



**ACADEMIC YEAR
2023-2024**

**ADD ON / CERTIFICATE
PROGRAMS**



ACADEMIC YEAR 2023-2024

1.2.2.1 NUMBER OF ADDON / CERTIFICATE PROGRAMS OFFERED

S. No	Department	No.of Courses
1	B.E – Civil Engineering	13
2	B.E – Computer Science and Engineering	09
3	B.E – Electronics and Communication Engineering	14
4	B.E – Electrical and Electronics Engineering	15
5	B.E – Mechanical Engineering	11
6	Science & Humanities	01
7	Training & Placement	03
TOTAL		66

K. Abhirami
14/8/24

IQAC Coordinator

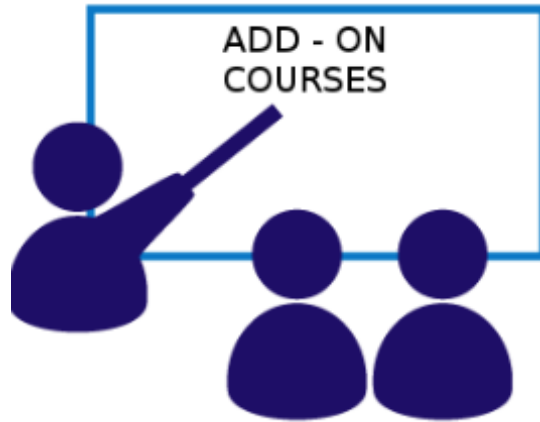
Dr. K. Abhirami
IQAC Coordinator
Kings College of Engineering
(Autonomous)
Punalkulam - 613 303

J. Muthu
14/8/24

Principal

Principal
Kings College of Engineering
(Autonomous)
Punalkulam - 613 303

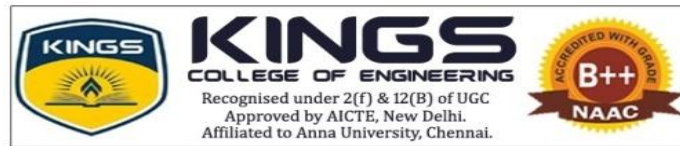
ACADEMIC YEAR 2023-2024



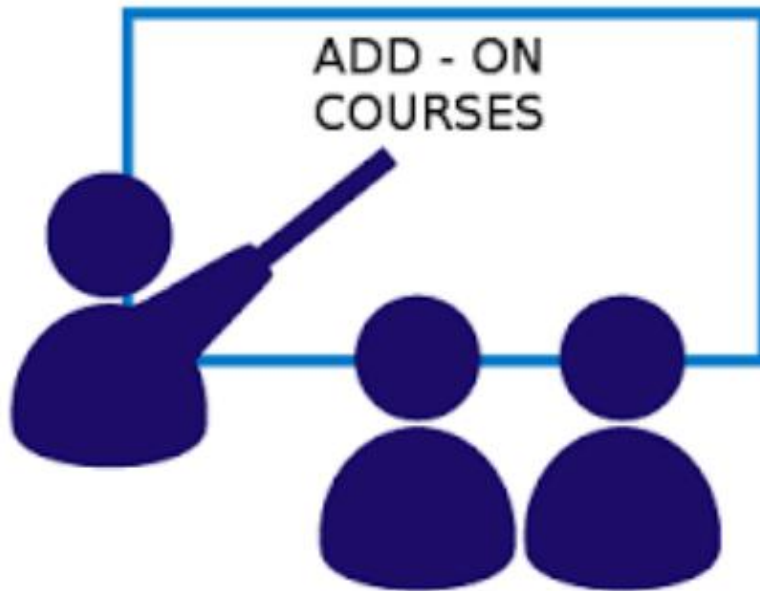
S. No	Department	Page No.
1	B.E – Civil Engineering	04-50
2	B.E – Computer Science and Engineering	51-241
3	B.E – Electronics and Communication Engineering	242-357
4	B.E – Electrical and Electronics Engineering	358-438
5	B.E – Mechanical Engineering	439-493
6	Science & Humanities	494-512
7	Training & Placement	513-586

DEPARTMENT OF CIVIL ENGINEERING

**ACADEMIC YEAR
2023-2024**



DEPARTMENT OF CIVIL ENGINEERING



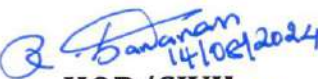
DEPARTMENT OF CIVIL ENGINEERING
ADD ON PROGRAMS / CERTIFICATE COURSES DURING THE ACADEMIC YEAR
ACADEMIC YEAR 2023-2024

S.No	COURSE TITLE	NO. OF HOURS HANDLED	NO.OF STUDENTS ATTENDED
1.	Certificate Course on "AutoCADD" - II Yr	30hrs	21
2.	Certificate course on "Sketchup" - IV Yr	30hrs	20
3.	Refresher Course on Units & Measurements -II yr	30hrs	15
4.	Refresher Course on Advance Construction Techniques -IV yr	30hrs	20
5.	Refresher Course on Drafting using Autocadd -II yr	30hrs	15
6.	Refresher Course on "Quantity Surveying" - III Yr	30hrs	21
7.	My Credit course on STADD PRO - IV yr	30hrs	20
8.	MHRD sponsored IIT Bombay certification course on "QCAD"- II Yr	30hrs	21
9.	MHRD sponsored IIT Bombay certification course on "INKSCAPE"- III Yr	30hrs	15
10.	MHRD sponsored IIT Bombay certification course on "LATEX"- IV Yr	30hrs	20
11.	MHRD sponsored IIT Bombay certification course on "GIMP"- II Yr	30hrs	21
12.	MHRD sponsored IIT Bombay certification course on "BLENDER"- III Yr	30hrs	15
13.	MHRD sponsored IIT Bombay certification course on "C and C++"- IV Yr	30hrs	20

Total No. of Courses organized: 13

No. of students attended : 244


FACULTY INCHARGE


HOD/CIVIL
Dr. R. Saravanan
HOD - Civil
Kings College of Engineering
(Autonomous)
Punalkulam - 613 303


PRINCIPAL
Principal
Kings College of Engineering
(Autonomous)
Punalkulam - 613 303

CERTIFICATE COURSE





DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2023-24(ODD)

Date: 27.07.2023

CIRCULAR

This is to inform, that our department is going to conduct a **CERTIFICATE COURSE** on "AUTOCAD" in this academic year 2023-2024, Second year students are requested to enroll their name to Mrs.A.SUGANYA, AP/CIVIL on or before **05.08.2023**.

A. Suganya
27/7/23
COORDINATOR
(Mrs.A.SUGANYA, AP/CIVIL)

R. Saravanan
27/07/23
HOD/CIVIL
(DR.R.SARAVANAN)

DEPARTMENT OF CIVIL ENGINEERING
ACADEMIC YEAR 2023 - 2024 ODD SEMESTER

CERTIFIED COURSE REPORT

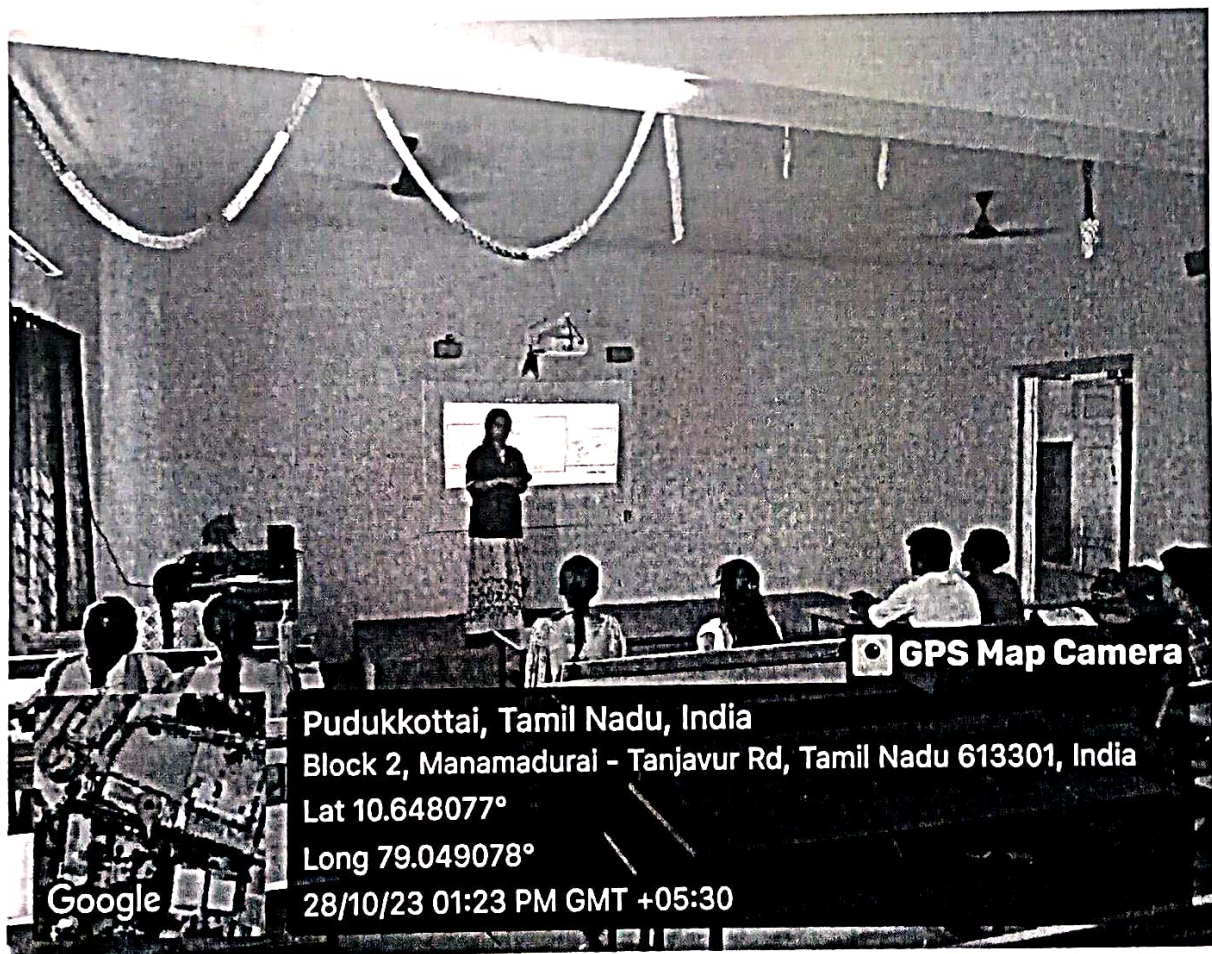
The Department of Civil Engineering organized a certified Course for III Year students on 05.09.2023 to 20.11.23.

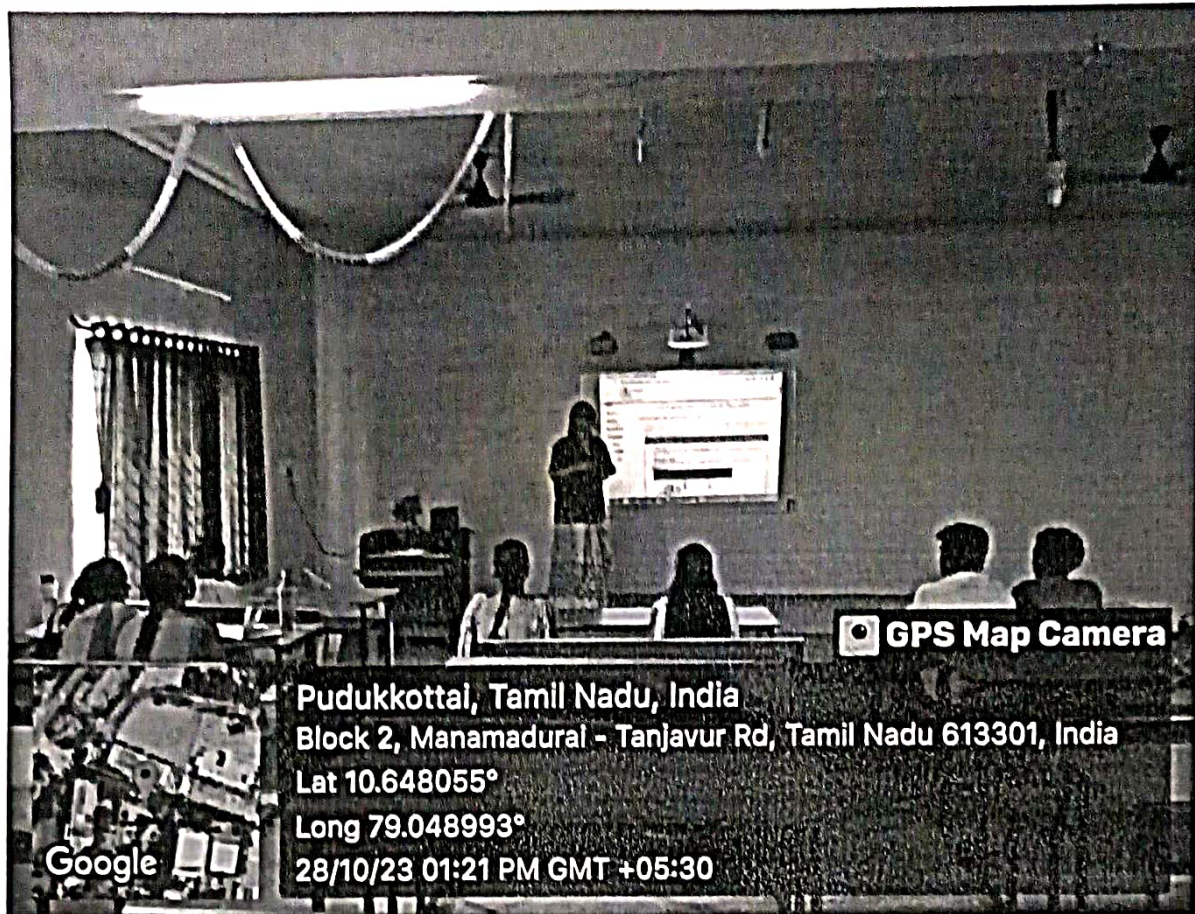
OBJECTIVE

The objective of the course is to draw and edit digital 2D and 3D designs more quickly and easily than you could by hand. To know the concept of 2D & 3D elevation and interior design concepts for the III year students.

SESSION DETAILS

Mrs. A. SUGANYA, AP/CIVIL, handled the session for III year students. She explained about the AUTO CAD. She described the various plan and elevation design concepts.





III YEAR

OUTCOME OF THE COURSE

At the end of session, the students would be able to,

1. Analyse technical drawings using both CAD and basic manual tools.
2. Create mechanical parts for different applications.
3. Apply the stages of the design process from scratch using engineering graphics techniques such as sectional projections, dimensioning and computer-generated drawings (2D)

ASuganyas
22/11/23
PREPARED BY

Q. Swaram
22/11/2023
HOD/CIVIL



DEPARTMENT OF CIVIL ENGINEERING

CERTIFIED COURSE

ON AUTO CADD

YEAR/SEMESTER: III/V

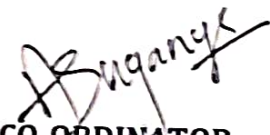
ACADEMIC YEAR: 2023-2024(ODD SEM)

PREPARED BY

Ms.A.SUGANYA, AP/ CIVIL

UNIT I	INTRODUCTION TO AUTOCAD	6
Initial setup in autocad – UCS setting – limits – unit setup for imperial and metric units – overview of ribbon icon – command line – using help autocad – drawing tools – modification tools – dimension setting for different units.		
UNIT II	PLANNING OF 2D FOR RESIDENTIAL BUILDING	6
Creation of plan – standards for creating plan view – door window placing in plan view – text placing single multi-text and symbol – area calculation.		
UNIT III	PLANNING OF 2D FOR RESIDENTIAL BUILDING	6
Standard size for riser and tread – straight stair staircase – dog-legged – spiral staircase – array for stair creation – block and grouping staircase.		
UNIT IV	CREATION OF ELEVATION AND SECTION	6
Projection plan view to elevation – construction line generation – different levels in elevation – section line – cross-section projection of 2d plan – levels in section – leader and multi-leader for annotation.		
UNIT V	SITE PLAN CREATION AND SHEET SETUP	6
Generating site plan using document – different scales – sheet setup for A0, A1, A2, A3 & A4 – Legend setup and notes – page setup for printing and pdf exporting.		

TOTAL : 30 PERIODS


CO-ORDINATOR
(Mrs. A. SUGANYA, AP/CIVIL)


HOD/CIVIL
(DR. R. SARAVANAN)

DEPARTMENT OF CIVIL ENGINEERING

Sub. Name: Auto Cadd

Staff Name: Mrs.A.Suganya

Branch/Year/Sem: B.E CIVIL/III/VI

Batch : 2021-2025

Academic Year : 2023-2024(ODD)

Topic No	Topic	Teaching Methodology	No. of Hours Required	Cumulative No. of periods
UNIT I INTRODUCTION TO AUTOCAD				(06)
1.	Initial setup in autocad – UCS setting – limits	BB/PPT	1	1
2.	Unit setup for imperial and metric units	BB/PPT	2	3
3.	Command line – using help autocad	BB/PPT	1	4
4.	Drawing tools – modification tools	BB/PPT	1	5
5.	Dimension setting for different units.	BB/PPT	1	6
LEARNING OUTCOME At the end of unit, students should be able to • Understand the concept of AUTO CADD. • Learn the commands.				
UNIT II PLANNING OF 2D FOR RESIDENTIAL BUILDING				(06)
6.	Creation of plan	BB/PPT	1	7
7.	Standards for creating plan view	BB/PPT	1	8
8.	Door window placing in plain view	BB/PPT	2	10
9.	Placing single multi-text and symbol	BB/PPT	1	11
10.	Area calculation	BB/PPT	1	12
LEARNING OUTCOME At the end of unit, students should be able to • Understand about the 2D plan creation. • Know about standard sizes of doors and windows. • Learn the area calculation.				
UNIT III PLANNING OF 2D FOR RESIDENTIAL BUILDING				(06)
11.	Standard size for riser and tread	BB/PPT	1	13
12.	Straight stair staircase	BB/PPT	2	15
13.	Dog-legged	BB/PPT	2	16
14.	Spiral staircase	BB/PPT	1	17

15.	Array for stair creation – block and grouping staircase	BB/PPT	1	18
LEARNING OUTCOME At the end of unit, students should be able to • Memorize the staircase specification. • Known the standard size for riser and tread.				
UNIT IV CREATION OF ELEVATION AND SECTION				(06)
16.	Projection plan view to elevation.	VIDEO	1	19
17.	construction line generation – different levels in elevation	VIDEO	1	20
18.	section line – cross-section projection of 2d plan	BB/PPT	2	22
19.	levels in section	BB/PPT	1	23
20.	leader and multi-leader for annotation	BB/PPT	1	24
LEARNING OUTCOME At the end of unit, students should be able to • Outline about cross section details. • Know the leader and multi leader for annotation.				
UNIT V SITE PLAN CREATION AND SHEET SETUP				(06)
17.	Generating site plan using document.	VIDEO	1	25
18.	Different scales	BB/PPT	1	26
19.	Sheet setup for A0, A1, A2, A3 & A4	BB/PPT	1	27
20.	Legend setup and notes	VIDEO	1	28
21.	page setup for printing and pdf exporting	VIDEO	2	30
LEARNING OUTCOME At the end of unit, students should be able to • Outline the concepts of site layout. • Know the page set up.				

COURSE OUTCOME

At the end of syllabus, students will be able to

1. Analyse technical drawings using both CAD and basic manual tools.
2. Create mechanical parts for different applications.
3. Apply the stages of the design process from scratch using engineering graphics techniques such as sectional projections, dimensioning and computer-generated drawings (2D).

Prepared by

Mrs. A. SUGANYA

Verified by

HOD/CIVIL



DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2023-24 (ODD)

Date: 27.07.2023

CIRCULAR

This is to inform, that our department is going to conduct a **CERTIFICATE COURSE** on "SKETCH-UP" in this academic year 2023-2024, Final year students are requested to enroll their name to Ms.P.KAVIMUHIL, AP/CIVIL on or before **05.08.2023**.

P. Kavimuhil
CO ORDINATOR
(Ms.P.KAVIMUHIL, AP/CIVIL)

R. Saravanan
HOD/CIVIL
(Dr.R.SARAVANAN)



DEPARTMENT OF CIVIL ENGINEERING
ACADEMIC YEAR 2023 – 2024 ODD SEMESTER

CERTIFIED COURSE ON SKETCH UP 3D

SYLLABUS

UNIT I INTRODUCTION TO SKETCHUP 3D 6

Initial setup in sketch up – unit setup for imperial and metric units – overview of 3d – modeling and modify tools – dimension setting for different units – using help sketch up.

UNIT II CREATION OF 3D AND COMPONENTS FOR RESIDENTIAL BUILDING 6

Creation of plan in 2d – generating 3d model from 2d plan –placing door, windows in plan view – 3d text – placing components using ware house export and importing.

UNIT III CREATION OF STAIRCASE RAILING RAMP 6

Standard size for riser and tread – straight stair staircase – dog-legged – spiral staircase – railing creation for stair and separate rail design – sloped ramp and circular ramp.

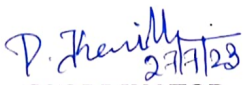
UNIT IV CREATION OF FLOOR AND ROOF 6

Floor creation – material choosing for floors – generating sloped roof , pitched roof, curved roof- roof tiles and material modification – elevation design concepts.

UNIT V INTERIOR DESIGN CONCEPTS AND RENDERING 6

Selection of materials – material editing and custom wall texture editing – lighting setup and intensity adjustments – different rendering engines used for rendering (Vray, Enscape, Artlantis Studio,Lumion etc) – rendering setup and rendering.

TOTAL : 30 PERIODS


COORDINATOR
(Ms.P.KAVIMUHIL, AP/CIVIL)


HOD/CIVIL
(DR.R.SARAVANAN)

DEPARTMENT OF CIVIL ENGINEERING
ACADEMIC YEAR 2023 – 2024 ODD SEMESTER
CERTIFIED COURSE REPORT

The Department of Civil Engineering organized a certified Course for IV Year students from 05.09.2023 to 20.11.2023.

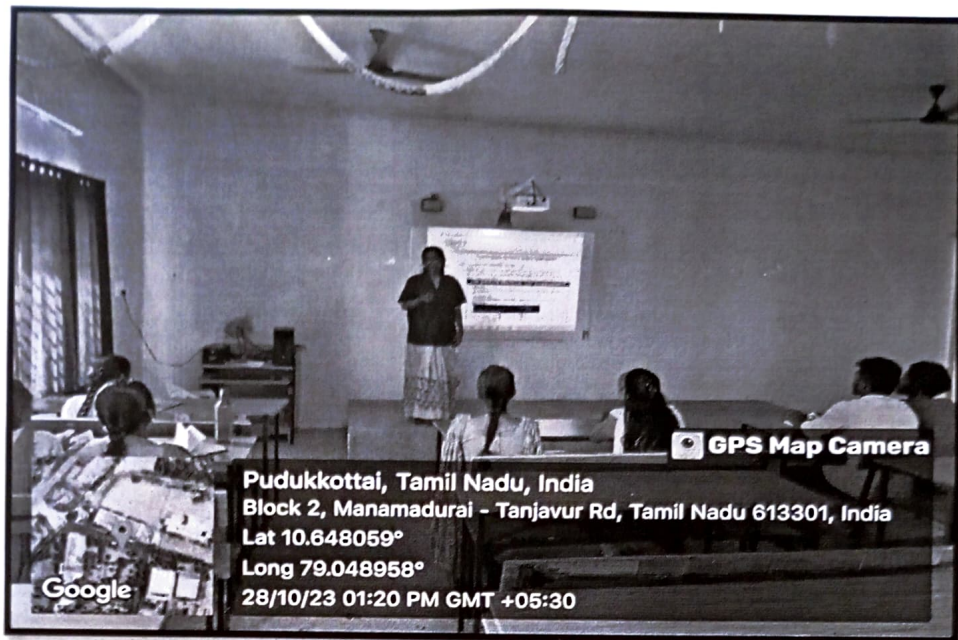
OBJECTIVE

The objective of the 3D SketchUp Certificate Course is to provide students with comprehensive knowledge and hands-on skills in utilizing SketchUp, a leading 3D modeling software. The course aims to equip learners with the ability to design, model, and visualize architectural, interior, and product designs in 3D. Upon completion, students will be proficient in creating accurate and detailed 3D models, using advanced features, plugins, and rendering tools, while developing the technical expertise required for professional application in industries such as architecture, construction, urban planning, and product design. The course also focuses on enhancing creativity, improving problem-solving abilities, and preparing students for real-world projects and career opportunities.

SESSION DETAILS

Ms.P.KAVIMUHIL, AP/CIVIL, handled the session for IV year students. She explained about the Sketchup 3d. She described the various elevation and interior design concepts.





IV YEAR

OUTCOME OF THE COURSE

At the end of session, the students would be able to,

- Understand the concepts in 3d modelling
- To know the concept of 3d elevation.
- Understand the various concept in interior design.
- To know the concept of lighting in interior design
- To know the about rendering in sketchup

P. Mani
22/11/23
PREPARED BY

Q. Subramaniam
22/11/23
HOD/CIVIL

REFRESHER COURSE





DEPARTMENT OF CIVIL ENGINEERING

REFRESHER COURSE

ON

UNITS AND MEASUREMENTS

YEAR/SEMESTER: II/III

ACADEMIC YEAR: 2023-2024 (ODD SEM)

PREPARED BY

Mr. R. RAMCHANDAR, AP /CIVIL



DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2023-24 (ODD)

Date: 20.09.2023

CIRCULAR

This is to inform to all second year civil students, that our department is going to conduct a **REFRESHER COURSE on UNITS AND MEASUREMENTS** during this academic year 2023-2024, all Second year students are requested to enroll their name to **Mr. R. RAMCHANDAR AP/CIVIL** on or before **22.09.2023**.

Ramchandrar
20/09/23
COURSE IN CHARGE
(Mr. R. RAMCHANDAR)

Dr. R. Saravanan
20/09/2023
HOD/CIVIL
(Dr. R. SARAVANAN)

UNITS AND MEASUREMENTS

SYLLABUS

OBJECTIVES:

- To introduce the fundamentals of units.
- To know about the basic measurements.
- To know about the imperial units.

UNIT I - FUNDAMENTALS OF UNITS**6**

Introduction - Systems of units - Traditional systems - Metric systems - Natural systems

UNIT II - TYPES OF UNITS**6**

Metric System of units - The imperial system of units - US customary unit Basic standard quantity.

UNIT III - UNIT OF MEASUREMENT LIST**6**

Length - Mass - capacity- Time - Temperature - Conversion of the units of measurement

UNIT IV - LENGTH, MASS & VOLUME**6**

Imperial Units of Measurement - Units of Measurement for Length -Units of Measurement for Mass - Units of Measurement for Volume

UNIT V - TEMPERATURE, TIME & CHART**6**

Units of Measurement for Temperature - Units of Measurement of Time - Units of Measurement Chart - Comparison of metric and imperial

TOTAL: 30 PERIODS**OUTCOMES:**

At the end of the course the student will be able to understand

- Understand types of units and fundamentals.
- Gain knowledge on system of units.
- Measuring using different system of units.
- Gain knowledge on units and measurements.
- The use of various units.

Ramchandar
22/09/23

STAFF IN CHARGE
(Mr. R. RAMCHANDAR)

R. Saravanan
22/09/2023

HOD/CIVIL
(Dr. R.SARAVANAN)



DEPARTMENT OF CIVIL ENGINEERING

Sub Name : UNITS AND MEASUREMENTS
Staff Name : Mr. R. RAMCHANDAR

Branch / Year / Sem : B.E Civil /II/03
Batch : 2022-2026
Academic Year : 2023-24 (ODD)

COURSE PLAN

Topic No.	Topic	Teaching Methodology	No. of Hours Required	Cumulative No. of periods
UNIT I FUNDAMENTALS OF UNITS (6)				
1	Introduction - Systems of units	BB	2	2
2	Traditional systems	PPT	2	4
3	Metric systems - Natural systems	BB	2	6
UNIT II TYPES OF UNITS (6)				
4	Metric System of units	BB	1	7
5	The imperial system of units	BB	2	9
6	US customary units	BB/PPT	2	11
7	Basic standard quantity.	BB	1	12
UNIT III UNIT OF MEASUREMENT LIST (6)				
8	Length	BB	1	13
9	Mass - capacity	BB	2	15
10	Time	BB/PPT	1	16
11	Temperature	BB	1	17
12	Conversion of the units of measurement	BB	1	18
UNIT IV LENGTH, MASS & VOLUME (6)				
13	Imperial Units of Measurement	BB/PPT	2	19
14	Units of Measurement for Length	BB	2	21
15	Units of Measurement for Mass	BB/PPT	1	22
16	Units of Measurement for Volume	BB	1	23
UNIT V TEMPERATURE, TIME & CHART (6)				
17	Units of Measurement for Temperature	BB/PPT	1	24
18	Units of Measurement of Time	BB	2	26
19	Units of Measurement Chart	BB/PPT	2	28
20	Comparison of metric and imperial	BB	2	30

COURSE OUTCOME:

At the end of the course the student will be able to understand

- Understand types of units and fundamentals.
- Gain knowledge on system of units
- Measuring using different system of units.
- Gain knowledge on units and measurements
- The use of various units.

Ramchandrar
22/09/23

Prepared by
(Mr.R.RAMCHANDAR)

R. Saravanan
22/09/2023

Verified By
HOD/CIVIL
(Dr. R. SARAVANAN)



DEPARTMENT OF CIVIL ENGINEERING
ACADEMIC YEAR 2023 - 2024 ODD SEMESTER
REFRESHER COURSE REPORT

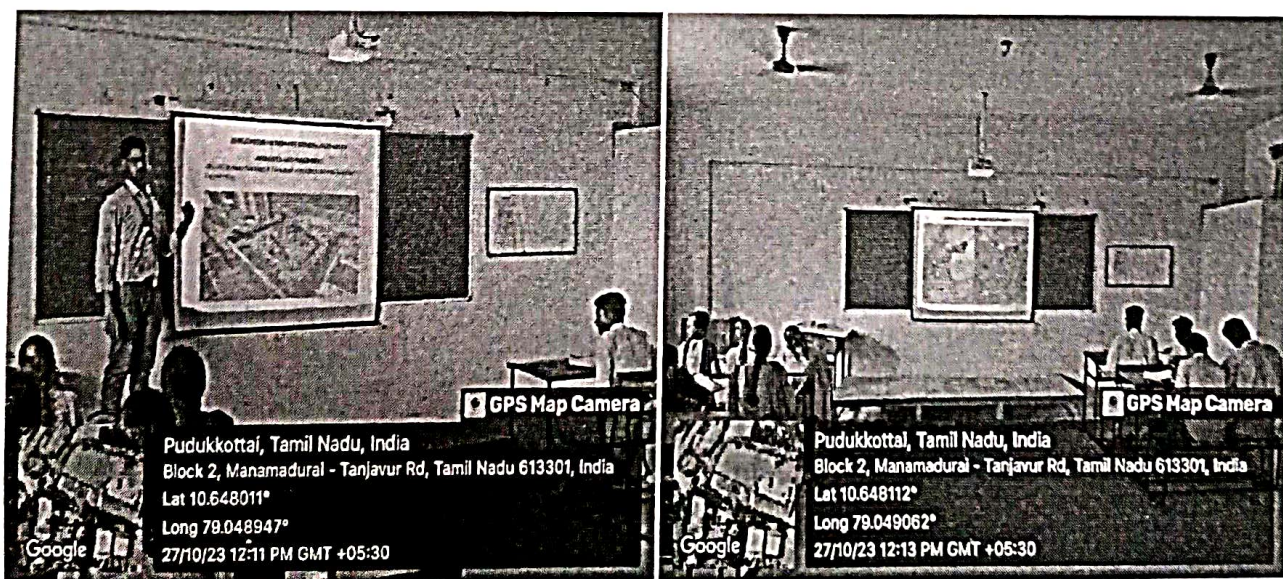
Our Department of Civil Engineering organized a Refresher Course on Units and Measurements for II Year students on 20.09.2023 to 04.01.2024.

OBJECTIVE

The main objective of the course is to refresh the students for understanding the basic units and its measurements that to be used in calculations and problems and in field measurements. To equip the student's basic knowledge, Units and Measurements was taken as a refresher course for the II year students.

SESSION DETAILS

Mr. R. RAMCHANDAR, AP/CIVIL, handled the session for II year students. He elaborated about the units and measurements and its utilisation and how it is taken in field measurements and how the units are to be converted.



II YEAR

OUTCOME OF THE COURSE

At the end of session, the students would be able to,

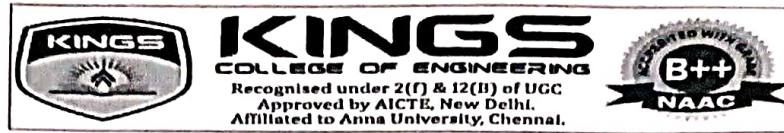
- ✚ Understand types of units and fundamentals.
- ✚ Gain knowledge on system of units
- ✚ Measuring using different system of units.
- ✚ Gain knowledge on units and measurements
- ✚ The use of various units.

Ramchandrar
22/09/23.

STAFF IN CHARGE
(Mr. R. RAMCHANDAR)

R. Saravanan
22/09/2023

HOD/CIVIL
(Dr. R.SARAVANAN)



DEPARTMENT OF CIVIL ENGINEERING

REFRESHER COURSE

ON ADVANCE CONSTRUCTION TECHNIQUES

YEAR/SEMESTER: IV/VII

ACADEMIC YEAR: 2023-2024(ODD SEM)

PREPARED BY

Mr.A.SAGAYA ALBERT, AP/ CIVIL

ADVANCED CONSTRUCTION TECHNIQUES

UNIT I SUB STRUCTURE CONSTRUCTION

6

Construction Methodology - Box jacking - Pipe jacking - Under water construction of diaphragm walls and basement - Tunnelling techniques - Piling techniques - Driving well and caisson - sinking cofferdam

UNIT II SUPER STRUCTURE CONSTRUCTION FOR BUILDINGS

6

Vacuum dewatering of concrete flooring - Concrete paving technology - Techniques of construction for continuous concreting operation in tall buildings of various shapes and varying

UNIT III CONSTRUCTION OF SPECIAL STRUCTURES

6

Erection of lattice towers - Rigging of transmission line structures - Construction sequence in cooling towers, Silos, chimney, sky scrapers - Bow string bridges, Cable stayed bridges - Launching and pushing of box decks - Construction of jetties and break water structures

UNIT IV REHABILITATION AND STRENGTHENING TECHNIQUES

6

retrofitting - Strengthening of beams - Strengthening of columns - Strengthening of slab - Strengthening of masonry wall, Protection methods of structures, Mud jacking grouting

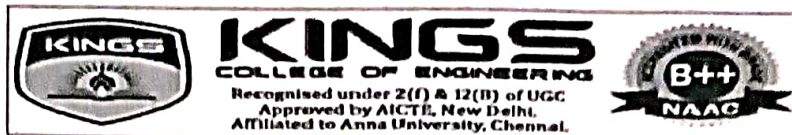
Seismic

UNIT V DEMOLITION

6

Demolition Techniques, Demolition by Machines, Demolition by Explosives, Advanced techniques using Robotic Machines, Demolition Sequence, Dismantling Techniques.

TOTAL : 30 PERIODS



DEPARTMENT OF CIVIL ENGINEERING

Branch / Year / Sem : B.E Civil / IV / VII
 Sub Name : Advanced Construction Techniques Batch : 2021-2025
 Staff Name : Mrs.A.SAGAYA ALBERT Academic Yea : 2023-2024(ODD)

Topic No	Topic	Books For Reference	Page No	Teaching Methodology	No of Hours Required	Cumulative No of Hours
UNIT I SUB STRUCTURE CONSTRUCTION						6
1	Construction Methodology - Box jacking - Pipe jacking			BB/PPT	1	1
2	Under water construction of diaphragm walls and basement			BB/PPT	1	2
3	Tunnelling techniques - Piling techniques			BB/PPT		3
4	Driving well and caisson – sinking cofferdam			L.VIDEO	1	4
5	cable anchoring and grouting - Driving diaphragm walls, Sheet piles			BB/PPT	1	5
6	Laying operations for built up offshore system			PPT	1	6
LEARNING OUTCOME At the end of unit, students should be able to - Learn the techniques of dewatering. - Understand the practical applications of grouting and under water construction.						
UNIT II SUPER STRUCTURE CONSTRUCTION FOR BUILDINGS						(6+1)
7	Vacuum dewatering of concrete flooring – Concrete paving technology			BB/PPT	1	7
8	Techniques of construction for continuous concreting operation in tall buildings of various shapes and varying sections			BB/PPT	1	8
9	Erection techniques of tall structures.			BB/PPT	1	9
10	Large span structures launching techniques for heavy decks			BB/PPT	1	10
11	in-situ pre stressing in high rise structures, Post tensioning of slab- aerial transporting			BB/PPT	1	11
12	Handling and erecting lightweight components on tall structures.			L.VIDEO	1	12
LEARNING OUTCOME At the end of unit, students should be able to Learning the handling and erection of light weight tall structures.						

UNIT III		CONSTRUCTION OF SPECIAL STRUCTURES			(6)
13	Erection of lattice towers - Rigging of transmission line structures	BB/PPT	1	13	
14	Construction sequence in cooling towers, Silos, chimney, sky scrapers	L.VIDEO	1	14	
15	Bow string bridges, Cable stayed bridges – Launching and pushing of box decks	BB/PPT	1	15	
16	Construction of jetties and break water structures – Construction sequence and methods in domes	PPT	1	16	
17	Support structure for heavy equipment and machinery in heavy industries	BB/PPT	1	17	
18	Erection of articulated structures and space decks.	BB/PPT	1	18	

LEARNING OUTCOME

At the end of unit, students should be able to

- Understand the construction sequences of sky scrapers, cooling tower and bow string bridge.
-

UNIT IV		REHABILITATIONAND STRENGTHENING TECHNIQUES			(6)
19	Seismic retrofitting - Strengthening of beams		BB/PPT	1	19
20	Strengthening of columns		BB/PPT	1	20
21	Strengthening of slab		BB/PPT	1	21
22	Mud jacking and grouting for foundation		BB/PPT	1	22
23	Micro piling and underpinning for strengthening floor and shallow profile		BB/PPT	1	23
24	Sub grade water proofing, Soil Stabilization techniques.		BB/PPT	1	24

LEARNING OUTCOME

At the end of unit, students should be able to

- Knowledge on Various strengthening and repair methods for different cases.

UNIT V		DEMOLITION			(6)
25	Demolition Techniques, Demolition by Machines	BB/PPT	1	25	
26	Demolition by Explosives, Advanced techniques using Robotic Machines	L.VIDEO	1	26	
27	Demolition Sequence	BB/PPT	1	27	
28	Dismantling Techniques		1	28	
29	Safety precaution in Demolition and Dismantling.	NPTEL	2	30	

LEARNING OUTCOME

At the end of unit, students should be able to

- Learn the safety measures followed in construction field.

COURSE OUTCOME

On completion of the course, the student is expected to be able to

- C01** Understand the modern construction techniques used in the sub structure construction.
- C02** Demonstrate knowledge and understanding of the principles and concepts relevant to superstructure construction for buildings.
- C03** Understand the concepts used in the construction of special structures.
- C04** Knowledge on Various strengthening and repair methods for different cases.
- C05** Identify the suitable demolition technique for demolishing a building.

Sagaya Albert
Prepared by 25/07/23

Mr.A.SAGAYA ALBERT

R. Saranam
25/07/2023
Verified by
HOD/CIVIL



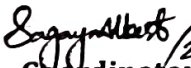
DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2023-24 (ODD)

Date: 27.07.2023

CIRCULAR

This is to inform, that our department is going to conduct a **REFRESHER COURSE on ADVANCE CONSTRUCTION TECHNIQUES** on this academic year 2023-2024, Final year students are requested to enroll their name to Ms.A.SAGAYA ALBERT AP/CIVIL on or before **27.07.2023**.


Coordinator
(Mr.A.SAGAYA ALBERT AP/CIVIL)


HOD/CIVIL
(DR.R.SARAVANAN)

DEPARTMENT OF CIVIL ENGINEERING
ACADEMIC YEAR 2023 – 2024 ODD SEMESTER

REFRESHER COURSE REPORT

The Department of Civil Engineering organized a Refresher Course for IV Year students on 27.08.2023 to 20.12.23.

OBJECTIVE

The objective of the course is to refresh the students for understanding and their knowledge. To equip the student's knowledge, Basics in surveying was taken as a refresher course for the III year students.

SESSION DETAILS

Mr. SAGAYA ALBERT AP/CIVIL, handled the session for IV year students. He elaborated about the fluid properties. He described the various types of fluid properties and its important.



IV YEAR

OUTCOME OF THE COURSE

At the end of session, the students would be able to,

- Understand the modern construction techniques used in the sub structure construction.
- Demonstrate knowledge and understanding of the principles and concepts relevant to superstructure construction for buildings.
- Understand the concepts used in the construction of special structures.
- Knowledge on Various strengthening and repair methods for different cases.
- Identify the suitable demolition technique for demolishing a building.

Sayyad Albert
20/11/23
PREPARED BY

B. Sankaran
20/11/2023
HOD/CIVIL



DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2023-24 (EVEN)

Date: 13.03.2024

CIRCULAR

This is to inform to all second year civil students, that our department is going to conduct a **REFRESHER COURSE on DRAFTING USING AUTOCAD** during this academic year 2023-2024, all Second year students are requested to enroll their name to **Mrs.K.KANIMOZHI AP/CIVIL** on or before **15.03.2024**.

K. Kanimozhi
13/3/2024.
COURSE IN CHARGE
(Mrs.K.KANIMOZHI)

Dr. R. Saravanan
13/03/2024.
HOD/CIVIL
(Dr. R. SARAVANAN)



DEPARTMENT OF CIVIL ENGINEERING

REFRESHER COURSE

ON

DRAFTING USING AUTOCAD

YEAR/SEMESTER: II/IV

ACADEMIC YEAR: 2023-2024 (EVEN SEM)

PREPARED BY

Mrs.K.KANIMOZHI, AP /CIVIL



DEPARTMENT OF CIVIL ENGINEERING

Sub Name : DRAFTING USING AUTOCAD
Staff Name : Mrs.K.KANIMOZHI

Branch / Year / Sem : B.E Civil /II/IV
Batch : 2022-2026
Academic Year : 2023-24(Even)

COURSE PLAN

Topic No.	Topic	Teaching Methodology	No. of Hours Required	Cumulative No. of periods
UNIT I INTRODUCTION OF AUTOCAD				(6)
1	Introduction	BB	2	2
2	Understanding the application of 4 different AutoCAD	PPT	1	3
3	Learning about the user interface of AutoCAD	BB	2	5
4	basic drawing tools	PPT	1	6
UNIT II DRAW COMMANDS AND CARTESIAN COORDINATES				(6)
5	Concept of toolbar,	BB	1	7
6	line command, polyline command, and circle command	BB	2	9
7	concept of other commands	BB/PPT	1	10
8	Methods of developing title block	BB	1	11
9	Development of plans and elevations	BB	1	12
UNIT III ISOMETRIC DRAWINGS				(6)
10	Isograft mode in AutoCAD	BB	2	14
11	isometric in AutoCAD	BB	2	16
12	isometric drafting for piping	BB/PPT	2	18
UNIT IV 2D FUNDAMENTALS				(6)
13	Construction on commands	BB/PPT	2	20
14	Point commands	BB	1	21
15	Ray commands	BB/PPT	1	22
16	XLINE commands	BB	2	24
UNIT V ELECTRICAL DRAWINGS AND ELEVATIONS				(6)
17	Schematic diagrams	BB/PPT	1	24
18	wiring diagrams	BB	2	26
19	block diagrams and pictorial diagrams	BB/PPT	2	28
20	concept of elevation	BB	2	30



DEPARTMENT OF CIVIL ENGINEERING
ACADEMIC YEAR 2023 - 2024 EVEN SEMESTER
REFRESHER COURSE REPORT

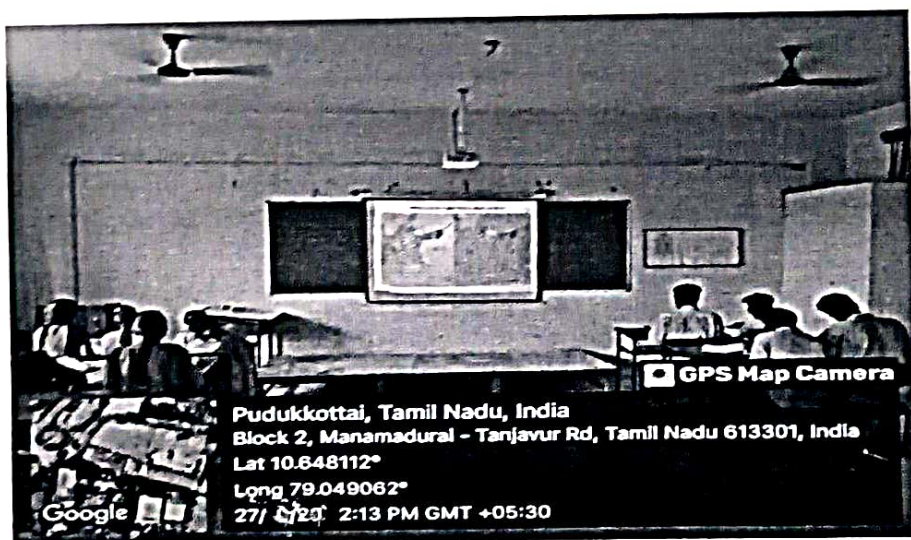
Our Department of Civil Engineering organized a Refresher Course on DRAFTING USING AUTOCAD for II Year students on 16.03.2024 to 15.6.2024

OBJECTIVE

The main objective of the course is to refresh the students for understanding the To introduce AUTOCAD and its uses to draw and edit digital 2D and 3D designs more quickly To learn the isometric view of any structures. To equip the student's basic knowledge, drafting using autocad was taken as a refresher course for the II year student.

SESSION DETAILS

Mrs.K.KANIMOZHI, AP/CIVIL, handled the session for II year students. she elaborated about the software autocad and its utilisation and how it is used in the construction. And also the basic commands and advanced commands which have been used to draw the plan elevation and section of a building.

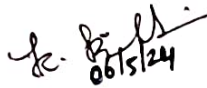


II YEAR

OUTCOME OF THE COURSE

At the end of session, the students would be able to,

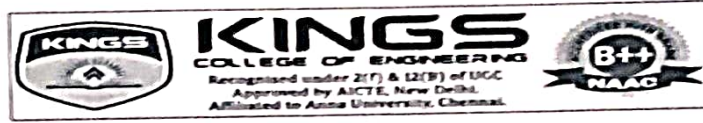
- Basic drawing tools and commands
- 2D and 3D design
- Isometric view of any object
- Electrical wiring diagrams and its concepts


06/05/24

FACULTY IN CHARGE
(Mrs.K.KANIMOZHI)


06/05/2024

HOD/CIVIL
(Dr. R.SARAVANAN)

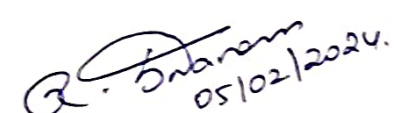


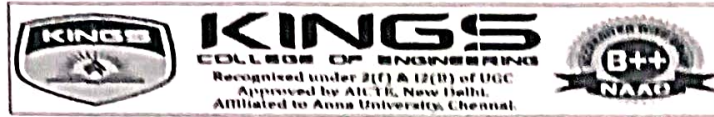
DEPARTMENT OF CIVIL ENGINEERING
ACADEMIC YEAR 2023-24 (EVEN SEMESTER)

CIRCULAR

This is to inform that, our department is going to conduct a **REFRESHER COURSE** on **QUANTITY SURVEYING** during this academic year 2023-2024 (Even Semester). Third year students are requested to enroll their name to Mr.K.Arun AP/CIVIL on or before **08.02.2024**


Coordinator
(Mr. ARUN.K AP/CIVIL)


HOD/CIVIL
(Dr.R.SARAVANAN)



DEPARTMENT OF CIVIL ENGINEERING

REFRESHER COURSE
ON QUANTITY SURVEYING

YEAR/SEMESTER: III/VI

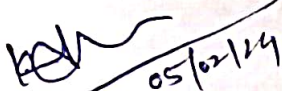
ACADEMIC YEAR: 2023-2024 (EVEN SEM)

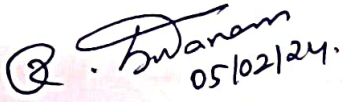
PREPARED BY
Mr.K.ARUN, AP/ CIVIL

QUANTITY SURVEYING

- UNIT - I INTRODUCTION, UNIT OF MEASUREMENTS AND SPECIFICATION 6**
 Quantity surveying - Definition of estimate - Need for estimation - Types of estimates - Approximate estimate - Detailed estimate - Abstract estimate - Duties of Quantity Surveyor - Elements of a structure - Item of Work - Materials of construction.
- UNIT II REINFORCEMENT BAR BENDING 6**
 Reinforcement bar bending and bar requirement schedules - Contracts - Types of contracts - Contract documents - Conditions of contract.
- UNIT III ANALYSIS OF RATES AND ABSTRACT ESTIMATE 6**
 Analysis of Rates-Definition and Purpose - Standard Data Book, SSR, Standard data sheet - Cost of materials at source and at site - Standard Schedule of Rates of different materials in buildings works - Types of labour - Wages as per S S R - Lead and Lift.
- UNIT IV EARTH WORK CALCULATIONS 6**
 Lead and Lift - Initial and subsequent values-Standard values - Mid- sectional Area Method - Mean Sectional Area Method - Trapezoidal Rule -Prismoidal Rule for computing volumes in level sections for roads and Canals and their limitations.
- UNIT V VALUATION 6**
 Definitions - Various types of valuations - Valuation methods - Necessity - Capitalised value - Depreciation - Escalation - Valuation of land - Buildings - Calculation of Standard rent - Mortgage - Lease

TOTAL: 30 PERIODS


STAFF INCHARGE
Mr.KARUN


HOD/CIVIL
Dr.R.SARAVANAN



DEPARTMENT OF CIVIL ENGINEERING

Sub. Name: Quantity surveying

Staff Name: Mr.K.ARUN

Branch/Year/Sem: B.E CIVIL/III/VI

Batch : 2021-2025

Academic Year: 2023-2024(EVEN)

Topic No	Topic	Teaching Methodology	No. of Hours Required	Cumulative No. of periods
UNIT I INTRODUCTION, UNIT OF MEASUREMENTS AND SPECIFICATION				(06)
1.	Quantity surveying – Definition of estimate – Need for estimation	BB/PPT	1	1
2.	Types of estimates -Approximate estimate – Detailed estimate	BB/PPT	2	3
3.	Abstract estimate – Duties of Quantity Surveyor	BB/PPT	1	4
4.	Elements of a structure	BB/PPT	1	5
5.	Item of Work – Materials of construction.	BB/PPT	1	6
LEARNING OUTCOME At the end of unit, students should be able to - Understand the concept of Estimate. - Estimate the residential building.				
UNIT II REINFORCEMENT BAR BENDING				(06)
6.	Reinforcement bar bending	BB/PPT	1	7
7.	Bar requirement schedules	BB/PPT	1	8
8.	Contracts – Types of contracts	BB/PPT	2	10
9.	Contract documents	BB/PPT	1	11
10.	Conditions of contract.	BB/PPT	1	12
LEARNING OUTCOME At the end of unit, students should be able to - Understand about the data collection. - Know about schedule of rates. - Analysis about rate analysis				
UNIT III ANALYSIS OF RATES AND ABSTRACT ESTIMATE				(06)
11.	Analysis of Rates-Definition and Purpose	BB/PPT	1	13
12.	Standard Data Book, SSR, Standard data sheet	BB/PPT	2	15
13.	Cost of materials at source and at site	BB/PPT	2	16
14.	Standard Schedule of Rates of different materials in buildings works	BB/PPT	1	17

15.	Types of labour – Wages as per S S R - Lead and Lift.	BB/PPT	1	18
LEARNING OUTCOME At the end of unit, students should be able to - Outline the concept report preparation. - Understand about specification.				
UNIT IV EARTH WORK CALCULATIONS				(06)
16.	Lead and Lift – Initial and subsequent values	VIDEO	1	19
17.	Standard values - Mid- sectional Area Method	VIDEO	1	20
18.	Mean Sectional Area Method – Trapezoidal Rule	BB/PPT	2	22
19.	Prismoidal Rule for computing volumes in level sections for roads	BB/PPT	1	23
20.	Canals and their limitations.	BB/PPT	1	24
LEARNING OUTCOME At the end of unit, students should be able to - Outline about contract system. - Know the types of contract system.				
UNIT V VALUATION				(06)
17.	Definitions – Various types of valuations	VIDEO	1	25
18.	Valuation methods – Necessity	BB/PPT	1	26
19.	Capitalised value -Depreciation	BB/PPT	1	27
20.	Escalation – Valuation of land – Buildings	VIDEO	1	28
21.	Calculation of Standard rent -Mortgage – Lease	VIDEO	2	30
LEARNING OUTCOME At the end of unit, students should be able to - Outline the concepts of valuation. - Know the methods of valuation. - Understand the terminology in valuation. - Prepare the value of buildings and other structures.				

COURSE OUTCOME

At the end of syllabus, students will be able to

1. Identify different items of works and their units and specifications.
2. Design bar bending schedule for reinforcement works, Identify specifications and tendering process for contracts and create various tender documents for bidding purpose.CO Prepare data sheets for different items of works and abstract estimate.
3. Prepare leads statement, and determine the quantity of earth work by various methods.
4. Evaluate valuation for building and land.

Prepared by

Mr.K.ARUN, AP/CIVIL

Verified by

HOD/CIVIL

DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2023-24 (EVEN SEMESTER)

REPORT - REFRESHER COURSE ON "QUANTITY SURVEYING"

The Department of Civil Engineering organized a Refresher Course for III Year students during the even semester 2023-2024.

OBJECTIVE

The objective of a refresher course in quantity surveying is to update and enhance the knowledge and skills of professionals in the field of quantity surveying. To equip the student's knowledge, quantity surveying was taken as a refresher course for the III year students.

SESSION DETAILS

Mr.K.Arun, AP/CIVIL, handled the refresher course for III year students. He elaborated about the calculation of quantities, measurements and units. He described the various types of quantity surveying methods for calculating the quantity estimation.



REFRESHER COURSE ON " QUANTITY SURVEYING" FOR III YEAR CIVIL

OUTCOME OF THE COURSE

At the end of session, the students would be able to,

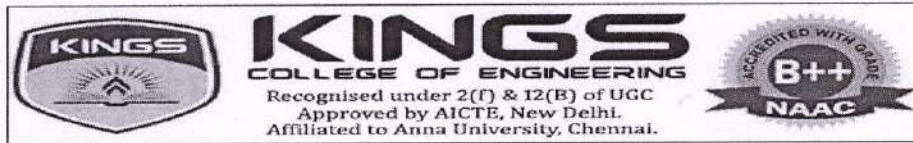
- Gain knowledge on technical proficiency in measurement and estimation.
- Learn about construction technology and materials.
- Know about the use of latest technology and software.
- Gain project management skills.
- Learn financial management and cost control.


30/04/2024
PREPARED BY


30/04/2024
HOD/CIVIL

MY CREDIT COURSE





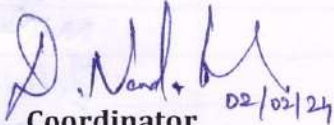
DEPARTMENT OF CIVIL ENGINEERING

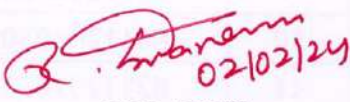
ACADEMIC YEAR 2023-24 (EVEN)

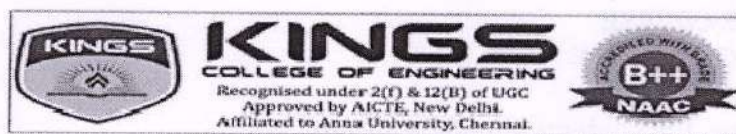
Date: 02.02.2024

CIRCULAR

This is to inform, that our department is going to conduct a **MY CREDIT COURSE on STADD PRO** on this academic year 2023-2024, Final year students are requested to enroll their name to Mr.D.NANDAKUMAR, AP/CIVIL on or before **05.02.2024**.


Coordinator 02/02/24
(Mr. D.NANDAKUMAR, AP/CIVIL)


HOD/CIVIL 02/02/24
(DR.R.SARAVANAN)



DEPARTMENT OF CIVIL ENGINEERING
ACADEMIC YEAR 2023 - 2024 ODD SEMESTER

MY CREDIT COURSE REPORT

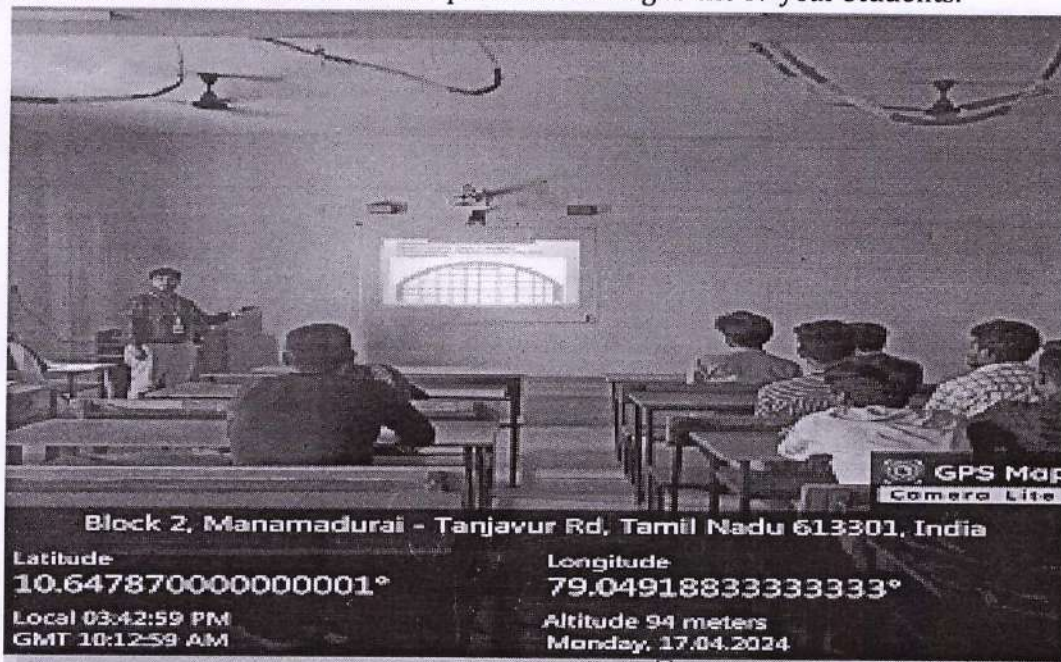
The Department of Civil Engineering organized a My Credit Course on STADD PRO for IV Year students on 01.02.2024 to 03.05.24.

OBJECTIVE

The objective of the course is to credit additional skills for the student's knowledge. To equip the student's Design and analysis skills by this my credit course.

SESSION DETAILS

Mr.D.NANDAKUMAR,AP/CIVIL, handled the session for IV year students. He elaborated about the Analysis of beams, frames through this software. He described about the importance of this software skills and provide training to the IV year students.



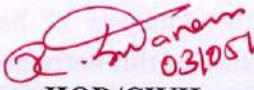
IV YEAR

OUTCOME OF THE COURSE

At the end of session, the students would be able to,

- Adopt for a faster technique of designing the various structures.
- Understand the Analyzing concepts and codal provisions used in the construction of special structures.
- Students are able to design and analysis the structures in different
- Knowledge on analyzing techniques of various structures at different zones.

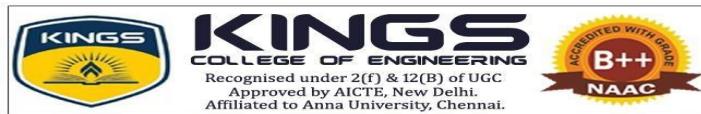

03/05/24
COURSE INCHARGE


03/05/24
HOD/CIVIL



DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

**ACADEMIC YEAR
2023-2024**

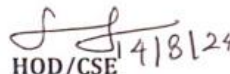


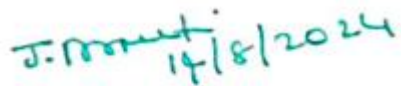
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2023-2024

List of Value Addition courses offered during the academic year 2023-2024

S.No	Course Title	Course Duration	No of Students Attended
1.	Add-on Course on C++ Programming	30 hrs	61
2.	Add-on Course on Multimedia design and development	30 hrs	66
3.	Add-on Course on Data Science	30 hrs	67
4.	Certification course on C++ and Java	30 Hrs	61
5.	Swayam course on Introduction to Industry 4.0 and Industrial IOT	08 Weeks	66
6.	Swayam course on Introduction to Machine Learning	12 Weeks	67
7.	Swayam course on Introduction to IOT	12 Weeks	61
8.	Swayam course on Data Analytics with Python	12 Weeks	66
9.	Swayam course on Data Science for Engineers	12 Weeks	67

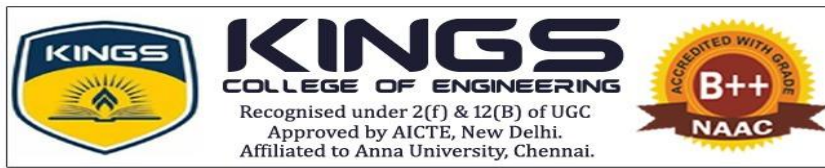

 HOD/CSE 4/8/24
 H.O.D of Computer Science & Engineering
 KINGS COLLEGE OF ENGINEERING
 - Punalkulam, Gandarvakottai (Tk),
 Pudukottai (Dt) - 613 303.


 14/8/2024
 PRINCIPAL
 Principal
 Kings College of Engineering
 (Autonomous)
 Punalkulam - 613 303

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR
2023 – 2024





DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR
2023 – 2024

Add-on courses



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Academic Year 2022-23 ODD SEMESTER

CIRCULAR

13.07.2023

As a part of curriculum enrichment, our department has planned to conduct a Add-on courses for **II, III, IV** year students. Enroll as per year respectively, the students can explore the knowledge through this courses. Kindly refer the course schedule.

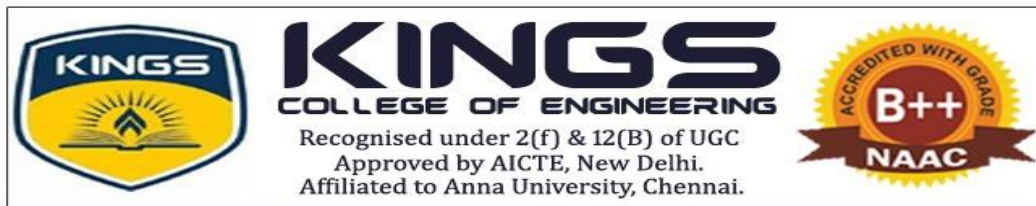
Course Details

Dept	Name of the course	Duration of the course	Faculty in-charge
II	"C++ Programming"	30 Hrs	Mrs.N.Dhamayandhi
III	"Multimedia Design and Development"	30 Hrs	Mrs.S.Puvaneshwari Mrs.R.Sugantha Lakshmi
IV	"Data Science"	30 Hrs	Dr.K.Abhirami Dr.S.Kannan

Note :

- To be circulated in II, III CSE Whatsapp group
- Copy to Notice board

K. Abirami
13/7/23
HOD/CSE



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

**ACADEMIC YEAR
2023 – 2024 ODD SEMESTER**

AC201- C++ Programming



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

AC201 :Programming in C++ (Value Added Course)

SEMESTER: III

COURSE PLAN (VAC)

PREPARED BY

Mrs.N.Dhamayandhi, AP/CSE

CS3391

Programming in C++

L T P C
3 0 0 3**UNIT – I FUNDAMENTAL CONCEPT OF OOPS 6**

Overview of OOP Object oriented programming paradigms- Java Buzzwords- Overview of Java - Data Types, Variables and Arrays – Operators – Programming Structures in Java -Defining classes in Java

UNIT -II FUNDAMENTAL OF C++**6**

Introduction to Programming - Conditional statements: if-else, switch-case - Loops: for, while, do-while - Break, continue statements- Input/Output -Standard input/output streams (cin, cout)– Functions.

UNIT -III FILE HANDLING AND FUNCTIONS**6**

File- types of file – file operations - File handling (reading from and writing to files) – exception handling in files – functions : Function declaration and definition-Function parameters and arguments- Recursion.

Unit – IV Inheritance and Polymorphism**6**

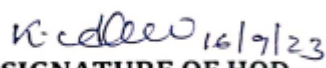
Inheritance - Types of inheritance - Base class and derived class – Polymorphism - Method overloading, Method overriding - Virtual functions and abstract classes.

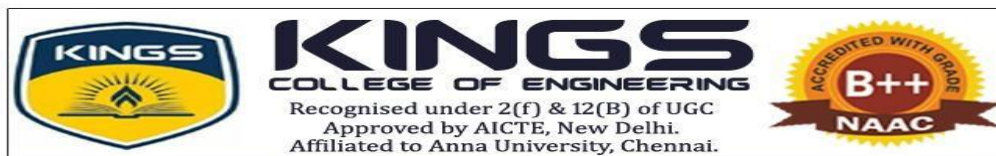
Unit – V**Data Structures in C++****6**

Arrays, Strings, Pointer – Structures - Union – I/O streams – searching – sorting

TOTAL: 30 PERIODS


SIGNATURE OF STAFF
(Mrs.N.Dhamyandhi,AP/CSE)


1 SIGNATURE OF HOD



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

COURSE PLAN

Sub. Code:AC201

Branch / Year / Sem : B.E(CSE) / II /III

Sub.Name:C++ Programming

Batch: 2022-2026

Staff Name:N.Dhamayandhi

Academic Year: 2023-2024 (ODD)

COURSE OBJECTIVE

- To understand Object Oriented Programming concepts and basics of Java programming language.
- To know the principles of packages, inheritance and interfaces.
- TO Understand the fundamentals of programming.
- To Learn basic programming concepts like variables, Data Types, operators, control flow (If-Else, Loops), and input/output.
- To gain proficiency in writing and debugging simple programs.

TEXT BOOKS

T1.Herbert Schildt, "Java: The Complete Reference", 11 th Edition, McGraw Hill Education, New Delhi, 2019.

T2. Herbert Schildt, "Introducing JavaFX 8 Programming", 1 st Edition, McGraw Hill Education, New Delhi, 2015.

REFERENCE BOOKS

R1.Cay S. Horstmann, "Core Java Fundamentals", Volume 1, 11 th Edition, Prentice Hall, 2018.

WEB RESOURCES

W1: <https://youtu.be/60iAXH1sm-Y>(**Topic No: 02**)

W2: <https://nptel.ac.in/courses/106105191>(**Topic No: 04**)

W3: <https://java-iitd.vlabs.ac.in/exp/encapsulation/theory.html>(**Topic No: 13**)

W4:<https://www.javatpoint.com/javafx-tutorial>.(**Topic No: 27**)

Topic No	Topic	Books for Reference	Page No.	Teaching Methodology	No. of Hours Required	Cumulative No. of periods
UNIT- I INTRODUCTION TO OOP AND JAVA6						
1.	Overview of OOP Object oriented programming paradigms	T1	15-10	BB/PPT	1	1
2.	Java Buzzwords- Overview of Java	T1	10-13 13-15	BB/PPT	1	2
3.	Data Types, Variables and Arrays	W2	NPTEL		1	3
4.	Operators	R1	56-65	BB/PPT	1	4
5.	Programming Structures in Java	T1	77-103	BB/PPT	1	5
6.	Defining classes in Java	T1	105-106	L.VIDEO	1	6
LEARNING OUTCOME At the end of unit, students should be able to • Understand the basic concepts of OOPs. • Understand the characteristics of Java and develop the basic Java programs. • Develop the program based on control structure.						
UNIT-II FUNDAMENTAL OF C++ 6						
7.	Introduction to Programming	T1	125-134	BB/PPT	1	7
8.	Conditional statements: if-else, switch-case	T1	145-148	L.VIDEO	1	8
9.	Loops: for, while, do-while	T1	157-162	BB/PPT	1	9
10.	Break, continue statements	W3	183-187	Demo	1	10
11.	Input/ Output Standard input/output streams (cin, cout)	T1	190-192	BB/PPT	1	11
12.	Functions	T1	192-202	BB/PPT	1	12
LEARNING OUTCOME At the end of unit, students should be able to • Understand and implement inheritance in classes designed using Java. • Know about the abstract classes and interfaces. • Perform object cloning and also manipulate the Strings in Java.						
UNIT -III FILE HANDLING AND FUNCTIONS6						
13.	File, types of file ,file operations	T1	205-212	BB/PPT	1	13
14.	File handling (reading from and writing to files)	T1	217-220	BB/PPT	1	14

15.	Exception handling in files	T1	221-222	BB/PPT	1	15
16.	Functions : Function declaration and definition	T1	223-233	BB/PPT	1	16
17.	Function parameters and arguments	T1	234-235	BB/PPT	1	17
18.	Recursion.	T1	236-248	BB/PPT	1	18

LEARNING OUTCOME

At the end of unit, students should be able to

- Understand about the exceptions and its types.
- Understand about the file types, operations and organization.
- Understand the concepts of functions.

UNIT- IV		Inheritance and polymorphism				6
19.	Inheritance	T1	285-288	DEMO	1	19
20.	Types of inheritance	T1	288-290	BB/PPT	1	20
21.	Base class and derived class	T1	293-296	BB/PPT	1	21
22.	Polymorphism	T1	315-316 324-327	BB/PPT	1	22
23.	Method overloading, Method overriding	T1	354-356	BB/PPT	1	23
24.	Virtual functions and abstract classes.	T1	359-369 377-383	L.VIDEO	1	24

LEARNING OUTCOME

At the end of unit, students should be able to

- Understand the "is-a" relationship between classes.
- Identify base classes (parent classes) and derived classes (child classes).
- Identify the concepts of define and explain the concept of polymorphism

Topic No	Topic	Books for Reference	Page No.	Teaching Methodology	No. of Hours Required	Cumulative No. of periods
UNIT- V Data Structures in C++6						
25.	Arrays, Strings, Pointer	W4		BB/PPT	2	25
26.	Structures	T2	38-43	L.VIDEO	1	26
27.	Union	T2	69-108	BB/PPT	2	27
28.	I/O streams	T2	117-123	BB/PPT	1	28
29.	Searching	T2	171-189	BB/PPT	1	29
30.	Sorting	T2	269-273	BB/PPT	1	30

LEARNING OUTCOME

At the end of unit, students should be able to

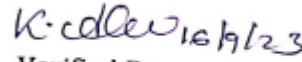
- Understand the fundamental concepts of data structures.
- Analyze the performance and efficiency of different data structures.
- Select appropriate data structures for specific problems.

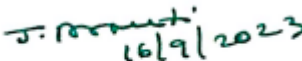
COURSE OUTCOME

At the end of the course, the students will be able to

- Apply C++ programming skills to solve a wide range of problems.
- Develop robust and efficient software solutions.
- Implement data structures and their operations using C++.
- Apply data structures to solve real-world programming problems.
- Develop problem-solving and analytical skills related to data structures


Prepared by
(Mrs.N.Dhamayandhi,AP/CSE)


Verified By
HOD/CSE


Approved by
PRINCIPAL

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ACADEMIC YEAR 2023 - 2024 ODD SEMESTER
II Year AC201- C++ Programming

NAME LIST

S.No	Reg.No	Student Name	S.No	Reg.No	Student Name
1.	821122104001	AARTHI S	34.	821122104035	MOHANRAJ T S
2.	821122104002	ABISHEK C	35.	821122104036	MOULI K
3.	821122104003	ADITYA RAAJAN M	36.	821122104037	MUTHEESWARAN S
4.	821122104004	AJAY KARTHICK A	37.	821122104038	NAASIM M
5.	821122104005	ANBUCHZHIYAN S	38.	821122104039	NARMATHA P
6.	821122104006	ARAVAMUTHAN J C	39.	821122104040	NESIKA S
7.	821122104007	ARCHANA S	40.	821122104041	NIRANJAN R
8.	821122104009	ASWIN KUMAR R	41.	821122104042	NITHISHKUMAR V
9.	821122104010	ASWINI S	42.	821122104043	PAVITHRA U
10.	821122104011	BARGAVI M	43.	821122104044	POONGUZHALI J
11.	821122104012	BHUVANESHWARI B	44.	821122104045	PRADHEESHA R
12.	821122104013	DHANYALAKSHIMI R	45.	821122104047	RAGAVI R
13.	821122104014	DHARSHINI S S	46.	821122104048	RAJASHREE E
14.	821122104015	DHASLIMA SHAFREEN M	47.	821122104050	RASIKA G
15.	821122104016	DINESH S	48.	821122104051	SABARINATHAN N
16.	821122104017	DURGADEVI N	49.	821122104052	SANDHIYA R
17.	821122104018	GAYATHRI R	50.	821122104053	SANJAI R
18.	821122104019	GOPIKA R	51.	821122104054	SANJIVE BALAJI A
19.	821122104020	HARISH M	52.	821122104055	SATHISHKUMAR S
20.	821122104021	HARISH SRIRAM B	53.	821122104056	SHAMEER RAHMAN S
21.	821122104022	HEMANTHBALAJI M	54.	821122104057	SIVA PRAKASH P
22.	821122104023	HEMAVARTHINI S	55.	821122104058	SRI GIRIDHARA S
23.	821122104024	HRITHICK J	56.	821122104059	SRIHARINI R
24.	821122104025	JAYAPRIYA B	57.	821122104060	SUDHISHA S
25.	821122104026	JEEVAROSHINI M	58.	821122104061	SWATHI M
26.	821122104027	JEFY ALLWIN J	59.	821122104062	VISHNU PRASADD M B
27.	821122104028	JOSEPHCLINTON S	60.	821122104301	BHARANIDHARAN G
28.	821122104029	JOSHICA A	61.	Transfer	SIVANESAN K
29.	821122104030	KARTHIKEYAN E			
30.	821122104031	KIRUTHIKA R			
31.	821122104032	LEXMADURAI S			
32.	821122104033	MADHAN M			
33.	821122104034	MARIMUTHU P			


 Staff Incharge


 HOD/CSE


DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
TIME TABLE (SEP' 2023 - JAN' 2024, ODD SEM)

B.E - CSE (Reg. 2021) - With Effect from 18.10.23 - Tentative Last Working Day 04.01.2024

Batch:2022-2026

Year: II

Semester: III

Class Room : 222

Strang
Blo

Session	1	2	10.45 am - 11.00 am	3	4	12.30 pm - 01.10 pm	5	6	02.40 pm - 02.50 pm	7	8
Day	09.15am - 10.00am	10.00am - 10.45am		11.00am - 11.45am	11.45am - 12.30pm		01.10pm - 01.55pm	01.55pm - 02.40pm		02.50pm - 03.35pm	03.35pm - 04.20pm
MON	CS3361		BREAK	CS3361		LUNCH BREAK	CS3351	MA3354	BREAK	CS3301	CS3351
TUE	CS3301	MA3354		CS3391	CS3352		CS3351			SPORTS	
WED	CS3352	CS3301		MA3354	T&P(SS)		CS3301	CS3381		CS3381	
THU	CS3391	CS3351		CS3352	CS3391		GE3361			GE3361	
FRI	CS3351	T&P(A)		CS3352	MA3354		CS3391	CS3311		CS3311	
SAT	MA3354	CS3352		LIB	CS3301		AC201			AC201	SE

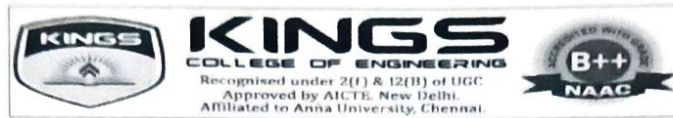
SUB CODE	NAME OF THE SUBJECT	CATEGORY	CREDITS	NAME OF THE STAFF	DEPT	PERIODS/WK
TUTORIAL (T), ELECTIVE (E)						
MA3354	Discrete Mathematics	BSC	4	Dr.V.Vijayalakshmi	MATHS	5
CS3351	Digital Principles and Computer Organization	ESC	4	Mr.R.Thandayuthapani	ECE	5
CS3352	Foundations of Data Science	PCC	3	Mr.S.Rajarajan	CSE	5
CS3301	Data Structures	PCC	3	Ms.S.Puvaneswari	CSE	5
CS3391	Object Oriented Programming	PCC	3	Mr.M.Arun	CSE	5
PRACTICAL						
CS3311	Data Structures Laboratory	PCC	1.5	Ms.S.Puvaneswari	CSE	3
CS3381	Object Oriented Programming Laboratory	PCC	1.5	Mr.M.Arun	CSE	3
CS3361	Data Science Laboratory	PCC	2	Mr.S.Rajarajan	CSE	4
GE3361	Professional Development	EEC	1	Mr.M.Arun	CSE	4
VALUE ADDITION INITIATIVES (VAI)						
AC201	Add on Course on "C++ Programming"	VAI		Ms.N.Dhamayandhi	CSE	3
LIB	Library	VAI		Ms.S.Puvaneswari, Mr.M.Arun	CSE	1
SEM	Technical Seminar	VAI		Ms.B.Bavithra	CSE	1
SPORTS	Sports (Odd Week - Sports(I) - Girls & Sports(O) - Boys)	VAI		Mr.S.Rajarajan, Ms.B.Bavithra	CSE	2
T&P(A)	Training & Placement - Aptitude	VAI		Ms.P.Suganya	T&P	1
T&P(SS)	Training & Placement - Softskills	VAI		Dr.B.Barankumar	T&P	1

CLASS CO-ORDINATOR	NAME OF THE REPRESENTATIVES	ROLL NO
Mr.M.Arun	S.Lexmadurai S.Sudisha	31 58
CLASS COMMITTEE CHAIR PERSON	Ms.B.Sangeetha	

 S. Puvaneswari
 DEPT. TTC 17/10/23

 K. Arun
 1 HOD 17/10/23

 J. M. Sangeetha
 PRINCIPAL 18/10/23



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Academic Year 2023-24 ODD SEMESTER

AC201 - C++ Programming

Assessment - I

Part - A

1. Define oops concept.
2. What is mean by Operators?
3. Define inheritance.
4. Explain Encapsulation.
5. Define datatypes.

Part-B

6. Write a C++ Program to Check if a Number is Even.
7. Write a C++ Program to Check Whether a Given Number is Even or Odd.
8. Write a C++ program to Check Whether a Number is Positive or Negative.
9. Write a C++ program for Sum of Digits.
10. Write a C++ Program to Reverse a Number.

[Signature]
20/10/23
Staff Incharge

[Signature]
20/10/23
HOD/CSE

ASSESSMENT - 1

21/10/2023

33
50

Archana - S
II - CSE
C++ program

21/10/23

5. Data types :

C++ is an object-oriented programming language which gives a clear structure to program and allow code to be reused, lowering development of cost.

1. OOPS concept :

The OOPS concept in C++ allows you to create classes and objects, promoting modularity and reusability.

2. operators :

An operator in C++ is a symbol or set of symbol or set of symbol that tells the computer to perform an action or operation on data.

4. Encapsulation:

* Encapsulation is a technique that protects data and function by combining them into a class, and hiding from unauthorized access.

3. Inheritance:

* Inheritance is a mechanism that allows a new class to inherit properties and methods from an existing class.

Example:

```
#include <iostream>
```

```
using namespace std;
```

```
int main()
```

```
{
```

```
    int num;
```

```
    cout << "Enter the number to be checked:";
```

```
    cin >> num;
```

```
    if (num % 2 == 0)
```

```
        cout << num << " is even.";
```

else

cout << num << " is NOT Even";

return 0;

}

2.

#include <iostream>

using namespace std;

int main()

{

int num;

cout << "Enter the number to be checked: ";

cin >> num;

if (num >= 0)

cout << num << " is a positive number.";

else

cout << num << " is a negative number.";

return 0;

}

21.10.23

Assessment - I

Rasika. G.

II - CSE

C++

21/10/23

26/50

1. oops concept :-

* The oops concept in c++ allows you to asked classes and objects, promoting modularity and reusability.

2. operators :

* As operator in c++ is a symbol of set of symbol of set of symbol that tells the computer to perform an action of operation on data.

3. Inheritance :

* Inheritance is a mechanism that allows a new class to inherit

Properties and methods form an existing class.

4. Encapsulation :-

* Encapsulation is technique that produces data and function by writing them into a class, and hiding from unauthorized access.

5. Data types :-

* C++ is an object-oriented programming language which gives a clear structure to program and allow code to be used lowering development of code.

8mark :-

1.

```
#include <iostream>
```

```
using namespace std;
```

```
int main()
```

```
{
```

```
    int num;
```

```
    cout << "Enter the number to be  
checked";
```

```
    cin >> num;
```

```
    if (num % 2 == 0)
```

```
        cout << num << " is Even";
```

```
    else
```

```
        cout << num << " is not even";
```

```
    return 0;
```

```
}
```

2.

```
#include <iostream>
```

```
using namespace std;
```

```
int main()
```

```
{
```

```
    int num;
```

```
    cout << "Enter the number to be
```

```
checked : ;
```

```
    cin >> num;
```

```
    if (num >= 0)
```

```
        cout << num << " is a positive number
```

```
    else
```

```
        cout << num << " is a negative number
```

```
    return 0;
```

```
}
```


DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ACADEMIC YEAR 2023 - 2024 ODD SEMESTER
AC201- C++ Programming - II Year

Assessment - I Mark statement

S.No	Reg.No	Student Name	Signature
1.	821122104001	AARTHI S	25
2.	821122104002	ABISHEK C	26
3.	821122104003	ADITYA RAAJAN M	28
4.	821122104004	AJAY KARTHICK A	AB
5.	821122104005	ANBUCHZHIAN S	30
6.	821122104006	ARAVAMUTHAN J C	28
7.	821122104007	ARCHANA S	33
8.	821122104009	ASWIN KUMAR R	29
9.	821122104010	ASWINI S	35
10.	821122104011	BARGAVI M	41
11.	821122104012	BHUVANESHWARI B	43
12.	821122104013	DHANYALAKSHIMI R	46
13.	821122104014	DHARSHINI S S	45
14.	821122104015	DHASLIMA SHAFREEN M	48
15.	821122104016	DINESH S	40
16.	821122104017	DURGADEVI N	AB
17.	821122104018	GAYATHRI R	38
18.	821122104019	GOPIKA R	35
19.	821122104020	HARISH M	AB
20.	821122104021	HARISH SRIRAM B	34
21.	821122104022	HEMANTHBALAJI M	32
22.	821122104023	HEMAVARTHINI S	41
23.	821122104024	HRITHICK J	39
24.	821122104025	JAYAPRIYA B	42
25.	821122104026	JEEVAROSHINI M	39
26.	821122104027	JEFY ALLWIN J	40
27.	821122104028	JOSEPHCLINTON S	41
28.	821122104029	JOSHICA A	43
29.	821122104030	KARTHIKEYAN E	45
30.	821122104031	KIRUTHIKA R	38
31.	821122104032	LEXMADURAI S	35
32.	821122104033	MADHAN M	31
33.	821122104034	MARIMUTHU P	30
34.	821122104035	MOHANRAJ T S	29
35.	821122104036	MOULI K	AB
36.	821122104037	MUTHEESWARAN S	AB
37.	821122104038	NAASIM M	AB

38.	821122104039	NARMATHA P	38
39.	821122104040	NESIKA S	46
40.	821122104041	NIRANJAN R	43
41.	821122104042	NITHISHKUMAR V	41
42.	821122104043	PAVITHRA U	31
43.	821122104044	POONGUZHALI J	39
44.	821122104045	PRADHEESHA R	48
45.	821122104047	RAGAVI R	32
46.	821122104048	RAJASHREE E	45
47.	821122104050	RASIKA G	26
48.	821122104051	SABARINATHAN N	40
49.	821122104052	SANDHIYA R	40
50.	821122104053	SANJAI R	AB
51.	821122104054	SANJIVE BALAJI A	32
52.	821122104055	SATHISHKUMAR S	28
53.	821122104056	SHAMEER RAHMAN S	AB
54.	821122104057	SIVA PRAKASH P	48
55.	821122104058	SRI GIRIDHARA S	41
56.	821122104059	SRIHARINI R	35
57.	821122104060	SUDHISHA S	34
58.	821122104061	SWATHI M	48
59.	821122104062	VISHNU PRASADD M B	40
60.	821122104301	BHARANIDHARAN G	AB
61.	Transfer	SIVANESAN K	AB
No. of Present			51
No. of absent			10
Staff Incharge			AB 23/10/24
Hod			K. C. D. 23/10/24

AB 23/10/24
Staff Incharge

K. C. D.
1 HOD/CSE 23/10/24



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Academic Year 2023-24 ODD SEMESTER

AC201 – C++ Programming

Assessment II

Answer all the question (05*10=50)

1. Write a C++ program for Factorial of a number.
2. Write a C++ Program to Find Fibonacci Numbers using Iteration.
3. Write a C++ program for Switch Statement.
4. Write a C++ program for try catch statement.
5. Write a C++ program for do-while loop statement.

A. J. S.
Staff Incharge 10/12/23

K. S. D. S.
HOD/CSE 10/12/23

11/12/2023

ASSESSMENT-2

39
50

Dharshini S.S
II year - CSE
C++

1. Switch:

```
#include <iostream>
```

```
using namespace std;
```

```
int main ()
```

```
{
```

```
    int percentage;
```

```
    cout << "Enter the Percentage: ";
```

```
    cin >> percentage;
```

```
    switch (percentage / 10)
```

```
    {
```

```
        case 10:
```

```
            cout << "You have got grade A+" <<
```

```
            endl;
```

```
            break;
```

```
            case 9:
```

```
                cout << "You have got grade B+" <<
```

```
                endl;
```

break;

cout << "You have got grade D" << endl;

break;

}

}

2 Factorial

#include <iostream>

using namespace std;

int main()

{

int fac;

long long val = 1;

cin >> fac;

cout << endl;

for (int i = 2; i <= fac; i++)

val = val * i;

cout << "The factorial of " .

<< val << endl;

return 0;

}

3.

Fibonacci:

```
#include <conio.h>
```

```
#include <iostream>
```

```
using namespace std;
```

```
int fibo - recur (int n)
```

```
{  
    if (n == 1 || n == 2)
```

```
        return 1;
```

```
    else
```

```
        return
```

```
        fibo - recur (n-1) +
```

```
        fibo - recur (n-2) ;
```

```
}
```

```
int main ()
```

```
{
```

```
    int n;
```

```
    while (1)
```

```
{
```

```
} return 0;
```

4. Do while loop:

```
#include <iostream>
```

```
int main()
```

```
{
```

```
    int a, d, n;
```

```
    std::cout << "Enter a, d, n of AP:";
```

```
    std::cin >> a >> d >> n;
```

```
    do {
```

```
        std::cout << a << " ";
```

```
        a = a + d;
```

```
    }
```

```
    while (n-- > 1);
```

```
    std::cout << std::endl;
```

```
}
```

5. Try catch:

```
#include <iostream>
```

```
#include <limits>
```

```
using namespace std;
```

typed or

numeric limits & char >

numlim;

void to_char (int i)

{

try

{

if (i < numlim::min() || i >

numlim::max())

throw 1;

else

{

cout << "The value for " << i << " is "

char;

}

catch (int error)

{

if (error == 1)

{

cout <

endl;

```
}  
}  
}
```

```
int main ( )
```

```
{
```

```
int i;
```

```
cout << "Enter a value ";
```

```
cin >> i;
```

```
to-convert (i);
```

```
}
```


11-12-2023

Assessment - II

Rasika . G

II - CSE

C++

1. #include <iostream>

using namespace std;

int main ()

{

int percentage;

cout << "Enter the percentage : ";

cin >> percentage;

switch (percentage / 10)

{

case 10 : case 9 :

cout << "You have got grade A+" << endl;

break;

case 8 :

cout << "You have got grade A" << endl;

break;

case 7 :

```
cout << "you have got grade B+" << endl;  
break;
```

Case 6 :

```
cout << "you have got grade B" << endl;  
break;
```

Case 5 :

```
cout << "you have got grade C" << endl;  
break;
```

default :

```
cout << "you have got grade D" << endl;  
break;
```

```
{
```

```
}
```

2.

```
#include <iostream>
```

```
using namespace std;
```

```
int main()
```

```
{
```

```
int fac;
```

```
long long val = 1;
```

```
cin >> fac;
```

```
cout << endl;
```

```
for (int i = 2; i <= fac; i++)
```

```
val = val * i;
```

```
cout << "The factorial of " << fac << " is "  
      << val << endl;
```

```
return 0;
```

```
}
```

```
3. #include <cstring>
#include <iostream>
#include <cstdlib>
#define ll long long
using namespace std;

/*
 * Recursive function to find Fibonacci
 * /                                Numbers

ll fibo-recur(int n)
{
    if (n == 1 || n == 2)
        return 1;
    else
        return fibo-recur(n-1) + fibo-
        recur(n-2);
}
```



```

3. #include <string>
#include <iostream>
#include <cstdlib>
#define ll long long
using namespace std;

/*
 * Recursive function to find Fibonaccio
 * /                                Numbers

ll fibo-recur(int n)
{
    if (n == 1 || n == 2)
        return 1;
    else
        return fibo-recur(n-1) + fibo-
            recur(n-2);
}

/*
 * maino
 */

```

```
int main ( )
```

```
{
```

```
int n;
```

```
while (1)
```

```
{
```

```
Count << " Enter the integer n to find nth  
fibonacci no. (0 to exit) : ";
```

```
cin >> n;
```

```
if (n == 0)
```

```
break;
```

```
Count << fibo - recur (n) << endl;
```

```
}
```

```
return 0;
```

```
}
```

4.

```
#include <iostream>
```

```
int main()
```

```
{
```

```
int a a, d, n;
```

```
std::cout << "Enter a, d, n of AP:";
```

```
std::cin >> a >> d >> n;
```

```
std::cout << std::endl << "Terms of AP:"
```

```
a = "<<a<<", d = "
```

```
<<d<<", n = "<<n<<std::endl;
```

```
do {
```

```
std::cout << a << "\t";
```

```
a = a + d;
```

```
}
```

```
while (n-- > 1);
```

```
std::cout << std::endl;
```

```
}
```

\$. /a . out

Enter a, d, n of AP : 2 2 10

Terms of AP : $a = 2$, $d = 2$, $n = 10$

2 4

5

```
#include <iostream>
```

```
#include <limits>
```

```
using namespace std;
```

```
typedef numeric_limits<char> numlim;
```

```
void toChar (int i)
```

```
{
```

```
try
```

```
{
```

```
if (i < numlim::min() || i > numlim::
```

```
max())
```

```
throw 1; // error code 1.
```



```
int i;
```

```
cout << "Enter a value ";
```

```
cin >> i;
```

```
to_char(i);
```

```
}
```

```
$ a.out
```

Enter a value : 65

The char value for 65 is 'A'

```
$ a.out
```

Enter a value : 128

Range Error : exceeding character limits

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ACADEMIC YEAR 2023 - 2024 ODD SEMESTER

AC201- C++ Programming - II Year

Assessment - II Markstatement

S.No	Reg.No	Student Name	Signature
1.	821122104001	AARTHI S	36
2.	821122104002	ABISHEK C	30
3.	821122104003	ADITYA RAAJAN M	39
4.	821122104004	AJAY KARTHICK A	40
5.	821122104005	ANBUCHZHIAN S	AB
6.	821122104006	ARAVAMUTHAN J C	AB
7.	821122104007	ARCHANA S	25
8.	821122104009	ASWIN KUMAR R	36
9.	821122104010	ASWINI S	32
10.	821122104011	BARGAVI M	41
11.	821122104012	BHUVANESHWARI B	48
12.	821122104013	DHANYALAKSHIMI R	48
13.	821122104014	DHARSHINI S S	39
14.	821122104015	DHASLIMA SHAFREEN M	46
15.	821122104016	DINESH S	40
16.	821122104017	DURGADEVI N	41
17.	821122104018	GAYATHRI R	38
18.	821122104019	GOPIKA R	32
19.	821122104020	HARISH M	31
20.	821122104021	HARISH SRIRAM B	28
21.	821122104022	HEMANTHBALAJI M	31
22.	821122104023	HEMAVARTHINI S	30
23.	821122104024	HRITHICK J	32
24.	821122104025	JAYAPRIYA B	39
25.	821122104026	JEEVAROSHINI M	40
26.	821122104027	JEFY ALLWIN J	AB
27.	821122104028	JOSEPHCLINTON S	42
28.	821122104029	JOSHICA A	AB
29.	821122104030	KARTHIKEYAN E	43
30.	821122104031	KIRUTHIKA R	AB
31.	821122104032	LEXMADURAI S	42
32.	821122104033	MADHAN M	41
33.	821122104034	MARIMUTHU P	39
34.	821122104035	MOHANRAJ T S	29
35.	821122104036	MOULI K	28
36.	821122104037	MUTHEESWARAN S	38
37.	821122104038	NAASIM M	32

38.	821122104039	NARMATHA P	42
39.	821122104040	NESIKA S	46
40.	821122104041	NIRANJAN R	39
41.	821122104042	NITHISHKUMAR V	32
42.	821122104043	PAVITHRA U	38
43.	821122104044	POONGUZHALI J	29
44.	821122104045	PRADHEESHA R	48
45.	821122104047	RAGAVI R	39
46.	821122104048	RAJASHREE E	AB
47.	821122104050	RASIKA G	48
48.	821122104051	SABARINATHAN N	42
49.	821122104052	SANDHIYA R	39
50.	821122104053	SANJAI R	30
51.	821122104054	SANJIVE BALAJI A	26
52.	821122104055	SATHISHKUMAR S	AB
53.	821122104056	SHAMEER RAHMAN S	AB
54.	821122104057	SIVA PRAKASH P	38
55.	821122104058	SRI GIRIDHARA S	39
56.	821122104059	SRIHARINI R	40
57.	821122104060	SUDHISHA S	29
58.	821122104061	SWATHI M	30
59.	821122104062	VISHNU PRASADD M B	AB
60.	821122104301	BHARANIDHARAN G	32
61.	Transfer	SIVANESAN K	31
No. of Present			52
No. of absent			09
Staff Incharge			
HOD			J K 


14/12/23
Staff Incharge


HOD/CSE 14/12/23

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ACADEMIC YEAR 2022- 23 ODD SEMESTER

AC201- C++ Programming - REPORT

Course Details

Name of the course	Duration of the course	Target Group	Faculty Instructor	Start Date
AC201- C++ Programming	30 Hrs	II Year	Mrs.N.Dhamayandhi	23.09.2024

1. OBJECTIVE

To make the students

- Understand and use the basic programming constructs of C/C++
- Manipulate various C/C++ datatypes, such as arrays, strings, and pointers
- Isolate and fix common errors in C++ programs
- Use memory appropriately, including proper allocation/deallocation procedures
- Apply object-oriented approaches to software problems in C++

2. COURSE COVERAGE

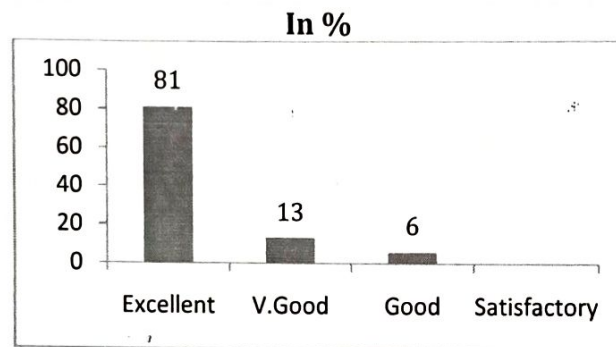
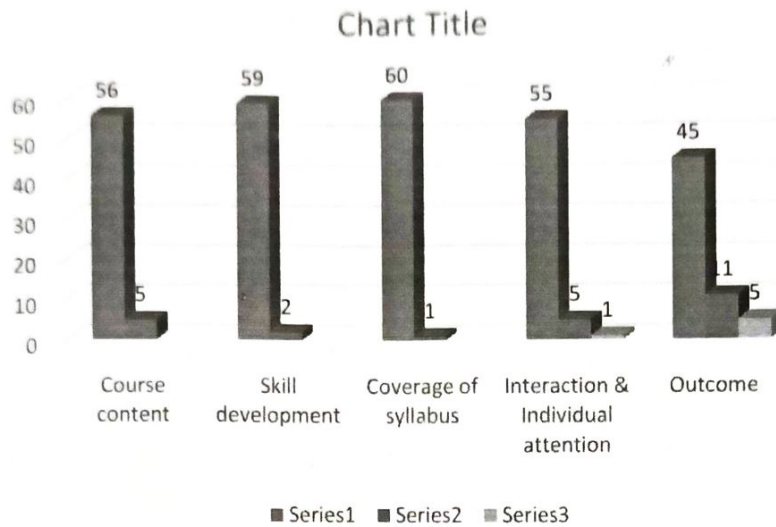
The course provided the students with

- Introduction to C++
- Algorithms and data structures
- Control flow statements:
- Problem-solving methodologies
- Software development lifecycle

3. FEEDBACK

Total Strength: 61

S.No	Criteria	Rating			
		Excellent	Very good	Good	Satisfactory
1.	Course content	56	5		
2.	Skill development	59	02		
3.	Coverage of syllabus	60	01		
4.	Interaction & Individual attention	55	5	1	
5.	Outcome	45	11	5	
Other suggestions					



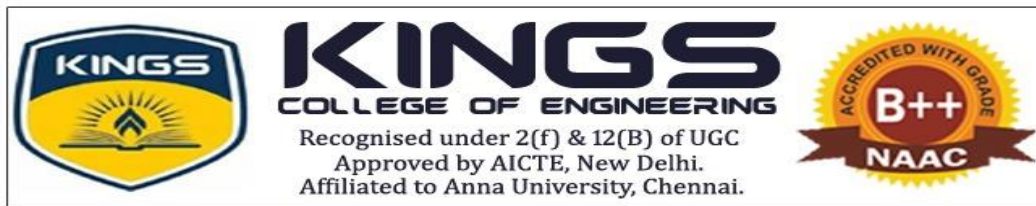
OUTCOME

The students are able to

- Solve programming problems using object-oriented features.
- Handle exceptions in programs.
- Understand how C++ improves C with object-oriented features.
- Design C++ classes for code reuse.
- Implement copy constructors and class member functions.

[Signature]
25/1/24
COURSE COORDINATOR(S)

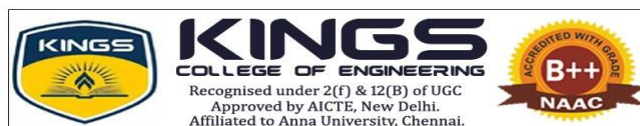
[Signature]
1 HOD/CSE 25/1/24



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

**ACADEMIC YEAR
2023 – 2024 ODD SEMESTER**

**AC301- Multimedia Design and
Development**

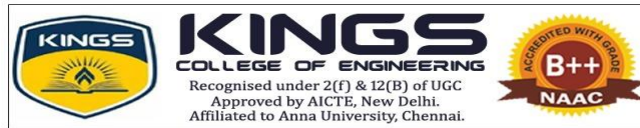


**DEPARTMENT OF COMPUTER SCIENCE AND
ENGINEERING**

**AC301 – MULTIMEDIA DESIGN AND
DEVELOPMENT**

YEAR / SEM: III / V

BATCH: 2021 - 2025



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2023 – 2024 ODD SEMESTER

AC301 – MULTIMEDIA DESIGN AND DEVELOPMENT

SYLLABUS

UNIT – I **SCRATCH** **6**

Introduction to Scratch Components – Working with sprites – Tracking a sprite to the mouse – Getting sprites talk to each other – Creating a simple drawing program – Developing the Ball Chase Game

UNIT – II **CANVA** **6**

Getting started with Canva – Create whiteboards with Canva – Managing content in Canva – Learn and play on desktop – Create websites with Canva – Collaborate on designs in Canva

UNIT – III **GIMP** **6**

Introduction to GIMP tool –GIMP Menus –Working with Layers – Layer masks – Working with filters - Photo Editing – Logo Making – Output Images

UNIT – IV **MACROMEDIA FLASH** **6**

Introduction to animation using FLASH – Shapes and objects – Transformation Tools – Colors, palettes, text - Frames, Key frames, Layering – Tweening ,Masking - Sounds and Video- Character Design and Animation- Publishing and exporting flash files

UNIT – V **ANIMAKER** **6**

Animaker Basics- Exploring the Animaker Dashboard and Interface – Scene Creation – Bringing the characters to life – Connecting Scenes – Creating a Promo Video

TOTAL: 30 PERIODS

1. Ms. Puvaneswari
2. Ms. Suganthalakshmi
06/07/24

Subject In charge

(Ms.S.Puvaneswari & Ms.R.Suganthalakshmi)

K. Alameer
HOD/CSE (i/c)
21/7/24



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2023 – 2024 ODD SEMESTER

COURSE PLAN

Sub. Code	: AC301	Branch / Year / Sem	: B.E CSE / III / V
Sub.Name	: Multimedia Design & Development	Batch	: 2021-2025
Staff Name	: Ms.S.Puvaneswari & Ms.R.Suganthalakshmi	Academic Year	: 2023-24 (ODD)

COURSE OBJECTIVE

1. To enhance the skill set of students in Graphics and Multimedia designing.
2. To introduce different Multimedia components and tools used for designing.
3. To create games, animations, and stories using Scratch
4. To learn how to create amazing, imaginative graphics using Canva
5. To acquire skills on manipulating images using GIMP
6. To learn the concept of Animation and Drawing using Flash
7. To make the students create animated videos using Animaker

S.No	Contents	Teaching Methodology	No of Hrs Required	Cumulative No of Hrs
Unit – I SCRATCH				6
1.	Introduction to Scratch Components	PPT	1	1
2.	Working with sprites	Demo / Hands on	1	2
3.	Tracking a sprite to the mouse	Demo / Hands on	1	3
4.	Getting sprites talk to each other	Demo / Hands on	1	4
5.	Creating a simple drawing program	Demo / Hands on	1	5
6.	Developing the Ball Chase Game	Demo / Hands on	1	6
Unit – II CANVA				6
7.	Getting started with Canva	PPT	1	7
8.	Create whiteboards with Canva	Demo / Hands on	1	8
9.	Managing content in Canva	Demo / Hands on	1	9
10.	Learn and play on desktop	Demo / Hands on	1	10
11.	Create websites with Canva	Demo / Hands on	1	11
12.	Collaborate on designs in Canva	Demo / Hands on	1	12
Unit – III GIMP				6
13.	Introduction to GIMP tool	PPT	1	13
14.	GIMP Menus	Demo / Hands on	1	14
15.	Working with Layers ,Layer masks	Demo / Hands on	1	15
16.	Working with filters, Photo Editing	Demo / Hands on	1	16
17.	Logo Making	Demo / Hands on	1	17
18.	Output Images	Demo / Hands on	1	18

S.No	Contents	Teaching	No of Hrs	Cumulative
------	----------	----------	-----------	------------

		Methodology	Required	No of Hrs
Unit – IV		MACROMEDIA FLASH		6
19.	Introduction to animation using FLASH – Shapes and objects	Demo / Hands on	1	19
20.	Transformation Tools – Colors, palettes, text	Demo / Hands on	1	20
21.	Frames, Key frames, Layering	Demo / Hands on	1	21
22.	Tweening ,Masking- Sounds and Video	Demo / Hands on	1	22
23.	Character Design and Animation	Demo / Hands on	1	23
24.	Publishing and exporting flash files	Demo / Hands on	1	24
Unit – V		ANIMAKER		6
25.	Animaker Basics	PPT	1	25
26.	Exploring the Animaker Dashboard and Interface	Demo / Hands on	1	26
27.	Scene Creation	Demo / Hands on	1	27
28.	Bringing the characters to life	Demo / Hands on	1	28
29.	Connecting Scenes	Demo / Hands on	1	29
30.	Creating a Promo Video	Demo / Hands on	1	30

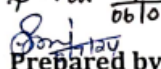
COURSE OUTCOME

At the end of the course, the students will be able to

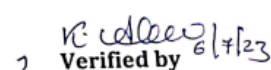
- Apply graphic design principles in the ideation, development, and production of visual images
- Create animations and games using the Scratch programming language.
- Create professional graphic designs with Canva .
- Edit a photo professionally from start to finish using GIMP tool
- Create simple Flash Animations
- Make animated videos

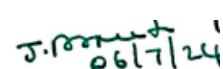
EVALUATION PROCEDURE

Unit	Activity	Evaluation Criteria(20 Marks / Unit)
Scratch	Story/ Game Development	Creativity – 5, Timely Submission - 5 Development - 10
Canva	Certificate / Poster/ Website Design	
GIMP	Photo Editing/ Logo Making	
Macromedia FLASH	Character Design/ Animation	
Animaker	Scene Creation / Promo Video	

Prepared by


(Ms.S.Puvaneswari & Ms.R.Suganthalakshmi)

Verified by

 (Dr.K.Abhirami)

PRINCIPAL
 (Approved by)


Academic Year 2023-24(ODD Semester)
Department of Computer Science and Engineering
AC301 – Multimedia Design and Development Attendance Sheet

NameList

Sl.No	Reg.No	Name of the student	Sl.No	Reg.No	Name of the student
1	821121104001	AAKASH S	43	821121104044	PRASANNA R
2	821121104002	AANDAL S A	44	821121104045	RAHUL S
3	821121104003	AARTHI S	45	821121104046	ROOBIGA R
4	821121104004	ANEES PRIYANKA V	46	821121104047	ROOHI SHIFA M
5	821121104005	ARAVIND S	47	821121104048	SARAVANAN K
6	821121104006	ARUL B	48	821121104049	SATHYA A
7	821121104007	ASHOK KUMAR K	49	821121104050	SHALINI K
8	821121104008	ASMA S	50	821121104051	SHARMIKA R
9	821121104009	BHARATHI P A	51	821121104052	SHASHANK S
10	821121104011	DHANUSHRAJ D	52	821121104053	SIVADHARANI M
11	821121104012	DHARANI R	53	821121104054	SOWMIYA P J
12	821121104013	DHEVADHARSHINI M	54	821121104055	SRIRAM R
13	821121104014	GAYATHIRI S	55	821121104056	SUJITH V
14	821121104015	GOWRISHANGARI R	56	821121104057	SURENDRAN V
15	821121104016	HARIHARAN K	57	821121104058	VASANTHKUMAR K
16	821121104017	HARIHARAN S	58	821121104059	VENKATESH B
17	821121104018	HARINI V	59	821121104060	VISHAL K
18	821121104019	HARI PRASATH S	60	821121104301	GOVINDHAVASAN.K
19	821121104020	INDRANI M	61	821121104302	KANNA.N
20	821121104021	JANARTHANAN P	62	821121104303	KISHORE.B
21	821121104022	JEEVA R	63	821121104305	YUVARAJ CHINNAIYA.
22	821121104023	JEEVESH P S	64		ASHVITHA D
23	821121104024	JOHARA KANI S	65		LINGESH R S
24	821121104025	KARTHIK V	66		SRIKANTH S
25	821121104026	KEERTHANA J			
26	821121104027	KUMARESAN K P			
27	821121104028	MAHESHWARI D			
28	821121104029	MANIBHARATHI V S			
29	821121104030	MANOJ M			
30	821121104031	MATHESH KRISHNAN M			
31	821121104032	MOHAMED ASICK A			
32	821121104033	MOHAMED GANI M			
33	821121104034	MOHAMMED ALI K			
34	821121104035	MONESHWARAN S			
35	821121104036	MURUGANANTHAM P			
36	821121104037	MURUGESHWARI A			
37	821121104038	NANDHAKUMAR P			
38	821121104039	NAVEEN G			
39	821121104040	NITHYASHRI B M			
40	821121104041	NOORA K M			
41	821121104042	PRAGATHI V			
42	821121104043	PRAKASH M			

S. Puri
 Staff In-Charge

K. C. D. D.
 HOD/CSE 27/7/23



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

TIME TABLE (JULY 2023 - NOVEMBER 2023, ODD SEM)

B.E - CSE (Reg. 2021) - With Effect from 27.11.23 - Tentative Last Working Day - 17.11.23

Batch:2021-2025

Year: III

Semester: V

Class Room : 227

Strengt

Blo

Session	1	2	10.45 am - 11.00 am	3	4	12.30 pm - 01.10 pm	5	6	02.40 pm - 02.50 pm	7	8	
Day	09.15am - 10.00am	10.00am - 10.45am		11.00am - 11.45am	11.45am - 12.30pm		01.10pm - 01.55pm	01.55pm - 02.40pm		02.50pm - 03.35pm	03.35pm - 04.20pm	
MON	CCW331	CS3501	BREAK	CS3551	T&P(SS)	LUNCH BREAK	CCS335	CB3491	BREAK	CS3591		
TUE	CB3491	CS3591		MX3084	CCW331		CS3501			SPORTS		
WED	CS3501	CS3591		CS3501	CB3491		MX3084	CB3491		T&P(A)	LIB	
THU	CS3551	CCW331		CCS335			CS3591	MX3084		CS3551	GATE/CE	
FRI	CCS335	CB3491		CS3501	CS3591		CCW331			CS3551	SEM	
SAT	AC301			AC301	NPTEL		CB3491	CCW331		CCS335	CS3591	

SUB CODE	NAME OF THE SUBJECT	CATEGORY	CREDITS	NAME OF THE STAFF	DEPT	PERIODS/W.
TUTORIAL (T), ELECTIVE (E), THEORY CUM PRACTICAL (P)						
CS3591	Computer Networks	PCC	4(P)	Ms.M.Kavitha	CSE	6
CS3501	Compiler Design	PCC	4(P)	Ms.D.Mangalambigai	CSE	6
CB3491	Cryptography and Cyber Security	PCC	3	Dr.S.Kannan	CSE	6
CS3551	Distributed Computing	PCC	3	Ms.S.Abikayil Aarthi	CSE	5
CCW331	Business Analytics	PEC	3(PE-1)(P)	Dr.K.Abhirami	CSE	6
CCS335	Cloud Computing	PEC	3(PE-2)(P)	Ms.K.Abinaya	CSE	5
MX3084	Disaster Management	MC	0	Dr.B.Barankumar	MGMT	3
VALUE ADDITION INITIATIVES (VAI)						
AC301	Addon Course- "Multimedia Design & Development"	VAI		Ms.S.Puvaneswari Ms.R.Suganthalakshmi	CSE	3
GATE / CE	GATE / Competitive Exam	VAI		Ms.N.Dhamayandhi / Ms.K.Abinaya	CSE	1
LIB/NET	Library / Internet	VAI		Ms.D.Mangalambigai Ms.S.Abikayil Aarthi Ms.M.Kavitha	CSE	1
NPTEL	NPTEL Swayam Courses	VAI		Ms.D.Mangalambigai	CSE	1
SEM	Seminar	VAI		Ms.B.Bavithra	CSE	1
SPORTS	Sports (Odd Week - Sports(I) - Girls & Sports(O)-Boys)	VAI		Mr.S.Rajaraman Ms.B.Bavithra	CSE	2
T&P (A)	Training & Placement - Aptitude	VAI		Dr.B.Barankumar	T&P	1
T&P(SS)	Training & Placement - Softskill	VAI		Dr.K.Sudhakar	T&P	1
CLASS CO-ORDINATOR				NAME OF THE REPRESENTATIVES		ROLL NO
Ms.D.Mangalambigai				Hariharan.K, Dharani.R		15 & 11
CLASS COMMITTEE CHAIR PERSON				Mr.M.Arun		

DEPT. TTC

HOD 26/7/23

PRINCIPAL 26/7/2023



KINGS
COLLEGE OF ENGINEERING
Recognized under 2(F) & 12(B) of UGC
Approved by AICTE, New Delhi
Affiliated to Anna University, Chennai



Moneshwaran S

III year.
09.09.23

20
25

18

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Academic Year 2023-24 ODD SEMESTER

AC301 - Multimedia Design and Development

Assessment - I

1. What is multimedia file?

- a) is same as any other regular file
- ☒ b) must be accessed at specific rate
- c) stored on remote server can not be delivered to its client
- d) none of the mentioned

2. In which type of streaming multimedia file is delivered to the client, but not shared?

- ☒ a) real-time streaming
- b) progressive download
- c) compression
- d) none of the mentioned

3. Which one of the following is the characteristic of a multimedia system?

- a) high storage
- b) high data rates
- ☒ c) both high storage and high data rates
- d) none of the mentioned

4. The delay that occurs during the playback of a stream is called

- a) stream delay
- b) playback delay
- ☒ c) jitter
- d) event delay

5. Which algorithm can be optimized to meet the timing deadlines and rate requirements of continuous media?

- a) Earliest-Deadline-First scheduling
- b) SCAN-EDF scheduling
- ☒ c) Both Earliest-Deadline-First scheduling & SCAN-EDF scheduling
- d) None of the mentioned

6. Real time streaming protocol is used

- ☒ a) to control streaming media servers
- b) for establishing and controlling media sessions between endpoints
- c) to provide real time control of playback of media files from the server
- d) all of the mentioned

7. In teardown state of real time streaming protocol is _____

- a) the server resources for client
- ☒ b) server delivers the stream to client
- c) server suspends delivery of stream
- d) server breaks down the connection

8. CineBlitz multimedia server supports

- a) real time clients
- b) non-real time clients
- ☒ c) both real time & non-real time clients
- d) none of the mentioned

9. Multimedia system requires hard real time scheduling _____

- ☒ a) to ensure critical tasks will be serviced within timing deadlines
- b) to deliver the media file to the client
- c) to minimize the delay
- d) for security

10. Which one of the following resources is not necessarily required on a file server?

- ☒ a) secondary storage
- b) processor
- c) network
- d) monitor

11. The major difference between a multimedia file and a regular file is

- a) the size
- b) the attributes
- c) the ownership
- ☒ d) the rate at which the file must be accessed

12. Video is represented as a series of images formally known as _____

- a) pics
- b) shots
- ☒ c) frames
- d) snaps

13. The faster the frames are displayed,

- a) the rougher the video appears
- ☒ b) the smoother the video appears

- c) it gets blurry
- d) none of the mentioned

14. The characteristic of the eye to retain the image for a short time after it has been presented is known as

- ☒ a) persistence of vision
- b) learning power
- c) memory mapped input
- d) none of the mentioned

15. When will Local playback be used?

- ☒ a) the multimedia data are delivered from a local file system
- b) a computer next to you is playing something
- c) a multimedia file is being played on a system in the local network
- d) none of the mentioned

16. Multimedia files stored on a remote server are delivered to a client across the network using a technique known as

- a) download
- ☒ b) streaming
- c) flowing
- d) leaking

17. What are the two types of streaming techniques?

- ☒ a) progressive download & real time streaming
- b) regular download & real time streaming
- c) real time & virtual time streaming
- d) virtual time streaming

18. A media file containing audio or video is downloaded and stored on the client's local file system in

- ☒ a) progressive download
- b) regular download
- c) real time streaming
- d) virtual time streaming

19. Progressive download is most useful for

- ☒ a) short video clips
- b) long video clips
- c) extremely long and high quality videos
- d) none of the mentioned

20. The media file is streamed to the client but is only played and not stored by the client in

- a) progressive download
- b) regular download
- ☒ c) real time streaming
- d) virtual time streaming

21. Real time streaming is most useful for

- a) short video clips
- ☒ b) long video clips
- c) extremely short and low quality videos
- d) none of the mentioned

22. The ability to move around within a media stream is known as

- ☒ a) buffering
- b) random access
- c) access
- d) sequential access

23. What are the two types of real time streaming?

- a) live & on demand streaming
- ☒ b) dead & static streaming
- c) static & on demand streaming
- d) on demand streaming

24. Random access is not allowed in

- ☒ a) live streaming
- b) dead streaming
- c) static streaming
- d) on demand streaming

25. The streaming that takes place as the event is occurring is

- a) live streaming
- b) dead streaming
- c) static streaming
- ☒ d) on demand streaming

S. Purni
12/09/23
Staff In-Charge

K. Adarsh
12/09/23
HOD/CSE



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
Academic Year 2023-24 ODD SEMESTER
AC301 - Multimedia Design and Development

Assessment - I

ROOBIGIA - R

III year

CSE - 09-09-23

24
25

1. What is multimedia file?

- a) is same as any other regular file
- ☒ b) must be accessed at specific rate
- c) stored on remote server can not be delivered to its client
- d) none of the mentioned

2. In which type of streaming multimedia file is delivered to the client, but not shared?

- ☒ a) real-time streaming
- b) progressive download
- c) compression
- d) none of the mentioned

3. Which one of the following is the characteristic of a multimedia system?

- a) high storage
- b) high data rates
- ☒ c) both high storage and high data rates
- d) none of the mentioned

4. The delay that occurs during the playback of a stream is called

- a) stream delay
- b) playback delay
- ☒ c) jitter
- d) event delay

5. Which algorithm can be optimized to meet the timing deadlines and rate requirements of continuous media?

- ☒ a) Earliest-Deadline-First scheduling
- b) SCAN-EDF scheduling
- c) Both Earliest-Deadline-First scheduling & SCAN-EDF scheduling
- d) None of the mentioned

6. Real time streaming protocol is used

- a) to control streaming media servers
- b) for establishing and controlling media sessions between endpoints
- c) to provide real time control of playback of media files from the server
- ☒ d) all of the mentioned

7. In teardown state of real time streaming protocol is _____

- a) the server resources for client
- b) server delivers the stream to client
- c) server suspends delivery of stream
- ☒ d) server breaks down the connection

8. CineBlitz multimedia server supports

- a) real time clients
- b) non-real time clients
- ☒ c) both real time & non-real time clients
- d) none of the mentioned

9. Multimedia system requires hard real time scheduling _____

- ☒ a) to ensure critical tasks will be serviced within timing deadlines
- b) to deliver the media file to the client
- c) to minimize the delay
- d) for security

10. Which one of the following resources is not necessarily required on a file server?

- a) secondary storage
- b) processor
- c) network
- ☒ d) monitor

11. The major difference between a multimedia file and a regular file is

- a) the size
- b) the attributes
- c) the ownership
- ☒ d) the rate at which the file must be accessed

12. Video is represented as a series of images formally known as _____

- a) pics
- b) shots
- ☒ c) frames
- d) snaps

13. The faster the frames are displayed,

- a) the rougher the video appears
- ☒ b) the smoother the video appears

- c) it gets blurry
- d) none of the mentioned

14. The characteristic of the eye to retain the image for a short time after it has been presented is known as

- ☒ a) persistence of vision
- b) learning power
- c) memory mapped input
- d) none of the mentioned

15. When will Local playback be used?

- ☒ a) the multimedia data are delivered from a local file system
- b) a computer next to you is playing something
- c) a multimedia file is being played on a system in the local network
- d) none of the mentioned

16. Multimedia files stored on a remote server are delivered to a client across the network using a technique known as

- a) download
- ☒ b) streaming
- c) flowing
- d) leaking

17. What are the two types of streaming techniques?

- ☒ a) progressive download & real time streaming
- b) regular download & real time streaming
- c) real time & virtual time streaming
- d) virtual time streaming

18. A media file containing audio or video is downloaded and stored on the client's local file system in _____

- ☒ a) progressive download
- b) regular download
- c) real time streaming
- d) virtual time streaming

19. Progressive download is most useful for _____

- ☒ a) short video clips
- b) long video clips
- c) extremely long and high quality videos
- d) none of the mentioned

20. The media file is streamed to the client but is only played and not stored by the client in _____

- a) progressive download
- b) regular download
- ☒ c) real time streaming
- d) virtual time streaming

21. Real time streaming is most useful for

- ☒ a) short video clips
- b) long video clips
- c) extremely short and low quality videos
- d) none of the mentioned

22. The ability to move around within a media stream is known as _____

- a) buffering
- ☒ b) random access
- c) access
- d) sequential access

23. What are the two types of real time streaming?

- ☒ a) live & on demand streaming
- b) dead & static streaming
- c) static & on demand streaming
- d) on demand streaming

24. Random access is not allowed in

- ☒ a) live streaming
- b) dead streaming
- c) static streaming
- d) on demand streaming

25. The streaming that takes place as the event is occurring is _____

- a) live streaming
- b) dead streaming
- c) static streaming
- ☒ d) on demand streaming

95. Pw
12/09/23
Staff In-Charge

K-cdleo
1 HOD/CSE 12/09/23



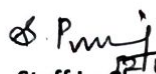
Academic Year 2023-24(ODD Semester)
Department of Computer Science and Engineering
AC301 - Multimedia Design and Development
Assessment I Mark statement

III CSE

Total Strength: 66

S.N o.	Reg.No	Name of the student	Marks (50)
1.	821121104001	AAKASH S	30
2.	821121104002	AANDAL S A	32
3.	821121104003	AARTHI S	AB
4.	821121104004	ANEES PRIYANKA V	31
5.	821121104005	ARAVIND S	30
6.	821121104006	ARUL B	39
7.	821121104007	ASHOK KUMAR K	24
8.	821121104008	ASMA S	25
9.	821121104009	BHARATHI P A	28
10.	821121104011	DHANUSHRAJ D	39
11.	821121104012	DHARANI R	40
12.	821121104013	DHEVADHARSHINI M	42
13.	821121104014	GAYATHIRI S	AB
14.	821121104015	GOWRISHANGARI R	42
15.	821121104016	HARIHARAN K	41
16.	821121104017	HARIHARAN S	39
17.	821121104018	HARINI V	32
18.	821121104019	HARI PRASATH S	28
19.	821121104020	INDRANI M	26
20.	821121104021	JANARTHANAN P	25
21.	821121104022	JEEVA R	AB
22.	821121104023	JEEVESH P S	29
23.	821121104024	JOHARA KANI S	27
24.	821121104025	KARTHIK V	AB
25.	821121104026	KEERTHANA J	30
26.	821121104027	KUMARESAN K P	38
27.	821121104028	MAHESHWARI D	37
28.	821121104029	MANIBHARATHI V S	32
29.	821121104030	MANOJ M	31
30.	821121104031	MATHESH KRISHNAN M	40
31.	821121104032	MOHAMED ASICK A	AB
32.	821121104033	MOHAMED GANI M	42
33.	821121104034	MOHAMMED ALI K	43
34.	821121104035	MONESHWARAN S	20
35.	821121104036	MURUGANANTHAM P	AB
36.	821121104037	MURUGESHWARI A	40
37.	821121104038	NANDHAKUMAR P	25
38.	821121104039	NAVEEN G	26
39.	821121104040	NITHYASHRI B M	25
40.	821121104041	NOORA K M	25
41.	821121104042	PRAGATHI V	28
42.	821121104043	PRAKASH M	39
43.	821121104044	PRASANNA R	32
44.	821121104045	RAHUL S	36
45.	821121104046	ROOBIGA R	24

46.	821121104047	ROOHI SHIFA M	31
47.	821121104048	SARAVANAN K	42
48.	821121104049	SATHYA A	43
49.	821121104050	SHALINI K	45
50.	821121104051	SHARMIKA R	46
51.	821121104052	SHASHANK S	47
52.	821121104053	SIVADHARANI M	42
53.	821121104054	SOWMIYA P J	48
54.	821121104055	SRIRAM R	49
55.	821121104056	SUJITH V	25
56.	821121104057	SURENDRAN V	26
57.	821121104058	VASANTHKUMAR K	AB
58.	821121104059	VENKATESH B	27
59.	821121104060	VISHAL K	2
60.	821121104301	GOVINDHAVASAN.K	AB
61.	821121104302	KANNA.N	AB
62.	821121104303	KISHORE.B	28
63.	821121104305	YUVARAJ CHINNAIYA.	29
64.		ASHVITHA D	30
65.		LINGESH R S	32
66.		SRIKANTH S	32
No of Students Present			57
No of Students Absent			09
Staff Signature			
HOD Sign			1 K- 12/9/23


Staff In-Charge 12/09/23


1 HOD/CSE 12/9/23



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
Academic Year 2023-24 ODD SEMESTER
AC301 - Multimedia Design and Development

Assessment - II

Part - A (10*2=20)

1. What is multimedia?
2. What are the types of video compressions available?
3. What is interactive multimedia?
4. Mention the major uses of Multimedia?
5. Mention some of the image formats used in multimedia?
6. Define MIDI?
7. What is warping?
8. What is AVI format?
9. Write a note on video files?
10. Write a note on GIF?

Part-B (3*10=30)

11. write a C# Program to Find the Minimum Range of Data Types.
12. write a C# Program to Perform All Arithmetic Operations.
13. write a C# Program to Demonstrate the use of Conditional Logical Operator.

S. Puri
08/11/23
Staff In-Charge

K. Adarsh
08/11/23
HOD/CSE

Multimedia Design and Development.

Harini.V

Assessment - II

III - Year

CSE

09-11-23

PART - A.

1. Multimedia

multimedia is a technique that incorporates

- * text
- * graphics
- * sound
- * animations and
- * video elements.

2. Types of video compression:-

⇒ lossless compression

⇒ lossy compression.

3. Interactive multimedia:-

⇒ multimedia applications that allows users to actively participate instead of just sitting by as passive recipients of information are called interactive multimedia.

4. uses of multimedia;

⇒ multimedia is heavily used in the entertainment industry, especially to develop special effects in movies and animation for cartoon characters.

⇒ some video games also use multimedia features.

5. Image format:

- * GIF Files
- * JPG files
- * Animated gif files
- * Mac view files
- * Png.

PART - B:

11. Using system;

using system collections. Generic;

using system. Ding;

using system. text;

Console.WriteLine ("Exponent from:
The minimum of decimal ", "Data
type is : {0:E} ",
decimal.MinValue);

Console.WriteLine ("Exponent from: The
minimum Range of float " + "Data
type is : {0:E} ", single.
minvalue);

= 10
Console.ReadLine();
}
}
}

12. using system;
Public class program
{
Static void main()
{
int age;
Console.WriteLine ("enter the Age");
age = int.Parse (Console.ReadLine());
bool adult = age >= 18? true : false;
Console.Read();
}

```
namespace Max datatype
```

```
{
```

```
class Program.
```

```
{
```

```
static void main (String[] args)
```

```
{
```

```
Console.WriteLine ("The minimum range of the  
decimal data "+ "Type is: {0}",  
decimal.MinValue);
```

```
Console.WriteLine ("The minimum range of the  
float data "+ "Type is: {0}",  
Single.MinValue);
```

```
Console.WriteLine ("The minimum range of  
the decimal data "+ "Type is: {0}",  
Double.MinValue);
```


Multimedia Design and Development

Assessment - II

PART - A.

ROOBIGA.R

III - year

CSE

09-11-23

46
50

1. Multimedia

Multimedia is a technique that incorporates

- * text
- * graphics
- * sound
- * animations and
- * video elements

2. Types of video compression

- ⇒ lossless compression
- ⇒ lossy compression.

3. Interactive multimedia

⇒ Multimedia applications that allows users to actively participate instead of just sitting by as passive recipients of information are called interactive multimedia.

4. Uses of multimedia.

- ⇒ Multimedia is heavily used in the entertainment industry, especially to develop special effects in movies and animation for cartoon characters.
- ⇒ Some video games also use multimedia features.

5. Image format
- * GIF files
 - * JPG files
 - * Animated GIF files
 - * MPEG files
 - * Shockwave files
 - * NV View files
 - * JPEG

6. MIDI

MIDI format or the Musical Instrument digital Interface is one that is commonly used for transferring music information between electronic music devices like synthesizers and sound cards in computers.

7. warping:

The technique of distorting a single image to represent something else is known as warping.

8. AVI format

⇒ Audio Video Interleave or AVI format was developed by Microsoft in 1992.

⇒ It is supported by all windows operating system and by most of the popular web browsers.

9. video files:

* Video files tend to be very heavy, several elements such as frame rate, image size, and color depth determine the size of these files.

* It can differ, to reduce the file size to acceptable levels.

10. GIF.

⇒ GIF (graphic Interchange Format) is limited to an 8-bit palette.

⇒ GIF is best suited for storing simple graphic images with relatively few colors.

⇒ GIF is still used extensively on the Internet and multimedia applications because of the great reservoir of GIF images available and support for animation.

PART - B

11. using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

namespace maxdatatype

{

class Program

{

static void main(string[] args)

{

Console.WriteLine("The minimum range of the decimal data" +

"Type is : {0}", Decimal.MinValue);

Console.WriteLine("The minimum range of the Float data" +

"Type is : {0}", Single.MinValue);

Console.WriteLine("The minimum range of the decimal data" + "Type is : {0}", Double.MinValue);

console.WriteLine("Exponent Form: The minimum Range
of Decimal", "Data Type is: {0:E}",

Decimal.MinValue);
console.WriteLine("Exponent Form: The minimum Range
of Float" + "Data Type is: {0:E}",
Single.MinValue);

console.ReadLine();

}

}

}

12. using System
using System.Collections.Generic;
using System.Text;
namespace program

{

class program

{

static void main(string[] args)

{

int Num1, Num2, result;

char option;

console.WriteLine("Enter the First Number:");

Num1 = Convert.ToInt32(console.ReadLine());

console.WriteLine("Enter the Second Number:");

Num2 = Convert.ToInt32(console.ReadLine());

console.WriteLine("Main Menu");

console.WriteLine("1. Addition");

console.WriteLine("2. Subtraction");

console.WriteLine("3. Multiplication");

console.WriteLine("4. Division");

console.WriteLine("Enter the operation you want to
perform:");


```
option = Convert.ToChar(Console.ReadLine());
```

```
Switch (option)
```

```
{
```

```
Case '1':
```

```
    result = Num1 + Num2;
```

```
    Console.WriteLine("The result of Addition is :  
                        {0}", result);
```

```
    break;
```

```
Case '2':
```

```
    result = Num1 - Num2;
```

```
    Console.WriteLine("The result of sub is : {0}", result);
```

```
    break;
```

```
Case '3':
```

```
    result = Num1 * Num2;
```

```
    Console.WriteLine("The result of mul is : {0}",  
                      result);
```

```
    break;
```

```
Case '4':
```

```
    result = Num1 / Num2;
```

```
    Console.WriteLine("The result of div is : {0}",  
                      result);
```

```
    break;
```

```
}
```

```
Console.ReadLine();
```

```
}
```

```
}
```


13. using System;

Public class program

{

static void main()

{

int age;

Console.WriteLine("Enter the Age");

age = int.Parse(Console.ReadLine());

bool adult = age >= 18 ? true : false;

Console.WriteLine("Adult : {0}", adult);

Console.Read();

}

}

Academic Year 2023-24(ODD Semester)
Department of Computer Science and Engineering
AC301 – Multimedia Design and Development

Assessment II Mark statement

III CSE

Total Strength: 66

S.N o.	Reg.No	Name of the student	Marks (50)
1.	821121104001	AAKASH S	30
2.	821121104002	AANDAL S A	32
3.	821121104003	AARTHI S	41
4.	821121104004	ANEES PRIYANKA V	48
5.	821121104005	ARAVIND S	42
6.	821121104006	ARUL B	39
7.	821121104007	ASHOK KUMAR K	35
8.	821121104008	ASMA S	26
9.	821121104009	BHARATHI P A	24
10.	821121104011	DHANUSHRAJ D	23
11.	821121104012	DHARANI R	24
12.	821121104013	DHEVADHARSHINI M	28
13.	821121104014	GAYATHIRI S	31
14.	821121104015	GOWRISHANGARI R	38
15.	821121104016	HARIHARAN K	32
16.	821121104017	HARIHARAN S	AB
17.	821121104018	HARINI V	25
18.	821121104019	HARI PRASATH S	36
19.	821121104020	INDRANI M	24
20.	821121104021	JANARTHANAN P	38
21.	821121104022	JEEVA R	32
22.	821121104023	JEEVESH P S	AB
23.	821121104024	JOHARA KANI S	48
24.	821121104025	KARTHIK V	42
25.	821121104026	KEERTHANA J	41
26.	821121104027	KUMARESAN K P	46
27.	821121104028	MAHESHWARI D	42
28.	821121104029	MANIBHARATHI V S	39
29.	821121104030	MANOJ M	26
30.	821121104031	MATHESH KRISHNAN M	28
31.	821121104032	MOHAMED ASICK A	33
32.	821121104033	MOHAMED GANI M	32
33.	821121104034	MOHAMMED ALI K	39
34.	821121104035	MONESHWARAN S	27
35.	821121104036	MURUGANANTHAM P	28
36.	821121104037	MURUGESHWARI A	26
37.	821121104038	NANDHAKUMAR P	25
38.	821121104039	NAVEEN G	24
39.	821121104040	NITHYASHRI B M	23
40.	821121104041	NOORA K M	26
41.	821121104042	PRAGATHI V	27
42.	821121104043	PRAKASH M	38

43.	821121104044	PRASANNA R	31
44.	821121104045	RAHUL S	32
45.	821121104046	ROOBIGA R	46
46.	821121104047	ROOHI SHIFA M	48
47.	821121104048	SARAVANAN K	41
48.	821121104049	SATHYA A	41
49.	821121104050	SHALINI K	40
50.	821121104051	SHARMIKA R	39
51.	821121104052	SHASHANK S	29
52.	821121104053	SIVADHARANI M	41
53.	821121104054	SOWMIYA P J	42
54.	821121104055	SRIRAM R	45
55.	821121104056	SUJITH V	44
56.	821121104057	SURENDRAN V	43
57.	821121104058	VASANTHKUMAR K	39
58.	821121104059	VENKATESH B	32
59.	821121104060	VISHAL K	31
60.	821121104301	GOVINDHAVASAN.K	AB
61.	821121104302	KANNA.N	31
62.	821121104303	KISHORE.B	28
63.	821121104305	YUVARAJ CHINNAIYA.	30
64.		ASHVITHA D	30
65.		LINGESH R S	AB
66.		SRIKANTH S	31
No of Students Present			62
No of Students Absent			04
Staff Signature			8. Puj
HOD Sign			1 K. cella 22/12/23

8. Puj
22/12/23
Staff In-Charge

K. cella
7 HOD/CSE 22/12/23

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ACADEMIC YEAR 2022- 23 ODD SEMESTER

AC301 – Multimedia Design and Development- REPORT

Course Details

Name of the course	Duration of the course	Target Group	Faculty Instructor	Start Date
Multimedia Design and Development	30 Hrs	III	Mrs.S.Puvaneshwari Mrs.R.Sugantha Lakshmi	29.07.2023

1. OBJECTIVE

To make the students

- Develop proficiency in Adobe Photoshop, Premiere Pro, and After Effects, which you need to know for most design-related jobs
- Use the multimedia items you create during class as portfolio pieces upon completion
- Jump-start your career in the world of multimedia design

2. COURSE COVERAGE

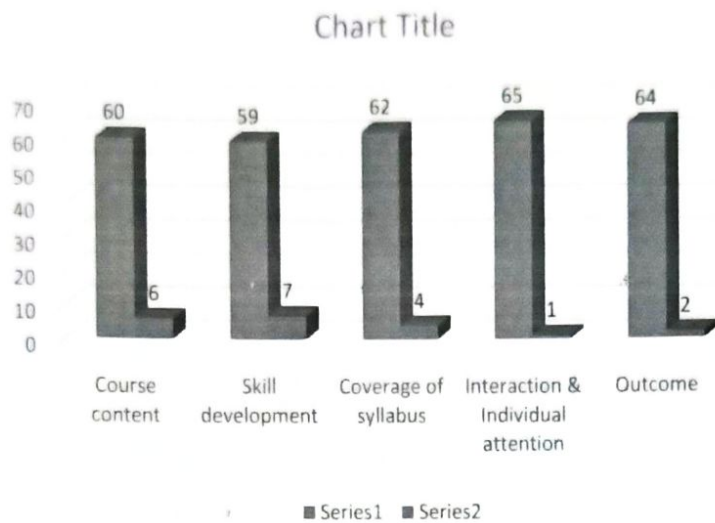
The course provided the students with

- enabling multimedia technologies and multimedia design issues
- interactive 2D and 3D computer animation
- multimedia object modelling and rendering
- multimedia scripting programming
- post-production and delivery of multimedia applications.

3. FEEDBACK

Total Strength: 66

S.No	Criteria	Rating			
		Excellent	Very good	Good	Satisfactory
1.	Course content	60	6		
2.	Skill development	59	07		
3.	Coverage of syllabus	62	04		
4.	Interaction & Individual attention	65	1		
5.	Outcome	64	02		
Other suggestions					



OUTCOME

The students are able to

- identifying the functions and skills of a multimedia team
- defining project goals and target audience
- utilizing information architecture and user experience design principles
- evaluating projects to determine deliverables and resource needs.

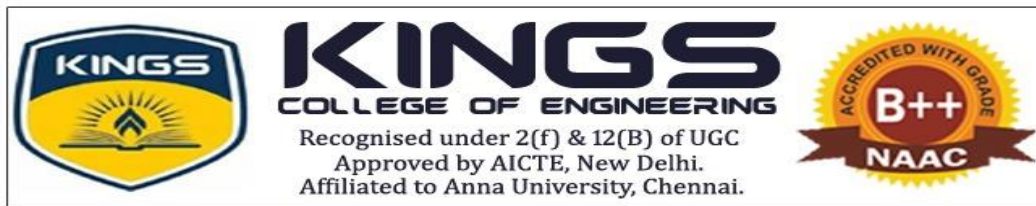
1. S. Puri
27/1/24

2. S. Puri
27/1/24

COURSE COORDINATOR(s)

K. Chellu
HOD/CSE 27/1/24

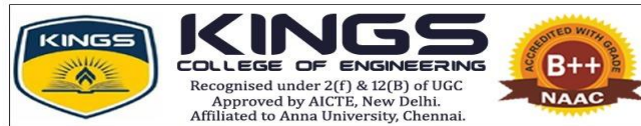
S. Puri
27/1/24



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

**ACADEMIC YEAR
2023 – 2024 ODD SEMESTER**

AC401- Data Science

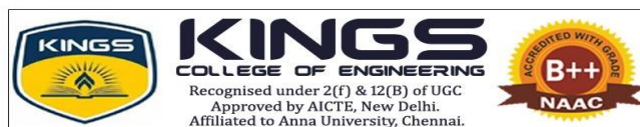


DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

AC401 – DATA SCIENCE

YEAR / SEM: IV / VI

BATCH: 2020 - 2024



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2023 – 2024 ODD SEMESTER

AC401 – DATA SCIENCE

SYLLABUS

Unit-I Data Science Fundamentals

6

Introduction- Real-world applications-Key pillars of data science –Data Scientist roles & responsibilities –Skills required – Data Scientist VS Data Engineer VS Data analyst – Data Science Process

Unit-II Foundational skills

6

Mathematics knowledge – Programming (Python / R) – Packages – Big data concepts and applications – Data types – Data wrangling and cleaning

Unit III Exploratory data analysis

6

Visual Aids for EDA-Data transformation techniques-merging database, reshaping and pivoting, Transformation techniques - Grouping Datasets - data aggregation – Pivot tables and cross-tabulations-Importing Matplotlib – Simple line plots – Simple scatter plots – visualizing errors – density and contour plots – Histograms

Unit-IV Analysis techniques

6

Univariate – Bi variate – Multi variate – Time series analysis

Unit-V Analysis and Reporting

6

Explore the features of Power BI Desktop , Prepare & Load data, Develop the data model Perform DAX calculations , Design a report, . Create a dashboard and perform data analysis, Presentation of a case study

TOTAL: 30 PERIODS

K. Abhirami
S. Kannan
6/7/23
Subject Incharge
(Dr.K.Abhirami & Dr.S.Kannan)

K. Abhirami
6/7/23
HOD/CSE (i/c)



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ACADEMIC YEAR 2023 – 2024 ODD SEMESTER

COURSE PLAN

Sub. Code	: AC401 Branch / Year / Sem: B.E CSE / IV / VI		
Sub.Name	: Multimedia Design & Development	Batch	: 2020-2024
Staff Name	: Dr.K.Abhirami & Dr.S.Kannan	Academic Year	: 2023-24 (ODD)

COURSE OBJECTIVE

1. To enhance the skill set of students in data science.
2. To introduce different modules, components and datasets used for prediction .
3. To learn how the Big Data works (Hadoop, Spark).
4. To learn how to Math & Stats (Probability, Calculus, Linear Algebra)
5. To learn the concept of Data Visualization & Communication

S.No	Contents	Teaching Methodology	No of Hrs Required	Cumulative No of Hrs
Unit – I Data Science Fundamentals 6				
1.	Introduction	PPT	1	1
2.	Real-world applications	Demo / Hands on	1	2
3.	Key pillars of data science	Demo / Hands on	1	3
4.	Data Scientist roles & responsibilities Skills required	Demo / Hands on	1	4
5.	Data Scientist VS Data Engineer VS Data analyst	Demo / Hands on	1	5
6.	Data Science Process	Demo / Hands on	1	6
Unit – II Foundational skills 6				
7.	Mathematics knowledge	PPT	1	7
8.	Programming (Python / R)	Demo / Hands on	1	8
9.	Packages	Demo / Hands on	1	9
10.	Big data concepts and applications	Demo / Hands on	1	10
11.	Data types	Demo / Hands on	1	11
12.	Data wrangling and cleaning	Demo / Hands on	1	12
Unit – III Exploratory data analysis 6				
13.	Visual Aids for EDA	PPT	1	13
14.	Data transformation techniques	Demo / Hands on	1	14
15.	merging database, reshaping and pivoting, Transformation techniques	Demo / Hands on	1	15
16.	Grouping Datasets - data aggregation	Demo / Hands on	1	16
17.	Pivot tables and cross-tabulations- Importing Matplotlib-Simple line	Demo / Hands on	1	17

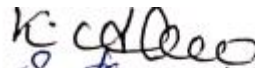
	plots – Simple scatter plots – visualizing errors			
18.	density and contour plots – Histograms	Demo / Hands on	1	18

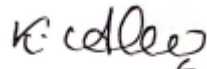
S.No	Contents	Teaching Methodology	No of Hrs Required	Cumulative No of Hrs
Unit – IV Analysis techniques6				
19.	Univariate	Demo / Hands on	2	20
20.	Bi variate	Demo / Hands on	2	22
21.	Multi variate	Demo / Hands on	1	23
22.	Time series analysis	Demo / Hands on	1	24
Unit – V Analysis and Reporting6				
23.	Explore the features of Power BI Desktop	PPT	1	25
24.	Prepare & Load data	Demo / Hands on	1	26
25.	Develop the data model Perform DAX calculations	Demo / Hands on	1	27
26.	Design a report	Demo / Hands on	1	28
27.	Create a dashboard and perform data analysis	Demo / Hands on	1	29
28.	Presentation of a case study	Demo / Hands on	1	30

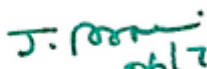
COURSE OUTCOME

At the end of the course, the students will be able to

- Develop, train, and evaluate machine learning models for various tasks (classification, regression, clustering, etc.).
- Apply appropriate algorithms and techniques to solve real-world problems.
- Analyze, interpret, and visualize data using statistical methods and programming tools.
- Identify patterns, trends, and insights from complex datasets.


 Prepared by 6/7/23
 (Dr.K.Abhirami & Dr.S.Kannan)


 7 Verified by 6/7/23
 (HOD/CSE)


 06/7/2023
 PRINCIPAL
 (Approved by)



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ACADEMIC YEAR 2023-2024 (ODD SEMESTER)
AC401- "DATA SCIENCE"- IV Year

Name List

Sl No	Reg.No	Student Name/ Date	Roll No	Reg.No	Student Name/ Date	Roll No	Reg.No	Student Name/ Date
1	821120104001	AASHA J	30	821120104030	MUHILAN E	59	821120104059	VASINYA M
2	821120104002	AJAY S	31	821120104031	MURUGARAJ M	60	821120104060	VICHITHRA V
3	821120104003	ARUNOTHAYA A C	32	821120104032	NANDHINI S	61	821120104061	VIJAY S
4	821120104004	ASHWIN V	33	821120104033	NARESH KUMAR N	62	821120104062	VINTHIYA M
5	821120104005	ATCHAYA R V	34	821120104034	NITHISH S	63	821120104063	YOKESHWARI P
6	821120104006	BALAMURUGAN M	35	821120104035	NIVETHA S	64	821120104301	RAJESH KANNAI
7	821120104007	BARATHRAJ R	36	821120104036	PARKAVI D	65	821120104302	RISHI KUMAR R
8	821120104008	BHAVATHARANI V	37	821120104037	PRAKASH A	66	821120104701	SELVAPRIYA A
9	821120104009	BOOMIKA R	38	821120104038	PRIYARANI.B	67	821120104702	THASEEN AKBA
10	821120104010	DEEPAK KUMAR D	39	821120104039	RAGUL SANKAR J			
11	821120104011	DEEPAN S	40	821120104040	RAJKUMAR K			
12	821120104012	DEEPIKA K	41	821120104041	REENA S			
13	821120104013	DINESH S	42	821120104042	SAFREENBANU S			
14	821120104014	DINESHKUMAR R	43	821120104043	SANTHOSH KUMAR G			
15	821120104015	ELAMARAN S	44	821120104044	SARVESH S			
16	821120104016	ESWAR S	45	821120104045	SATHYA A			
17	821120104017	GAYATHRI M	46	821120104046	SATHYA R			
18	821120104018	GEETHA I	47	821120104047	SIVA M			
19	821120104019	GUHAN D	48	821120104048	SNEGA S			
20	821120104020	HARISH B	49	821120104049	SNEHA E			
21	821120104021	JAYAVANI K	50	821120104050	SNEHA P(23/5)			
22	821120104022	JENO VINNARASI A	51	821120104051	SNEKA P(19/6)			
23	821120104023	KARTHIKA M	52	821120104052	SURIYAPRAKASH M			
24	821120104024	KAYALVIZHI K	53	821120104053	SURUTHIGA C			
25	821120104025	KEERTHIGA S	54	821120104054	THIRUMURUGAN K			
26	821120104026	KRISHNAKUMAR G	55	821120104055	THIRUMURUGAN S			
27	821120104027	LAVANYA J	56	821120104056	VANATHI G			
28	821120104028	MAHALAKSHMI V	57	821120104057	VARSHA N N			
29	821120104029	MOHAMED SAMEER S	58	821120104058	VASANTH M			

K. V. S. 27/7/23
Staff In-Charge

K. V. S. 27/7/23
HOD/CSE



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

TIME TABLE (JULY 2023 - NOVEMBER 2023, ODD SEM)

B.E - CSE (Reg. 2017) - With Effect from 27.7.23 - Tentative Last Working Day - 17.11.23

Batch:2020-2024

Year: IV

Semester: VII

Class Room : 225

Strength:

Block

Session	1	2	10.45 am - 11.00 am	3	4	12.30 pm - 01.10 pm	5	6	02.40 pm - 02.50 pm	7	8	
Day	09.15am - 10.00am	10.00am - 10.45am		11.00am - 11.45am	11.45am - 12.30pm		01.10pm - 01.55pm	01.55pm - 02.40pm		02.50pm - 03.35pm	03.35pm - 04.20pm	
MON	MG8591	CS8792	BREAK	OME752	CS8073/ GE8071	LUNCH BREAK	CS8791	T&P(SS)	BREAK	OME752	CS8073/ GE8071	
TUE	CS8792	CS8791		CS8073/ GE8071	CS8791		MG8591	OME752		SPORTS		
WED	OME752	CS8073/ GE8071		CS8792	T&P(A)		CS8711			CS8711		
THU	NM			NM			NM					
FRI	IT8761			IT8761			CS8792	MG8591		CS8792	CS8791	
SAT	CS8791	CS8073/ GE8071		MG8591	Lib/Net		AC401			AC401	NPTEL	

SUB CODE	NAME OF THE SUBJECT	CATEGORY	CREDITS	NAME OF THE STAFF	DEPT	PERIODS/WEEK
TUTORIAL (T), ELECTIVE (E)						
MG8591	Principles of Management	HS	3	Dr.B.Barankumar	MGMT	4
CS8792	Cryptography and Network Security	PC	3	Mr.S.Rajarajan	CSE	5
CS8791	Cloud Computing	PC	3	Ms.B.Sangeetha	CSE	5
OME752	Supply Chain Management	OE	3(OE2)	Ms.R.Suganthalakshmi	CSE	4
NM	Professional Readiness for Innovation Employability and Entrepreneurship	PE	3(PE2)	Mr.S.Rajarajan	CSE	8
CS8073	C# and .Net Programming	PE	3(PE3)	Ms.N.Dhamayandhi	CSE	5
GE8071	Disaster Management	PE	3(PE3)	Mr.B.Sureshbabu	MGMT	5
PRACTICAL						
CS8711	Cloud Computing Laboratory	PC	2	Ms.B.Sangeetha	CSE	4
IT8761	Security Laboratory	PC	2	Dr.S.Kannan	CSE	4
VALUE ADDITION INITIATIVES (VAI)						
AC401	Addon Course - "Data Science"	VAI	Dr.K.Abhirami,Dr.S.Kannan	CSE	3	
LIB/NET	Library / Internet	VAI	Ms.B.Sangeetha Ms.Sugantha Lakshmi Ms.N.Dhamayandhi	CSE	1	
NPTEL	NPTEL Swayam Courses	VAI	Ms.B.Sangeetha	CSE	1	
SPORTS	Sports (Odd Week - Sports(I) - Girls & Sports(O)- Boys)	VAI	Mr.S.Rajarajan Ms.B.Bavithra	CSE	2	
T&P (A)	Training & Placement - Aptitude	VAI	Ms.P.Suganya	T&P	1	
T&P(SS)	Training & Placement - Softskill	VAI	Dr.B.Sureshbabu		1	
CLASS CO-ORDINATOR			NAME OF THE REPRESENTATIVES			ROLL NO
Ms.B.Sangeetha			Ashwin.V, Parkavi.D			4&36
CLASS COMMITTEE CHAIR PERSON			Ms.D.Mangalambigai			

DEPT. TTC

HOD

PRINCIPAL



KINGS
COLLEGE OF ENGINEERING
Recognized under 2(F) & 12(B) of UGC
Approved by AICTE, New Delhi
Affiliated to Anna University, Chennai



N.N. Varsha
IV - year
16-9-23

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Academic Year 2023-24 ODD SEMESTER

Add-on course on "DATA SCIENCE" - IV Year

Assessment-I (50 Marks)

1. What is data science primarily concerned with?
☒ a) Analyzing and interpreting data
☐ b) Collecting data only
☐ c) Storing data in database mentioned above
2. Which of the following is one of the key data science skills?
☐ a) Data Visualization
☐ b) Machine Learning
☐ c) Statistics
☒ d) All of the mentioned
3. Which of the following is NOT a type of machine learning?
☒ a) Computational learning
☐ b) Reinforcement learning
☐ c) Unsupervised learning
☐ d) Supervised learning
4. Which of the following characteristic of big data is relatively more concerned to data science?
☐ a) Volume
☐ b) Velocity
☒ c) Variety
☐ d) None of the mentioned
5. Which of the following is a good way of performing experiments in data science?
☐ a) Generalize to the problem
☐ b) Have Replication
☐ c) Measure variability
☒ d) All of the mentioned
6. What does the term "feature engineering" refer to in data science?
☒ a) The process of transforming raw data into meaningful features
☐ b) The process of gathering more data
☐ c) The process of applying machine learning algorithms
☐ d) The process of splitting data into training and testing sets
7. Which of the following is the most important language for Data Science?
☒ a) R
☐ b) Java
☐ c) Ruby
☐ d) None of the mentioned
8. What is the role of processing code in the research pipeline?
☐ a) Transforms the analytical results into figures and tables
☒ b) Transforms the measured data into analytic data
☐ c) Transforms the analytic data into measured data
☐ d) All of the mentioned
9. Which of the following is a common method for data preprocessing?
☒ a) Data normalization
☐ b) Data storage
☐ c) Data aggregation
☐ d) Data visualization
10. Which of the following is the top most important thing in data science?
☒ a) data
☐ b) question
☐ c) answer
☐ d) none of the mentioned
11. In supervised learning, which of the following is required?
☒ a) Labeled data
☐ b) Only numerical data
☐ c) Unlabeled data
☐ d) Only categorical data
12. What is the purpose of using the 'train-test split' method?
☒ a) To evaluate the performance of a machine learning model
☐ b) To clean the data
☐ c) To visualize the data
☐ d) To reduce the dimensionality of the data
13. What technique is commonly used in data science for making predictions?
☐ a) Data cleaning
☐ b) Data Storage
☒ c) Machine Learning
☐ d) Data Encoding
14. Which of the following tools is widely used for data visualization in data science?
☐ a) Tableau
☐ b) Excel
☐ c) SQL
☒ d) All of the mentioned
15. What type of data is considered unstructured?
☐ a) Data in relational databases
☐ b) Data in spreadsheets
☐ c) Data in CSV files
☒ d) Text documents and images
16. Which of the following statements about big data is true?
☒ a) Big data refers to extremely large datasets that may be analyzed computationally.
☐ b) Big data is always structured data.

- c) Big data can only be processed in real-time.
d) Big data is irrelevant in data science.
17. Which of the following is performed by Data Scientist?
a) Challenge results
b) Create reproducible code
c) Define the question
☒ d) All of the mentioned
18. Which of the following is characteristic of Processed Data?
a) Data is not ready for analysis
☒ b) All steps should be noted
c) Hard to use for data analysis
d) None of the mentioned
19. Which of the following approach should be used to ask Data Analysis question?
a) Find out the answer from the dataset without asking a question
☒ b) Find out the question which is to be answered
c) Find only one solution for a particular problem
d) None of the mentioned
20. Which of the following is not a step in data analysis?
a) Obtain the data
b) Clean the data
c) EDA
☒ d) None of the mentioned
21. Which of the following technique comes under practical machine learning?
a) Bagging
☒ b) Boosting
c) Forecasting
d) None of the mentioned
22. Which of the following uses data on some object to predict values for another object?
☒ a) Predictive
b) Exploratory
c) Inferential
d) None of the mentioned
23. Which of the following step is performed by data scientist after acquiring the data?
a) Data Integration
b) Data Replication
☒ c) Data Cleansing
d) All of the mentioned
24. Which of the following is commonly referred to as 'data fishing'?
☒ a) Data dredging
b) Data bagging
c) Data merging
d) Data booting
25. Which of the following is characteristic of Raw Data?
a) Data is ready for analysis
☒ b) Original version of data
c) Easy to use for data analysis
d) None of the mentioned

K. S. Srinivasan 18/09/23
Staff Incharge

K. S. Srinivasan 18/09/23
, HOD/CSE

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
Academic Year 2023-24 ODD SEMESTER
Add-on course on "DATA SCIENCE"- IV Year

Assessment-I (50 Marks)

Deepan. S.

16/9/23

21
25

1. What is data science primarily concerned with?
 a) ☒ Analyzing and interpreting data
 b) Collecting data only
 c) Storing data in database mentioned above
2. Which of the following is one of the key data science skills?
 a) Data Visualization
 b) Machine Learning
 c) Statistics
 d) ☒ All of the mentioned
3. Which of the following is NOT a type of machine learning?
 a) ☒ Computational learning
 b) Reinforcement learning
 c) Unsupervised learning
 d) Supervised learning
4. Which of the following characteristic of big data is relatively more concerned to data science?
 a) Volume
 b) ☒ Velocity
 c) Variety
 d) None of the mentioned
5. Which of the following is a good way of performing experiments in data science?
 a) Generalize to the problem
 b) Have Replication
 c) Measure variability
 d) ☒ All of the mentioned
6. What does the term "feature engineering" refer to in data science?
 a) ☒ The process of transforming raw data into meaningful features
 b) The process of gathering more data
 c) The process of applying machine learning algorithms
 d) The process of splitting data into training and testing sets
7. Which of the following is the most important language for Data Science?
 a) ☒ R
 b) Java
 c) Ruby
 d) None of the mentioned
8. What is the role of processing code in the research pipeline?
 a) Transforms the analytical results into figures and tables
 b) ☒ Transforms the measured data into analytic data
 c) Transforms the analytic data into measured data
 d) All of the mentioned
9. Which of the following is a common method for data preprocessing?
 a) Data normalization
 b) Data storage
 c) ☒ Data aggregation
 d) Data visualization
10. Which of the following is the top most important thing in data science?
 a) data
 b) ☒ question
 c) answer
 d) none of the mentioned
11. In supervised learning, which of the following is required?
 a) ☒ Labeled data
 b) Only numerical data
 c) Unlabeled data
 d) Only categorical data
12. What is the purpose of using the 'train-test split' method?
 a) ☒ To evaluate the performance of a machine learning model
 b) To clean the data
 c) To visualize the data
 d) To reduce the dimensionality of the data
13. What technique is commonly used in data science for making predictions?
 a) Data cleaning
 b) Data Storage
 c) ☒ Machine Learning
 d) Data Encoding
14. Which of the following tools is widely used for data visualization in data science?
 a) Tableau
 b) Excel
 c) SQL
 d) ☒ All of the mentioned
15. What type of data is considered unstructured?
 a) Data in relational databases
 b) Data in spreadsheets
 c) Data in CSV files
 d) ☒ Text documents and images
16. Which of the following statements about big data is true?
 a) ☒ Big data refers to extremely large datasets that may be analyzed computationally.
 b) Big data is always structured data.

- c) Big data can only be processed in real-time.
d) Big data is irrelevant in data science.
17. Which of the following is performed by Data Scientist?
a) Challenge results
b) Create reproducible code
c) Define the question
d) All of the mentioned
18. Which of the following is characteristic of Processed Data?
a) Data is not ready for analysis
b) All steps should be noted
c) Hard to use for data analysis
d) None of the mentioned
19. Which of the following approach should be used to ask Data Analysis question?
a) Find out the answer from the dataset without asking a question
b) Find out the question which is to be answered
c) Find only one solution for a particular problem
d) None of the mentioned
20. Which of the following is not a step in data analysis?
a) Obtain the data
b) Clean the data
c) EDA
d) None of the mentioned
21. Which of the following technique comes under practical machine learning?
a) Bagging
b) Boosting
c) Forecasting
d) None of the mentioned
22. Which of the following uses data on some object to predict values for another object?
a) Predictive
b) Exploratory
c) Inferential
d) None of the mentioned
23. Which of the following step is performed by data scientist after acquiring the data?
a) Data Integration
b) Data Replication
c) Data Cleansing
d) All of the mentioned
24. Which of the following is commonly referred to as 'data fishing'?
a) Data dredging
b) Data bagging
c) Data merging
d) Data booting
25. Which of the following is characteristic of Raw Data?
a) Data is ready for analysis
b) Original version of data
c) Easy to use for data analysis
d) None of the mentioned

K. Allee
18/11/23
Staff Incharge

K. Allee
18/11/23
HOD/CSE

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ACADEMIC YEAR 2023-2024 (ODD SEMESTER)
AC401- DATA SCIENCE- IV Year

Assessment- I Marks statement

Roll No	Reg.No	Student Name/ Date	Marks
1	821120104001	AASHA J	20
2	821120104002	AJAY S	21
3	821120104003	ARUNOTHAYA A C	23
4	821120104004	ASHWIN V	24
5	821120104005	ATCHAYA R V	21
6	821120104006	BALAMURUGAN M	AB
7	821120104007	BARATHRAJ R	AB
8	821120104008	BHAVATHARANI V	20
9	821120104009	BOOMIKA R	19
10	821120104010	DEEPAK KUMAR D	18
11	821120104011	DEEPAN S	21
12	821120104012	DEEPIKA K	20
13	821120104013	DINESH S	AB
14	821120104014	DINESHKUMAR R	AB
15	821120104015	ELAMARAN S	AB
16	821120104016	ESWAR S	15
17	821120104017	GAYATHRI M	12
18	821120104018	GEETHA I	AB
19	821120104019	GUHAN D	AB
20	821120104020	HARISH B	AB
21	821120104021	JAYAVANI K	AB
22	821120104022	JENO VINNARASI A	22
23	821120104023	KARTHIKA M	23
24	821120104024	KAYALVIZHI K	22
25	821120104025	KEERTHIGA S	24
26	821120104026	KRISHNAKUMAR G	25
27	821120104027	LAVANYA J	26
28	821120104028	MAHALAKSHMI V	AB
29	821120104029	MOHAMED SAMEER S	28
30	821120104030	MUHILAN E	29
31	821120104031	MURUGARAJ M	20
32	821120104032	NANDHINI S	21

33	821120104033	NARESH KUMAR N	AB
34	821120104034	NITHISH S	23
35	821120104035	NIVETHA S	24
36	821120104036	PARKAVI D	25
37	821120104037	PRAKASH A	AB
38	821120104038	PRIYARANI.B	23
39	821120104039	RAGUL SANKAR J	21
40	821120104040	RAJKUMAR K	AB
41	821120104041	REENA S	21
42	821120104042	SAFREENBANU S	AB
43	821120104043	SANTHOSH KUMAR G	AB
44	821120104044	SARVESH S	AB
45	821120104045	SATHYA A	16
46	821120104046	SATHYA R	17
47	821120104047	SIVA M	18
48	821120104048	SNEGA S	18
49	821120104049	SNEHA E	18
50	821120104050	SNEHA P(23/5)	20
51	821120104051	SNEKA P(19/6)	21
52	821120104052	SURIYAPRAKASH M	22
53	821120104053	SURUTHIGA C	21
54	821120104054	THIRUMURUGAN K	20
55	821120104055	THIRUMURUGAN S	21
56	821120104056	VANATHI G	21
57	821120104057	VARSHA N N	24
58	821120104058	VASANTH M	18
59	821120104059	VASINYA M	18
60	821120104060	VICHITHRA V	10
61	821120104061	VIJAY S	10
62	821120104062	VINTHIYA M	20
63	821120104063	YOKESHWARI P	21
64	821120104301	RAJESH KANNAN C	21
65	821120104302	RISHI KUMAR R	24
66	821120104701	SELVAPRIYA A	25
67	821120104702	THASEEN AKBAR	21
No of Students present			51
No of Students Absent			16

K. Alagappan
Staff In-Charge 19/9/23

K. Alagappan
HOD/CSE 19/9/23

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Academic Year 2023-24 ODD SEMESTER

AC401- "DATA SCIENCE" – IV Year

Assessment-II (50 Marks)

Part – A

1. What is data science?
2. Explain the types of data science.
3. What are the data types are present in data science?
4. Write the features of Power BI desktop.
5. Define Histograms.

Part – B

1. Write a program to work with numpy arrays.
- 2.(i) Write a program to perform array slicing.
(ii) Slicing in numpy with `[[1,2,3],[4,5,6],[7,8,9]]`
3. Write a program for data frame using list.

S. Kumar
Staff Incharge 10/11/2023

K. C. D. D.
1 HOD/CSE 10/11/23

18/11/23

Sneha.P.

821120104050.

Assessment - II

Data Science

32
50

1. working with numpy arrays.

```
import numpy as np
```

```
# creating array object.
```

```
arr = np.array([[1, 2, 3], [4, 2, 5]])
```

```
print("Array is of type :", type(arr))
```

```
print("No. of dimensions :", arr.ndim)
```

```
print("Shape of array :", arr.shape)
```

```
print("Size of array :", arr.size)
```

```
print("Array stores elements of type",  
      arr.dtype).
```

output)-

Array is of type : < class 'numpy.
ndarray'

No. of dimensions : 2.

Shape of array : (2, 3).

Size of array : 6
array stores elements of type : int 32

2. Program to perform Array slicing:

```
a = np.array([[1, 2, 3], [3, 4, 5], [4, 5, 6]])
```

```
print(a)
```

```
print("After slicing")
```

```
print(a[1:])
```

output:

```
[[3, 4, 5], [4, 5, 6]]
```

After slicing

```
[[3, 4, 5], [4, 5, 6]]
```

2 (ii) import numpy as np.

```
a = np.array([[1, 2, 3], [3, 4, 5], [4, 5, 6]])
```

```
print(a)
```

3. Dataframe using list

```
import pandas as pd
```

```
data = {'Name': ['Siva', 'Icumar', 'Prasath',  
                'Ashish', 'Robin', 'Rajan']}
```

'city' : ['puduchottai', 'Thanjavur', 'Pattukkottai',
 'caraikudi', 'mannarkudi', 'Trichy']

'age' : [41, 28, 33, 34, 38, 31, 37],

'py-score' : [88.0, 79.0, 81.0, 80.0, 68.0, 61.0,
 84.0].

}

row-labels = [101, 102, 103, 104, 105, 106, 107]

df = pd.DataFrame(data = data.index)

df.tail(n=2)

df.index

df.columns

df.dtypes

df.memory_usage()

df.iloc[0]

John

df = df.append(John)

df

sample:

index 56

name 56

city 56

age 56.

py-score 56

dtype : int 64.

	name	city	age	py-score.
101	Siva	pudukkottai	41	88.0
102	leumar	Thanjore	28	79.0
103	prasath	pattukkottai	33	81.0.
104	Askoh	kumbakonam	34	80.0
105	Robin	karakkudi	38	68.0.
106	Rajan	manakkudi	31	61.0.
107	Joel	Trichy	37	84.0.
108	Joran	medavakkam	34	79.0.

Part - A:

32
50

1. What is data science and types.

Data science is a multidisciplinary field that uses scientific methods, processes, algorithms, and systems to extract knowledge and insights from structured and unstructured data.

2. Types of Data Science:

1. Business Analytics
2. machine learning.
3. Data mining
4. data visualization.

3. data types :-

1. Numerical data.
2. Categorical data.
3. Statistical data.

4. features of power BI desktop:

Data connectivity

Data modelling

Data visualization.

AI capacities.

5. Histograms

A histogram is a graphical representations. that provides a visual summary.

→ It's particularly useful for understanding how frequently data points fall within specific ranges or intervals.

18/11/2023

DATA SCIENCE
ASSESSMENT - IIN. N. Varsha
IV - year
CSE

PART - B

1. Working with Numpy Arrays.

```
import numpy as np
# creating array object
arr = np.array([1, 2, 3], [4, 2, 5])
Print("Array is of type: ", type(arr))
Print("No. of dimensions: ", arr.ndim)
Print("Shape of array: ", arr.shape)
Print("Size of array: ", arr.size)
Print("Array stores elements of type: ", arr.type)
```

Output

Array is of type: <class numpy.ndarray>

No. of dimensions: 2

Shape of array: (2, 3)

Size of array: 6

Array stores elements of type: int 32

2. Program to Perform Array Slicing:

```
a = np.array([[1, 2, 3], [3, 4, 5], [4, 5, 6]])
Print(a)
Print("After Slicing")
Print(a[1:])
```

Output :

`[1, 2, 3], [4, 5, 6], [7, 8, 9]`

After slicing

`[3, 4, 5], [4, 5, 6]`

2. (ii)

```
a = np. array ([[1, 2, 3], [4, 5, 6]])
```

```
print("Our array is")
```

```
print(a)
```

```
print(a[... , 1])
```

```
print('\n')
```

Output :

`[3, 4, 5]`

`[2, 3]`

`[4 5]`

`[5, 6]`

3. Dataframe using list

```
import pandas as pd
```

```
data = { 'name': ['Siva', 'Kumar', 'Prasath', 'Ashok',  
                'Robin', 'Rajam', 'Joel']
```

```
city : ['Pudukkottai', 'Thanjavur', 'Trichy', 'Karaikudi']
```

```
age : [41, 28, 33, 34, 38, 31, 37]
```

```
}
```

```
row_labels = [101, 102, 103, 104, 105, 106, 107]
```

```
df = pd. Dataframe (data = data, index = row_labels)  
df
```

df.head(n=2)

df.tail(n=2)

df.index

df.columns

df.dtypes

df.memory_usage()

df.iloc

John = pd.Series(data = 'Jovan, 'medavakkam', 34, 79),

Index = df.columns.name = 17) John

John

df = df.append(John)

df.

Output:

Index 56

name 56

city 56

age 56

Py-score 56

dtype: int 64

	name	city	age	Py-score
101	Siva	Puduchottai	41	88.0
102	Keerthi	Thanjav	28	79.0
103	Prasanth	Pattukkottai	33	81.0
104	Ashok	Karaikudi	38	68.0
:	:	:	:	:
17	Jovan	Medavakkam	34	79.0

1. Data Science

Data Science is a multidisciplinary field that uses scientific methods, processes, algorithms and systems to extract knowledge and insights from structured and unstructured data.

2. Types of Data Science :

1. Business Analytics
2. Machine Learning
3. Deep learning
4. Data mining
5. Data visualization

3. Datatypes :

1. Numerical Data
2. Categorical Data
3. Statistical data

4. Features of Power BI desktop

- ✧ Data connectivity
- ✧ Data modeling
- ✧ Data visualization
- ✧ Reporting and sharing
- ✧ AI capabilities

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ACADEMIC YEAR 2023-2024 (ODD SEMESTER)
AC401- DATA SCIENCE - IV Year
Assessment- II Marks statement

Roll No	Reg.No	Student Name/ Date	Marks
1	821120104001	AASHA J	38
2	821120104002	AJAY S	37
3	821120104003	ARUNOTHAYA A C	36
4	821120104004	ASHWIN V	40
5	821120104005	ATCHAYA R V	41
6	821120104006	BALAMURUGAN M	42
7	821120104007	BARATHRAJ R	43
8	821120104008	BHAVATHARANI V	48
9	821120104009	BOOMIKA R	39
10	821120104010	DEEPAK KUMAR D	38
11	821120104011	DEEPAN S	41
12	821120104012	DEEPIKA K	42
13	821120104013	DINESH S	AB
14	821120104014	DINESHKUMAR R	40
15	821120104015	ELAMARAN S	42
16	821120104016	ESWAR S	38
17	821120104017	GAYATHRI M	39
18	821120104018	GEETHA I	40
19	821120104019	GUHAN D	AB
20	821120104020	HARISH B	AB
21	821120104021	JAYAVANI K	29
22	821120104022	JENO VINNARASI A	28
23	821120104023	KARTHIKA M	30
24	821120104024	KAYALVIZHI K	31
25	821120104025	KEERTHIGA S	32
26	821120104026	KRISHNAKUMAR G	36
27	821120104027	LAVANYA J	38
28	821120104028	MAHALAKSHMI V	39
29	821120104029	MOHAMED SAMEER S	40
30	821120104030	MUHILAN E	40
31	821120104031	MURUGARAJ M	41
32	821120104032	NANDHINI S	42

33	821120104033	NARESH KUMAR N	43
34	821120104034	NITHISH S	44
35	821120104035	NIVETHA S	45
36	821120104036	PARKAVI D	48
37	821120104037	PRAKASH A	49
38	821120104038	PRIYARANI.B	45
39	821120104039	RAGUL SANKAR J	31
40	821120104040	RAJKUMAR K	39
41	821120104041	REENA S	38
42	821120104042	SAFREENBANU S	37
43	821120104043	SANTHOSH KUMAR G	36
44	821120104044	SARVESH S	37
45	821120104045	SATHYA A	39
46	821120104046	SATHYA R	40
47	821120104047	SIVA M	38
48	821120104048	SNEGA S	34
49	821120104049	SNEHA E	34
50	821120104050	SNEHA P(23/5)	32
51	821120104051	SNEKA P(19/6)	45
52	821120104052	SURIYAPRAKASH M	44
53	821120104053	SURUTHIGA C	32
54	821120104054	THIRUMURUGAN K	AB
55	821120104055	THIRUMURUGAN S	31
56	821120104056	VANATHI G	32
57	821120104057	VARSHA N N	48
58	821120104058	VASANTH M	AB
59	821120104059	VASINYA M	31
60	821120104060	VICHITHRA V	31
61	821120104061	VIJAY S	AB
62	821120104062	VINTHIYA M	30
63	821120104063	YOKESHWARI P	AB
64	821120104301	RAJESH KANNAN C	29
65	821120104302	RISHI KUMAR R	AB
66	821120104701	SELVAPRIYA A	28
67	821120104702	THASEEN AKBAR	39
No of Students present			59
No of Students Absent			08

K. coll 21/11/23
Staff In-Charge

K. coll 21/11/23
1 HOD/CSE

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ACADEMIC YEAR 2022- 23 EVEN SEMESTER

AC401- DATA SCIENCE - REPORT

Course Details

Name of the course	Duration of the course	Target Group	Faculty Instructor	Start Date
Data science	30 Hrs	IV	Dr.K.Abhirami Dr.S.Kannan	29.07.2024

1. OBJECTIVE

To make the students

- Proficiency with statistical analysis of data
- Ability to build and assess data-based models
- Execution of statistical analyses with professional statistical software
- Skill in data management

2. COURSE COVERAGE

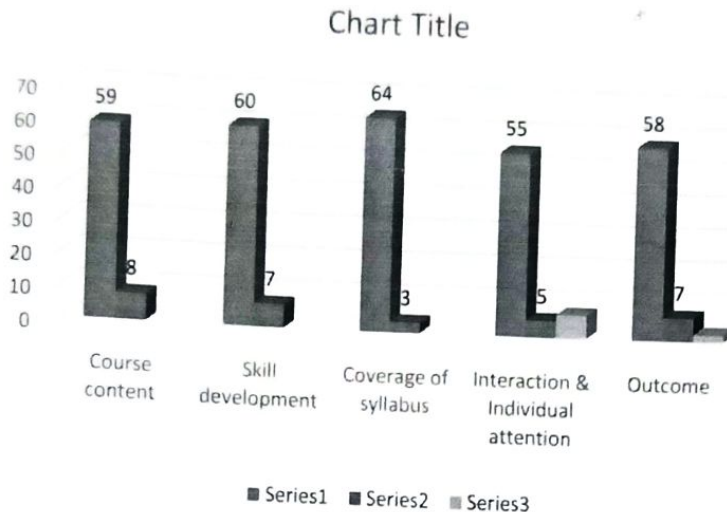
The course provided the students with

- Data Collection and Sources
- Data Cleaning and Transformation
- Feature Engineering and Selection
- Handling Missing Values and Outliers
- Data Visualization and Exploratory Data Analysis (EDA)

3. FEEDBACK

Total Strength: 67

S.No	Criteria	Rating			
		Excellent	Very good	Good	Satisfactory
1.	Course content	59	8		
2.	Skill development	60	07		
3.	Coverage of syllabus	64	03		
4.	Interaction & Individual attention	55	5	7	
5.	Outcome	58	07	02	
Other suggestions					



OUTCOME

The students are able to

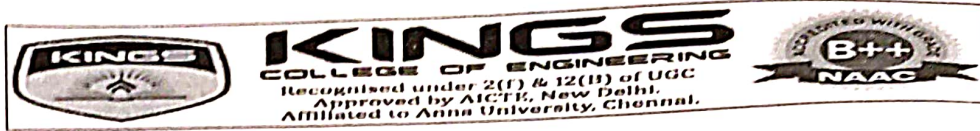
- fitting a model to data.
- Understanding the modern data science landscape and technical terminology for a data-driven world.
- Recognizing major concepts and tools in the field of data science and determining where they can be appropriately applied.
- Appreciating the importance of curating, organizing, and wrangling data.
- Developing relevant programming abilities.

K. [Signature] 27/1/24
COURSE COORDINATOR(S)

K. [Signature] 27/1/24
HOD/CSE

J. [Signature] 27/1/2024

Principal



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2023-24 (ODD)

SWAYAM - NPTEL COURSES



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
Academic Year 2023-24 ODD SEMESTER
CIRCULAR

18.07.23

As a part of curriculum enrichment, our department has planned to offer a SWAYAM- NPTEL courses for II, III, IV year students, through which the students can be exposed to the currently trending domain. Kindly go through the course schedule mentioned below for your reference and from the list you can choose your optional course.

Course Details

Name of the course	Duration of the course	Start Date
Introduction to Industry 4.0 and Industrial IoT	8 weeks	24.07.2023
Introduction to machine Learning	12 weeks	24.07.2023
Programming in Python	12 weeks	20.8.2023

Note

- To be circulated in II,III,IV CSE Whatsapp group
- Copy to Notice board

K. S. Sree
HOD/CSE 18/7/23

H.O.D of Computer Science & Engineering
KINGS COLLEGE OF ENGINEERING
Punalkulam, Gandarvakottai (Tk),
Pudukottai (Dt) - 613 303.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
SWAYAM – Activity Summary
STUDENT DETAIL

S.NO	YEAR	COURSE TITLE	Duration & Period	No. of students Registered	No. of Students completed
1.	III / V	Introduction to Industry 4.0 and Industrial IoT	8 weeks 24 Jul 2023 to 15 Sep 2023	61	61
3.	IV/VII	Introduction to Machine Learning	12 weeks 24 Jul 2023 to 13 Oct 2023	65	65

Online Certification Course– Activity Summary

S.NO	YEAR	COURSE TITLE	No. of students Registered	No. of Students completed
1.	II / III	C++ course	62	62


 18/7/23
STAFF IN-CHARGE


 18/7/23
HOD/CSE

II Year-Certification Course-Sample



22 CSE 07 Archana .s

In recognition of the completion of the tutorial: C++ Course: Learn the Essentials
Following are the learning items, which are covered in this tutorial

91 Video Tutorials 14 Modules 14 Challenges

01 January 2024


Anshuman Singh
Co-founder SCALER



Sandhiya .R

In recognition of the completion of the tutorial: C++ Course: Learn the Essentials
Following are the learning items, which are covered in this tutorial

91 Video Tutorials 14 Modules 14 Challenges

03 January 2024


Anshuman Singh
Co-founder SCALER



22 CSE 30 Kiruthika

In recognition of the completion of the tutorial: C++ Course: Learn the Essentials
Following are the learning items, which are covered in this tutorial

91 Video Tutorials 14 Modules 14 Challenges

02 January 2024


Anshuman Singh
Co-founder SCALER



SriHarini.R

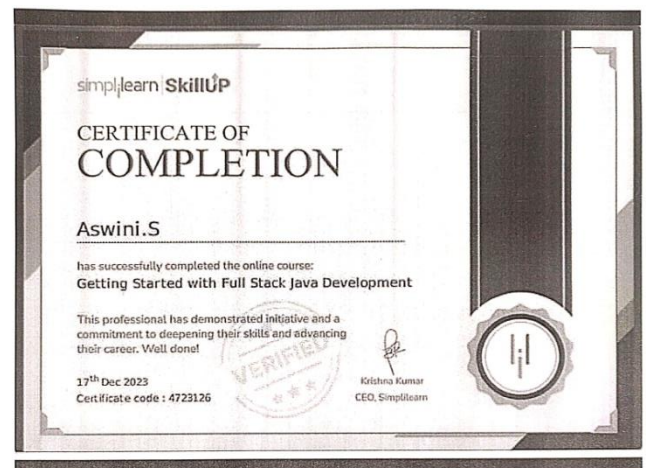
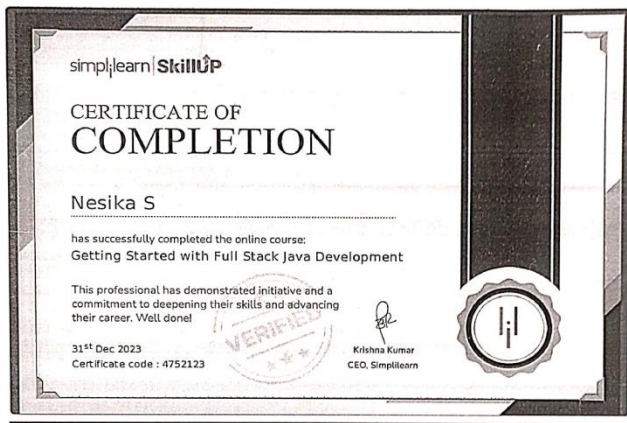
In recognition of the completion of the tutorial: C++ Course: Learn the Essentials
Following are the learning items, which are covered in this tutorial

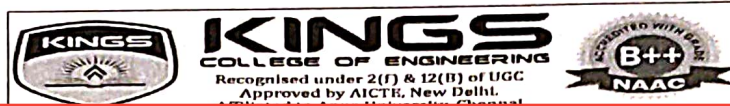
91 Video Tutorials 14 Modules 14 Challenges

28 December 2023


Anshuman Singh
Co-founder SCALER







DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

TIME TABLE (JULY 2023 - NOVEMBER 2023, ODD SEM)

B.E - CSE (Reg. 2021) - With Effect from 24.8.23 - Tentative Last Working Day - 17.11.23

Batch:2021-2025

Strength:63

Year: III

Semester: V

Class Room : 227

Block: II

Year: III			Semester: V			Class Room : 227					
Session	1	2	10.45 am - 11.00 am	3	4	12.30 pm - 01.10 pm	5	6	02.40 pm - 02.50 pm	7	8
Day	09.15am - 10.00am	10.00am - 10.45am		11.00am - 11.45am	11.45am - 12.30pm		01.10pm - 01.55pm	01.55pm - 02.40pm		02.50pm - 03.35pm	03.35pm - 04.20pm
MON	CCW331	CS3501	BREAK	CS3551	T&P(SS)	LUNCH BREAK	CCS335	CB3491	BREAK	CS3591	
TUE	CB3491	CS3591		MX3084	CCW331		CS3501			SPORTS	
WED	CCS335			CS3501	CB3491		MX3084	CS3551		T&P(A)	LIB
THU	NM			NM			NM			NM	
FRI	CS3551	CS3591		CS3501	CCS335		CCW331			CS3551	CB3491
SAT	AC301			CB3491	CCW331		GATE/ CE	CCS335		CS3591	MX3084

SUB CODE	NAME OF THE SUBJECT	CATEGORY	CREDITS	NAME OF THE STAFF	DEPT	PERIODS/WEEK
TUTORIAL (T), ELECTIVE (E), THEORY CUM PRACTICAL (P)						
CS3591	Computer Networks	PCC	4(P)	Ms.M.Kavitha	CSE	5
CS3501	Compiler Design	PCC	4(P)	Ms.D.Mangalambigai	CSE	5
CB3491	Cryptography and Cyber Security	PCC	3	Dr.S.Kannan	CSE	5
CS3551	Distributed Computing	PCC	3	Ms.S.Abikayil Aarthi	CSE	4
CCW331	Business Analytics	PEC	3(PE-1)(P)	Dr.K.Abhirami	CSE	5
CCS335	Cloud Computing	PEC	3(PE-2)(P)	Ms.K.Abinaya	CSE	5
MX3084	Disaster Management	MC	0	Dr.B.Barankumar	MGMT	3
VALUE ADDITION INITIATIVES (VAI)						
AC301	Addon Course- "Multimedia Design & Development"		VAI	Ms.S.Puvaneswari Ms.R.Suganthalakshmi	CSE	2
GATE / CE	GATE / Competitive Exam		VAI	Ms.N.Dhamayandhi / Ms.K.Abinaya	CSE	1
LIB/NET	Library / Internet		VAI	Ms.D.Mangalambigai Ms.S.Abikayil Aarthi Ms.M.Kavitha	CSE	1
NPTEL	NPTEL Swayam Courses		VAI	Ms.D.Mangalambigai	CSE	1
SPORTS	Sports (Odd Week - Sports(I) - Girls & Sports(O)-Boys)		VAI	Mr.S.Rajarajan Ms.B.Bavithra	CSE	2
T&P (A)	Training & Placement - Aptitude		VAI	Dr.B.Barankumar	T&P	1
T&P(SS)	Training & Placement - Softskill		VAI	Dr.K.Sudhakar	T&P	1
CLASS CO-ORDINATOR				NAME OF THE REPRESENTATIVES		ROLL NO
Ms.D.Mangalambigai				Hariharan.K, Dharani.R		15 & 11
CLASS COMMITTEE CHAIR PERSON				Mr.M.Arun		

B. P. V.
DEPT. TTC

K. S. S.
HOD/CSE

J. M. S.
PRINCIPAL



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ACADEMIC YEAR 2023-24 (ODD)
INTRODUCTION TO INDUSTRY 4.0 AND INDUSTRIAL IOT
SYLLABUS

Course Layout:

Week 1 : Introduction: Sensing & actuation, Communication-Part I, Part II, Networking-Part I, Part II

Week 2 : Industry 4.0: Globalization and Emerging Issues, The Fourth Revolution, LEAN Production Systems, Smart and Connected Business Perspective, Smart Factories

Week 3 : Industry 4.0: Cyber Physical Systems and Next Generation Sensors, Collaborative Platform and Product Lifecycle Management, Augmented Reality and Virtual Reality, Artificial Intelligence, Big Data and Advanced Analysis

Week 4 : Cybersecurity in Industry 4.0, Basics of Industrial IoT: Industrial Processes-Part I, Part II, Industrial Sensing & Actuation, Industrial Internet Systems.

Week 5 : IIoT-Introduction, Industrial IoT: Business Model and Reference Architecture: IIoT-Business Models-Part I, Part II, IIoT Reference Architecture-Part I, Part II.

Week 6 : Industrial IoT- Layers: IIoT Sensing-Part I, Part II, IIoT Processing-Part I, Part II, IIoT Communication-Part I.

Week 7 : Industrial IoT- Layers: IIoT Communication-Part II, Part III, IIoT Networking-Part I, Part II, Part III.

Week 8 : Industrial IoT: Big Data Analytics and Software Defined Networks: IIoT Analytics - Introduction, Machine Learning and Data Science - Part I, Part II, R and Julia Programming, Data Management with Hadoop.

Week 9 : Industrial IoT: Big Data Analytics and Software Defined Networks: SDN in IIoT-Part I, Part II, Data Center Networks, Industrial IoT: Security and Fog Computing: Cloud Computing in IIoT-Part I, Part II.

Week 10 : Industrial IoT: Security and Fog Computing - Fog Computing in IIoT, Security in IIoT-Part I, Part II, Industrial IoT- Application Domains: Factories and Assembly Line, Food Industry.

Week 11 : Industrial IoT- Application Domains: Healthcare, Power Plants, Inventory Management & Quality Control, Plant Safety and Security (Including AR and VR safety applications), Facility Management.

Week 12 : Industrial IoT- Application Domains: Oil, chemical and pharmaceutical industry, Applications of UAVs in Industries, Real case studies :

Case study - I : Milk Processing and Packaging Industries

Case study - II: Manufacturing Industries - Part I

Case study - III : Manufacturing Industries - Part II

Case study - IV : Student Projects - Part I

Case study - V : Student Projects - Part II

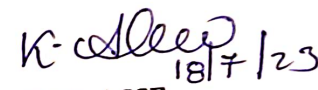
Case study - VI : Virtual Reality Lab

Case study - VII : Steel Technology Lab

Books and references:

"Industry 4.0: The Industrial Internet of Things", by Alasdair Gilchrist (Apress)2.
"Industrial Internet of Things: Cybermanufacturing Systems"by Sabina Jeschke,
Christian Brecher, Houbing Song, Danda B. Rawat (Springer)3. Research papers.


10/07/23
COORDINATOR


18/7/23
1 **HOD / CSE**
H.O.D. Computer Science & Engineering
KINGS COLLEGE OF ENGINEERING
Puhalkulam, Gandarvakottai (Tk).
Pudukottai (Dt) - 613 303.

Indroduction to Industry 4.0 and Industrial IoT



dmareshwar122082004@gmail.com

NPTEL Introduction To Industry 4.0 And Industrial Internet Of Things

[Announcements](#) [About the Course](#) [Ask a Question](#) [Progress](#) [Mentor](#) [Review Assignment](#)

If already registered, click to check your payment status

Date enrolled: 2023-07-13

Email: dmareshwar122082004@gmail.com

Name: Maheshwar D



Course outline

How does an NPTEL online course work?

Week 0

Week 1

Week 2

Week 3

Week 4

Week 5

Week 6

Unit wise Progress

Assessment scores

Announcement:

You are currently receiving course related emails. [Click here to unsubscribe.](#)

Discussion forum:

If you want to unsubscribe from forum [Click here](#)



Progress



Week 1 :	
Assignment 1	67
Week 2 :	
Assignment 2	93
Week 3 :	
Assignment 3	93
Week 4 :	
Assignment 4	93
Week 5 :	
Assignment 5	79
Week 6 :	
Assignment 6	100
Week 7 :	
Assignment 7	100
Week 8 :	
Assignment 8	100
Week 9 :	
Assignment 9	100
Week 10 :	
Assignment 10	100
Week 11 :	
Assignment 11	93
Week 12 :	
Assignment 12	100



Name

Naveen G

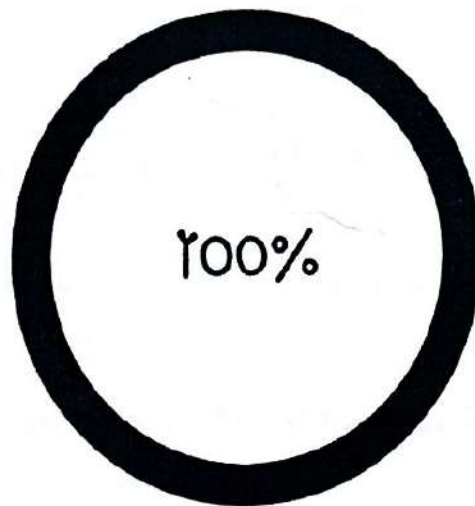
Email

naveen123ond@gmail.com

Date Enrolled

2023-07-13

Course Progress



Unitwise Progress



Your Assessment scores



Subscribe/Unsubscribe (Announcement)

You are currently receiving course-related emails. [Click here to unsubscribe.](#)

If you want to



Your Assessment scores

Week 1 : Assignment 1	67
Week 2 : Assignment 2	93
Week 3 : Assignment 3	67
Week 4 : Assignment 4	73
Week 5 : Assignment 5	79
Week 6 : Assignment 6	93
Week 7 : Assignment 7	100
Week 8 : Assignment 8	80
Week 9 : Assignment 9	87
Week 10 : Assignment 10	100
Week 11 : Assignment 11	87
Week 12 : Assignment 12	100

**NPTEL » Introduction To Industry 4.0 And
Industrial Internet Of Things****Date enrolled** 2023-07-22**Email** diosurya380@gmail.com**Name** Aakash.S

Course Progress

Assessment scores

Week 1 : Assignment 1:	67.0
Week 2 : Assignment 2:	93.0
Week 3 : Assignment 3:	67.0
Week 4 : Assignment 4:	73.0
Week 5 : Assignment 5:	79.0
Week 6 : Assignment 6:	100.0
Week 7 : Assignment 7:	100.0
Week 8 : Assignment 8:	93.0
Week 9 : Assignment 9:	87.0
Week 10 : Assignment 10:	100.0
Week 11 : Assignment 11:	87.0
Week 12 : Assignment 12:	87.0



Progress



Week 2



0%



100%

Week 3



0%



100%

Week 4



0%



100%

Week 5



0%



100%

Week 6



0%



100%

Week 7

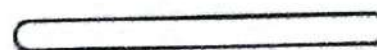


0%



100%

Week 8



0%



100%

Week 9



0%



100%

Week 10



12.5%



0%

Week 11



0%



100%

Week 12



0%



100%



Progress



Name

Saravanan K

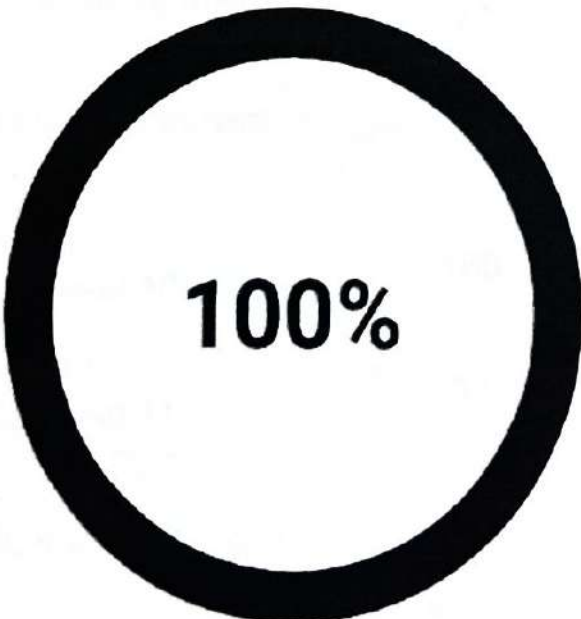
Email

saravanankodi5@gmail.com

Date Enrolled

23-07-2022

Course Progress



100%



Progress



Your Assessment scores

Week 1 : Assignment 1	67
Week 2 : Assignment 2	93
Week 3 : Assignment 3	67
Week 4 : Assignment 4	73
Week 5 : Assignment 5	79
Week 6 : Assignment 6	100
Week 7 : Assignment 7	100
Week 8 : Assignment 8	93
Week 9 : Assignment 9	87
Week 10 : Assignment 10	100
Week 11 : Assignment 11	87
Week 12 : Assignment 12	87

Subscribe/Unsubscribe

You are currently
receiving
course-related

If already registered, click to
check your payment status

Course outline

How does an NPTEL
online course work?

Week 0

Week 1

Week 2

Week 3

Week 4

Week 5

Date enrolled 2023-07-13

Email gowrishangari14@gmail.com

Name Gowrishangari R.

100.0%

Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1:	67.0
Week 2 : Assignment 2:	93.0
Week 3 : Assignment 3:	93.0
Week 4 : Assignment 4:	93.0
Week 5 : Assignment 5:	79.0

Week 1 : Assignment 1	67
Week 2 : Assignment 2	93
Week 3 : Assignment 3	93
Week 4 : Assignment 4	93
Week 5 : Assignment 5	79
Week 6 : Assignment 6	100
Week 7 : Assignment 7	100
Week 8 : Assignment 8	100
Week 9 : Assignment 9	100
Week 10 : Assignment 10	100
Week 11 : Assignment 11	93
Week 12 : Assignment 12	100

If already registered, click to
check your payment status

Date enrolled 2023-07-13

Email sowmiyaga5@gmail.com

Name P. J. Sowmiya



Course Progress

Course outline

How does an NPTEL
online course work?

Week 0

Week 1

Week 2

Week 3

Week 4

Unit wise Progress

Assessment scores

Announcement

You are currently receiving course related emails. [Click here to unsubscribe](#)

Discussion forum

If you want to unsubscribe from forum [Click here](#)



Week 1 :	
Assignment 1	67
Week 2 :	
Assignment 2	93
Week 3 :	
Assignment 3	93
Week 4 :	
Assignment 4	93
Week 5 :	
Assignment 5	79
Week 6 :	
Assignment 6	100
Week 7 :	
Assignment 7	100
Week 8 :	
Assignment 8	100
Week 9 :	
Assignment 9	100
Week 10 :	
Assignment 10	93
Week 11 :	
Assignment 11	93

Week 12 :

If already registered, click to
check your payment status

Date enrolled 2023-07-14
Email amurugeshtwari0411@gmail.com
Name A Murugeshtwari



Course outline

How does an NPTEL
online course work?

Week 0

Week 1

Week 2

Week 3

Week 4

Week 5

Week 6

Week 7

Week 8

Unit wise Progress

Assessment scores

Week 1 : Assignment 1:	67.0
Week 2 : Assignment 2:	93.0
Week 3 : Assignment 3:	93.0
Week 4 : Assignment 4:	93.0
Week 5 : Assignment 5:	79.0
Week 6 : Assignment 6:	100.0
Week 7 : Assignment 7:	100.0
Week 8 : Assignment 8:	100.0

Activate Windows
Go to Settings to activate Windows.



Week 1 : Assignment 1	67
Week 2 : Assignment 2	93
Week 3 : Assignment 3	93
Week 4 : Assignment 4	93
Week 5 : Assignment 5	79
Week 6 : Assignment 6	100
Week 7 : Assignment 7	100
Week 8 : Assignment 8	100
Week 9 : Assignment 9	93
Week 10 : Assignment 10	-
Week 11 : Assignment 11	93
Week 12 : Assignment 12	100

If already registered, click to check your payment status

Course outline

How does an NPTEL online course work?

Week 0

Week 1

Week 2

Week 3

Week 4

Week 5

Week 6

Week 7

Week 8

Date enrolled 2023-07-13

Email sameerashajahan328@gmail.com

Name S.Johara kani



Unit wise Progress

Assessment scores

Week 5 : Assignment 5:	79.0
Week 6 : Assignment 6:	-
Week 7 : Assignment 7:	100.0
Week 8 : Assignment 8:	93.0
Week 9 : Assignment 9:	-
Week 10 : Assignment 10:	-
Week 11 : Assignment 11:	-
Week 12 : Assignment 12:	-

If already registered, click to check your payment status

Date enrolled: 2023-07-13
Email: samcerashajahan328@gmail.com
Name: S.Johara kari



Course outline

How does an NPTEL online course work?

Week 0

Week 1

Week 2

Week 3

Week 4

Week 5

Week 6

Week 7

Week 8

Unit wise Progress

Assessment scores

Week 1 : Assignment 1:	67.0
Week 2 : Assignment 2:	93.0
Week 3 : Assignment 3:	67.0
Week 4 : Assignment 4:	73.0
Week 5 : Assignment 5:	79.0
Week 6 : Assignment 6:	-
Week 7 : Assignment 7:	100.0
Week 8 : Assignment 8:	93.0

Date enrolled 2023-07-13

Email pragathivengadasalam@gmail.com

Name V.pragathi

100%

Course Progress

Unit wise Progress

Assessment scores

Week 5 : Assignment 5:	79.0
Week 6 : Assignment 6:	100.0
Week 7 : Assignment 7:	100.0
Week 8 : Assignment 8:	100.0
Week 9 : Assignment 9:	100.0
Week 10 : Assignment 10:	100.0
Week 11 : Assignment 11:	93.0
Week 12 : Assignment 12:	100.0

Date enrolled 2023-07-13

Email pragathivengadasalam@gmail.com

Name V.pragathi

100%

Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1:	67.0
Week 2 : Assignment 2:	93.0
Week 3 : Assignment 3:	93.0
Week 4 : Assignment 4:	93.0
Week 5 : Assignment 5:	79.0
Week 6 : Assignment 6:	100.0
Week 7 : Assignment 7:	100.0
Week 8 : Assignment 8:	100.0



janajana162004@gmail.com

NPTEL » Introduction To Industry 4.0 And Industrial Internet Of Things

[Announcements](#) [About the Course](#) [Ask a Question](#) **[Progress](#)** [Monitor](#) [Review Assignment](#)

If already registered, click to check your payment status

Date enrolled 2023-07-14
Email janajana162004@gmail.com
Name JANARTHANAN P

100%
Course Progress

Course outline

How does an NPTEL online course work?

Week 0

Week 1

Week 2

Week 3

Week 4

Week 5

Week 6

Week 7

Week 8

Week 9

Week 10

Week 11

Week 12

Download Videos

Unit wise Progress

Assessment scores

Week 1 Assignment 1	67.0
Week 2 Assignment 2	93.0
Week 3 Assignment 3	67.0
Week 4 Assignment 4	-
Week 5 Assignment 5	79.0
Week 6 Assignment 6	100.0
Week 7 Assignment 7	100.0
Week 8 Assignment 8	-
Week 9 Assignment 9	87.0
Week 10 Assignment 10	-
Week 11 Assignment 11	87.0
Week 12 Assignment 12	87.0

Introduction To Industry 4.0 And Industrial Internet Of Things

Announcements

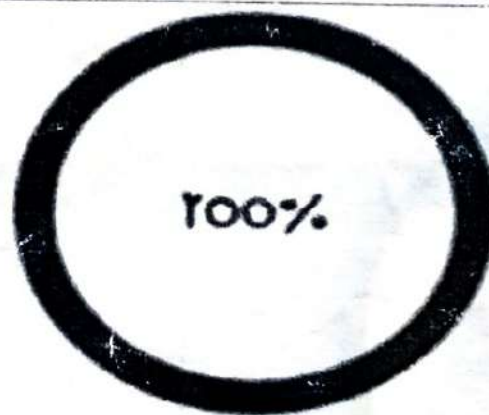
Registered, click to
payment status

Date enrolled 2023-07-14

Email bmnithyashri@gmail.com

outline

Name Nithyashri



Course progress and assessment scores for "Introduction To Industry 4.0 And Industrial Internet Of Things".

Week 5: Text Transcripts (0.0%), Live Interactive Session (0.0%)

Week 6: Text Transcripts (0.0%), Live Interactive Session (0.0%)

Week 7: Text Transcripts (0.0%), Live Interactive Session (0.0%)

Week 8: Text Transcripts (0.0%), Live Interactive Session (0.0%)

Week 9: Text Transcripts (0.0%), Live Interactive Session (0.0%)

Week 10: Text Transcripts (0.0%), Live Interactive Session (0.0%)

Week 11: Text Transcripts (0.0%), Live Interactive Session (0.0%)

Week 12: Text Transcripts (0.0%), Live Interactive Session (0.0%)

Download Videos

Books

Text Transcripts

Live Interactive Session

Assessment scores

Week	Assignment	Score
Week 1	Assignment 1	80.0
Week 2	Assignment 2	47.0
Week 3	Assignment 3	57.0
Week 4	Assignment 4	73.0
Week 5	Assignment 5	79.0
Week 6	Assignment 6	100.0
Week 7	Assignment 7	93.0
Week 8	Assignment 8	93.0

Announcement

You are currently receiving course related emails. Click here to unsubscribe

Discussion forum

If you want to unsubscribe from forum Click here

Week 5	Text Transcripts	0.9%
Week 6	Live Interactive Session	0.0%

Week 7

Week 8

Week 9

Week 10

Week 11

Week 12

Download Videos

Ebooks

Full Transcripts

Live Interactive Session

Assessment scores

Week 5 Assignment 5	79.0
Week 6 Assignment 6	
Week 7 Assignment 7	100.0
Week 8 Assignment 8	93.0
Week 9 Assignment 9	
Week 10 Assignment 10	
Week 11 Assignment 11	
Week 12 Assignment 12	

Announcements
You are currently receiving course related emails. [Click here to unsubscribe](#)

Discussion forum
If you want to unsubscribe from forum [Click here](#)



hanikrish258@gmail.com~

NPTEL > Introduction To Industry 4.0 And Industrial Internet Of Things

[Announcements](#) [About the Course](#) [Ask a Question](#) [Progress](#) [Mentor](#) [Review Assignment](#)

If already registered, click to check your payment status

Date enrolled 2023-07-14
Email hanikrish258@gmail.com
Name HARI PRASATH S

100%
Course Progress

Course outline

How does an NPTEL online course work?

Week 0

Week 1

Week 2

Week 3

Week 4

Week 5

Week 6

Week 7

Week 8

Week 9

Week 10

Week 11

Week 12

Download Videos

Unit wise Progress

Assessment scores

Week 1 Assignment 1	60
Week 2 Assignment 2	93
Week 3 Assignment 3	67.0
Week 4 Assignment 4	73
Week 5 Assignment 5	79.0
Week 6 Assignment 6	100.0
Week 7 Assignment 7	100.0
Week 8 Assignment 8	93.0
Week 9 Assignment 9	-
Week 10 Assignment 10	93.0
Week 11 Assignment 11	87.0
Week 12 Assignment 12	87.0

If already registered, click to
check your payment status

Course outline

How does an NPTEL
online course work?

[Week 0](#)

[Week 1](#)

[Week 2](#)

[Week 3](#)

[Week 4](#)

[Week 5](#)

[Week 6](#)

[Week 7](#)

Date enrolled 2023-07-24

Email dhevadharshinkdheva44@gmail.com

Name Dhevadharshini M



Course Progress

Unit wise Progress

Assessment scores

Announcement:

You are currently receiving course related emails. [Click here to unsubscribe.](#)

Discussion forum:

If you want to unsubscribe from forum [Click here](#)



Progress



Your Assessment scores

Week 1 : Assignment 1	67
Week 2 : Assignment 2	93
Week 3 : Assignment 3	93
Week 4 : Assignment 4	93
Week 5 : Assignment 5	79
Week 6 : Assignment 6	100
Week 7 : Assignment 7	100
Week 8 : Assignment 8	100
Week 9 : Assignment 9	100
Week 10 : Assignment 10	100
Week 11 : Assignment 11	93
Week 12 : Assignment 12	100

Introduction To Industry 4.0 And Industrial Internet Of Things

Name

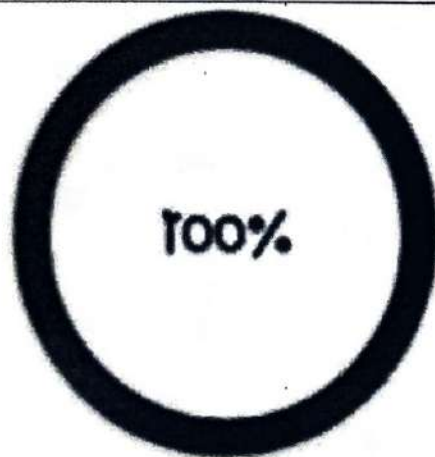
Keerthana J

Email

keerthana200427@gmail.com

Date Enrolled

2023-07-14



Your Assessment scores

Week 1 : Assignment 1	67
Week 2 : Assignment 2	93
Week 3 : Assignment 3	67
Week 4 : Assignment 4	73
Week 5 : Assignment 5	79
Week 6 : Assignment 6	--
Week 7 : Assignment 7	100
Week 8 : Assignment 8	93
Week 9 : Assignment 9	87
Week 10 : Assignment 10	--
Week 11 : Assignment 11	87
Week 12 : Assignment 12	--

Introduction To Industry 4.0 And Industrial Internet Of Things

Name

Aandal

Email

senthilswath
y30@gmail.com

Date Enrolled

2023-07-14





Progress



Week 1 :	
Assignment 1	67
Week 2 :	
Assignment 2	93
Week 3 :	
Assignment 3	93
Week 4 :	
Assignment 4	93
Week 5 :	
Assignment 5	100
Week 6 :	
Assignment 6	87
Week 7 :	
Assignment 7	100
Week 8 :	
Assignment 8	93
Week 9 :	
Assignment 9	--
Week 10 :	
Assignment 10	--
Week 11 :	
Assignment 11	87
Week 12 :	
Assignment 12	--



Progress



Name

Kumaresan K P

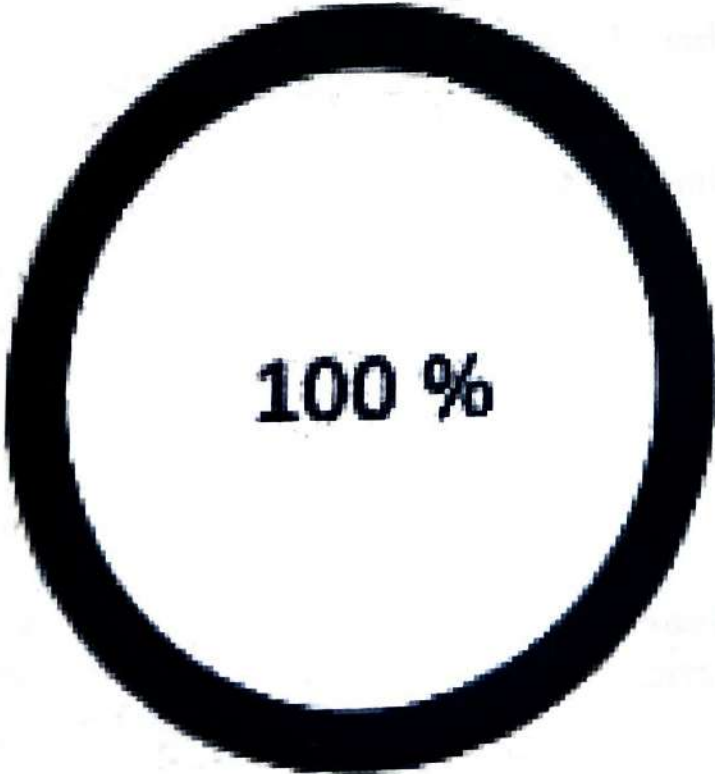
Email

kumaresankp21@gmail.com

Date Enrolled

2023-07-22

Course Progress



100 %


DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
TIME TABLE (JULY 2023 – NOVEMBER 2023, ODD SEM)
B.E – CSE (Reg. 2017) - With Effect from 27.7.23 - Tentative Last Working Day - 17.11.23

Batch:2020-2024

Year: IV

Semester: VII

Class Room : 225

Strength:66

Block: II

Session	1	2	10.45 - 11.00 am	3	4	12.30 pm - 01.10 pm	5	6	02.40 pm - 02.50 pm	7	8
Day	09.15am - 10.00am	10.00am - 10.45am		11.00am - 11.45am	11.45am - 12.30pm		01.10pm - 01.55pm	01.55pm - 02.40pm		02.50pm - 03.35pm	03.35pm - 04.20pm
MON	MG8591	CS8792	BREAK	OME752	CS8073/ GE8071	LUNCH BREAK	CS8791	T&P(SS)	BREAK	OME752	CS8073/ GE8071
TUE	CS8792	CS8791		CS8073/ GE8071	CS8791		MG8591	OME752		SPORTS	
WED	OME752	CS8073/ GE8071		CS8792	T&P(A)		CS8711			CS8711	
THU	NM			NM			NM			NM	
FRI	IT8761			IT8761			CS8792	MG8591		CS8792	CS8791
SAT	CS8791	CS8073/ GE8071		MG8591	Lib/Net		AC401			AC401	NPTEL

SUB CODE	NAME OF THE SUBJECT	CATEGORY	CREDITS	NAME OF THE STAFF	DEPT	PERIODS/WEEK
TUTORIAL (T), ELECTIVE (E)						
MG8591	Principles of Management	HS	3	Dr.B.Barankumar	MGMT	4
CS8792	Cryptography and Network Security	PC	3	Mr.S.Rajarajan	CSE	5
CS8791	Cloud Computing	PC	3	Ms.B.Sangeetha	CSE	5
OME752	Supply Chain Management	OE	3(OE2)	Ms.R.Suganthalakshmi	CSE	4
NM	Professional Readiness for Innovation Employability and Entrepreneurship	PE	3(PE2)	Mr.S.Rajarajan	CSE	8
CS8073	C# and .Net Programming	PE	3(PE3)	Ms.N.Dhamayandhi	CSE	5
GE8071	Disaster Management	PE	3(PE3)	Mr.B.Sureshbabu	MGMT	5
PRACTICAL						
CS8711	Cloud Computing Laboratory	PC	2	Ms.B.Sangeetha	CSE	4
IT8761	Security Laboratory	PC	2	Dr.S.Kannan	CSE	4
VALUE ADDITION INTIATIVES (VAI)						
AC401	Addon Course -“Data Science”		VAI	Dr.K.Abhirami,Dr.S.Kannan	CSE	3
LIB/NET	Library / Internet		VAI	Ms.B.Sangeetha Ms.Sugantha Lakshmi Ms.N.Dhamayandhi	CSE	1
NPTEL	NPTEL Swayam Courses		VAI	Ms.B.Sangeetha	CSE	1
SPORTS	Sports (Odd Week – Sports(I) - Girls & Sports(O)- Boys)		VAI	Mr.S.Kajarajan Ms.B.Bavithra	CSE	2
T&P (A)	Training & Placement - Aptitude		VAI	Ms.P.Suganya	T&P	1
T&P(SS)	Training & Placement - Softskill		VAI	Dr.B.Sureshbabu		1
CLASS CO-ORDINATOR			NAME OF THE REPRESENTATIVES			ROLL NO
Ms.B.Sangeetha			Ashwin.V, Parkavi.D			4&36
CLASS COMMITTEE CHAIR PERSON			Ms.D.Mangalambigai			

 B. P. ...
 DEPT. TTC

 K. ...
 HOD/CSE

 J. ...
 PRINCIPAL

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ACADEMIC YEAR 2023-24 (ODD)
Introduction to Machine Learning
SYLLABUS

Course layout:

Week 0: Probability Theory, Linear Algebra, Convex Optimization - (Recap)

Week 1: Introduction: Statistical Decision Theory - Regression, Classification, Bias Variance

Week 2: Linear Regression, Multivariate Regression, Subset Selection, Shrinkage Methods, Principal Component Regression, Partial Least squares

Week 3: Linear Classification, Logistic Regression, Linear Discriminant Analysis

Week 4: Perceptron, Support Vector Machines

Week 5: Neural Networks - Introduction, Early Models, Perceptron Learning, Backpropagation, Initialization, Training & Validation, Parameter Estimation - MLE, MAP, Bayesian Estimation

Week 6: Decision Trees, Regression Trees, Stopping Criterion & Pruning loss functions, Categorical Attributes, Multiway Splits, Missing Values, Decision Trees - Instability Evaluation Measures

Week 7: Bootstrapping & Cross Validation, Class Evaluation Measures, ROC curve, MDL, Ensemble Methods - Bagging, Committee Machines and Stacking, Boosting

Week 8: Gradient Boosting, Random Forests, Multi-class Classification, Naive Bayes, Bayesian Networks

Week 9: Undirected Graphical Models, HMM, Variable Elimination, Belief Propagation

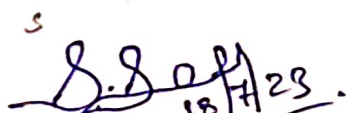
Week 10: Partitional Clustering, Hierarchical Clustering, Birch Algorithm, CURE Algorithm, Density-based Clustering

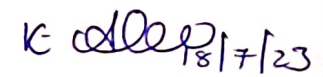
Week 11: Gaussian Mixture Models, Expectation Maximization

Week 12: Learning Theory, Introduction to Reinforcement Learning, Optional videos (RL framework, TD learning, Solution Methods, Applications)

Books and references

1. The Elements of Statistical Learning, by Trevor Hastie, Robert Tibshirani, Jerome H. Friedman (freely available online)
2. Pattern Recognition and Machine Learning, by Christopher Bishop (optional)


COORDINATOR


1
HOD / CSE
KINGS COLLEGE OF ENGINEERING
Punakulam, Gandaivakottai (Tk),
Pudukottai (Dt) - 613 203.

NPTEL » Introduction To Machine Learning



Name

Snega. S

Email

**snegaseethara
man42@gmail.com**

Date Enrolled

2023-05-19

A large black circle with the text "100%" centered inside it, indicating 100% completion.

100%



Week 1: Assignment 1 90

Week 2: Assignment 2 50

Week 3: Assignment 3 70

Week 4: Assignment 4 37

Week 5: Assignment 5 70

Week 6: Assignment 6 79

Week 7: Assignment 7 100

Week 8: Assignment 8 75

Week 9 : Assignment 9 71

Week 10 : Assignment 10 --

Week 11 : Assignment 11 --

Week 12 : Assignment 12 64

Subscribe/Unsubscribe
(Announcement)

You are currently
receiving course-related
emails. **Click here to**



Name

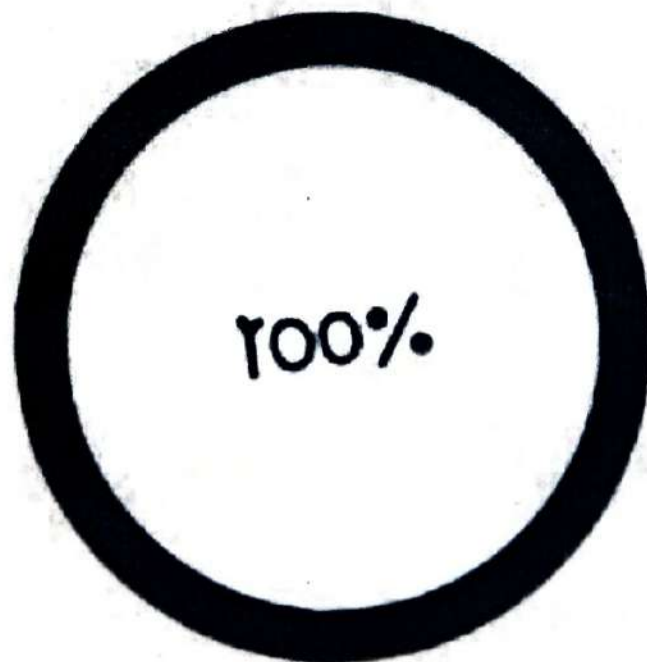
Geetha. I

Email

**geethailangova
n2003@gmail.com**

Date Enrolled

2023-05-18





Progress



Week 1: Assignment 1	90
Week 2: Assignment 2	50
Week 3: Assignment 3	70
Week 4: Assignment 4	42
Week 5: Assignment 5	70
Week 6: Assignment 6	79
Week 7: Assignment 7	100
Week 8: Assignment 8	75
Week 9 : Assignment 9	57
Week 10 : Assignment 10	-
Week 11 : Assignment 11	29
Week 12 : Assignment 12	64



veeratharani1971@gmail.com ▾

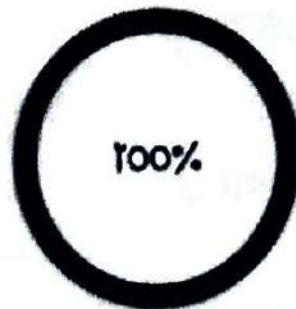
NPTEL » Introduction To Machine Learning



Date enrolled 2023-05-19

Email veeratharani1971@gmail.com

Name Bhavatharani.V



Unit wise Progress

Assessment scores

Announcement:

You are currently receiving course related emails. [Click here to unsubscribe](#)





Week 1: Assignment 1	90
Week 2: Assignment 2	50
Week 3: Assignment 3	70
Week 4: Assignment 4	42
Week 5: Assignment 5	70
Week 6: Assignment 6	79
Week 7: Assignment 7	100
Week 8: Assignment 8	75
Week 9 : Assignment 9	71
Week 10 : Assignment 10	-
Week 11 : Assignment 11	29
Week 12 : Assignment 12	64

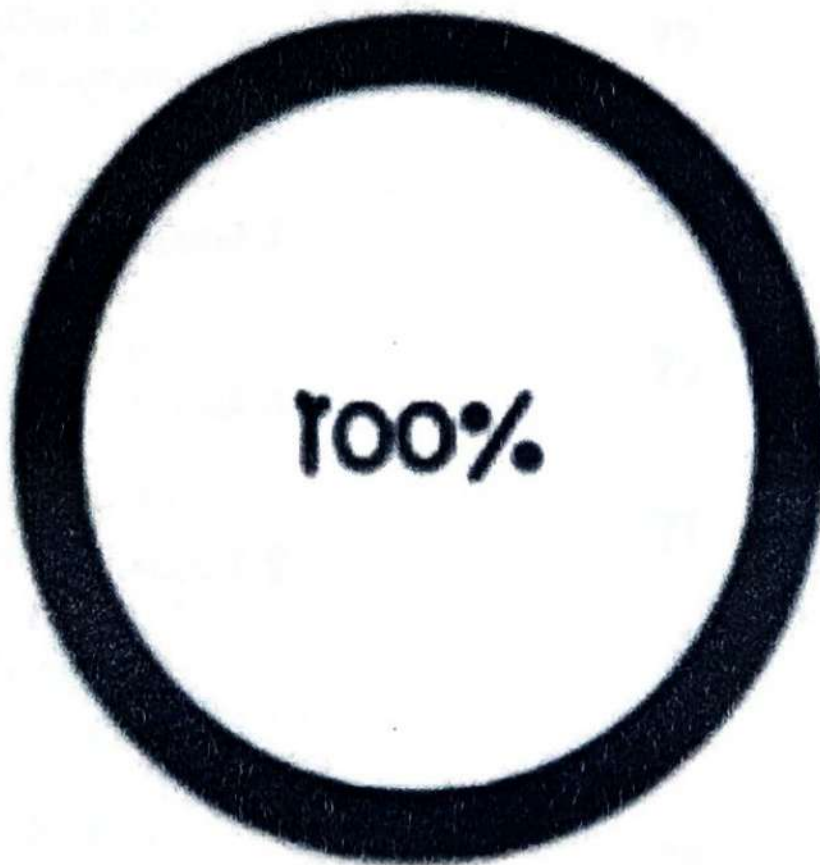
NPTEL » Introduction To Machine Learning



Date enrolled 2023-05-18

Email lavanyajegan338@gmail.com

Name LAVANYA J



Your Assessment scores

Week 1: Assignment 1	90
Week 2: Assignment 2	50
Week 3: Assignment 3	70
Week 4: Assignment 4	42
Week 5: Assignment 5	70
Week 6: Assignment 6	79
Week 7: Assignment 7	100
Week 8: Assignment 8	75
Week 9 : Assignment 9	71
Week 10 : Assignment 10	--
Week 11 : Assignment 11	29
Week 12 : Assignment 12	64

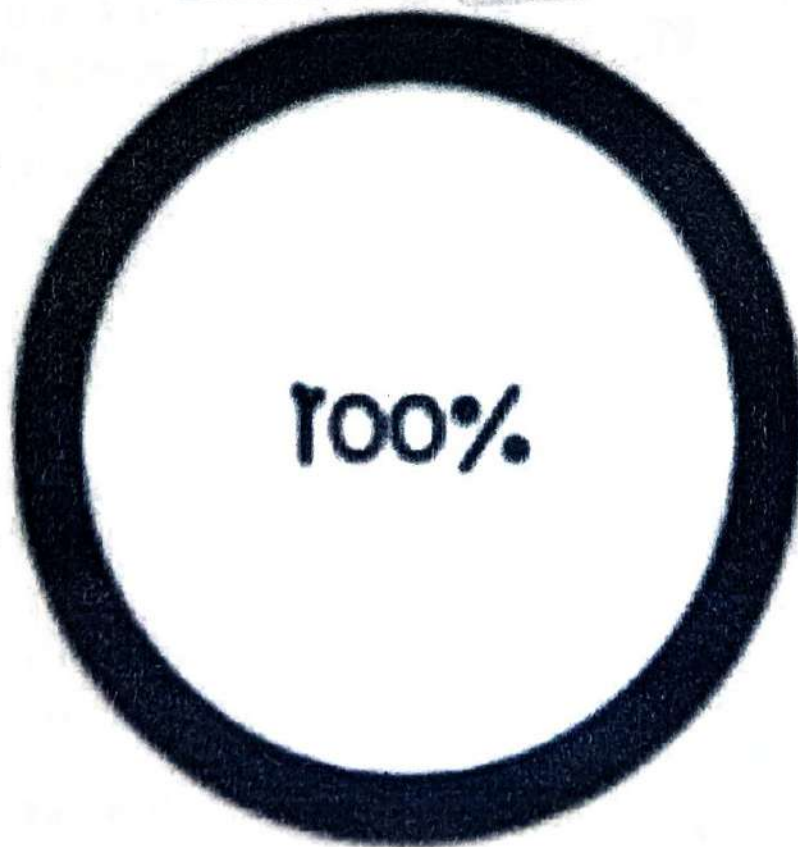
NPTEL » Introduction To Machine Learning



Date enrolled 2023-05-18

Email jenojeno798@gmail.com

Name JENO VINNARASI A



Your Assessment scores

Week 1: Assignment 1	90
Week 2: Assignment 2	50
Week 3: Assignment 3	70
Week 4: Assignment 4	42
Week 5: Assignment 5	70
Week 6: Assignment 6	79
Week 7: Assignment 7	100
Week 8: Assignment 8	75
Week 9 : Assignment 9	71
Week 10 : Assignment 10	—
Week 11 : Assignment 11	29
Week 12 : Assignment 12	64

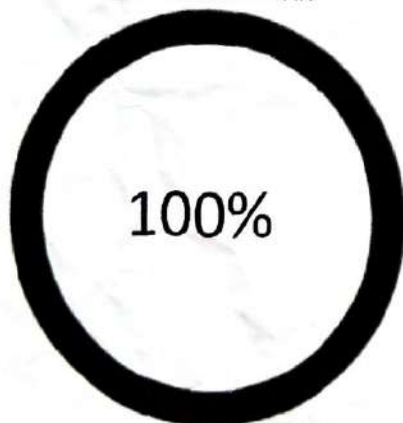
NPTEL » Introduction To Machine Learning



Date enrolled 2023-05-18

Email csethahseenakbar@gmail.com

Name THAHSEEN AKBAR



← Progress



Week 1: Assignment 1	90
Week 2: Assignment 2	50
Week 3: Assignment 3	70
Week 4: Assignment 4	42
Week 5: Assignment 5	70
Week 6: Assignment 6	79
Week 7: Assignment 7	100
Week 8: Assignment 8	75
Week 9 : Assignment 9	71
Week 10 : Assignment 10	-
Week 11 : Assignment 11	29
Week 12 : Assignment 12	64

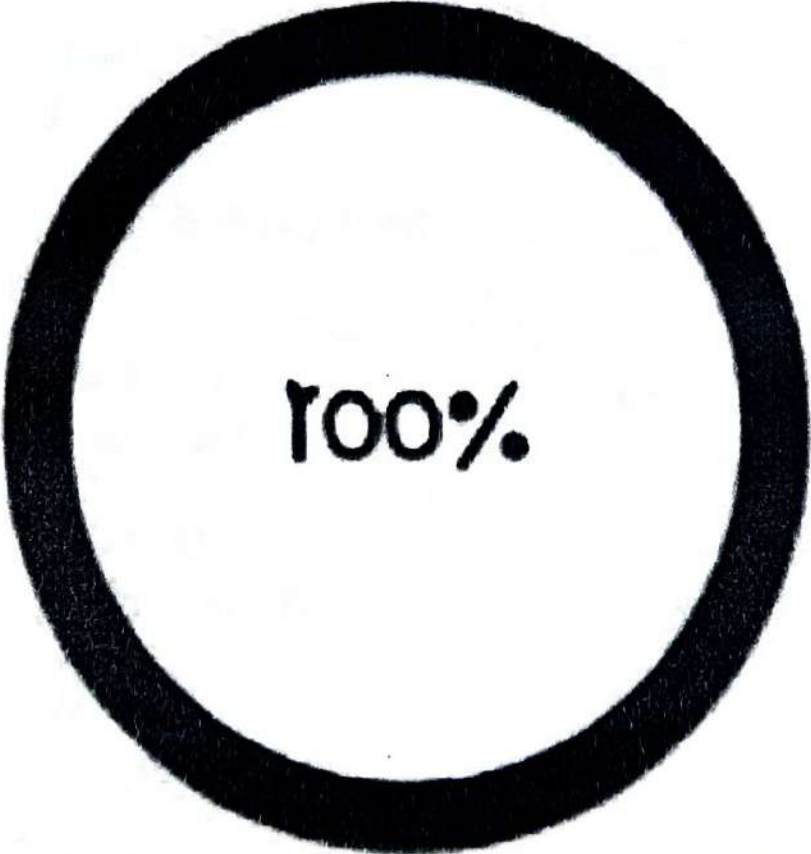
NPTEL » Introduction To Machine Learning



Date enrolled 2023-05-18

Email msp5574655@gmail.com

Name SURIVAPRAKASH M



100%



Week 1: Assignment 1	90
Week 2: Assignment 2	50
Week 3: Assignment 3	70
Week 4: Assignment 4	42
Week 5: Assignment 5	60
Week 6: Assignment 6	79
Week 7: Assignment 7	100
Week 8: Assignment 8	--
Week 9 : Assignment 9	57
Week 10 : Assignment 10	44
Week 11 : Assignment 11	29
Week 12 : Assignment 12	64

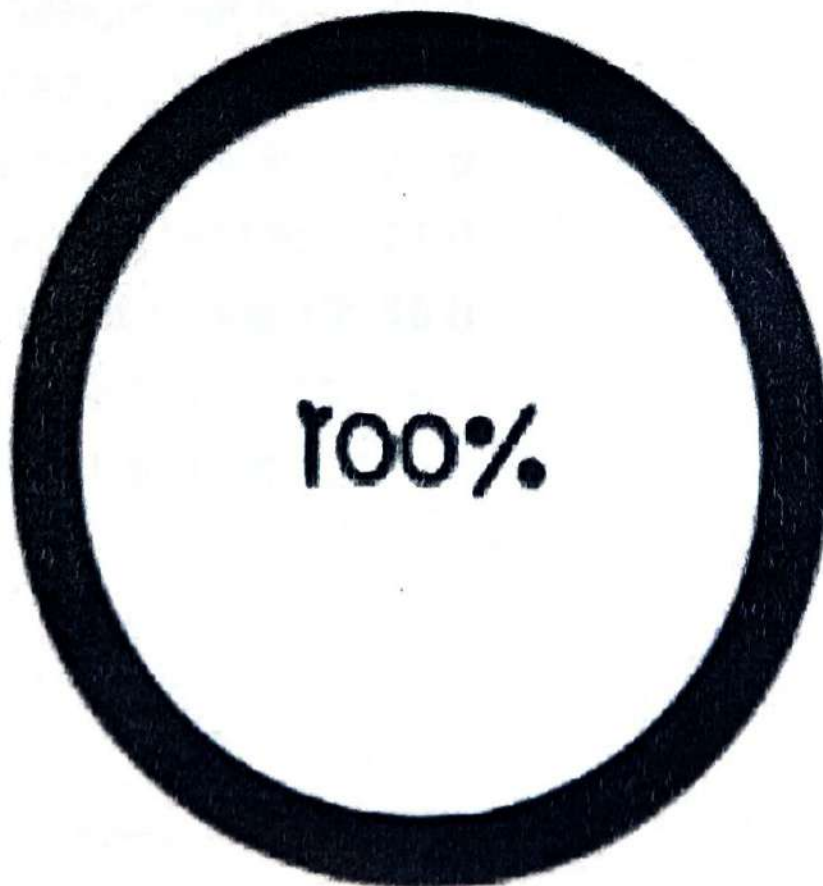
NPTEL » Introduction To Machine Learning



Date enrolled 2023-05-19

Email dk7318813@gmail.com

Name Deepak kumar D



Assessment scores

Week 1: Assignment 1:	82.0
Week 2: Assignment 2:	50.0
Week 3: Assignment 3:	70.0
Week 4: Assignment 4:	42.0
Week 5: Assignment 5:	70.0
Week 6: Assignment 6:	79.0
Week 7: Assignment 7:	100.0
Week 8: Assignment 8:	75.0
Week 9 : Assignment 9:	71.0
Week 10 : Assignment 10:	56.0
Week 11 : Assignment 11:	-
Week 12 : Assignment 12:	-

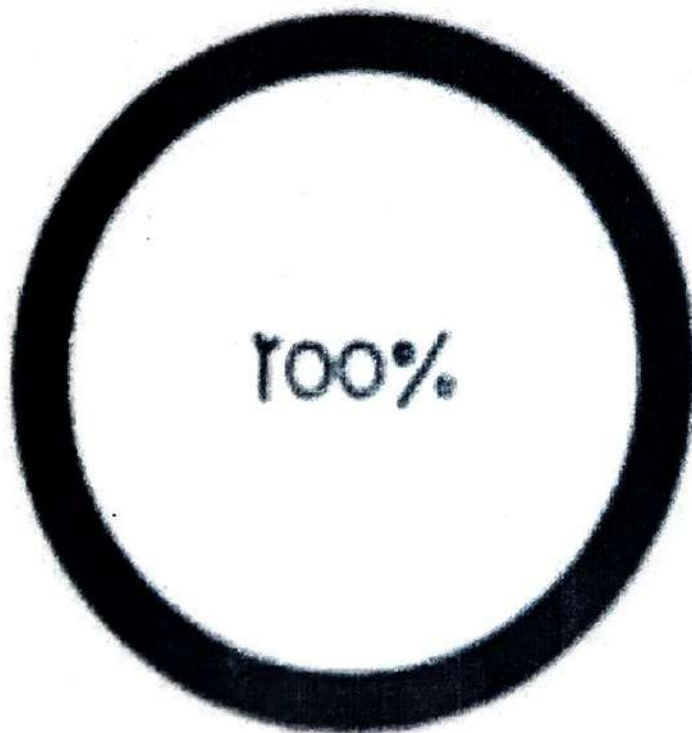
NPTEL » Introduction To Machine Learning



Date enrolled 2023-05-19

Email ajay1459.tn@gmail.com

Name AJAY.S



Your Assessment scores

—

Week 1: Assignment 1	90
Week 2: Assignment 2	50
Week 3: Assignment 3	70
Week 4: Assignment 4	42
Week 5: Assignment 5	70
Week 6: Assignment 6	79
Week 7: Assignment 7	100
Week 8: Assignment 8	75
Week 9 : Assignment 9	71
Week 10 : Assignment 10	44
Week 11 : Assignment 11	29
Week 12 : Assignment 12	—

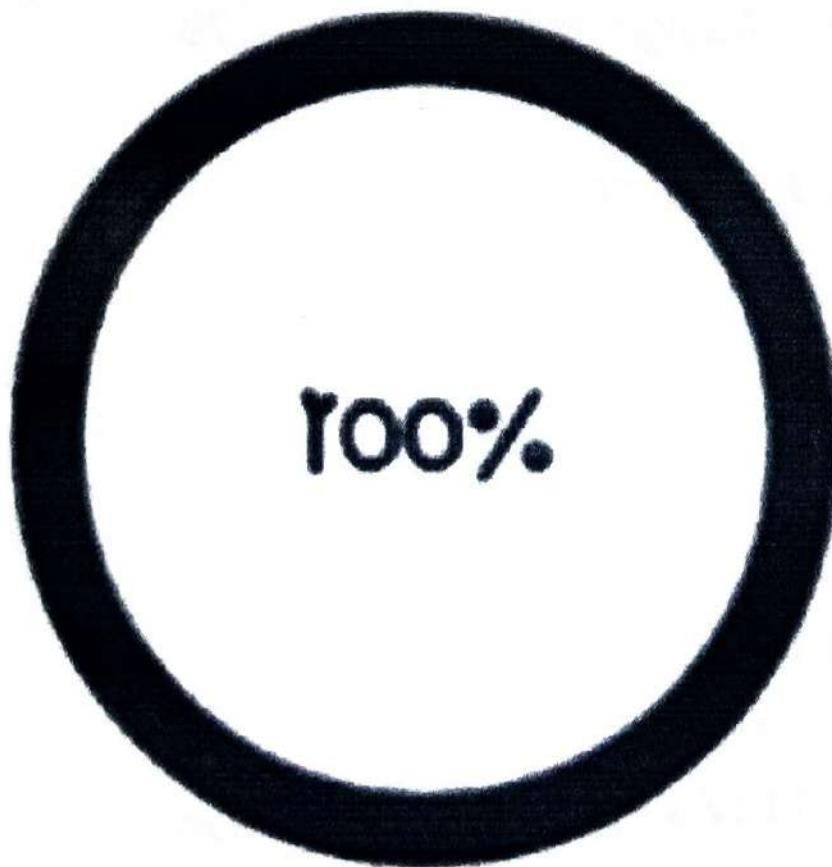
NPTEL » Introduction To Machine Learning



Date enrolled 2023-05-18

Email nandhininirmal051981@gmail.com

Name VARSHA.N.N





Week 1: Assignment 1	90
Week 2: Assignment 2	50
Week 3: Assignment 3	70
Week 4: Assignment 4	42
Week 5: Assignment 5	70
Week 6: Assignment 6	79
Week 7: Assignment 7	100
Week 8: Assignment 8	75
Week 9 : Assignment 9	71
Week 10 : Assignment 10	--
Week 11 : Assignment 11	29
Week 12 : Assignment 12	64

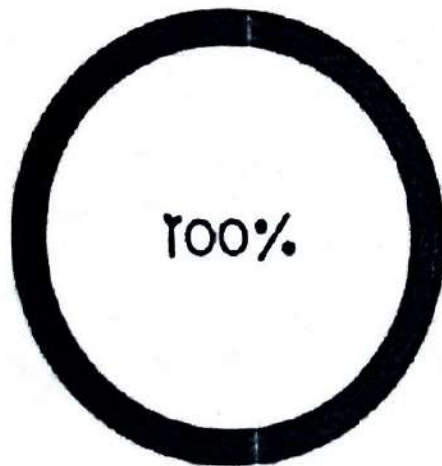
NPTEL » Introduction To Machine Learning



Date enrolled 2023-05-19

Email ratchaya025@gmail.com

Name ATCHAYA.R.V



Course progress

Assessment scores

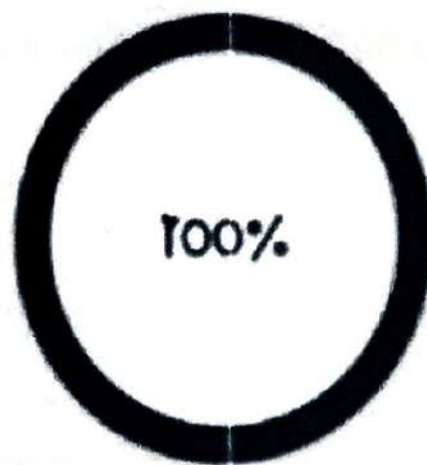
Week 1: Assignment 1:	90.0
Week 2: Assignment 2:	50.0
Week 3: Assignment 3:	60.0
Week 4: Assignment 4:	42.0
Week 5: Assignment 5:	70.0
Week 6: Assignment 6:	79.0
Week 7: Assignment 7:	100.0
Week 8: Assignment 8:	75.0
Week 9 : Assignment 9:	71.0
Week 10 : Assignment 10:	-
Week 11 : Assignment 11:	29.0
Week 12 : Assignment 12:	-



Date enrolled 2023-05-19

Email csarunothayaac@gmail.com

Name A.C.ARUNOTHAYA



Assessment scores

Week 1: Assignment 1:	85.0
Week 2: Assignment 2:	50.0
Week 3: Assignment 3:	70.0
Week 4: Assignment 4:	42.0
Week 5: Assignment 5:	70.0
Week 6: Assignment 6:	79.0
Week 7: Assignment 7:	100.0
Week 8: Assignment 8:	75.0
Week 9 : Assignment 9:	57.0
Week 10 : Assignment 10:	-
Week 11 : Assignment 11:	29.0
Week 12 : Assignment 12:	64.0

NPTEL » Introduction To Machine Learning



Date enrolled 2023-05-19

Email safreenb4@gmail.com

Name S.Safreenbanu

100%
Course Progress



Your Assessment scores

Week 1: Assignment 1 90

Week 2: Assignment 2 50

Week 3: Assignment 3 60

Week 4: Assignment 4 42

Week 5: Assignment 5 70

Week 6: Assignment 6 79

Week 7: Assignment 7 100

Week 8: Assignment 8 75

Week 9 : Assignment 9 71

Week 10 : Assignment 10 -

Week 11 : Assignment 11 29

Week 12 : Assignment 12 64

Name

Sneha.P

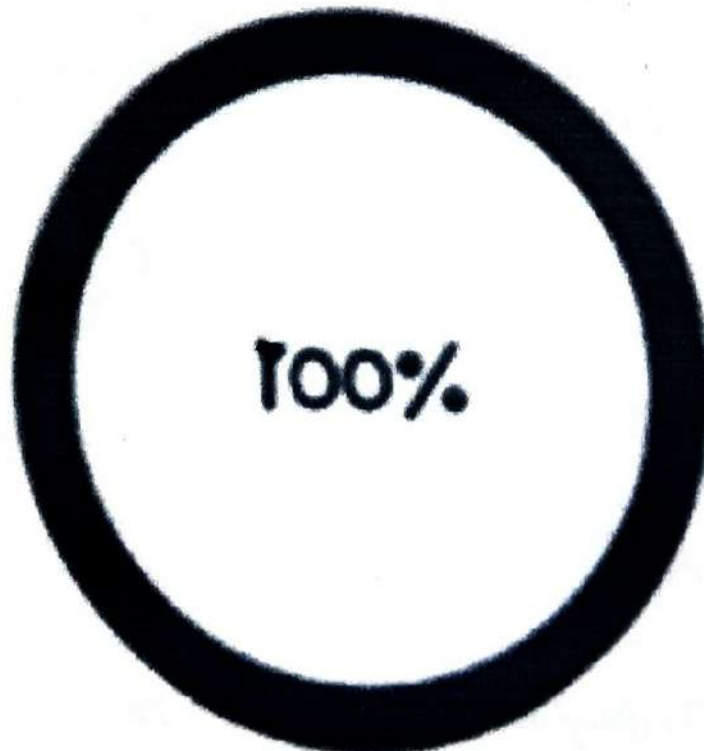
Email

snehakumar2319@gmail
.com

Date Enrolled

2023-05-18

Course Progress



*Your Assessment scores*

Week 1: Assignment 1	90
Week 2: Assignment 2	50
Week 3: Assignment 3	70
Week 4: Assignment 4	42
Week 5: Assignment 5	70
Week 6: Assignment 6	79
Week 7: Assignment 7	100
Week 8: Assignment 8	75
Week 9 : Assignment 9	71
Week 10 : Assignment 10	—
Week 11 : Assignment 11	29
Week 12 : Assignment 12	64

NPTEL » Introduction To Machine Learning



**Date
enrolled** 2023-05-19

Email nandhiniiswaminathan037@gmail.com

Name S.NANDHINI

A large black circle with the text "100%" centered inside it.

100%

Assessment scores

Week 1: Assignment 1:	90.0
Week 2: Assignment 2:	50.0
Week 3: Assignment 3:	70.0
Week 4: Assignment 4:	42.0
Week 5: Assignment 5:	70.0
Week 6: Assignment 6:	79.0
Week 7: Assignment 7:	100.0
Week 8: Assignment 8:	75.0

Week 9 : Assignment 9: 57.0

Week 10 : Assignment 10: -

Week 11 : Assignment 11: 29.0

Week 12 : Assignment 12: 64.0



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2023-24 (EVEN)

SWAYAM - NPTEL COURSES

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Academic Year 2023-24 EVEN SEMESTER

CIRCULAR

10.01.24

As a part of curriculum enrichment, our department has planned to offer a SWAYAM- NPTEL courses for II, III, IV year students, through which the students can be exposed to the currently trending domain. Kindly go through the course schedule mentioned below for your reference and from the list you can choose your optional course.

Course Details

Name of the course	Duration of the course	Start Date
Introduction to Internet of Things	12 weeks	22.01.2024
Data Analytics with python	12 weeks	22.01.2024
Business Intelligence and analytics	12 weeks	22.01.2024
Data Science for engineers	12 weeks	22.01.2024

Note

- To be circulated in II,III,IV CSE Whatsapp group
- Copy to Notice board


 1 HOD/CSE 10/1/24

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
Academic Year 2023-2024 (EVEN SEMESTER)
SWAYAM – Activity Summary

S.NO	YEAR	COURSE TITLE	Duration & Period	Total Students Registered
1.	II / IV	Introduction to Internet of Things	12 weeks Jan 22 2024 April 14 2024	60
2.	III / VI	Data Analytics with Python	12 weeks Jan 22 2024 April 14 2024	64
3.	IV/VIII	Data Science for Engineers	12 weeks Jan 22 2024 April 14 2024	67

- 
CO-ORDINATOR 10/11/24


HOD/CSE 10/11/24



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

TIME TABLE (MARCH 2024 - JUNE 2024, EVEN SEM)

B.E - CSE (Reg. 2021) - With Effect from - 13.03.24 Tentative Last Working Day - 13.06.24

Batch:2022-2026

Year: II

Semester: IV

Class Room : 222

Strength:60

Block: II

Session	1	2	10.45 am - 11.00 am	3	4	12.30 pm - 01.10 pm	5	6	02.40 pm - 02.50 pm	7	8
Day	09.15am - 10.00am	10.00am - 10.45am		11.00am - 11.45am	11.45am - 12.30pm		01.10pm - 01.55pm	01.55pm - 02.40pm		02.50pm - 03.35pm	03.35pm - 04.20pm
MON	CS3452	CS3461	BREAK	CS3461		LUNCH BREAK	CS3491	CS3451	BREAK	CS3492	GE3451
TUE	CS3491	CS3481		CS3481			CS3451	CS3401		CS3452	T&P(A)
WED	CS3492	CS3451		T&P(SS)	GE3451		CS3491			CS3492	CS3452
THU	CS3451	CS3452		CS3491	CS3492		CS3401	CS3451		CS3452	CS3492
FRI	GE3451	CS3492		CS3401			CS3452	LIB		CS3451	CS3401
SAT	CS3401	CS3491		CS3452	CS3451		CS3492	NPTEL		CS3401	SEM

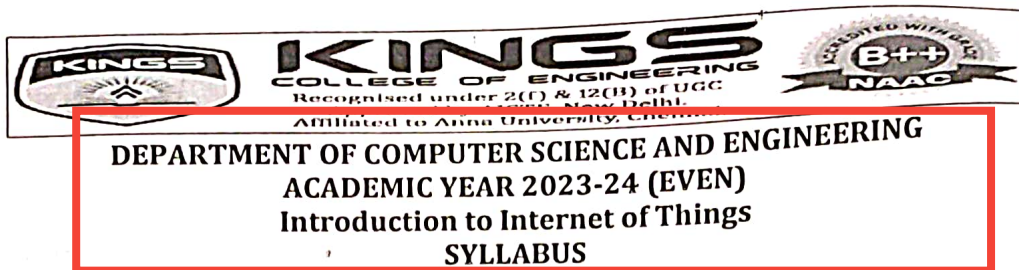
SUB CODE	NAME OF THE SUBJECT	CATEGORY	CREDITS	NAME OF THE STAFF	DEPT	PERIODS/WEEK
TUTORIAL (T), ELECTIVE (E), THEORY CUM PRACTICAL (P)						
CS3452	Theory of Computation	PCC	3	Ms.S.Puvaneswari	CSE	7
CS3491	Artificial Intelligence and Machine Learning	PCC	4(P)	Ms.N.Dhamayandhi	CSE	6
CS3492	Database Management Systems	PCC	3	Mr.M.Arun	CSE	7
CS3401	Algorithms	PCC	4(P)	Ms.M.Kavitha	CSE	7
CS3451	Introduction to Operating Systems	PCC	3	Dr.S.Kannan	CSE	7
GE3451	Environmental Sciences and Sustainability	BSC	2	Dr.P.Saravanan	CHE	3
PRACTICAL						
CS3461	Operating Systems Laboratory	PCC	1.5	Dr.S.Kannan & Ms.M.Kavitha	CSE	3
CS3481	Database Management Systems Laboratory	PCC	1.5	Ms.S.Puvaneswari & Mr.M.Arun	CSE	3
VALUE ADDITION INITIATIVES (VAI)						
LIB/NET	Library / Internet	VAI		Mr.M.Arun Ms.M.Kavitha Ms.M.Vidhya	CSE	1
NM	Naan Mudalvan Course (as per NM Schedule)	VAI		Ms.T.Sindhu	CSE	8
NPTEL	NPTEL Swayam Course on Introduction to Internet of Things	VAI		Ms.M.Vidhya	CSE	1
SEM	Student Seminar	VAI		Ms.M.Vidhya	CSE	1
T&P(A)	Training & Placement - Aptitude	VAI		Ms.P.Suganya	T&P	1
T&P(SS)	Training & Placement - Softskills	VAI		Dr.B.Barankumar	T&P	1

CLASS CO-ORDINATOR	NAME OF THE REPRESENTATIVES	ROLL NO
Mr.M.Arun	S.Lexmadurai	31
	S.Sudhisha	58
CLASS COMMITTEE CHAIR PERSON	Mr.S.Rajarajan	

B. Puvaneswari
DEPT. TTC

K. S. S. S.
HOD/CSE

J. S. S. S.
PRINCIPAL



Course Layout:

Week 1: Introduction to IoT: Part I, Part II, Sensing, Actuation, Basics of Networking:
Part-I

Week 2: Basics of Networking: Part-II, Part III, Part IV, Communication Protocols: Part I,
Part II

Week 3: Communication Protocols: Part III, Part IV, Part V, Sensor Networks: Part I,
Part II

Week 4: Sensor Networks: Part III, Part IV, Part V, Part VI, Machine-to-Machine
Communications

Week 5: Interoperability in IoT, Introduction to Arduino Programming: Part I, Part II,
Integration of Sensors and Actuators with Arduino: Part I, Part II

Week 6: Introduction to Python programming, Introduction to Raspberry Pi,
Implementation of IoT with Raspberry Pi

Week 7: Implementation of IoT with Raspberry Pi (contd), Introduction to SDN, SDN for
IoT

Week 8: SDN for IoT (contd), Data Handling and Analytics, Cloud Computing

Week 9: Cloud Computing(contd), Sensor-Cloud

Week 10: Fog Computing, Smart Cities and Smart Homes

Week 11: Connected Vehicles, Smart Grid, Industrial IoT

Week 12: Industrial IoT (contd), Case Study: Agriculture, Healthcare, Activity
Monitoring

Books and references:

1. "The Internet of Things: Enabling Technologies, Platforms, and Use Cases", by Pethuru Raj and Anupama C. Raman (CRC Press)
2. "Internet of Things: A Hands-on Approach", by Arshdeep Bahga and Vijay Madisetti (Universities Press)
3. Research papers.

M. V. S. S. S.
10/11/24
COORDINATOR

K. S. S. S.
10/11/24
HOD / CSE

Introduction to IoT

NPTEL » Introduction To IOT			NPTEL » Introduction To IOT			NPTEL » Introduction To IOT		
Date enrolled 2024-01-06			Date enrolled 2024-01-06			Date enrolled 2024-01-06		
Email harishm4@gmail.com			Email gayathir123@gmail.com			Email adityaraajanm143@gmail.com		
Name Harish M			Name Gayathri R			Name Aditya Raajan M		
Course Progress			Course Progress			Course Progress		
Unit wise Progress			Unit wise Progress			Unit wise Progress		
Assessment scores			Assessment scores			Assessment scores		
Announcement: You are currently receiving course related emails. Click here to unsubscribe.			Announcement: You are currently receiving course related emails. Click here to unsubscribe.			Announcement: You are currently receiving course related emails. Click here to unsubscribe.		
Discussion forum: If you want to unsubscribe from forum Click here			Discussion forum: If you want to unsubscribe from forum Click here			Discussion forum: If you want to unsubscribe from forum Click here		

NPTEL » Introduction To IOT			NPTEL » Introduction To IOT			NPTEL » Introduction To IOT		
Date enrolled 2024-01-06			Date enrolled 2024-01-06			Date enrolled 2024-01-06		
Email abishek2@gmail.com			Email aarthi123@gmail.com			Email Joshicaa10@gmail.com		
Name Abishek C			Name Aarthi S			Name Joshica A		
Course Progress			Course Progress			Course Progress		
Unit wise Progress			Unit wise Progress			Unit wise Progress		
Assessment scores			Assessment scores			Assessment scores		
Announcement: You are currently receiving course related emails. Click here to unsubscribe.			Announcement: You are currently receiving course related emails. Click here to unsubscribe.			Announcement: You are currently receiving course related emails. Click here to unsubscribe.		
Discussion forum: If you want to unsubscribe from forum Click here			Discussion forum: If you want to unsubscribe from forum Click here			Discussion forum: If you want to unsubscribe from forum Click here		

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
TIME TABLE (FEB'2024 - MAY 2024, EVEN SEM)
B.E - CSE (Reg. 2021) - With Effect from - 1.2.24 - Tentative Last Working Day - 3.5.24

Batch:2021-2025

Year: III

Semester: VI

Class Room : 227

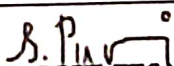
Strength:65

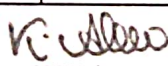
Block: II

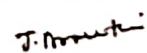
Session	1	2	10.45 am - 11.00 am	3	4	12.30 pm - 01.10 pm	5	6	02.40 pm - 02.50 pm	7	8
Day	09.15am - 10.00am	10.00am - 10.45am		11.00am - 11.45am	11.45am - 12.30pm		01.10pm - 01.55pm	01.55pm - 02.40pm		02.50pm - 03.35pm	03.35pm - 04.20pm
MON	CCS360	CCS370	BREAK	CS3691	T&P(SS)	LUNCH BREAK	CCS362 /CCS363	CCS339/ CCS368	BREAK	CCS356	
TUE	CS3691	MX3089		CCS362 /CCS363	CCS356		T&P(A)	LIB /NET		CCS360	
WED	CCS370			MX3089	CCS339/ CCS368		CCS356	CS3691		CCS362 /CCS363	
THU	CCS360	CCS362 /CCS363		CCS370	CS3691		CCS360	CCS339/ CCS368		CCS362 /CCS363	CCS356
FRI	CS3691			CCS360	CCS356		MX3089	CCS370		CCS339/ CCS368	
SAT	CCS356	CCS360		CS3691	CCS370		MP			GATE/EE	SWAYAM

SUB CODE	NAME OF THE SUBJECT	CATEGORY	CREDITS	NAME OF THE STAFF	DEPT	PERIODS/WEEK
TUTORIAL (T), ELECTIVE (E), THEORY CUM PRACTICAL(P)						
CCS356	Object Oriented Software Engineering	PCC	4(P)	Ms.S.Abikayil Aarthi	CSE	7
CS3691	Embedded Systems and IoT	PCC	4(P)	Mr.R.Sathyaraj	ECE	7
CCS360	Recommender Systems	PEC	3(P) (PE-III)	Dr.K.Abhirami	CSE	7
CCS370	UI / UX Design	PEC	3(P) (PE-IV)	Ms.D.Mangalambigai	CSE	6
CCS362	Security and Privacy in Cloud	PEC	3(P) (PE-V)	Ms.K.Abinaya	CSE	6
CCS363	Social Network Security	PEC	3(P) (PE-V)	Ms.M.Vidhya	CSE	
CCS339	Cryptocurrency and Blockchain Technologies	PEC	3(P) (PE-VI)	Ms.R.Suganthalakshmi	CSE	5
CCS368	Stream Processing	PEC	3(P) (PE-VI)	Ms.T.Sindhu	CSE	
MX3089	Industrial Safety	MC	0	Dr.K.Sudhakar	MGMT	3
VALUE ADDITION INITIATIVES (VAI)						
GATE / EE	GATE Coaching / Entrance Exam for Engineers	VAI		Ms.N.Dhamayandhi & Ms.T.Sindhu	CSE	1
LIB/NET	Library / Internet	VAI		Ms.D.Mangalambigai Ms.S.Abikayil Aarthi Ms.T.Sindhu	CSE	1
MP	Mini Project	VAI		Ms.D.Mangalambigai	CSE	2
NM	Naan Mudalvan Course(as per NM schedule)	VAI		Mr.M.Arun	CSE	8
SWAYAM	NPTEL Swayam course on Data Analytics with Python	VAI		Ms.M.Vidhya	CSE	1
T&P(A)	Training & Placement – Aptitude skills	VAI		Ms.P.Suganya	T&P	1
T&P(SS)	Training & Placement - Softskills	VAI		Dr.B.Sureshbabu	T&P	1

CLASS CO-ORDINATOR	NAME OF THE REPRESENTATIVES	ROLL NO
Ms.D.Mangalambigai	S.Hariprasad, R.Sharmika	18,50
CLASS COMMITTEE CHAIR PERSON	Ms.B.Sangeetha	


 DEPT. TTC


 HOD/CSE


 PRINCIPAL



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ACADEMIC YEAR 2023-24 (EVEN)
Data Analytics with Python
SYLLABUS

Course layout :

- Week 1: Introduction to data analytics and Python fundamentals
- Week 2: Introduction to probability
- Week 3: Sampling and sampling distributions
- Week 4: Hypothesis testing
- Week 5: Two sample testing and introduction to ANOVA
- Week 6: Two way ANOVA and linear regression
- Week 7: Linear regression and multiple regression
- Week 8: Concepts of MLE and Logistic regression
- Week 9: ROC and Regression Analysis Model Building
- Week 10: χ^2 Test and introduction to cluster analysis
- Week 11: Clustering analysis
- Week 12: Classification and Regression Trees (CART)

Books and references:

1. McKinney, W. (2012). Python for data analysis: Data wrangling with Pandas, NumPy, and IPython. "O'Reilly Media, Inc."
2. Swaroop, C. H. (2003). A Byte of Python. Python Tutorial.
3. Ken Black, sixth Editing. Business Statistics for Contemporary Decision Making. "John Wiley & Sons, Inc".
4. Anderson Sweeney Williams (2011). Statistics for Business and Economics. "Cengage Learning".
5. Douglas C. Montgomery, George C. Runger (2002). Applied Statistics & Probability for Engineering. "John Wiley & Sons, Inc"
6. Jay L. Devore (2011). Probability and Statistics for Engineering and the Sciences. "Cengage Learning".

7. David W. Hosmer, Stanley Lemeshow (2000). Applied logistic regression (Wiley Series in probability and statistics). "Wiley-Interscience Publication".
8. Jiawei Han and Micheline Kamber (2006). Data Mining: Concepts and Techniques. "
9. Leonard Kaufman, Peter J. Rousseeuw (1990). Finding Groups in Data: An Introduction to Cluster Analysis. "John Wiley & Sons, Inc"

M. V. J.
10/11/24
COORDINATOR

K. C. D. 10/11/24
1 HOD / CSE

Data Analytics with Python-Sample

NPTEL » Data Analytics with Python

NPTEL » Data Analytics with Python



Date enrolled 2024-01-06

Email hariprasath258@gmail.com

Name Hari Prasath S



Course Progress

Unit wise Progress

Assessment scores

Announcement:

You are currently receiving course related emails. [Click here to unsubscribe.](#)

Discussion forum:

If you want to unsubscribe from forum [Click here](#)

Date enrolled 2024-01-06

Email haran6538@gmail.com

Name Hariharan K



Course Progress

Unit wise Progress

Assessment scores

Announcement:

You are currently receiving course related emails. [Click here to unsubscribe.](#)

Discussion forum:

If you want to unsubscribe from forum [Click here](#)

Data Analytics with Python-Sample

NPTEL » Data Analytics with Python

NPTEL » Data Analytics with Python



Date enrolled 2024-01-06

Email asmashahul004@gmail.com

Name Asma S



Course Progress

Unit wise Progress

Assessment scores

Announcement:

You are currently receiving course related emails. [Click here to unsubscribe.](#)

Discussion forum:

If you want to unsubscribe from forum [Click here](#)

Date enrolled 2024-01-06

Email vijaymonesh780@gmail.com

Name Moneshwaran S



Course Progress

Unit wise Progress

Assessment scores

Announcement:

You are currently receiving course related emails. [Click here to unsubscribe.](#)

Discussion forum:

If you want to unsubscribe from forum [Click here](#)

Data Analytics with Python-Sample

NPTEL » Data Analytics with Python

NPTEL » Data Analytics with Python



Date enrolled 2024-01-06

Email dmaheshwari22082004@gmail.com

Name Maheshwari D



Course Progress

Unit wise Progress

Assessment scores

Announcement:

You are currently receiving course related emails. [Click here to unsubscribe.](#)

Discussion forum:

If you want to unsubscribe from forum [Click here](#)

Date enrolled 2024-01-06

Email kumaresankp21@gmail.com

Name Kumaresan K.P



Course Progress

Unit wise Progress

Assessment scores

Announcement:

You are currently receiving course related emails. [Click here to unsubscribe.](#)

Discussion forum:

If you want to unsubscribe from forum [Click here](#)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
TIME TABLE (FEB' 2024 - MAY 2024, EVEN SEM)
B.E - CSE (Reg. 2017) - With Effect from 1.2.24 - Tentative Last Working Day - 3.5.24

Batch:2020-2024

Year: IV

Semester: VIII

Class Room : 225

Strength:67

Block: II

Session	1	2	10.45 am - 11.00 am	3	4	12.30 pm - 01.10 pm	5	6	02.40 pm - 02.50 pm	7	8
Day	09.15am - 10.00am	10.00am - 10.45am		11.00am - 11.45am	11.45am - 12.30pm		01.10pm - 01.55pm	01.55pm - 02.40pm		02.50pm - 03.35pm	03.35pm - 04.20pm
MON	GE8076	CS8078	BREAK	GE8076	APT	LUNCH BREAK	CS8811		BREAK	LIB	RWP
TUE	CS8078	GE8076		CS8078	EE		SWAYAM			CS8811	
WED	GE8076	CS8078		GE8076	PDS		CS8811			CS8811	
THU	CS8078	GE8076		CS8078	IS		CS8811			T&P(SS)	
FRI	GE8076	CS8078		SWAYAM			CS8811			T&P(A)	
SAT	CS8811			CS8811			CS8811			CS8811	

SUB CODE	NAME OF THE SUBJECT	CATEGORY	CREDITS	NAME OF THE STAFF	DEPT	PERIODS/WEEK
TUTORIAL (T), ELECTIVE (E)						
GE8076	Professional Ethics in Engineering	PE	3 (PE-IV)	Ms.B.Sangeetha	CSE	7
CS8078	Green Computing	PE	3 (PE-V)	Ms.R.Suganthalakshmi	CSE	7
PRACTICAL						
CS8811	Project Work	EEC	10	Ms.R.Suganthalakshmi	CSE	20
VALUE ADDITION INTIATIVES (VAI)						
APT	Online Aptitude Training		VAI	Mr.M.Arun	CSE	1
EE	Entrance Exam for Engineers		VAI	Ms.T.Sindhu	CSE	1
IS	Interview Skills		VAI	Ms.M.Kavitha	CSE	1
LIB	Library / Internet		VAI	Ms.B.Sangeetha Ms.N.Dhamayandhi Ms.B.Bavithra	CSE	1
PDS	Personality Development Skills		VAI	Ms.K.Abinaya	CSE	1
SWAYAM	NPTEL Swayam Course on Business Intelligence and Data Analytics & Data Science for Engineers		VAI	Ms.N.Dhamayandhi	CSE	4
RWP	Report Writing Practice		VAI	Ms.R.Suganthalakshmi	CSE	1
T&P (A)	Training & Placement – Aptitude skills		VAI	Ms.P.Suganya	T&P	2
T&P(SS)	Training & Placement - Softskill		VAI	Dr.B.Sureshbabu		2
CLASS CO-ORDINATOR			NAME OF THE REPRESENTATIVES			ROLL NO
Ms.B.Sangeetha			Ashwin.V, Parkavi.D			4&36
CLASS COMMITTEE CHAIR PERSON			Ms.D.Mangalambigai			

B. P. V.
DEPT. TTC.

K. V. S.
HOD/CSE

J. M.
PRINCIPAL

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ACADEMIC YEAR 2023-24 (EVEN)
Data Science for Engineers
SYLLABUS

Course layout

Week 1: Course philosophy and introduction to R

Week 2: Linear algebra for data science

Algebraic view - vectors, matrices, product of matrix & vector, rank, null space, solution of over-determined set of equations and pseudo-inverse)

Geometric view - vectors, distance, projections, eigen value decomposition

Week 3: Statistics (descriptive statistics, notion of probability, distributions, mean, variance, covariance, covariance matrix, understanding univariate and multivariate normal distributions, introduction to hypothesis testing, confidence interval for estimates)

Week 4: Optimization

Week 5: 1. Optimization

2. Typology of data science problems and a solution framework

Week 6: 1. Simple linear regression and verifying assumptions used in linear regression

2. Multivariate linear regression, model assessment, assessing importance of different variables, subset selection

Week 7: Classification using logistic regression

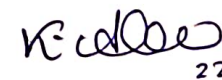
Week 8: Classification using kNN and k-means clustering

Books and references

INTRODUCTION TO LINEAR ALGEBRA - BY GILBERT STRANG

APPLIED STATISTICS AND PROBABILITY FOR ENGINEERS - BY DOUGLAS MONTGOMERY

 22/1/24
COORDINATOR

 22/1/24
1 HOD / CSE



KINGS
COLLEGE OF ENGINEERING
Recognised under 2(f) & 12(B) of UGC
Approved by AICTE, New Delhi.
Affiliated to Anna University, Chennai.



KINGS COLLEGE OF ENGINEERING

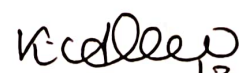
ACADEMIC YEAR 2023-24(EVEN SEMESTER)

SWAYAM EXAM – REGISTERED STUDENT LIST

IV CSE(2020-2024)

S.NO	NAME	DATE	TITLE
1.	BHAVADHARANI.V	24.03.2024	CS53-DATA SCIENCE FOR ENGINEERS
2.	NANDHINI.S	24.03.2024	CS53-DATA SCIENCE FOR ENGINEERS
3.	LAVANYA JEGAN	23.03.2024	CS47- SOFTWARE TESTING
4.	GEETHA.I	24.03.2024	CS53 DATA SCIENCE FOR ENGINEERS
5.	SNEGA.S	24.03.2024	CS53- DATA SCIENCE FOR ENGINEERS
6.	REENA.S	24.03.2024	CS53- DATA SCIENCE FOR ENGINEERS
7.	ARUNOTHAYA A C	24.03.2024	CS53- DATA SCIENCE FOR ENGINEERS


13/3/24
Staff In-charge


13/3/24
1 HOD(CSE)
H.O.D of Computer Science & Engineering
KINGS COLLEGE OF ENGINEERING
Puhalkulam, Gandarvakottai (Tk),
Pudukottai (Dt) - 613 303.



NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to
BHAVATHARANI V
for successfully completing the course

Data Science for Engineers

with a consolidated score of **53** %

Online Assignments	18.96/25	Proctored Exam	33.77/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: 2868

Devendra Jalihal

Prof. Devendra Jalihal

Chairperson,

Centre for Outreach and Digital Education, IITM

Jan-Mar 2024

(8 week course)

Prof. Andrew Thangaraj

Prof. Andrew Thangaraj

NPTEL Coordinator
IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24CS53S555800216

To verify the certificate



No. of credits recommended: 2 or 3



NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to
ARUNOTHAYA A C
for successfully completing the course

Data Science for Engineers

with a consolidated score of **52** %

Online Assignments	22.21/25	Proctored Exam	30/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: 2868

Devendra Jalihal

Prof. Devendra Jalihal

Chairperson,

Centre for Outreach and Digital Education, IITM

Jan-Mar 2024

(8 week course)

Prof. Andrew Thangaraj

Prof. Andrew Thangaraj

NPTEL Coordinator
IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24CS53S655800261

To verify the certificate



No. of credits recommended: 2 or 3

SWAYAM CERTIFICATION



NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

GEETHA I

for successfully completing the course

Data Science for Engineers

with a consolidated score of **54** %

Online Assignments	21.29/25	Proctored Exam	32.9/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **2868**

Devendra Jalihal

Prof. Devendra Jalihal

Chairperson,
Centre for Outreach and Digital Education, IITM

Jan-Mar 2024

(8 week course)

Prof. Andrew Thangaraj
Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras



Indian Institute of Technology Madras



Roll No. NPTEL24CS53S655800308

To verify the certificate



No. of credits recommended: 2 or 3



NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

LAVANYA JEGAN

for successfully completing the course

Software Testing

with a consolidated score of **47** %

Online Assignments	16.67/25	Proctored Exam	30/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **1519**

Jan-Feb 2024

(4 week course)

Prof. Haimanti Banerji
Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No. NPTEL24CS47S355800003

To verify the certificate



No. of credits recommended: 1 or 2



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

NANDHINI S

for successfully completing the course

Data Science for Engineers

with a consolidated score of **60** %

Online Assignments	20.71/25	Proctored Exam	39.14/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **2868**

Devendra Jalihal

Prof. Devendra Jalihal

Chairperson,

Centre for Outreach and Digital Education, IITM

Jan-Mar 2024

(8 week course)

Prof. Andrew Thangaraj

Prof. Andrew Thangaraj

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24CS53S555800059

To verify the certificate



No. of credits recommended: 2 or 3



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

SNEHA S

for successfully completing the course

Data Science for Engineers

with a consolidated score of **62** %

Online Assignments	19.96/25	Proctored Exam	41.89/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **2868**

Devendra Jalihal

Prof. Devendra Jalihal

Chairperson,

Centre for Outreach and Digital Education, IITM

Jan-Mar 2024

(8 week course)

Prof. Andrew Thangaraj

Prof. Andrew Thangaraj

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24CS53S555800179

To verify the certificate



No. of credits recommended: 2 or 3



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

REENA S

for successfully completing the course

Data Science for Engineers

with a consolidated score of **67** %

Online Assignments	23.33/25	Proctored Exam	43.55/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: 2868

Devendra Jalihal

Prof. Devendra Jalihal

Chairperson,

Centre for Outreach and Digital Education, IITM

Jan-Mar 2024

(8 week course)

Prof. Andrew Thangaraj

Prof. Andrew Thangaraj

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24CS53S555800135

To verify the certificate



No. of credits recommended: 2 or 3

MORNING
SESSION
(FN)

National Programme on Technology Enhanced Learning



Hall Ticket For

2024 Mar: CS53 Data Science for Engineers - Online

Candidate Name	Pasupathi D				
Roll No	NOC24CS53 N5555800010		Seating Number	658800010	
Date of Birth	20-08-2000				
PwD Status	No	Compensatory Time Requested	N/A	Scribe Required	N/A
Exam Date	Sunday, 24 March, 2024				
Reporting Time	08:00 am	Gate Closure	09:30 am		
Exam Timing	09:00 am	Shift	FN		
Test Centre Name	Anas Engineering College				
Test Centre Address	Chennai Main Road, Kumbakonam, Thanjavur, Tamil Nadu, India - 612501				



NPTEL Coordinator



NPTEL EXAM - 24 MARCH 2024 General instructions for candidates - FN (All timings mentioned here are in IST)

DRESS CODE: Candidates are expected to come in professional attire to write the exams. Candidates wearing **SHORTS** will **NOT** be permitted inside the exam hall.

AT THE EXAM CENTRE, IF YOU ENCOUNTER ANY ISSUES WITH RESPECT TO THE COMPUTER OR EXAM OFFICIALS, KINDLY CONTACT THE NPTEL EXAM REPRESENTATIVE, WHO WILL BE AVAILABLE AT THE CENTRE.

- The Hall Ticket must be presented for verification along with one original photo identification (not photocopy or scanned copy). Examples of acceptable photo identification documents are School ID, College ID, Employee ID, Driving License, Passport, PAN card, Voter ID, Aadhaar ID. Printed copy of the hall ticket and original photo ID card should be brought to the exam centre. Hall ticket and ID card copies on the phone will not be permitted.
- This Hall Ticket is valid only if the candidate's photograph and signature images are legible. To ensure this, print the Hall Ticket on A4 sized paper using a laser printer, preferably a colour photo printer.
- Please report to the examination venue by 08:00 am; CANDIDATES WILL NOT BE ALLOWED TO ENTER THE EXAMINATION HALL AFTER 09:30am.
- Candidates will be permitted to appear for the examination **ONLY** after their credentials are verified by center officials.

P.T.O.

MORNING
SESSION
(FN)

National Programme on Technology Enhanced Learning



Hall Ticket For

2024 Mar. CS47 Software Testing - Online

Candidate Name	Lakshya Jagan				
Roll No	NOC24CS47TS155800052		Seating Number	05400003	
Date of Birth	13-04-2002				
RelD Status	No.	Compensatory Time Requested	N.A.	Scribe Required	N.A.
Exam Date	Saturday, 23 March, 2024				
Reporting Time	08:00 am	Gate Closure	09:30 am		
Exam Timing	09:00 am	Shift	FN		
Test Centre Name	Anna Engineering College				
Test Centre Address	Chennai Main Road, Kumbakonam, Thanjavur, Tamil Nadu, India - 612501				



NPTEL Coordinator



NPTEL EXAM - 23 MARCH 2024 General instructions for candidates - FN (All timings mentioned here are in IST)

DRESS CODE: Candidates are expected to come in professional attire to write the exams. Candidates wearing **SHORTS** will **NOT** be permitted inside the exam hall.

AT THE EXAM CENTRE, IF YOU ENCOUNTER ANY ISSUES WITH RESPECT TO THE COMPUTER OR EXAM OFFICIALS, KINDLY CONTACT THE NPTEL EXAM REPRESENTATIVE, WHO WILL BE AVAILABLE AT THE CENTRE.

- The Hall Ticket must be presented for verification along with one original photo identification (not photocopy or scanned copy). Examples of acceptable photo identification documents are School ID, College ID, Employee ID, Driving License, Passport, PAN card, Voter ID, Aadhaar-ID. Printed copy of the hall ticket and original photo id card should be brought to the exam centre. Hall ticket and id card copies on the phone will not be permitted.
- This Hall Ticket is valid only if the candidate's photograph and signature images are legible. To ensure this, print the Hall Ticket on A4 sized paper using a laser printer, preferably a colour photo printer.
- Please report to the examination venue by 08:00 am; **CANDIDATES WILL NOT BE ALLOWED TO ENTER THE EXAMINATION HALL AFTER 09:30am.**
- Candidates will be permitted to appear for the examination **ONLY** after their credentials are verified by center officials.

P.T.O.

AFTERNOON
SESSION
(AN)

National Programme on Technology Enhanced Learning



Hall Ticket For

2024 Mar. CS53 Data Science for Engineers - Online

Candidate Name	ARUNKANTHA A C				
Roll No	NOC24CS53TS155900261		Seating Number	05600261	
Date of Birth	25-03-2000				
RelD Status	No.	Compensatory Time Requested	N.A.	Scribe Required	N.A.
Exam Date	Sunday, 24 March, 2024				
Reporting Time	01:00 pm	Gate Closure	02:30 pm		
Exam Timing	02:00 pm	Shift	AN		
Test Centre Name	Anna Engineering College				
Test Centre Address	Chennai Main Road, Kumbakonam, Thanjavur, Tamil Nadu, India - 612501				



NPTEL Coordinator



NPTEL EXAM - 24 MARCH 2024 General instructions for candidates - AN (All timings mentioned here are in IST)

DRESS CODE: Candidates are expected to come in professional attire to write the exams. Candidates wearing **SHORTS** will **NOT** be permitted inside the exam hall.

AT THE EXAM CENTRE, IF YOU ENCOUNTER ANY ISSUES WITH RESPECT TO THE COMPUTER OR EXAM OFFICIALS, KINDLY CONTACT THE NPTEL EXAM REPRESENTATIVE, WHO WILL BE AVAILABLE AT THE CENTRE.

- The Hall Ticket must be presented for verification along with one original photo identification (not photocopy or scanned copy). Examples of acceptable photo identification documents are School ID, College ID, Employee ID, Driving License, Passport, PAN card, Voter ID, Aadhaar-ID. Printed copy of the hall ticket and original photo id card should be brought to the exam centre. Hall ticket and id card copies on the phone will not be permitted.
- This Hall Ticket is valid only if the candidate's photograph and signature images are legible. To ensure this, print the Hall Ticket on A4 sized paper using a laser printer, preferably a colour photo printer.
- Please report to the examination venue by 01:30 pm; **CANDIDATES WILL NOT BE ALLOWED TO ENTER THE EXAMINATION HALL AFTER 02:30 pm.**

**MORNING
SESSION
(FN)**

**National Programme on Technology
Enhanced Learning**



Hall Ticket For

2024 Mar: C553 Data Science for Engineers - Online

Candidate Name	GNECUB				
Roll No	NOC24C5530555N001170		Seating Number	05800170	
Date of Birth	21-02-2000				
Per-D Status	N/A	Compensatory Time Required	N/A	Scribe Required	N/A
Exam Date	Sunday, 24 March, 2024				
Reporting Time	08:00 am		Gate Closure	09:30 am	
Exam Timing	09:00 am		Shift	FN	
Test Centre Name	Apsara Engineering College				
Test Centre Address	Chennai Main Road, Kumbakonam, Thanjavur, Tamil Nadu, India - 612021				



NPTEL Coordinator



NPTEL EXAM - 24 MARCH 2024
General instructions for candidates - FN
(All timings mentioned here are in IST)

DRESS CODE: Candidates are expected to come in professional attire to write the exams. Candidates wearing **SHORTS** will **NOT** be permitted inside the exam hall.

AT THE EXAM CENTRE, IF YOU ENCOUNTER ANY ISSUES WITH RESPECT TO THE COMPUTER OR EXAM OFFICIALS, KINDLY CONTACT THE NPTEL EXAM REPRESENTATIVE, WHO WILL BE AVAILABLE AT THE CENTRE.

- The Hall Ticket must be presented for verification along with one original photo identification (not photocopy or scanned copy). Examples of acceptable photo identification documents are School ID, College ID, Employee ID, Driving License, Passport, PAN card, Voter ID, Aadhaar ID. Printed copy of the hall ticket and original photo id card should be brought to the exam centre. Hall ticket and id card copies on the phone will not be permitted.
- This Hall Ticket is valid only if the candidate's photograph and signature images are legible. To ensure this, print the Hall Ticket on A4 sized paper using a laser printer, preferably a colour photo printer.
- Please report to the examination venue by 08:00 am. CANDIDATES WILL NOT BE ALLOWED TO ENTER THE EXAMINATION HALL AFTER 08:30 am.
- Candidates will be permitted to appear for the examination **ONLY** after their credentials are verified by centre officials.

P.T.O.

**AFTERNOON
SESSION
(AN)**

**National Programme on Technology
Enhanced Learning**



Hall Ticket For

2024 Mar: C553 Data Science for Engineers - Online

Candidate Name	GNECUB				
Roll No	NOC24C5530555N000305		Seating Number	05800005	
Date of Birth	14-01-2000				
Per-D Status	N/A	Compensatory Time Required	N/A	Scribe Required	N/A
Exam Date	Sunday, 24 March, 2024				
Reporting Time	01:00 pm		Gate Closure	02:30 pm	
Exam Timing	02:00 pm		Shift	AN	
Test Centre Name	Apsara Engineering College				
Test Centre Address	Chennai Main Road, Kumbakonam, Thanjavur, Tamil Nadu, India - 612021				



NPTEL Coordinator



NPTEL EXAM - 24 MARCH 2024
General instructions for candidates - AN
(All timings mentioned here are in IST)

DRESS CODE: Candidates are expected to come in professional attire to write the exams. Candidates wearing **SHORTS** will **NOT** be permitted inside the exam hall.

AT THE EXAM CENTRE, IF YOU ENCOUNTER ANY ISSUES WITH RESPECT TO THE COMPUTER OR EXAM OFFICIALS, KINDLY CONTACT THE NPTEL EXAM REPRESENTATIVE, WHO WILL BE AVAILABLE AT THE CENTRE.

- The Hall Ticket must be presented for verification along with one original photo identification (not photocopy or scanned copy). Examples of acceptable photo identification documents are School ID, College ID, Employee ID, Driving License, Passport, PAN card, Voter ID, Aadhaar ID. Printed copy of the hall ticket and original photo id card should be brought to the exam centre. Hall ticket and id card copies on the phone will not be permitted.
- This Hall Ticket is valid only if the candidate's photograph and signature images are legible. To ensure this, print the Hall Ticket on A4 sized paper using a laser printer, preferably a colour photo printer.
- Please report to the examination venue by 01:00 pm. CANDIDATES WILL NOT BE ALLOWED TO ENTER THE EXAMINATION HALL AFTER 02:30 pm.
- Candidates will be permitted to appear for the examination **ONLY** after their credentials are verified by centre officials.

P.T.O.



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ACADEMIC YEAR 2023-2024



KINGS
COLLEGE OF ENGINEERING
Recognised under 2(f) & 12(B) of UGC
Approved by AICTE, New Delhi.
Affiliated to Anna University, Chennai.



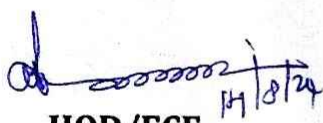
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ADD ON PROGRAMS / CERTIFICATE COURSE DURING THE ACADEMIC YEAR

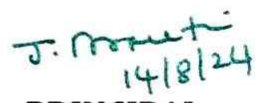
Academic Year 2023-24

Syllabus, Course Plan, Time table, Evaluation, Certificate, Outcome

S.No	COURSE TITLE
1.	SWAYAM course on "Functional Genomics" - IV Yr
2.	SWAYAM course on "Biomedical Nanotechnology" - IV Yr
3.	SWAYAM course on "Python for Data Science" - III Yr
4.	SWAYAM course on "Electrocardiogram Interpretation and Application in Clinical Practice" - IV Yr
5.	MHRD sponsored IIT Bombay certification course on "SCILAB" - II Yr
6.	MHRD sponsored IIT Bombay certification course on "INKSCAPE" - III Yr
7.	MHRD sponsored IIT Bombay certification course on "ARDUINO" - IV Yr
8.	SWAYAM course on "Medical Image Analysis" - IV Yr
9.	SWAYAM course on "Introduction To Programming In C" - IV Yr
10.	SWAYAM course on "CMOS Digital VLSI Design" - III Yr
11.	SWAYAM course on "Embedded System Design With Arm" - III Yr
12.	MHRD sponsored IIT Bombay certification course on "GIMP" - II Yr
13.	MHRD sponsored IIT Bombay certification course on "LATEX" - III Yr
14.	MHRD sponsored IIT Bombay certification course on "eSIM" - IV Yr

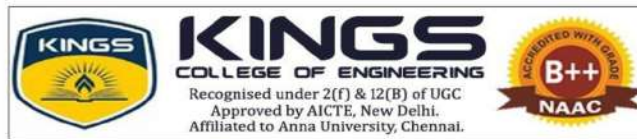

FACULTY IN-CHARGE


HOD/ECE
H.O.D.


PRINCIPAL
Principal

ELECTRONICS AND COMMUNICATION ENGINEERING
KINGS COLLEGE OF ENGINEERING
PUNAKULAM - 613 303.
GANJANMATHI TALUK, PUDUCHERI DISTRICT

Kings College of Engineering
(Autonomous)
Punakulam - 613 303



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ACADEMIC YEAR 2023-2024 (ODD SEMESTER)

SWAYAM EXECUTION STATUS

S.No	Class	SWAYAM Course Title	No. of students Completed the Course	Remarks
1.	III ECE	Python for Data Science	64/65	Progress Submitted
		Electrocardiogram Interpretation and Application in Clinical Practise	64/65	Progress Submitted
2.	IV ECE	Functional Genomics	46/47	Progress Submitted
		Biomedical Nanotechnology	46/47	Progress Submitted

(Signature)
12/12/23

IQAC member

(Signature)
12/12/23

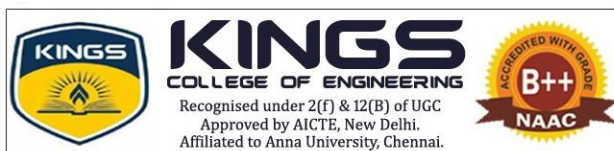
HOD / ECE

(Signature)
12/12/2023

PRINCIPAL

H.O.D.
ELECTRONICS AND COMMUNICATION ENGINEERING
KINGS COLLEGE OF ENGINEERING
PUNALKULAM - 613 303.
GANDYAKOTTAI TALUK, PUDUKOTTAI DISTRICT

Principal
Kings College of Engineering
(Autonomous)
Punalkulam - 613 303



A REPORT

ON

“SWAYAM/NPTEL ONLINE COURSES”

FOR THE ACADEMIC YEAR 2023-2024 ODD SEMESTER.

FOR IV ECE STUDENTS.



Organized by

Department of Electronics and Communication Engineering

KINGS COLLEGE OF ENGINEERING, PUNALKULAM

A NAAC Accredited Institution

Recognized under 2(f) & 12(B) of UGC

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)

Phone : 04362-282474, 282395

Website : www.kingsindia.net

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ACADEMIC YEAR 2023-2024 (ODD SEMESTER)

ABOUT THE SWAYAM / NPTEL ONLINE COURSE:

As per the Instruction given by our HOD, it was planned to conduct SWAYAM / NPTEL online course for **Final year ECE** students in 2023-2024 ODD semester.

The SWAYAM / NPTEL online course list was taken from the SWAYAM portal, and it was circulated to the students. Then they were asked to prefer any one course with four, six or twelve week duration.

All the 46 students have enrolled in 2 courses with 4 weeks duration.

COURSE 1: BIOMEDICAL NANOTECHNOLOGY

Course Start Date: 21st August 2023 and the Course End Date: 15th September 2023. (4 Weeks)

COURSE 2: FUNCTIONAL GENOMICS

Course Start Date: 21st August 2023 and the Course End Date: 15th September 2023. (4 Weeks)

COURSE NAME: 1. BIOMEDICAL NANOTECHNOLOGY

Biomedical Nanotechnology

By Prof. P. Gopinath | IIT Roorkee

[Go to course](#)

Learners enrolled: 6407



This course was handled by **Professor P. Gopinath** from Indian Institute of Technology Roorkee.

The course starting date was 21st August 2023 .

The course ending date was 15th September 2023.

The duration of this course was 4 weeks.

The Course layout was scheduled as follows.

Week 1:

- Introduction to nano, Nano-biomimicry,
- Synthesis of nanomaterials by physical and chemical methods,
- Synthesis of nanomaterials by biological methods,
- Characterisation of nanomaterials.

Week 2:

- DNA nanotechnology,
- Protein & glyco nanotechnology,
- Lipid nanotechnology,
- Bio-nanomachines,
- Carbon nanotube and its bio-applications.

Week 3:

- Nanomaterials for cancer diagnosis,
- Nanomaterials for cancer therapy,
- Nanotechnology in tissue engineering,
- Nano artificial cells,
- Nanotechnology in organ printing.

Week 4:

- Nanotechnology in point-of-care diagnostics,
- Nanopharmacology & drug targeting,
- Cellular uptake mechanisms of nanomaterials,
- In vitro methods to study antibacterial and anticancer properties of nanomaterials,
- Nanotoxicology.

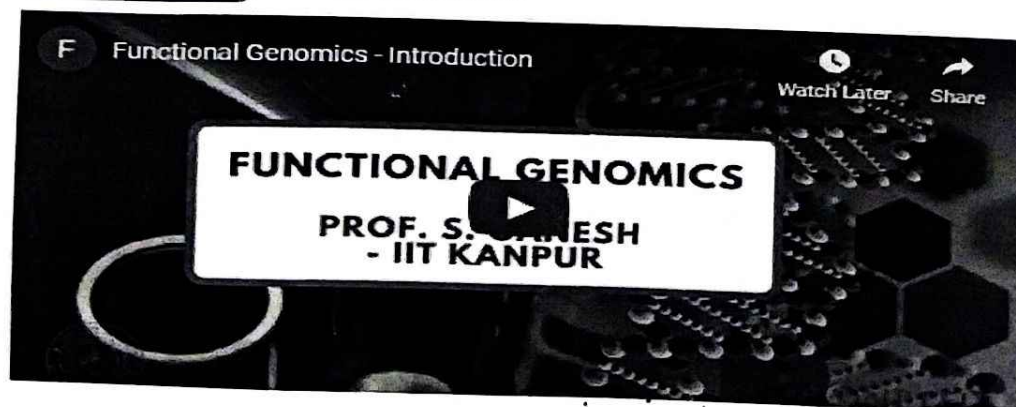
COURSE NAME: 2. FUNCTIONAL GENOMICS

Functional Genomics

By Prof. S. Ganesh | IIT Kanpur

[Go to course](#)

Learners enrolled: 2110



This course was handled by **Professor S.Ganesh** from Indian Institute of Technology Kanpur.
The course starting date was 21st August 2023 .
The course ending date was 15th September 2023.
The duration of this course was 4 weeks.

The Course layout was scheduled as follows.

Week 1: [2.5 hrs; 4 lectures]

Introduction to Functional Genomics:

Pre- and post-genomic era; major advancements in genomic approaches; epigenetics and metagenomics; forward versus reverse genetics

Week 2: [2.5 hrs; 4 lectures]

Genome Analyses - Part 1

Genome editing approaches and their applications; gene expression analyses and applications

Week 3: [3 hrs: 4 lectures and 2 tutorial sessions]

Genome Analyses - Part 2

Methods for DNA/RNA sequencing, sequence analysis and their applications

Week 4: [2.5 hrs: 3 lectures and 2 laboratory sessions]

Comparative Genomics

Genomic insight into evolution; power of comparative genomic analysis

OUTCOME:

- Students gained basic knowledge on Biomedical Nanotechnology and Functional Genomics NPTEL courses.
- In **Biomedical Nanotechnology**, the students have learned about the Nano-biomimicry,
- Synthesis of nanomaterials, DNA ,Protein, glycol & Lipid nanotechnology, Bio-nanomachines etc.
- In **Functional Genomics**, they have learned about epigenetics, metagenomics, Genome Analyses and Comparative Genomics.
- In Biomedical Nanotechnology: Out of 47 students, 46 students have completed the course.
- In Functional Genomics: Out of 47 students, 46 students have completed the course.

The students course progresses were attached below.


12/12/23
IQAC member


12/12/23
HOD / ECE


12/12/2023
PRINCIPAL

ELECTRONICS AND COMMUNICATION ENGINEERING
KINGS COLLEGE OF ENGINEERING
PUNALKULAM - 613 303.
GANDARVANDI TALUK, PUDUCHOTTAI DISTRICT

PRINCIPAL
Kings College of Engineering,
PUNALKULAM - 613 303.

COURSE PROGRESS FOR FUNCTIONAL GENOMICS

NPTEL » Functional Genomics		NPTEL » Functional Genomics	
			
Date enrolled 2023-07-19		Date enrolled 2023-07-19	
Email ajayallizwell@gmail.com		Email samkings2002@gmail.com	
Name AJAY A		Name L Amar Samuel	
 10.34%		 63.79%	
Course Progress		Course Progress	
Unit wise Progress		Unit wise Progress	
Assessment scores		Assessment scores	
Assignment 1: Week 1:	50.0	Assignment 1: Week 1:	-
Week 2 : Assignment 2:	50.0	Week 2 : Assignment 2:	50.0
Week 3: Assignment 3:	50.0	Week 3: Assignment 3:	-
Week 4 : Assignment 4:	70.0	Week 4 : Assignment 4:	70.0



Date enrolled 2023-07-19

Email anburaj252310@gmail.com

Name Anburaj R



10.34%

Course Progress

Unit wise Progress

Assessment scores

Assignment 1: Week 1: -

Week 2 : Assignment 2: 50.0

Week 3: Assignment 3: 50.0

Week 4 : Assignment 4: 70.0

Announcement:



If already registered, click to
check your payment status

Date enrolled 2023-07-19

Email snehaanjalinesneha@gmail.com

Name J. Anjaline sneha

Course outline

How does an NPTEL
online course work?

Pre-requisite Assignment

Week 1: Introduction to
Functional Genomics

Week 2: Genome Analysis
(Part 1)

Week 3: Genome Analysis
(Part 2)

Unit wise Progress

Assessment scores

Assignment 1: Week 1: 50.0

Week 2 : Assignment 2: 50.0

Week 3: Assignment 3: -

Week 4 : Assignment 4: 60.0



Date enrolled 2023-07-19

Email anusuyav1209@gmail.com

Name Anusuya V



6.9%

Course Progress

Unit wise Progress

Assessment scores

Assignment 1: Week 1: 50.0

Week 2 : Assignment 2: 20.0

Week 3: Assignment 3: 20.0

Week 4 : Assignment 4: 80.0



Date enrolled 2023-08-01

Email deepakambal2003@gmail.com

Name DEEPAK RAJ.T



17.24%

Course Progress

Unit wise Progress

Assessment scores

Assignment 1: Week 1: -

Week 2 : Assignment 2: 20.0

Week 3: Assignment 3: 50.0

Week 4 : Assignment 4: 70.0



Date enrolled 2023-07-19

Email devadharsini1902@gmail.com

Name Devadharsini.B



Course Progress

Unit wise Progress

Assessment scores

Assignment 1: Week 1: **40.0**

Week 2 : Assignment 2: **20.0**

Week 3: Assignment 3: **50.0**

Week 4 : Assignment 4: **60.0**



Date enrolled 2023-08-11

Email dhivyamuthu978@gmail.com

Name M Dhivya Dharshini



Course Progress

Unit wise Progress

Assessment scores

Assignment 1: Week 1: -

Week 2 : Assignment 2: **10.0**

Week 3: Assignment 3: **50.0**

Week 4 : Assignment 4: -



Date enrolled 2023-07-19

Email durgadevi200300@gmail.com

Name DurgaDevi.G



10.34%

Course Progress

Unit wise Progress

Assessment scores

Assignment 1: Week 1: ~

Week 2 : Assignment 2: ~

Week 3: Assignment 3: **50.0**

Week 4 : Assignment 4: ~



Date enrolled 2023-07-19

Email gururagavan002@gmail.com

Name R.K.Guru ragavan

96.55%

Course Progress

Unit wise Progress

Assessment scores

Assignment 1: Week 1: **70.0**

Week 2 : Assignment 2: **20.0**

Week 3: Assignment 3: **50.0**

Week 4 : Assignment 4: **70.0**



Date enrolled 2023-07-19

Email hariharan2002dh@gmail.com

Name D. Hariharan



Course Progress

Unit wise Progress

Assessment scores

Assignment 1: Week 1: 60.0

Week 2 : Assignment 2: 30.0

Week 3: Assignment 3: 50.0

Week 4 : Assignment 4: 80.0



Date enrolled 2023-07-28

Email jshree1206@gmail.com

Name Jaishree.A



Course Progress

Unit wise Progress

Assessment scores

Assignment 1: Week 1: 50.0

Week 2 : Assignment 2: 50.0

Week 3: Assignment 3: 50.0

Week 4 : Assignment 4: 70.0



Date enrolled 2023-07-19
Email jj962570@gmail.com
Name Janani.B



Course Progress

Unit wise Progress

Assessment scores

Assignment 1: Week 1: -
Week 2 : Assignment 2: 20.0
Week 3: Assignment 3: 20.0
Week 4 : Assignment 4: 70.0



Date enrolled 2023-07-19
Email jothikaganesan23102002@gmail.i
Name JOTHIKA G



Course Progress

Unit wise Progress

Assessment scores

Assignment 1: Week 1: 60.0
Week 2 : Assignment 2: -
Week 3: Assignment 3: -
Week 4 : Assignment 4: 70.0



Date enrolled 2023-07-19

Email ananyakavi18@gmail.com

Name Kavi Nila



1.72%

Course Progress

Unit wise Progress

Assessment scores

Assignment 1: Week 1: -

Week 2 : Assignment 2: -

Week 3: Assignment 3: 50.0

Week 4 : Assignment 4: -



Date enrolled 2023-07-19

Email skeertiga007@gmail.com

Name S keertiga



6.9%

Course Progress

Unit wise Progress

Assessment scores

Assignment 1: Week 1: 50.0

Week 2 : Assignment 2: 50.0

Week 3: Assignment 3: 40.0

Week 4 : Assignment 4: 70.0



Date enrolled 2023-07-19

Email krithickjoy242@gmail.com

Name Kirthick vasan. s



8.62%

Course Progress

Unit wise Progress

Assessment scores

Assignment 1: Week 1: 50.0

Week 2 : Assignment 2: 30.0

Week 3: Assignment 3: 50.0

Week 4 : Assignment 4: 70.0



Date enrolled 2023-07-19

Email wlogesh234@gmail.com

Name Logeshwaran M



8.62%

Course Progress

Unit wise Progress

Assessment scores

Assignment 1: Week 1: -

Week 2: Assignment 2: -

Week 3: Assignment 3: 50.0

Week 4: Assignment 4: 70.0



Date enrolled 2023-07-27

Email mahalakshmir186@gmail.com

Name Mahalakshmi.R

48.28%

Course Progress

Unit wise Progress

Assessment scores

Assignment 1: Week 1: 50.0

Week 2 : Assignment 2: 50.0

Week 3: Assignment 3: 50.0

Week 4 : Assignment 4: 70.0



Date enrolled 2023-07-19

Email maniyarasir3@gmail.com

Name Maniyarasi. R

29.31%

Course Progress

Unit wise Progress

Assessment scores

Assignment 1: Week 1: -

Week 2 : Assignment 2: 20.0

Week 3: Assignment 3: 20.0

Week 4 : Assignment 4: 80.0



Date enrolled 2023-07-19

Email nandhinikamali2003@gmail.co

Name Nandhinikamali2003@gmail.co

8.62%

Course Progress

Unit wise Progress

Assessment scores

Assignment 1: Week 1: 30.0

Week 2 : Assignment 2: -

Week 3: Assignment 3: 20.0

Week 4 : Assignment 4: 60.0



Date enrolled 2023-07-19

Email kumarsenthil18667@gmail.com

Name Natika. K.S

65.52%

Course Progress

Unit wise Progress

Assessment scores

Assignment 1: Week 1: -

Week 2 : Assignment 2: -

Week 3: Assignment 3: 50.0

Week 4 : Assignment 4: 70.0



Date enrolled 2023-07-19

Email naveenprakash697@gmail.com

Name G.Navin



Course Progress

Unit wise Progress

Assessment scores

Assignment 1: Week 1: -

Week 2 : Assignment 2: -

Week 3: Assignment 3: 50.0

Week 4 : Assignment 4: 80.0



Date enrolled 2023-07-19

Email nivya7181@gmail.com

Name P.Nivya



Course Progress

Unit wise Progress

Assessment scores

Assignment 1: Week 1: 50.0

Week 2 : Assignment 2: 50.0

Week 3: Assignment 3: -

Week 4 : Assignment 4: 70.0



Date enrolled 2023-07-19

Email preethiselvakumar2002@gmail.com

Name S. Preethi



Course Progress

Unit wise Progress

Assessment scores

Assignment 1: Week 1:	50.0
Week 2 : Assignment 2:	50.0
Week 3: Assignment 3:	50.0
Week 4 : Assignment 4:	70.0



Date enrolled 2023-07-19

Email pddharshini3@gmail.com

Name Priyadharshini.j



Course Progress

Unit wise Progress

Assessment scores

Assignment 1: Week 1:	60.0
Week 2 : Assignment 2:	60.0
Week 3: Assignment 3:	50.0
Week 4 : Assignment 4:	70.0

If already registered, click to
check your payment status

Date enrolled 2023-07-27

Email r.priyanga16082002@gmail.com

Name R.priyanga

Course outline

How does an NPTEL
online course work?

Pre-requisite Assignment

Week 1: Introduction to
Functional Genomics

Week 2: Genome Analysis
(Part 1)

Week 3: Genome Analysis
(Part 2)

Unit wise Progress

Assessment scores

Assignment 1: Week 1: 50.0

Week 2 : Assignment 2: -

Week 3: Assignment 3: 40.0

Week 4 : Assignment 4: 70.0



Date enrolled 2023-07-19

Email rockranjith6995@gmail.com

Name Ranjith



Unit wise Progress

Assessment scores

Assignment 1: Week 1: 50.0

Week 2 : Assignment 2: -

Week 3: Assignment 3: 40.0

Week 4 : Assignment 4: 70.0



Date enrolled 2023-07-19

Email sandysansandeep02@gmail.com

Name Sandeep.R



1.72%

Course Progress

Unit wise Progress

Assessment scores

Assignment 1: Week 1: -

Week 2 : Assignment 2: -

Week 3: Assignment 3: -

Week 4 : Assignment 4: **70.0**



Date enrolled 2023-07-19

Email sathishkannan7628@gmail.com

Name Sathish Kannan.S



17.24%

Course Progress

Unit wise Progress

Assessment scores

Assignment 1: Week 1: **50.0**

Week 2 : Assignment 2: **50.0**

Week 3: Assignment 3: -

Week 4 : Assignment 4: **70.0**



Date enrolled 2023-07-19

Email 8438145580.shafirin@gmail.com

Name Shafrin.S



10.34%

Course Progress

Unit wise Progress

Assessment scores

Assignment 1: Week 1: 50.0

Week 2 : Assignment 2: 50.0

Week 3: Assignment 3: 20.0

Week 4 : Assignment 4: 80.0



Date enrolled 2023-07-20

Email vpriya13122002@gmail.com

Name V.Shanmugapriya



6.9%

Course Progress

Unit wise Progress

Assessment scores

Assignment 1: Week 1: 80.0

Week 2 : Assignment 2: -

Week 3: Assignment 3: 50.0

Week 4 : Assignment 4: 70.0

**Date enrolled**

2023-07-19

Email

sivasethumathavan@gmail.com

Name

Sivasethumathavan D

8.62%

Course Progress

Unit wise Progress

Assessment scores

Assignment 1: Week 1: **50.0**Week 2 : Assignment 2: **50.0**Week 3: Assignment 3: **50.0**Week 4 : Assignment 4: **70.0****Date enrolled**

2023-07-19

Email

solaimani3k@gmail.com

Name

G.Solaimani



Course Progress

Unit wise Progress

Assessment scores

Assignment 1: Week 1: **80.0**Week 2 : Assignment 2: **50.0**Week 3: Assignment 3: **40.0**Week 4 : Assignment 4: **70.0**



Date enrolled 2023-07-19

Email suruthi8303@gmail.com

Name Suruthi. S

8.62%

Course Progress

Unit wise Progress

Assessment scores

Assignment 1: Week 1: 50.0

Week 2 : Assignment 2: 50.0

Week 3: Assignment 3: 50.0

Week 4 : Assignment 4: 70.0



Date enrolled 2023-07-19

Email swathi17manjula@gmail.com

Name M.swathi shuki

36.21%

Course Progress

Unit wise Progress

Assessment scores

Assignment 1: Week 1: 50.0

Week 2 : Assignment 2: 50.0

Week 3: Assignment 3: 20.0

Week 4 : Assignment 4: 70.0



Date enrolled 2023-07-19

Email aathithamizhan042@gmail.com

Name M.Tamilazhathi



8.62%

Course Progress

Unit wise Progress

Assessment scores

Assignment 1: Week 1: 50.0

Week 2 : Assignment 2: 50.0

Week 3: Assignment 3: 50.0

Week 4 : Assignment 4: 70.0



Date enrolled 2023-07-27

Email thenmozhiyavel2002@gmail.com

Name J.Then mozhi
51.72%

Course Progress

Unit wise Progress

Assessment scores

Assignment 1: Week 1: 50.0

Week 2 : Assignment 2: 50.0

Week 3: Assignment 3: 50.0

Week 4 : Assignment 4: 70.0



Date enrolled 2023-07-21

Email thiyahalashmit@gmail.com

Name Thiyahalakshmi. T



12.07%

Course Progress

Unit wise Progress

Assessment scores

Assignment 1: Week 1: -

Week 2 : Assignment 2: 50.0

Week 3: Assignment 3: 50.0

Week 4 : Assignment 4: 70.0



Date enrolled 2023-07-19

Email thirishamalini.t182@gmail.com

Name THIRISHAMALINI.T

6.9%

Course Progress

Unit wise Progress

Assessment scores

Assignment 1: Week 1: 50.0

Week 2 : Assignment 2: 50.0

Week 3: Assignment 3: 50.0

Week 4 : Assignment 4: 60.0



Date enrolled 2023-07-19

Email venkatesh14052003@gmail.com

Name M.VENKATESH

1.72%

Course Progress

Unit wise Progress

Assessment scores

Assignment 1: Week 1:	-
Week 2 : Assignment 2:	-
Week 3: Assignment 3:	-
Week 4 : Assignment 4:	70.0



Date enrolled 2023-07-19

Email ven26nila@gmail.com

Name Vennila.D



Course Progress

Unit wise Progress

Assessment scores

Assignment 1: Week 1:	50.0
Week 2 : Assignment 2:	50.0
Week 3: Assignment 3:	50.0
Week 4 : Assignment 4:	70.0

2:45 PM | 24.4KB/s

4G

NPTEL » Functional Genomics



Date enrolled 2023-07-19

Email vkmani0803@gmail.com

Name A. Vigneshwari

8.62%

Course Progress

Unit wise Progress

Assessment scores

Assignment 1: Week 1: 50.0

Week 2 : Assignment 2: 50.0

Week 3: Assignment 3: 50.0

Week 4 : Assignment 4: 70.0

Announcement:

You are currently receiving course related emails.

[Click here to unsubscribe.](#)

4G 12:27

VA 0.40 MB/s



urses.nptel.ac.in



NPTEL » Functional Genomics



Date enrolled 2023-08-02

Email janarthanan0054@gmail.com

Name JANARTHANAN.R

10.34%

Course Progress

Unit wise Progress

Assessment scores

Assignment 1: Week 1: 50.0

Week 2 : Assignment 2: 20.0

Week 3: Assignment 3: 50.0

Week 4 : Assignment 4: 80.0





Date enrolled 2023-08-02

Email madhanx52@gmail.com

Name Madhan.s



5.17%

Course Progress

Unit wise Progress

Assessment scores

Assignment 1: Week 1: -

Week 2 : Assignment 2: -

Week 3: Assignment 3: 50.0

Week 4 : Assignment 4: 70.0



Date enrolled 2023-08-02

Email kumareshfzs@gmail.com

Name Kumaresh. A



Course Progress

Unit wise Progress

Assessment scores

Assignment 1: Week 1: -

Week 2 : Assignment 2: 20.0

Week 3: Assignment 3: 50.0

Week 4 : Assignment 4: 70.0

COURSE PROGRESS FOR BIOMEDICAL NANOTECHNOLOGY

NPTEL » Biomedical Nanotechnology



Date enrolled 2023-07-19
Email ajayallizwell@gmail.com
Name AJAY A

10.42%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: 50.0
Week 2: Assignment 2: 40.0
Week 3: Assignment 3: 60.0
Week 4: Assignment 4: 70.0

NPTEL » Biomedical Nanotechnology



Date enrolled 2023-07-19
Email samkings2002@gmail.com
Name L Amar Samuel

14.58%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: 50.0
Week 2: Assignment 2: 40.0
Week 3: Assignment 3: 60.0
Week 4: Assignment 4: 60.0



anburaj252310@gmail.com

NPTEL » Biomedical Nanotechnology



Date enrolled 2023-07-19
Email anburaj252310@gmail.com
Name Anburaj R

12.5%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: -
Week 2: Assignment 2: 40.0
Week 3: Assignment 3: 60.0
Week 4: Assignment 4: 70.0

Date enrolled 2023-07-19

Email snehaanjalinesneha@gmail.com

Name J. Anjaline sneha

Unit wise Progress

Assessment scores

Week 1: Assignment 1: 40.0
Week 2: Assignment 2: 40.0
Week 3: Assignment 3: -
Week 4: Assignment 4: 60.0



Date enrolled 2023-07-19

Email anusuyav1209@gmail.com

Name Anusuya V



8.33%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: **50.0**

Week 2: Assignment 2: **80.0**

Week 3: Assignment 3: **70.0**

Week 4: Assignment 4: **60.0**



Date enrolled 2023-08-01

Email deepakambal2003@gmail.com

Name DEEPAK RAJ.T



25.0%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: **60.0**

Week 2: Assignment 2: **60.0**

Week 3: Assignment 3: **60.0**

Week 4: Assignment 4: **70.0**



Date enrolled 2023-07-19

Email devadharsini1902@gmail.com

Name Devadharsini.B



Unit wise Progress

Assessment scores

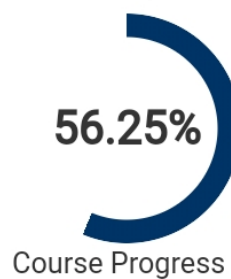
Week 1: Assignment 1:	30.0
Week 2: Assignment 2:	40.0
Week 3: Assignment 3:	60.0
Week 4: Assignment 4:	70.0



Date enrolled 2023-08-11

Email dhivyamuthu978@gmail.com

Name M Dhivya Dharshini



Unit wise Progress

Assessment scores

Week 1: Assignment 1:	50.0
Week 2: Assignment 2:	40.0
Week 3: Assignment 3:	60.0
Week 4: Assignment 4:	-



Date enrolled 2023-07-19

Email durgadevi200300@gmail.com

Name DurgaDevi.G



8.33%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: 40.0

Week 2: Assignment 2: -

Week 3: Assignment 3: 60.0

Week 4: Assignment 4: -



Date enrolled 2023-07-19

Email gururagavan002@gmail.com

Name R.K.Guru ragavan

100.0%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: 50.0

Week 2: Assignment 2: 60.0

Week 3: Assignment 3: 60.0

Week 4: Assignment 4: 70.0



Date enrolled 2023-07-19

Email hariharan2002dh@gmail.com

Name D. Hariharan

45.83%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: 50.0

Week 2: Assignment 2: 40.0

Week 3: Assignment 3: 60.0

Week 4: Assignment 4: 70.0



Date enrolled 2023-07-28

Email jshree1206@gmail.com

Name Jaishree.A

18.75%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: 50.0

Week 2: Assignment 2: 40.0

Week 3: Assignment 3: 60.0

Week 4: Assignment 4: 70.0



Date enrolled 2023-07-19

Email jj962570@gmail.com

Name Janani.B

10.42%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: 50.0

Week 2: Assignment 2: 40.0

Week 3: Assignment 3: 70.0

Week 4: Assignment 4: 70.0



Date enrolled 2023-07-19

Email jothikaganesan23102002@gmail.com

Name JOTHIKA G

8.33%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: 50.0

Week 2: Assignment 2: 40.0

Week 3: Assignment 3: -

Week 4: Assignment 4: 70.0



Date enrolled 2023-07-19

Email ananyakavi18@gmail.com

Name Kavi Nila



4.17%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: 50.0

Week 2: Assignment 2: -

Week 3: Assignment 3: 60.0

Week 4: Assignment 4: -



Date enrolled 2023-07-19

Email skeertiga007@gmail.com

Name S keertiga



8.33%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: 50.0

Week 2: Assignment 2: 70.0

Week 3: Assignment 3: 60.0

Week 4: Assignment 4: 70.0



Date enrolled 2023-07-19

Email krithickjoy242@gmail.com

Name Kirthick vasan. s



8.33%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: 50.0

Week 2: Assignment 2: 10.0

Week 3: Assignment 3: 60.0

Week 4: Assignment 4: 70.0



Date enrolled 2023-07-19

Email wlogesh234@gmail.com

Name Logeshwaran M



10.42%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: 50.0

Week 2: Assignment 2: -

Week 3: Assignment 3: 60.0

Week 4: Assignment 4: 70.0



Date enrolled 2023-07-27

Email mahalakshmir186@gmail.com

Name Mahalakshmi.R

18.75%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: 50.0

Week 2: Assignment 2: 40.0

Week 3: Assignment 3: 60.0

Week 4: Assignment 4: 70.0



Date enrolled 2023-07-19

Email maniyarasir3@gmail.com

Name Maniyarasi. R

39.58%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: 40.0

Week 2: Assignment 2: 50.0

Week 3: Assignment 3: 70.0

Week 4: Assignment 4: 60.0



Date enrolled 2023-07-19

Email nandhinikamali2003@gmail.co

Name Nandhinikamali2003@gmail.co

8.33%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: **60.0**

Week 2: Assignment 2: **0.0**

Week 3: Assignment 3: **70.0**

Week 4: Assignment 4: **70.0**



Date enrolled 2023-07-19

Email kumarsenthil18667@gmail.com

Name Natika. K.S

52.08%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: **50.0**

Week 2: Assignment 2: **60.0**

Week 3: Assignment 3: **60.0**

Week 4: Assignment 4: **70.0**



Date enrolled 2023-07-19

Email naveenprakash697@gmail.com

Name G.Navin

58.33%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: 40.0

Week 2: Assignment 2: -

Week 3: Assignment 3: 60.0

Week 4: Assignment 4: 70.0



Date enrolled 2023-07-19

Email nivya7181@gmail.com

Name P.Nivya



8.33%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: -

Week 2: Assignment 2: 40.0

Week 3: Assignment 3: -

Week 4: Assignment 4: 70.0



Date enrolled 2023-07-19

Email preethiselvakumar2002@gmail.com

Name S. Preethi



Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: 50.0

Week 2: Assignment 2: 40.0

Week 3: Assignment 3: 60.0

Week 4: Assignment 4: 70.0



Date enrolled 2023-07-19

Email pddharshini3@gmail.com

Name Priyadharshini.j



Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: 50.0

Week 2: Assignment 2: 40.0

Week 3: Assignment 3: 60.0

Week 4: Assianment 4: 70.0

click to status

Date enrolled 2023-07-27

Email r.priyanganarajappa16082002@gmail.com

Name R.priyanga

Unit wise Progress

Assessment scores

Week 1: Assignment 1: 50.0

Week 2: Assignment 2: -

Week 3: Assignment 3: 50.0

Week 4: Assignment 4: 70.0



Date enrolled 2023-07-19

Email rockranjith6995@gmail.com

Name Ranjith



Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: 50.0

Week 2: Assignment 2: -

Week 3: Assignment 3: 60.0

Week 4: Assignment 4: 70.0

Date enrolled 2023-07-19

Email sandysansandeep02@gmail.com

Name Sandeep.R



Unit wise Progress

Assessment scores

Week 1: Assignment 1:	50.0
Week 2: Assignment 2:	60.0
Week 3: Assignment 3:	60.0
Week 4: Assignment 4:	70.0

NPTEL » Biomedical Nanotechnology



Date enrolled 2023-07-19

Email sathishkannan7628@gmail.com

Name Sathish Kannan.S



6.25%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1:	50.0
Week 2: Assignment 2:	40.0
Week 3: Assignment 3:	-

Date enrolled 2023-07-19

Email 8438145580.shafrin@gmail.com

Name Shafrin.S



8.33%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: 60.0

Week 2: Assignment 2: 40.0

Week 3: Assignment 3: 70.0

Week 4: Assignment 4: 60.0



Date enrolled 2023-07-20

Email vpriya13122002@gmail.com

Name V.Shanmugapriya



8.33%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: 70.0

Week 2: Assignment 2: 60.0

Week 3: Assignment 3: 60.0

Week 4: Assignment 4: 60.0

NPTEL » Biomedical Nanotechnology



**Date
enrolled**

2023-07-19

Email

sivasethumathavan@gmail.com

Name

Sivasethumathavan D



14.58%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: **50.0**

Week 2: Assignment 2: **40.0**

Week 3: Assignment 3: **60.0**

Week 4: Assignment 4: **70.0**

NPTEL » Biomedical Nanotechnology



Date enrolled

2023-07-19

Email

solaimani3k@gmail.com

Name

G.Solaimani



Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: **70.0**

Week 2: Assignment 2: **40.0**

Week 3: Assignment 3: **70.0**

Week 4: Assignment 4: **70.0**



Date enrolled 2023-07-19

Email suruthi8303@gmail.com

Name Suruthi. S

8.33%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: 50.0

Week 2: Assignment 2: 40.0

Week 3: Assignment 3: 60.0

Week 4: Assignment 4: 70.0



Date enrolled 2023-07-19

Email swathi17manjula@gmail.com

Name M.swathi shuki

41.67%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: 50.0

Week 2: Assignment 2: 40.0

Week 3: Assignment 3: 60.0

Week 4: Assignment 4: 70.0



Date enrolled 2023-07-19

Email aathithamizhan042@gmail.com

Name M.Tamilazhathi



8.33%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: 50.0

Week 2: Assignment 2: 40.0

Week 3: Assignment 3: 60.0

Week 4: Assignment 4: 70.0



Date
enrolled 2023-07-27

Email thenmozhiyavel2002@gmail.com

Name J. Then mozhi

54.17%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: 50.0

Week 2: Assignment 2: 40.0

Week 3: Assignment 3: 60.0

Week 4: Assignment 4: 70.0



Date enrolled 2023-07-21

Email thiyahalashmit@gmail.com

Name Thiyahalakshmi. T



Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: 50.0

Week 2: Assignment 2: 40.0

Week 3: Assignment 3: 60.0

Week 4: Assignment 4: 70.0



Date enrolled 2023-07-19

Email thirishamalini.t182@gmail.com

Name THIRISHAMALINI.T
8.33%
Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: 50.0

Week 2: Assignment 2: 40.0

Week 3: Assignment 3: 60.0

Week 4: Assignment 4: 70.0



Date enrolled 2023-07-19

Email venkatesh14052003@gmail.com

Name M.VENKATESH



4.17%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: 50.0

Week 2: Assignment 2: -

Week 3: Assignment 3: -

Week 4: Assignment 4: 70.0



Date enrolled 2023-07-19

Email ven26nila@gmail.com

Name Vennila.D



Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: 50.0

Week 2: Assignment 2: 40.0

Week 3: Assignment 3: 60.0

Week 4: Assignment 4: 70.0



Date enrolled 2023-07-19

Email vkmani0803@gmail.com

Name A. Vigneshwari



Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: 50.0

Week 2: Assignment 2: 40.0

Week 3: Assignment 3: 50.0

Week 4: Assignment 4: 70.0



Date enrolled 2023-08-02

Email janarthanan0054@gmail.com

Name JANARTHANAN.R



Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: 50.0

Week 2: Assignment 2: 60.0

Week 3: Assignment 3: 60.0

Week 4: Assignment 4: 70.0



Date enrolled 2023-08-02

Email madhanx52@gmail.com

Name Madhan.s



Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: -

Week 2: Assignment 2: 40.0

Week 3: Assignment 3: 60.0

Week 4: Assignment 4: 70.0



Date enrolled 2023-07-28

Email kumareshfzs@gmail.com

Name Kumaresh. A



Course Progress

Unit wise Progress

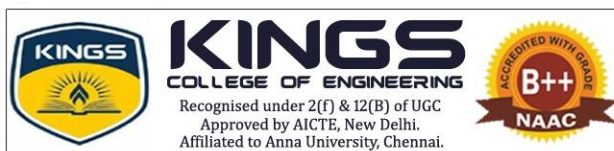
Assessment scores

Week 1: Assignment 1: -

Week 2: Assignment 2: 60.0

Week 3: Assignment 3: 60.0

Week 4: Assignment 4: 70.0



A REPORT

ON

“SWAYAM/NPTEL ONLINE COURSES”

FOR THE ACADEMIC YEAR 2023-2024 ODD SEMESTER.

FOR III ECE STUDENTS.



Organized by

Department of Electronics and Communication Engineering

KINGS COLLEGE OF ENGINEERING, PUNALKULAM

A NAAC Accredited Institution

Recognized under 2(f) & 12(B) of UGC

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)

Phone : 04362-282474, 282395

Website : www.kingsindia.net

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ACADEMIC YEAR 2023-2024 (ODD SEMESTER)

ABOUT THE SWAYAM / NPTEL ONLINE COURSE:

As per the Instruction given by our HOD, it was planned to conduct SWAYAM / NPTEL online course for **Third year ECE** students in 2023-2024 ODD semester.

The SWAYAM / NPTEL online course list was taken from the SWAYAM portal, and it was circulated to the students. Then they were asked to prefer any one course with four, six or twelve week duration.

All the 65 students have enrolled in 2 courses with 4 weeks duration.

COURSE 1: ELECTROCARDIOGRAM - Interpretation and Application In Clinical Practise

Course Start Date: 24th July 2023 and the Course End Date: 18th August 2023. (4 Weeks)

COURSE 2: PYTHON FOR DATA SCIENCE

Course Start Date: 24th July 2023 and the Course End Date: 18th August 2023. (4 Weeks)

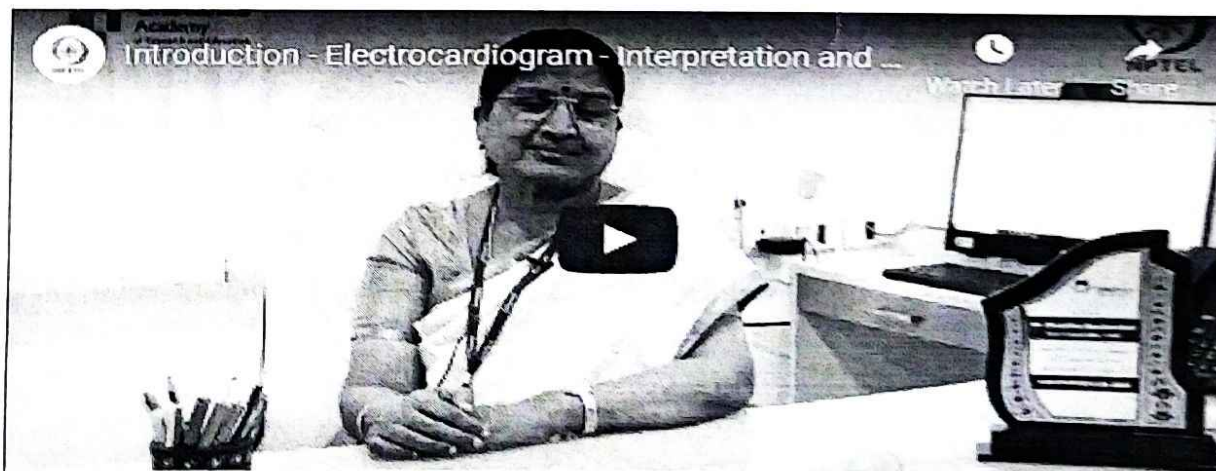
COURSE NAME: 1. ELECTROCARDIOGRAM - Interpretation and Application In Clinical Practise

Electrocardiogram - Interpretation And Application In Clinical Practice

By Multi Faculty | Chettinad Hospital and Research Institute

Go to course

Learners enrolled: 5885



This course was handled by by Multi Faculty | Chettinad Hospital and Research Institute.

The Course layout was scheduled as follows.

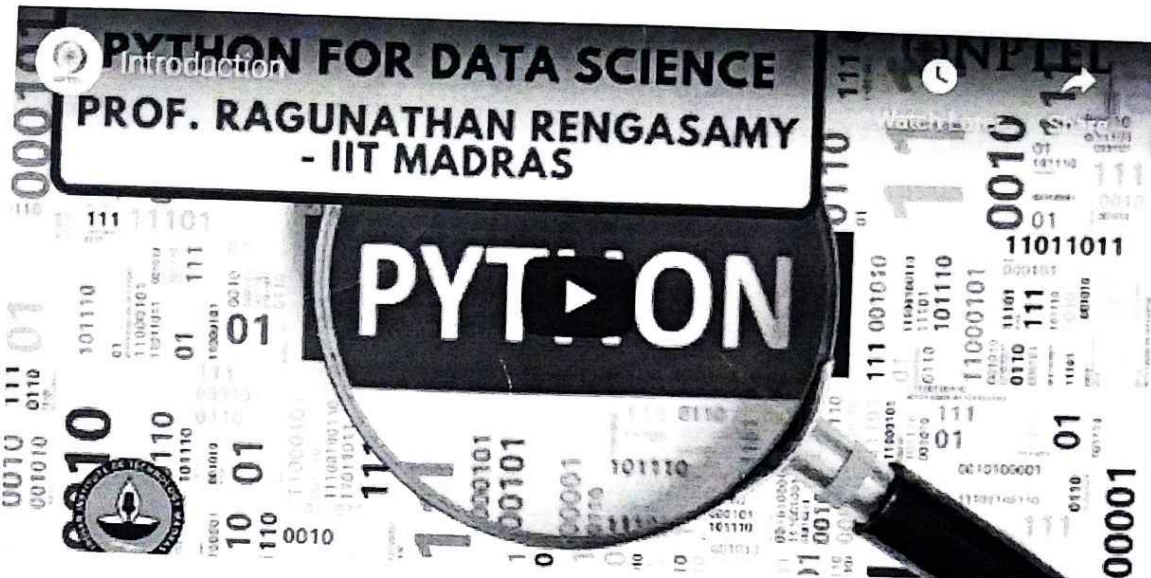
Week 1: Physiological principles - ECG basics

Week 2: Pathology

Week 3: General Medicine - Identifying dysarrythmias (With case scenarios)

Week 4: Cardiology - ECG application (With case scenarios)

COURSE NAME: 2. PYTHON FOR DATA SCIENCE



This course was handled by **Professor Ragunathan Rengasamy** from Indian Institute of Technology Madras.

The Course layout was scheduled as follows.

Week 1: BASICS OF PYTHON SPYDER (TOOL)

- Introduction Spyder
- Setting working Directory
- Creating and saving a script file
- File execution, clearing console, removing variables from environment, clearing environment
- Commenting script files
- Variable creation
- Arithmetic and logical operators
- Data types and associated operations

Week 2: Sequence data types and associated operations

- Strings
- Lists
- Arrays
- Tuples
- Dictionary
- Sets
- Range

NumPy

- ndarray

Week 3: Pandas dataframe and dataframe related operations on Toyota Corolla dataset

1. Reading files
2. Exploratory data analysis
3. Data preparation and preprocessing

Data visualization on Toyota Corolla dataset using matplotlib and seaborn libraries

1. Scatter plot
2. Line plot
3. Bar plot
4. Histogram
5. Box plot
6. Pair plot

Control structures using Toyota Corolla dataset

1. if-else family
2. for loop
3. for loop with if break
4. while loop

Functions

Week 4: CASE STUDY

Regression

Predicting price of pre-owned cars

Classification

1. Classifying personal income

OUTCOME:

- Students gained more knowledge on Python for data science and Electrocardiogram NPTEL courses.
- In **Python for data science**, they are having very clear idea about the basic python spyder tool, Sequence data types, NumPy, Pandas dataframe, Toyota Corolla dataset using matplotlib and seaborn libraries.
- In **Electrocardiogram**, they learned about the ECG basics, pathology and ECG applications.
- In Python for data science: Out of 65 students, 64 students have completed the course.
- In Electrocardiogram: Out of 65 students, 64 students have completed the course.

The students course progresses were attached below.

D. Venkatesh
12/12/23
IQAC member

du...
12/12/23
HOD / ECE
H.O.D.
ELECTRONICS AND COMMUNICATION ENGINEERING
KINGS COLLEGE OF ENGINEERING
PUNALKULAM - 613 303,
GANDHIVAKOTAI TALUK, PUNAKUTAI DISTRICT

J. Ramesh
12/12/2023
PRINCIPAL
PRINCIPAL
Kings College of Engineering,
PUNALKULAM - 613 303.

COURSE PROGRESS FOR PYTHON FOR DATA SCIENCE

  yuvarajravi777@gmail.com NPTEL » Python For Data Science ☰ Date enrolled 2023-07-22 Email yuvarajravi777@gmail.com Name Yuvaraj. R 7.69% Course Progress Unit wise Progress Assessment scores Week 1: Assignment 1: 100.0 Week 2: Assignment 2: 100.0 Week 3: Assignment 3: 100.0 Week 4: Assignment 4: 90.0	  Python For Data Scie...   onlinecourses.nptel.ac.in ☰ Date enrolled 2023-07-20 Email shakthi9865@gmail.com Name Gowsika 6.15% Course Progress Unit wise Progress Assessment scores Week 1: Assignment 1: 15.0 Week 2: Assignment 2: 90.0 Week 3: Assignment 3: 100.0 Week 4: Assignment 4: 90.0	12:09 PM 46.5KB/s    52%   ecourses.nptel.ac.in    renugadevir673@gmail.com NPTEL » Python For Data Science ☰ Date enrolled 2023-07-23 Email renugadevir673@gmail.com Name Renuga devi.S 7.58% Course Progress Unit wise Progress Assessment scores Week 1: Assignment 1: 10.0 Week 2: Assignment 2: 32.0 Week 3: Assignment 3: 95.0 Week 4: Assignment 4: 90.0
---	---	--

NPTEL » Python For Data Science ☰ Date enrolled2023-07-23 Emailertyjana@gmail.com NameJanarthanan 6.15% Course Progress Unit wise Progress Assessment scores Week 1: Assignment 1:95.0 Week 2: Assignment 2:81.0 Week 3: Assignment 3:20.0 Week 4: Assignment 4:90.0	NPTEL » Python For Data Science ☰ Date enrolled2023-07-19 Emailecpraveenkumarr@gmail.com NamePraveen kumar 7.69% Course Progress Unit wise Progress Assessment scores Week 1: Assignment 1:100.0 Week 2: Assignment 2:75.0 Week 3: Assignment 3:90.0 Week 4: Assignment 4:90.0	NPTEL » Python For Data Science ☰ Date enrolled2023-07-21 Emailrizwan6380454939@gmail.com NameMohamed rizwan 6.15% Course Progress Unit wise Progress Assessment scores Week 1: Assignment 1:100.0 Week 2: Assignment 2:100.0 Week 3: Assignment 3:100.0 Week 4: Assignment 4:90.0
NPTEL » Python For Data Science ☰ Date enrolled2023-07-23 Emailputhukaikettavanbgm@gmail.com NameMUKILYANNAN M Unit wise Progress Assessment scores Week 1: Assignment 1:100.0 Week 2: Assignment 2:100.0 Week 3: Assignment 3:90.0 Week 4: Assignment 4:90.0	NPTEL » Python For Data Science ☰ Date enrolled2023-08-07 Emailnithishaambal538@gmail.com NameNithish. K 7.69% Course Progress Unit wise Progress Assessment scores Week 1: Assignment 1:100.0 Week 2: Assignment 2:90.0 Week 3: Assignment 3:100.0 Week 4: Assignment 4:40.0	NPTEL » Python For Data Science ☰ Date enrolled2023-07-19 Emailhariniviji290@gmail.com NameHarinilakshmi.V 9.23% Course Progress Unit wise Progress Assessment scores Week 1: Assignment 1:100.0 Week 2: Assignment 2:100.0 Week 3: Assignment 3:100.0 Week 4: Assignment 4:90.0



Date enrolled 2023-07-19

Email pandimeenakumar2004@gmail.com

Name K. Pandimeena

Unit wise Progress

Assessment scores

Week 1: Assignment 1:	100.0
Week 2: Assignment 2:	100.0
Week 3: Assignment 3:	100.0
Week 4: Assignment 4:	90.0



Date enrolled 2023-07-26

Email suriyaprakash2k03@gmail.com

Name Suriya Prakash M

7.69%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1:	55.0
Week 2: Assignment 2:	2.0
Week 3: Assignment 3:	100.0
Week 4: Assignment 4:	90.0



Date enrolled 2023-07-22

Email harsharan242004@gmail.com

Name Harsharan

6.15%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1:	35.0
Week 2: Assignment 2:	12.0
Week 3: Assignment 3:	80.0
Week 4: Assignment 4:	70.0



Date enrolled 2023-08-04

Email someswaran271@gmail.com

Name T.someswaran

6.15%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1:	100.0
Week 2: Assignment 2:	90.0
Week 3: Assignment 3:	40.0
Week 4: Assignment 4:	90.0



Date enrolled 2023-07-19

Email yamuna22122003@gmail.com

Name D.Yamuna

6.15%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1:	100.0
Week 2: Assignment 2:	90.0
Week 3: Assignment 3:	100.0
Week 4: Assignment 4:	90.0



Date enrolled 2023-08-07

Email manimaligai18@gmail.com

Name Mani Kandan. S

6.15%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1:	15.0
Week 2: Assignment 2:	12.0
Week 3: Assignment 3:	100.0
Week 4: Assignment 4:	90.0

 abikavi2004@gmail.com NPTEL » Python For Data Science Date enrolled2023-07-26 Emailabikavi2004@gmail.com NameAbinitga. M 6.15% Course Progress Unit wise Progress Assessment scores Week 1: Assignment 1:95.0 Week 2: Assignment 2:75.0 Week 3: Assignment 3:- Week 4: Assignment 4:90.0	NPTEL » Python For Data Science Date enrolled2023-07-24 Emailseran2114@gmail.com NameSeran b 4.62% Course Progress Unit wise Progress Assessment scores Week 1: Assignment 1:100.0 Week 2: Assignment 2:88.0 Week 3: Assignment 3:- Week 4: Assignment 4:90.0	Python For Data Scie... onlinecourses.nptel.ac.in Date enrolled2023-07-20 Emailshakthi9865@gmail.com NameGowsika 6.15% Course Progress Unit wise Progress Assessment scores Week 1: Assignment 1:15.0 Week 2: Assignment 2:90.0 Week 3: Assignment 3:100.0 Week 4: Assignment 4:90.0
NPTEL » Python For Data Science Date enrolled2023-07-20 Emailnithishkrish5@gmail.com NameK.Nithish devi 4.62% Course Progress Unit wise Progress Assessment scores Week 1: Assignment 1:15.0 Week 2: Assignment 2:46.0 Week 3: Assignment 3:45.0 Week 4: Assignment 4:-	NPTEL » Python For Data Science Date enrolled2023-07-21 Emailbalrajkeerthika@gmail.com NameKeerthika. P 6.15% Course Progress Unit wise Progress Assessment scores Week 1: Assignment 1:100.0 Week 2: Assignment 2:100.0 Week 3: Assignment 3:100.0 Week 4: Assignment 4:90.0	NPTEL » Python For Data Science Date enrolled2023-07-28 Emailkalailove0507@gmail.com NameKalaiselvi 7.69% Course Progress Unit wise Progress Assessment scores Week 1: Assignment 1:100.0 Week 2: Assignment 2:90.0 Week 3: Assignment 3:100.0 Week 4: Assignment 4:-

NPTEL » Python For Data Science Date enrolled 2023-07-21 Email rashwini9785@gmail.com Name R. Ashwini 7.69% Course Progress Unit wise Progress Assessment scores Week 1: Assignment 1: 100.0 Week 2: Assignment 2: 100.0 Week 3: Assignment 3: 100.0 Week 4: Assignment 4: 100.0	swayam NPTEL » Python For Data Science Date enrolled 2023-07-25 Email prithishgopi07@gmail.com Name Prithish M 0.15% Unit wise Progress Assessment scores Week 1: Assignment 1: 100.0 Week 2: Assignment 2: 100.0 Week 3: Assignment 3: 95.0 Week 4: Assignment 4: 90.0	swayam NPTEL » Python For Data Science Date enrolled 2023-07-19 Email madhumithasankar99@gmail.com Name madhumitha.s 26.15% Unit wise Progress Assessment scores Week 1: Assignment 1: 100.0 Week 2: Assignment 2: 100.0 Week 3: Assignment 3: 100.0 Week 4: Assignment 4: 100.0
swayam thrapavi721@gmail.com NPTEL » Python For Data Science Date enrolled 2023-07-23 Email thrapavi721@gmail.com Name T.Sujithra 12.31% Course Progress Unit wise Progress Assessment scores Week 1: Assignment 1: 100.0 Week 2: Assignment 2: 95.0 Week 3: Assignment 3: 100.0 Week 4: Assignment 4: 80.0	NPTEL » Python For Data Science Date enrolled 2023-07-19 Email shalinibanu27@gmail.com Name G.Vadivu 7.69% Course Progress Unit wise Progress Assessment scores Week 1: Assignment 1: 100.0 Week 2: Assignment 2: 100.0 Week 3: Assignment 3: - Week 4: Assignment 4: 95.0	NPTEL » Python For Data Science Date enrolled 2023-07-19 Email rk4699685@gmail.com Name RAJKUMAR 26.15% Course Progress Unit wise Progress Assessment scores Week 1: Assignment 1: 95.0 Week 2: Assignment 2: 78.0 Week 3: Assignment 3: 100.0 Week 4: Assignment 4: 90.0

NPTEL » Python For Data Science



Date enrolled 2023-07-19

Email rmanimuthu6@gmail.com

Name Manoj

9.23%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: 25.0

Week 2: Assignment 2: 19.0

Week 3: Assignment 3: 100.0

Week 4: Assignment 4: 30.0

NPTEL » Python For Data Science



Date enrolled 2023-07-28

Email eniyaraselvam2004@gmail.com

Name Eniyarasi.P

6.15%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: 90.0

Week 2: Assignment 2: 90.0

Week 3: Assignment 3: 100.0

Week 4: Assignment 4: 90.0

NPTEL » Python For Data Science



Date enrolled 2023-07-20

Email gayathrisudhakar30@gmail.com

Name Gayathri.S

7.69%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: 100.0

Week 2: Assignment 2: 100.0

Week 3: Assignment 3: 100.0

Week 4: Assignment 4: 100.0

NPTEL » Python For Data Science



Date enrolled 2023-07-23

Email renugadevi673@gmail.com

Name Renduga devi.S

7.69%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: 10.0

Week 2: Assignment 2: 32.0

Week 3: Assignment 3: 95.0

Week 4: Assignment 4: 90.0

NPTEL » Python For Data Science



Date enrolled 2023-07-26

Email kalpanavincen02@gmail.com

Name Rani Chandra.V

7.69%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: 90.0

Week 2: Assignment 2: 78.0

Week 3: Assignment 3: 100.0

Week 4: Assignment 4: 90.0

NPTEL » Python For Data Science



Date enrolled 2023-07-22

Email oviya6088@gmail.com

Name Oviya.R

6.15%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: 100.0

Week 2: Assignment 2: 100.0

Week 3: Assignment 3: 10.0

Week 4: Assignment 4: 28.0

NPTEL » Python For Data Science Date enrolled 2023-07-25 Email mosikkeeran.p@gmail.com Name Mosikkeeran P 6.15% Course Progress Unit wise Progress Assessment scores Week 1: Assignment 1: 100.0 Week 2: Assignment 2: 90.0 Week 3: Assignment 3: 100.0 Week 4: Assignment 4: 90.0	NPTEL » Python For Data Science Date enrolled 2023-07-19 Email anithjohn77@gmail.com Name Anith apeli J 7.69% Course Progress Unit wise Progress Assessment scores Week 1: Assignment 1: 100.0 Week 2: Assignment 2: 100.0 Week 3: Assignment 3: 100.0 Week 4: Assignment 4: 90.0	swayam NPTEL » Python For Data Science Date enrolled 2023-07-19 Email yaseenwaseem805@gmail.com Name Mohamed yaseen, M Unit wise Progress Assessment scores Week 1: Assignment 1: 100.0 Week 2: Assignment 2: 100.0 Week 3: Assignment 3: 100.0 Week 4: Assignment 4: 90.0
swayam NPTEL » Python For Data Science swathivijayakumar23@gmail.com Date enrolled 2023-07-19 Email swathivijayakumar23@gmail.com Name Swathi, V 10.77% Course Progress Unit wise Progress Assessment scores Week 1: Assignment 1: 100.0 Week 2: Assignment 2: 100.0 Week 3: Assignment 3: 100.0 Week 4: Assignment 4: 90.0	NPTEL » Python For Data Science Date enrolled 2023-07-19 Email arivazhagangovinthan@gmail.com Name Arivazhagan, G 6.06% Course Progress Unit wise Progress Assessment scores Week 1: Assignment 1: 40.0 Week 2: Assignment 2: 36.0 Week 3: Assignment 3: 100.0 Week 4: Assignment 4: 100.0	swayam NPTEL » Python For Data Science strarun56@gmail.com Date enrolled 2023-07-19 Email strarun56@gmail.com Name ARUN S 6.06% Course Progress Unit wise Progress Assessment scores Week 1: Assignment 1: 100.0 Week 2: Assignment 2: 90.0 Week 3: Assignment 3: 100.0 Week 4: Assignment 4: 90.0



Date enrolled 2023-07-19

Email swathivijayakumar33@gmail.com

Name Swathi.V

10.61%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: 100.0

Week 2: Assignment 2: 100.0

Week 3: Assignment 3: 100.0

Week 4: Assignment 4: 90.0



Date enrolled 2023-07-19

Email dineshvolley44@gmail.com

Name Dinesh kumar k

7.58%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: 90.0

Week 2: Assignment 2: 80.0

Week 3: Assignment 3: 100.0

Week 4: Assignment 4: 90.0



Date enrolled 2023-07-19

Email yaseenwaseem005@gmail.com

Name Mohamed yaseen. M

9.09%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: 100.0

Week 2: Assignment 2: 100.0

Week 3: Assignment 3: 100.0

Week 4: Assignment 4: 90.0



Date enrolled 2023-07-19

Email ecpraveenkumarr@gmail.com

Name Praveen kumar

7.58%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: 100.0

Week 2: Assignment 2: 75.0

Week 3: Assignment 3: 90.0

Week 4: Assignment 4: 90.0



Date enrolled 2023-07-19

Email vijayadharshini249@gmail.com

Name Vijayadharshini.J

7.58%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: 100.0

Week 2: Assignment 2: 90.0

Week 3: Assignment 3: 100.0

Week 4: Assignment 4: 90.0



Date enrolled 2023-07-19

Email pandimeenakumar2004@gmail.com

Name K. Pandimeena

6.06%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: 100.0

Week 2: Assignment 2: 100.0

Week 3: Assignment 3: 100.0

Week 4: Assignment 4: 90.0



Date enrolled 2023-07-25

Email prithishgopi07@gmail.com

Name Prithish.M

6.06%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: 100.0

Week 2: Assignment 2: 100.0

Week 3: Assignment 3: 95.0

Week 4: Assignment 4: 90.0



Date enrolled 2023-07-23

Email thrapavi721@gmail.com

Name T.Sujithra

12.12%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: 100.0

Week 2: Assignment 2: 95.0

Week 3: Assignment 3: 100.0

Week 4: Assignment 4: 80.0



Date enrolled 2023-07-19

Email starcun56@gmail.com

Name ARUN S

6.06%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: 100.0

Week 2: Assignment 2: 90.0

Week 3: Assignment 3: 100.0

Week 4: Assignment 4: 90.0



dharshiniky23@gmail.com

NPTEL » Python For Data Science



Date enrolled 2023-07-20

Email dharshiniky23@gmail.com

Name Dharshini-k

6.06%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: 65.0

Week 2: Assignment 2: 26.0

Week 3: Assignment 3: 95.0

Week 4: Assignment 4: 90.0



www.jayaprasad4g@gmail.com

NPTEL » Python For Data Science



Date enrolled 2023-07-27

Email www.jayaprasad4g@gmail.com

Name Jaya Prasad.P

10.61%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: 45.0

Week 2: Assignment 2: 58.0

Week 3: Assignment 3: 45.0

Week 4: Assignment 4: 90.0



sudharsanp967@gmail.com

NPTEL » Python For Data Science



Date enrolled 2023-07-25

Email sudharsanp967@gmail.com

Name PSudharsan

7.58%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: 100.0

Week 2: Assignment 2: 100.0

Week 3: Assignment 3: 100.0

Week 4: Assignment 4: 90.0

NPTEL » Python For Data Science

Date enrolled 2023-07-19

Email sneharajalakshmanan@gmail.com

Name Sneharaj

4.55%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: 95.0

Week 2: Assignment 2: 88.0

Week 3: Assignment 3: 100.0

Week 4: Assignment 4: -



rowdyrajff@gmail.com

NPTEL » Python For Data Science



Date enrolled 2023-08-07

Email rowdyrajff@gmail.com

Name Rajkumar.D

9.09%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1: 20.0

Week 2: Assignment 2: 31.0

Week 3: Assignment 3: 100.0

Week 4: Assignment 4: 90.0



PA

NPTEL » Python For Data Science



Date enrolled 2023-07-19

Email punnijamoorthy719@gmail.com

Name C. M. Punnijamoorthy

Unit wise Progress

Assessment scores

Week 1: Assignment 1: 95.0

Week 2: Assignment 2: 75.0

Week 3: Assignment 3: -

Week 4: Assignment 4: -

krishnamoorthyvece@gmail.com NPTEL » Python For Data Science Date enrolled 2023-07-19 Email krishnamoorthyvece@gmail.com Name Krishnamoorthy V 7.58% Course Progress Unit wise Progress Assessment scores Week 1: Assignment 1: 100.0 Week 2: Assignment 2: 95.0 Week 3: Assignment 3: 100.0 Week 4: Assignment 4: 90.0	11:06 Python For Data Sci... onlinecourses.nptel.ac.in swayam prasanthasaravana284@gmail.com NPTEL » Python For Data Science Date enrolled 2023-07-27 Email prasanthasaravana284@gmail.com Name Saravanan s 9.09% Course Progress Unit wise Progress Assessment scores Week 1: Assignment 1: 30.0 Week 2: Assignment 2: 41.0 Week 3: Assignment 3: 90.0 Week 4: Assignment 4: 90.0	swayam madhumithasankar99@gmail.com NPTEL » Python For Data Science Date enrolled 2023-07-19 Email madhumithasankar99@gmail.com Name madhumitha.s 7.58% Course Progress Unit wise Progress Assessment scores Week 1: Assignment 1: 100.0 Week 2: Assignment 2: 100.0 Week 3: Assignment 3: 100.0 Week 4: Assignment 4: 100.0
11:08 Python For Data... onlinecourses.nptel.ac.in NPTEL » Python For Data Science Date enrolled 2023-07-21 Email sssbomu@gmail.com Name S.Somasundaram 19.7% Course Progress Unit wise Progress Assessment scores Week 1: Assignment 1: 100.0 Week 2: Assignment 2: 100.0 Week 3: Assignment 3: 90.0 Week 4: Assignment 4: 90.0	swayam kaushikaushi11902@gmail.com NPTEL » Python For Data Science Date enrolled 2023-07-21 Email kaushikaushi11902@gmail.com Name Kaushika Chand S 6.06% Course Progress Unit wise Progress Assessment scores Week 1: Assignment 1: 100.0 Week 2: Assignment 2: 100.0 Week 3: Assignment 3: 95.0 Week 4: Assignment 4: 100.0	



thrapavi721@gmail.com

NPTEL » Electrocardiogram - Interpretation And Application In Clinical Practice



Date enrolled 2023-07-23
Email thrapavi721@gmail.com
Name T.Sujithra
13.64%
Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1: 80.0
Week 2 : Assignment 2: 56.0
Week 3 : Assignment 3: 100.0
Week 4 : Assignment 4: 50.0



oviya6088@gmail.com

NPTEL » Electrocardiogram - Interpretation And Application In Clinical Practice



Date enrolled 2023-07-22
Email oviya6088@gmail.com
Name Oviya.R
6.82%
Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1: 80.0
Week 2 : Assignment 2: 67.0
Week 3 : Assignment 3: -
Week 4 : Assignment 4: 50.0



yuvrajravi777@gmail.com

NPTEL » Electrocardiogram - Interpretation And Application In Clinical Practice



Date enrolled 2023-07-25
Email yuvrajravi777@gmail.com
Name Yuvaraj. R
13.64%
Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1: 90.0
Week 2 : Assignment 2: 44.0
Week 3 : Assignment 3: 90.0
Week 4 : Assignment 4: 50.0



ertyjana@gmail.com

NPTEL » Electrocardiogram - Interpretation And Application In Clinical Practice



Date enrolled 2023-07-27
Email ertyjana@gmail.com
Name Janarthanan
9.09%
Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1: 80.0
Week 2 : Assignment 2: 67.0
Week 3 : Assignment 3: 50.0
Week 4 : Assignment 4: 30.0

NPTEL » Electrocardiogram - Interpretation And Application In Clinical Practice

Date enrolled 2023-07-19
Email sneharajalakshmanan@gmail.com
Name Sneharaj
11.36%
Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1: 80.0
Week 2 : Assignment 2: 67.0
Week 3 : Assignment 3: 100.0
Week 4 : Assignment 4: 50.0

NPTEL » Electrocardiogram - Interpretation And Application In Clinical Practice



Date enrolled 2023-07-27
Email rizwan6380454939@gmail.com
Name Mohamed rizwan
9.09%
Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1: 90.0
Week 2 : Assignment 2: 33.0
Week 3 : Assignment 3: 90.0
Week 4 : Assignment 4: 50.0



Date enrolled 2023-07-23

Email puthukaikettavanibgm@gmail.com

Name MUKILVANNAN M

Unit wise Progress

Assessment scores

Week 1 : Assignment 1:	80.0
Week 2 : Assignment 2:	44.0
Week 3 : Assignment 3:	90.0
Week 4 : Assignment 4:	50.0



Date enrolled 2023-08-07

Email nithishaambal538@gmail.com

Name Nithish, K

11.36%

Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1:	80.0
Week 2 : Assignment 2:	44.0
Week 3 : Assignment 3:	90.0
Week 4 : Assignment 4:	50.0



Date enrolled 2023-07-19

Email hariniviji290@gmail.com

Name Harinilakshmi.V

9.09%

Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1:	80.0
Week 2 : Assignment 2:	67.0
Week 3 : Assignment 3:	90.0
Week 4 : Assignment 4:	50.0



Date enrolled 2023-07-21

Email dharshiniky23@gmail.com

Name Dharshini-k

9.09%

Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1:	90.0
Week 2 : Assignment 2:	56.0
Week 3 : Assignment 3:	89.0
Week 4 : Assignment 4:	50.0



Date enrolled 2023-07-26

Email suriyaprakash2k03@gmail.com

Name Suriya Prakash M

13.64%

Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1:	90.0
Week 2 : Assignment 2:	56.0
Week 3 : Assignment 3:	80.0
Week 4 : Assignment 4:	50.0



Date enrolled 2023-07-25

Email hartharuna2412004@gmail.com

Name Hartharuna

11.36%

Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1:	90.0
Week 2 : Assignment 2:	67.0
Week 3 : Assignment 3:	80.0
Week 4 : Assignment 4:	50.0

NPTEL » Electrocardiogram - Interpretation
And Application In Clinical Practice



Date enrolled 2023-08-04
Email someswaran271@gmail.com
Name T.someswaran
9.09%
Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1: 80.0
Week 2 : Assignment 2: 56.0
Week 3 : Assignment 3: 40.0
Week 4 : Assignment 4: 40.0

NPTEL » Electrocardiogram - Interpretation
And Application In Clinical Practice



Date enrolled 2023-07-19
Email yamuna22122003@gmail.com
Name D.Yamuna
9.09%
Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1: 90.0
Week 2 : Assignment 2: 67.0
Week 3 : Assignment 3: 80.0
Week 4 : Assignment 4: 50.0

NPTEL » Electrocardiogram - Interpretation
And Application In Clinical Practice



Date enrolled 2023-08-07
Email manimaligai18@gmail.com
Name Mani Kandan. S
9.09%
Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1: 80.0
Week 2 : Assignment 2: 56.0
Week 3 : Assignment 3: 90.0
Week 4 : Assignment 4: 50.0

NPTEL » Electrocardiogram - Interpretation And
Application In Clinical Practice



Date enrolled 2023-07-26
Email abikavi2004@gmail.com
Name Abinilga. M
9.09%
Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1: 80.0
Week 2 : Assignment 2: 56.0
Week 3 : Assignment 3: -
Week 4 : Assignment 4: 50.0

NPTEL » Electrocardiogram - Interpretation
And Application In Clinical Practice



Date enrolled 2023-07-27
Email rajeshwarish08@gmail.com
Name Rajeshwari
9.09%
Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1: 70.0
Week 2 : Assignment 2: 56.0
Week 3 : Assignment 3: 90.0
Week 4 : Assignment 4: 20.0



NPTEL » Electrocardiogram - Interpretation And
Application In Clinical Practice



Date enrolled 2023-07-24
Email seran2114@gmail.com
Name Seran b
6.82%
Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1: 90.0
Week 2 : Assignment 2: 67.0
Week 3 : Assignment 3: -
Week 4 : Assignment 4: 50.0

NPTEL » Electrocardiogram - Interpretation And Application In Clinical Practice



Date enrolled 2023-07-24
Email shakthi9865@gmail.com
Name Gowsika

9.09%

Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1: 80.0
Week 2 : Assignment 2: 56.0
Week 3 : Assignment 3: 90.0
Week 4 : Assignment 4: 50.0

And Application In Clinical Practice



Date enrolled 2023-07-20
Email nityashkital5@gmail.com
Name K.Nithish devi

6.82%

Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1: 80.0
Week 2 : Assignment 2: 56.0
Week 3 : Assignment 3: 0.0
Week 4 : Assignment 4: -

NPTEL » Electrocardiogram - Interpretation And Application In Clinical Practice



Date enrolled 2023-07-28
Email kalailove0507@gmail.com
Name Kalaiselvi

6.82%

Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1: 70.0
Week 2 : Assignment 2: 44.0
Week 3 : Assignment 3: 90.0
Week 4 : Assignment 4: -

NPTEL » Electrocardiogram - Interpretation And Application In Clinical Practice



Date enrolled 2023-08-02
Email balrajkeerthika@gmail.com
Name Keerthika. P

9.09%

Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1: 80.0
Week 2 : Assignment 2: 44.0
Week 3 : Assignment 3: 90.0
Week 4 : Assignment 4: 50.0

NPTEL » Electrocardiogram - Interpretation And Application In Clinical Practice



Date enrolled 2023-07-21
Email rashwini9785@gmail.com
Name R. Ashwini

11.36%

Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1: 80.0
Week 2 : Assignment 2: 56.0
Week 3 : Assignment 3: 90.0
Week 4 : Assignment 4: 80.0



NPTEL » Electrocardiogram - Interpretation And Application In Clinical Practice



Date enrolled 2023-07-25
Email priyashgopi07@gmail.com
Name Priyash M

9.09%

Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1: 90.0
Week 2 : Assignment 2: 56.0
Week 3 : Assignment 3: 90.0
Week 4 : Assignment 4: 50.0

NPTEL » Electrocardiogram - Interpretation
And Application In Clinical Practice

Date enrolled 2023-07-23

Email thirunithikamaraj@gmail.com

Name Thirunithi_k



13.64%

Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1:	90.0
Week 2 : Assignment 2:	56.0
Week 3 : Assignment 3:	11.0
Week 4 : Assignment 4:	-



NPTEL » Electrocardiogram - Interpretation And A



Date enrolled 2023-07-19

Email madhumithasankar99@gmail.com

Name madhumitha.s

Unit wise Progress

Assessment scores

Week 1 : Assignment 1:	70.0
Week 2 : Assignment 2:	56.0
Week 3 : Assignment 3:	90.0
Week 4 : Assignment 4:	80.0

renugadevir673@gmail.com

NPTEL » Electrocardiogram - Interpretation
And Application In Clinical Practice

Date enrolled 2023-07-23

Email renugadevir673@gmail.com

Name Renuga devi.S



11.36%

Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1:	80.0
Week 2 : Assignment 2:	56.0
Week 3 : Assignment 3:	100.0
Week 4 : Assignment 4:	50.0

And Application In Clinical Practice



Date enrolled 2023-07-19

Email shalimbani27@gmail.com

Name G. Vadivu



13.64%

Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1:	60.0
Week 2 : Assignment 2:	56.0
Week 3 : Assignment 3:	-
Week 4 : Assignment 4:	80.0

NPTEL » Electrocardiogram - Interpretation
And Application In Clinical Practice

Date enrolled 2023-07-19

Email rk4699685@gmail.com

Name RAJKUMAR



43.18%

Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1:	40.0
Week 2 : Assignment 2:	56.0
Week 3 : Assignment 2:	90.0
Week 4 : Assignment 4:	50.0



rmanimuthu5@gmail.com

NPTEL » Electrocardiogram - Interpretation And
Application In Clinical Practice

Date enrolled 2023-07-19

Email rmanimuthu5@gmail.com

Name Manoj



9.09%

Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1:	70.0
Week 2 : Assignment 2:	56.0
Week 3 : Assignment 3:	40.0
Week 4 : Assignment 4:	20.0

V

NPTEL » Electrocardiogram - Interpretation And Application In Clinical Practice

☰

Date enrolled 2023-07-28

Email eniyaraselvam2004@gmail.com

Name Eniyarasel P

9.09%

Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1:	80.0
Week 2 : Assignment 2:	56.0
Week 3 : Assignment 3:	90.0
Week 4 : Assignment 4:	50.0

📈

NPTEL » Electrocardiogram - Interpretation And Application In Clinical Practice

☰

Date enrolled 2023-07-21

Email gayathrisathokar30@gmail.com

Name Gayathri S

13.64%

Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1	80.0
Week 2 : Assignment 2	67.0
Week 3 : Assignment 3	80.0
Week 4 : Assignment 4	80.0

📈

NPTEL » Electrocardiogram - Interpretation And Application In Clinical Practice

☰

Date enrolled 2023-07-19

Email arivazhaganvinthan@gmail.com

Name Arivazhagan G

9.09%

Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1:	70.0
Week 2 : Assignment 2:	44.0
Week 3 : Assignment 3:	22.0
Week 4 : Assignment 4:	50.0

ksiparavincen02@gmail.com =

NPTEL » Electrocardiogram - Interpretation And Application In Clinical Practice

☰

Date enrolled 2023-07-27

Email ksiparavincen02@gmail.com

Name Kasi Chandu V

13.64%

Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1:	90.0
Week 2 : Assignment 2:	56.0
Week 3 : Assignment 3:	90.0
Week 4 : Assignment 4:	50.0

NPTEL » Electrocardiogram - Interpretation And Application In Clinical Practice

☰

Date enrolled 2023-08-07

Email anithjohn77@gmail.com

Name Anith apel J

9.09%

Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1:	90.0
Week 2 : Assignment 2:	56.0
Week 3 : Assignment 3:	80.0
Week 4 : Assignment 4:	50.0

NPTEL » Electrocardiogram - Interpretation And Application In Clinical Practice

☰

Date enrolled 2023-07-25

Email mosikkeeran.p@gmail.com

Name Mosikkeeran P

6.82%

Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1:	30.0
Week 2 : Assignment 2:	56.0
Week 3 : Assignment 3:	-
Week 4 : Assignment 4:	50.0



sudharsanp967@gmail.com

NPTEL - Electrocardiogram - Interpretation And Application In Clinical Practice



Date enrolled 2023-07-25
Email sudharsanp967@gmail.com
Name P Sudharsan

9.09%

Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1:	80.0
Week 2 : Assignment 2:	56.0
Week 3 : Assignment 3:	100.0
Week 4 : Assignment 4:	50.0



www.jayaprasad4g@gmail.com

NPTEL - Electrocardiogram - Interpretation And Application In Clinical Practice



Date enrolled 2023-07-27
Email www.jayaprasad4g@gmail.com
Name Jaya Prasad P

20.45%

Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1:	70.0
Week 2 : Assignment 2:	80.0
Week 3 : Assignment 3:	56.0
Week 4 : Assignment 4:	80.0



rowdyrajff@gmail.com

NPTEL - Electrocardiogram - Interpretation And Application In Clinical Practice



Date enrolled 2023-08-07
Email rowdyrajff@gmail.com
Name Rajkumar D

9.09%

Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1:	30.0
Week 2 : Assignment 2:	56.0
Week 3 : Assignment 3:	100.0
Week 4 : Assignment 4:	90.0



NPTEL - Electrocardiogram - Interpretation And Application In Clinical Practice



Date enrolled 2023-07-19
Email purniyamoorthy719@gmail.com
Name C. M. Purniyamoorthy

Unit wise Progress

Assessment scores

Week 1 : Assignment 1:	80.0
Week 2 : Assignment 2:	44.0
Week 3 : Assignment 3:	-
Week 4 : Assignment 4:	-

NPTEL - Electrocardiogram - Interpretation And Application In Clinical Practice



Date enrolled 2023-07-19
Email krishnamoorthyvece@gmail.com
Name Krishnamoorthy V

9.09%

Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1:	80.0
Week 2 : Assignment 2:	67.0
Week 3 : Assignment 3:	100.0
Week 4 : Assignment 4:	50.0

11:05 52% 62%

Electrocardiogram - Interpretation And Application In Clinical Practice



prasanthsaravana264@gmail.com

NPTEL - Electrocardiogram - Interpretation And Application In Clinical Practice



Date enrolled 2023-07-27
Email prasanthsaravana264@gmail.com
Name Saravanan S

6.82%

Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1:	90.0
Week 2 : Assignment 2:	56.0
Week 3 : Assignment 3:	-
Week 4 : Assignment 4:	50.0



madhumithasanka99@gmail.com >

NPTEL - Electrocardiogram - Interpretation And Application in Clinical Practice

☰

Date enrolled2023-07-18

Emailmadhumithasanka99@gmail.com

Name
madhumitha S
9.09%
Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1:70.0

Week 2 : Assignment 2:96.0

Week 3 : Assignment 3:100.0

Week 4 : Assignment 4:80.0



ssdsonu11@gmail.com >

NPTEL - Electrocardiogram - Interpretation And Application in Clinical Practice

☰

Date enrolled2023-07-25

Emailssdsonu11@gmail.com

Name
S.Somasekharan
15.91%
Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1:90.0

Week 2 : Assignment 2:86.0

Week 3 : Assignment 3:100.0

Week 4 : Assignment 4:90.0

Announcement:
You are currently unsubscribed from course



ssdsonu1102@gmail.com >

NPTEL - Electrocardiogram - Interpretation And Application in Clinical Practice

☰

Date enrolled2023-07-25

Emailssdsonu1102@gmail.com

Name
Sushila Chand S
9.09%
Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1:80.0

Week 2 : Assignment 2:44.0

Week 3 : Assignment 3:80.0

Week 4 : Assignment 4:80.0



ssdsonu11@gmail.com >

NPTEL - Electrocardiogram - Interpretation And Application in Clinical Practice

☰

Date enrolled2023-07-27

Emailssdsonu11@gmail.com

Name
M. Subeltha
9.09%
Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1:90.0

Week 2 : Assignment 2:96.0

Week 3 : Assignment 3:-

Week 4 : Assignment 4:20.0



ssathirajayakumar23@gmail.com >

NPTEL - Electrocardiogram - Interpretation And Application in Clinical Practice

☰

Date enrolled2023-07-19

Emailssathirajayakumar23@gmail.com

Name
Swathi V
9.09%
Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1:80.0

Week 2 : Assignment 2:86.0

Week 3 : Assignment 3:100.0

Week 4 : Assignment 4:80.0



ssdsonu1102@gmail.com >

NPTEL - Electrocardiogram - Interpretation And Application in Clinical Practice

☰

Date enrolled2023-07-25

Emailssdsonu1102@gmail.com

Name
Sushila Chand S
9.09%
Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1:80.0

Week 2 : Assignment 2:44.0

Week 3 : Assignment 3:80.0

Week 4 : Assignment 4:80.0

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ACADEMIC YEAR 2023-2024 (EVEN SEMESTER)

SWAYAM EXECUTION STATUS

SWAYAM- Students Detail

S.No	Class	SWAYAM Course Title	No. of students Completed the Course	Status
1.	III ECE	EMBEDDED SYSTEM DESIGN WITH ARM	64/66	Progress Submitted
		CMOS DIGITAL VLSI DESIGN	64/66	Progress Submitted
2.	IV ECE	MEDICAL IMAGE ANALYSIS	43/46	Progress Submitted
		INTRODUCTION TO PROGRAMMING IN C	43/46	Progress Submitted

Note: III ECE 2 Long Absent & IV ECE 3 Long Absent

D. Venkatesh
25/3/24
IQAC member

Dr. S. Senthil
25/3/24
HOD / ECE
H.O.D.
ELECTRONICS AND COMMUNICATION ENGINEERING
KINGS COLLEGE OF ENGINEERING
PUNALKULAM - 613 303.
GANDARVAMOTTAI TALUK, PUDUKOTTAI DISTRICT

S. Senthil
25/3/24
PRINCIPAL
Principal
Kings College of Engineering
(Autonomous)
Punalkulam - 613 303

A REPORT

ON

“SWAYAM/NPTEL ONLINE COURSES”

FOR THE ACADEMIC YEAR 2023-2024 EVEN SEMESTER.

FOR IV ECE STUDENTS.



Organized by

Department of Electronics and Communication Engineering

KINGS COLLEGE OF ENGINEERING, PUNALKULAM

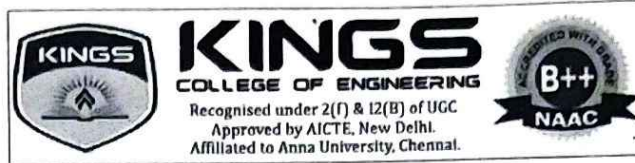
A NAAC Accredited Institution

Recognized under 2(f) & 12(B) of UGC

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)

Phone : 04362-282474, 282395

Website : www.kingsindia.net



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ACADEMIC YEAR 2023-2024 (EVEN SEMESTER)

ABOUT THE SWAYAM / NPTEL ONLINE COURSE:

As per the Instruction given by our HOD, it was planned to conduct SWAYAM / NPTEL online course for **Final year ECE** students in 2023-2024 EVEN semester.
The SWAYAM / NPTEL online course list was taken from the SWAYAM portal, and it was circulated to the students. Then they were asked to prefer any one course with four, six or twelve week duration.

Among the 46 students, 43 students have enrolled in 2 courses with 4 weeks & 8 weeks duration.

COURSE 1: MEDICAL IMAGE ANALYSIS

Course Start Date: 22nd Jan 2024 and the Course End Date: 16th Feb 2024. (4 Weeks)

COURSE 2: INTRODUCTION TO PROGRAMMING IN C

Course Start Date: 22nd Jan 2024 and the Course End Date: 15th March 2024. (8 Weeks)

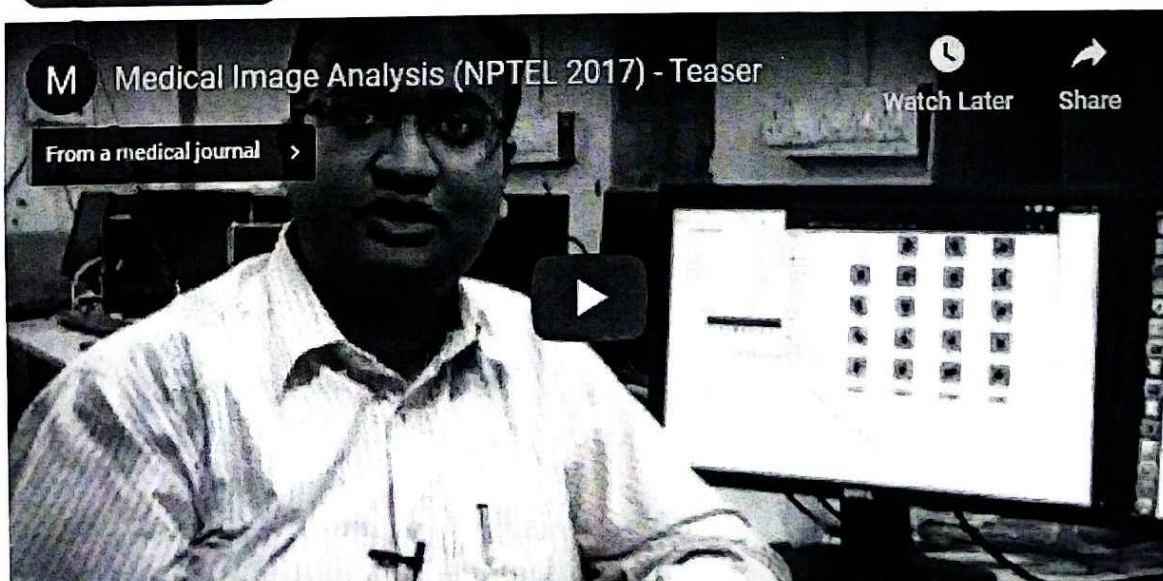
COURSE NAME: 1. MEDICAL IMAGE ANALYSIS

Medical Image Analysis

By Prof. Debdoot Sheet | IIT Kharagpur

[Go to course](#)

Learners enrolled: 2021 | Exam registration: 204



This course was handled by Prof. Debdoot sheet from IIT Kharagpur.

The Course layout was scheduled as follows.

Week 1: Introduction to medical imaging modalities and image analysis softwares.

Week 2: Feature extraction, segmentation, systematic evaluation and validation on datasets.

Week 3: Machine learning based approaches for segmentation and classification.

Week 4: Case studies on some recent advances in analysis of retinal, CT, MRI, ultrasound and histology images

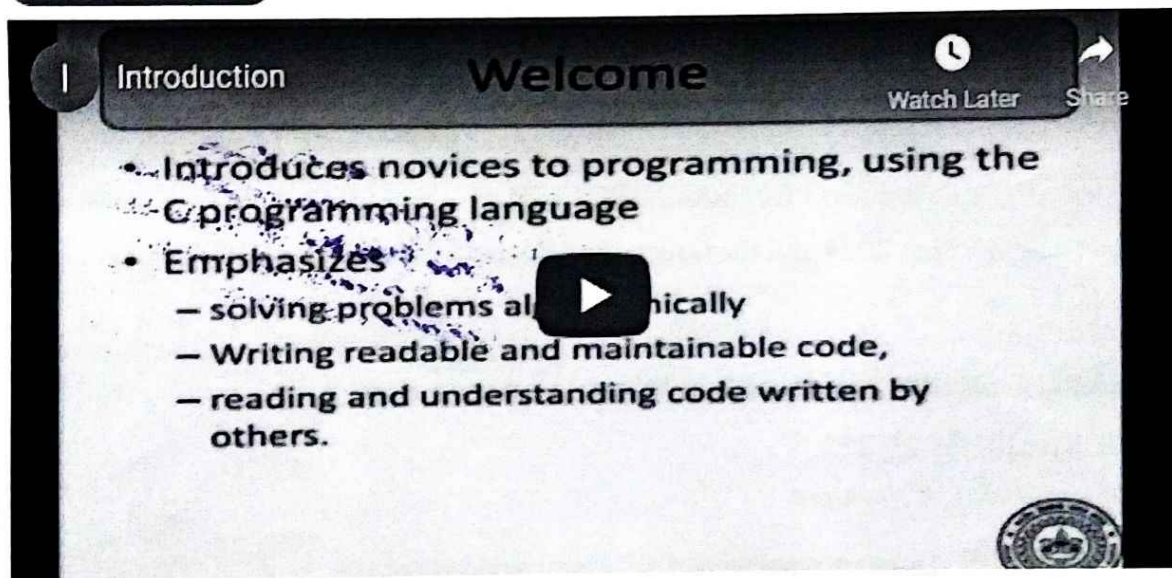
COURSE NAME: 2. INTRODUCTION TO PROGRAMMING IN C

Introduction to programming in C

By Prof. Satyadev Nandakumar | IIT Kanpur

[Go to course](#)

Learners enrolled: 46490 | Exam registration: 8138



This course was handled by **Professor Satyadev Nandakumar** from Indian Institute of Technology Kanpur.

The Course layout was scheduled as follows.

Week 1 : Introduction. Straight-Line Code. Variables, Operators, Expressions and Conditionals.

Week 2 : Loops

Week 3 : Functions

Week 4 : One-Dimensional Arrays and Pointers

Week 5 : Recursion

Week 6 : Multi-dimensional Arrays, Linked Lists.

Week 7 : Operating on Files

Week 8 : Organizing C projects, working with multiple source directories, make files.

OUTCOME:

- Students gained basic knowledge on Medical Image Analysis and Introduction to programming in C NPTEL courses.
 - In **Medical Image Analysis**, the students have learned about the medical imaging modalities and image analysis software. They also have learned about the Feature extraction, segmentation, systematic evaluation and validation done on dataset and by machine learning approach etc.
 - In **Introduction to programming in C**, they have learned about loops, functions, recursion and linked list etc. They can able to write programs on their own.
 - In both the courses, 43 students have enrolled and completed the course successfully
- The student's course progresses were attached below.


25/3/24.

IQAC member


25/3/24

HOD / ECE

H.O.D.

**ELECTRONICS AND COMMUNICATION ENGINEERING
KINGS COLLEGE OF ENGINEERING
PUNALKULAM - 613 303.
GANDAMPANGATTAL TALUK, PUDUKOTTAI DISTRICT**


25/3/24

PRINCIPAL

Principal

**Kings College of Engineering
(Autonomous)
Punalkulam - 613 303**

COURSE PROGRESS FOR MEDICAL IMAGE ANALYSIS

NPTEL » Medical Image Analysis



Date enrolled 2024-01-10
Email ajayallizwell@gmail.com
Name AJAY A



Unit wise Progress

Assessment scores

Week 1 : Assignment 1: 60.0
Week 2 : Assignment 2: 60.0
Week 3 : Assignment 3: 53.0
Week 4 : Assignment 4: 68.0

NPTEL » Medical Image Analysis



Date enrolled 2024-01-10
Email samkings2002@gmail.com
Name L Amar Samuel



Unit wise Progress

Assessment scores

Week 1 : Assignment 1: 50.0
Week 2 : Assignment 2: 65.0
Week 3 : Assignment 3: 47.0
Week 4 : Assignment 4: -

NPTEL » Medical Image Analysis



Date enrolled 2024-01-10
Email snehaanjalinesneha@gmail.com
Name J. Anjaline sneha



Unit wise Progress

Assessment scores

Week 1 : Assignment 1: 50.0
Week 2 : Assignment 2: 45.0
Week 3 : Assignment 3: 53.0
Week 4 : Assignment 4: -



devadharsini1902@gmail.com v

NPTEL » Medical Image Analysis



Date enrolled 2024-01-10
Email devadharsini1902@gmail.com
Name Devadharsini.B



Unit wise Progress

Assessment scores

Week 1 : Assignment 1: 50.0
Week 2 : Assignment 2: 55.0
Week 3 : Assignment 3: 59.0
Week 4 : Assignment 4: 63.0



Date enrolled 2024-01-10

Email anusuyav1209@gmail.com

Name Anusuya V

9.43%

Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1:	50.0
Week 2 : Assignment 2:	55.0
Week 3 : Assignment 3:	47.0
Week 4 : Assignment 4:	63.0



Date enrolled 2024-01-10

Email dhivyamuthu978@gmail.com

Name M Dhivya Dharshini

100.0%

Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1:	50.0
Week 2 : Assignment 2:	55.0
Week 3 : Assignment 3:	47.0
Week 4 : Assignment 4:	68.0

7:59



Date enrolled 2024-01-10

Email durgadevi200300@gmail.com

Name DurqaDevi.G

49.06%

Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1:	50.0
Week 2 : Assignment 2:	60.0
Week 3 : Assignment 3:	53.0
Week 4 : Assignment 4:	-

Announcement:

You are currently receiving course related emails. [Click here to unsubscribe.](#)



Date enrolled 2024-01-10

Email gururagavan002@gmail.com

Name R.K.Guru ragavan

62.26%

Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1:	60.0
Week 2 : Assignment 2:	55.0
Week 3 : Assignment 3:	47.0
Week 4 : Assignment 4:	68.0



hariharan2002dh@gmail.com

NPTEL » Medical Image Analysis



Date enrolled 2024-01-11

Email hariharan2002dh@gmail.com

Name D. Hariharan



Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1: 50.0

Week 2 : Assignment 2: 65.0

Week 3 : Assignment 3: 47.0

Week 4 : Assignment 4: 68.0

Announcement:
You are currently receiving course related emails. [Click here to unsubscribe.](#)

onlinecourses.nptel.ac.in



jshree1206@gmail.com

NPTEL » Medical Image Analysis



Date enrolled 2024-01-10

Email jshree1206@gmail.com

Name Jaishree.A



5.66%

Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1: 50.0

Week 2 : Assignment 2: 55.0

Week 3 : Assignment 3: 53.0

Week 4 : Assignment 4: -

Announcement:
You are currently receiving course related emails. [Click here to unsubscribe.](#)

Search...



NPTEL » Medical Image Analysis



Date enrolled 2024-01-10

Email jj962570@gmail.com

Name Janani.B



Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1: 50.0

Week 2 : Assignment 2: 60.0

Week 3 : Assignment 3: 53.0

Week 4 : Assignment 4: -

NPTEL » Medical Image Analysis



Date enrolled 2024-01-10

Email jothikaganesan23102002@gmail.com

Name JOTHIKA G



11.32%

Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1: 45.0

Week 2 : Assignment 2: 50.0

Week 3 : Assignment 3: 18.0

Week 4 : Assignment 4: 68.0

Announcement:
You are currently receiving course related emails. [Click here to unsubscribe.](#)

Week 4 : Assignment 4: **68.0**

NPTEL » Medical Image Analysis



Date enrolled 2024-02-01

Email maniyarasir3@gmail.com

Name Maniyarasir. R



Unit wise Progress

Assessment scores

Week 1 : Assignment 1: 50.0

Week 2 : Assignment 2: 65.0

Week 3 : Assignment 3: 53.0

Week 4 : Assignment 4: -

NPTEL » Medical Image Analysis



Date enrolled 2024-01-10

Email nandhinikamali2003@gmail.com

Name Nandhinikamali2003@gmail.com.

60.38%

Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1: 50.0

Week 2 : Assignment 2: 65.0

Week 3 : Assignment 3: 53.0

Week 4 : Assignment 4: 47.0



NPTEL » Medical Image Analysis



Date enrolled 2024-01-10

Email kumarsenthil18667@gmail.com

Name Natika. K.S



Unit wise Progress

Assessment scores

Week 1 : Assignment 1: 50.0

Week 2 : Assignment 2: -

Week 3 : Assignment 3: 53.0

Week 4 : Assignment 4: 68.0

NPTEL » Medical Image Analysis



Date enrolled 2024-01-10

Email nivya7181@gmail.com

Name P.Nivya



Unit wise Progress

Assessment scores

Week 1 : Assignment 1: 50.0

Week 2 : Assignment 2: 65.0

Week 3 : Assignment 3: 47.0

Week 4 : Assignment 4: 68.0

Announcement:



Date enrolled 2024-01-10
Email preethiselvakumar2002@gmail.com
Name S. Preethi



Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1: 50.0
Week 2 : Assignment 2: 55.0
Week 3 : Assignment 3: 53.0
Week 4 : Assignment 4: 68.0



Date enrolled 2024-01-10
Email pddharshini3@gmail.com
Name Priyadharshini.j



Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1: 45.0
Week 2 : Assignment 2: 55.0
Week 3 : Assignment 3: 47.0
Week 4 : Assignment 4: 68.0



Date enrolled 2024-01-10
Email rockranjith6995@gmail.com
Name Ranjith



Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1: 50.0
Week 2 : Assignment 2: 60.0
Week 3 : Assignment 3: 47.0
Week 4 : Assignment 4: 68.0



Date enrolled 2024-01-10
Email sandysansandeep02@gmail.com
Name Sandeep.R



Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1: 55.0
Week 2 : Assignment 2: -
Week 3 : Assignment 3: 24.0
Week 4 : Assignment 4: 26.0



10:37 Medical I... nurse.suptel.ac.in

NPTEL » Medical Image Analysis

☰

Date enrolled 2024-01-10

Email 8438145580.shaftrin@gmail.com

Name Shafrin.S

98.11%

Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1:	50.0
Week 2 : Assignment 2:	60.0
Week 3 : Assignment 3:	53.0
Week 4 : Assignment 4:	-

Announcement:

NPTEL » Medical Image Analysis

☰

Date enrolled 2024-01-10

Email swathi17manjula@gmail.com

Name M.swathi shuki

9.43%

Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1:	50.0
Week 2 : Assignment 2:	55.0
Week 3 : Assignment 3:	53.0
Week 4 : Assignment 4:	68.0

Announcement:

NPTEL » Medical Image Analysis

☰

Date enrolled 2024-01-10

Email sivasethumathavan@gmail.com

Name Sivasethumathavan D

96.23%

Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1:	60.0
Week 2 : Assignment 2:	55.0
Week 3 : Assignment 3:	53.0
Week 4 : Assignment 4:	68.0

Announcement:
You are currently receiving course related emails.

NPTEL » Medical Image Analysis

☰

Date enrolled 2024-01-10

Email solaimani3k@gmail.com

Name G.Solaimani

100.0%

Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1:	50.0
Week 2 : Assignment 2:	60.0
Week 3 : Assignment 3:	47.0
Week 4 : Assignment 4:	68.0

NPTEL » Medical Image Analysis



Date enrolled 2024-01-10

Email sathishkannan7628@gmail.com

Name Sathish Kannan.S



Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1: 50.0

Week 2 : Assignment 2: 65.0

Week 3 : Assignment 3: 47.0

Week 4 : Assignment 4: 68.0

NPTEL » Medical Image Analysis



Date enrolled 2024-01-10

Email suruthi8303@gmail.com

Name Suruthi. S

5.66%

Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1: 50.0

Week 2 : Assignment 2: -

Week 3 : Assignment 3: 59.0

Week 4 : Assignment 4: 74.0

Search...



NPTEL » Medical Image Analysis



Date enrllled 2024-01-10

Email aathithiamizhan042@gmail.cvm

Name M.Tamilazhathi



Cvurse Prvgress

Unit wise Prvgress

Assessment scores

Week 1 : Assignment 1: 50.0

Week 2 : Assignment 2: 65.0

Week 3 : Assignment 3: 47.0

Week 4 : Assignment 4: 68.0

NPTEL » Medical Image Analysis



Date enrolled 2024-01-10

Email thenmozhiyayavel2002@gmail.com

Name J.Then mozhi



Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1: 50.0

Week 2 : Assignment 2: 60.0

Week 3 : Assignment 3: 65.0

Week 4 : Assignment 4: 68.0



ven26nila@gmail.com

NPTEL » Medical Image Analysis



Date enrolled 2024-01-10
Email ven26nila@gmail.com
Name Vennila.D



Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1: 55.0
Week 2 : Assignment 2: 55.0
Week 3 : Assignment 3: 47.0
Week 4 : Assignment 4: 68.0

NPTEL » Medical Image Analysis



Date enrolled 2024-01-10
Email vkmani0803@gmail.com
Name A. Vigneshwari

13.21%

Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1: 40.0
Week 2 : Assignment 2: 50.0
Week 3 : Assignment 3: 47.0
Week 4 : Assignment 4: 68.0

NPTEL » Medical Image Analysis



Date enrolled 2024-01-10
Email thirishamalini.t182@gmail.com
Name THIRISHAMALINI.T
11.32%
Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1: 45.0
Week 2 : Assignment 2: 65.0
Week 3 : Assignment 3: 53.0
Week 4 : Assignment 4: 68.0

Announcement:
You are currently receiving course related

4G 1:46 0.60 MB/s VoLTE 4G 61

Medical I... ses.nptel.ac.in

NPTEL » Medical Image Analysis



Date enrolled 2024-02-05
Email madhanx52@gmail.com
Name Madhan.s

7.55%

Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1: 50.0
Week 2 : Assignment 2: 55.0
Week 3 : Assignment 3: 53.0
Week 4 : Assignment 4: -

NPTEL » Medical Image Analysis

Date enrolled

2024-02-05

Email

janarthanan0054@gmail.com

Name

JANARTHANAN.R

5.66%

Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1:

50.0

Week 2 : Assignment 2:

55.0

Week 3 : Assignment 3:

53.0

Week 4 : Assignment 4:

-

NPTEL » Medical Image Analysis

Date enrolled

2024-01-11

Email

kumareshfzs@gmail.com

Name

Kumaresh. A

100.0%

Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1:

50.0

Week 2 : Assignment 2:

55.0

Week 3 : Assignment 3:

59.0

Week 4 : Assignment 4:

68.0

Announcement:

You are currently receiving course related emails. [Click here to unsubscribe.](#)

FREE ONLINE EDUCATION

swayam

विद्यया ऽ मृतमश्नुते

NPTEL » Medical Image Analysis

Date enrolled

2024-01-10

Email

vpriya13122002@gmail.com

Name

V.Shanmugapriya

Unit wise Progress

Assessment scores

Week 1 : Assignment 1:

50.0

Week 2 : Assignment 2:

45.0

Week 3 : Assignment 3:

47.0

Week 4 : Assignment 4:

68.0

NPTEL » Medical Image Analysis

Date enrolled

2024-01-10

Email

thiyahalashmit@gmail.com

Name

Thiyahalakshmi. T

11.32%

Course Progress

Unit wise Progress

Assessment scores

Week 1 : Assignment 1:

50.0

Week 2 : Assignment 2:

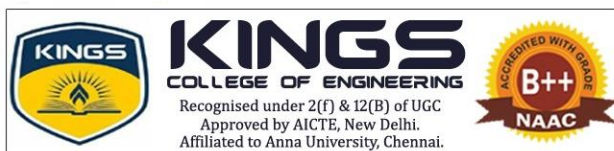
65.0

Week 3 : Assignment 3:

53.0

Week 4 : Assignment 4:

68.0



A REPORT

ON

“SWAYAM/NPTEL ONLINE COURSES”

FOR THE ACADEMIC YEAR 2023-2024 EVEN SEMESTER.

FOR III ECE STUDENTS.



Organized by

Department of Electronics and Communication Engineering

KINGS COLLEGE OF ENGINEERING, PUNALKULAM

A NAAC Accredited Institution

Recognized under 2(f) & 12(B) of UGC

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)

Phone : 04362-282474, 282395

Website : www.kingsindia.net

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ACADEMIC YEAR 2023-2024 (EVEN SEMESTER)

ABOUT THE SWAYAM / NPTEL ONLINE COURSE:

As per the Instruction given by our HOD, it was planned to conduct SWAYAM / NPTEL online course for **Third year ECE** students in 2023-2024 EVEN semester.

The SWAYAM / NPTEL online course list was taken from the SWAYAM portal, and it was circulated to the students. Then they were asked to prefer any one course with four, six or twelve week duration. Among the 66 students 64 students have enrolled in 2 courses with 8 weeks duration.

COURSE 1: EMBEDDED SYSTEM DESIGN WITH ARM

Course Start Date: 22nd Jan 2024 and the Course End Date: 15th March 2024. (8 Weeks)

COURSE 2: CMOS DIGITAL VLSI DESIGN

Course Start Date: 22nd Jan 2024 and the Course End Date: 15th March 2024. (8 Weeks)

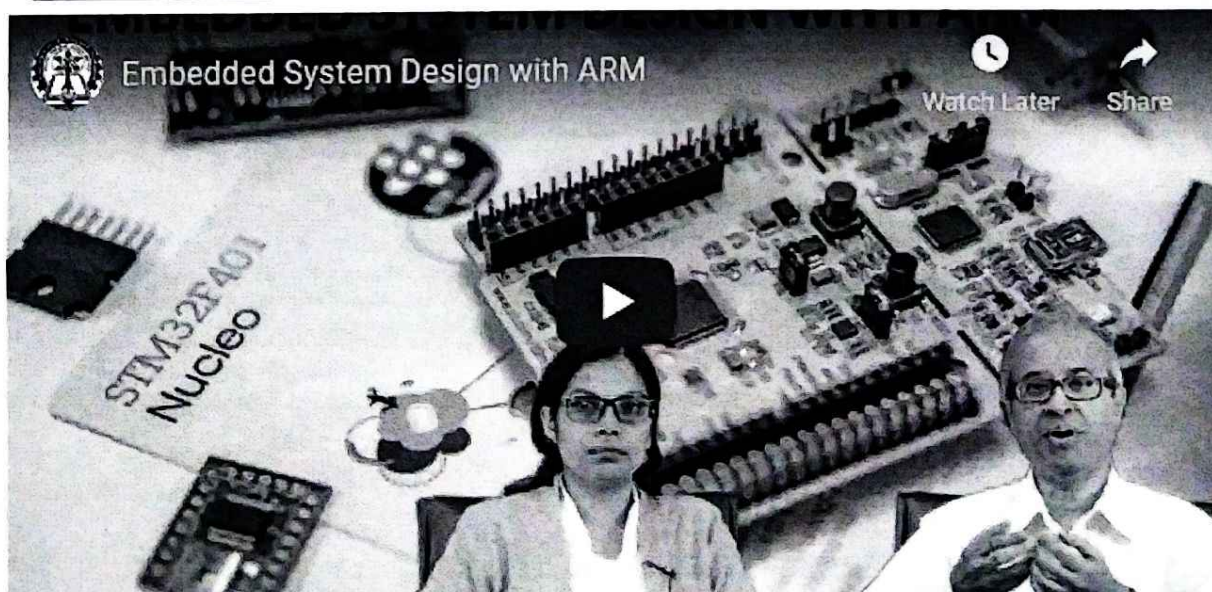
COURSE NAME: 1. EMBEDDED SYSTEM DESIGN WITH ARM

Embedded System Design with ARM

By Prof. Indranil Sengupta, Prof. Kamalika Datta | IIT Kharagpur

[Go to course](#)

Learners enrolled: 4997 | Exam registration: 860



This course was handled by Prof. Indranil Sengupta and Professor Kamalika Datta from IIT Kharagpur.

The Course layout was scheduled as follows.

Week 1 : Introduction to embedded systems and microcontrollers

Week 2 : Instruction set architecture of ARM microcontroller, and assembly language programming

Week 3 : D/A and A/D converter, sensors, actuators and their interfacing

Week 4 : Microcontroller development boards and embedded programming platforms

Week 5 : Hands-on and demonstration I: Temperature sensing unit, Light sensing unit, Sound sensing unit

Week 6 : Hands-on and demonstration II: Feedback control system, relay control unit, driving electrical appliances like motors, bulb, pump, etc.

Week 7 : Hands-on and demonstration III: Object tracking using GPS and GSM

Week 8 : Hands-on and demonstration IV: Introduction to Internet of Things, smart home concepts, motion sensing using accelerometer, control of appliances over SMS

COURSE NAME: 2. CMOS DIGITAL VLSI DESIGN

CMOS Digital VLSI Design

By Prof. Sudeb Dasgupta | IIT Roorkee

[Go to course](#)

Learners enrolled: 7340 | Exam registration: 1093



This course was handled by **Professor Satyadev Nandakumar** from Indian Institute of Technology Kanpur.

The Course layout was scheduled as follows.

Week 1 : MOS Transistor Basic-I; L2: MOS Transistor Basic-I; L3: MOS Transistor Basic-II; L4: MOS Parasitic & SPICE Model; L5: CMOS Inverter Basics-I

Week 2 : CMOS Inverter Basics-II; L2: CMOS Inverter Basics-III; L3: Power Analysis-I; L4: Power

Analysis-II; L5: SPICE Simulation-I

Week 3 : SPICE Simulation-II; L2: Combinational Logic Design-I; L3: Combinational Logic Design-II; L4: Combinational Logic Design-III; L5: Combinational Logic Design-IV

Week 4 : Combinational Logic Design-V; L2: Combinational Logic Design-VI; L3: Combinational Logic Design-VII; L4: Combinational Logic Design-VIII; L5: Combinational Logic Design-IX

Week 5 : Combinational Logic Design-X; L2: Logical Efforts-I; L3: Logical Efforts-II; L4: Logical Efforts-III; L5: Sequential Logic Design-I

Week 6 : Sequential Logic Design-II; L2: Sequential Logic Design-III; L3: Sequential Logic Design-IV; L4: Sequential Logic Design-V; L5: Sequential Logic Design-VI

Week 7 : Sequential Logic Design-VII; L2: Sequential Logic Design-VIII; L3: Clocking Strategies for Sequential Design-I; L4: Clocking Strategies for Sequential Design-II; L5: Clocking Strategies for Sequential Design-III

Week 8 : Clocking Strategies for Sequential Design-IV; L2: Sequential Logic Design-IX; L3: Clocking Strategies for Sequential Design-V; L4: Concept of Memory & its Designing-I; L5: Concept of Memory & its Designing-II

OUTCOME:

- Students gained more knowledge on **Embedded System Design with ARM and CMOS Digital VLSI Design** NPTEL courses.
 - In **Embedded System Design with ARM**, they have learned about the embedded systems and microcontrollers, D/A and A/D converter, sensors, actuators and their interfacing etc.
 - In **CMOS Digital VLSI Design**, they learned about the MOS Transistor Basic, CMOS Inverter Basics SPICE Simulation, Combinational Logic Design, Sequential Logic Design and Clocking Strategies for Sequential Design
 - In both the courses, 64 students have enrolled and successfully completed the course.
- The student's course progress was attached below.


25/3/24
IQAC member


25/3/24
HOD / ECE

H.O.D.
ELECTRONICS AND COMMUNICATION ENGINEERING
KINGS COLLEGE OF ENGINEERING
PUNAIKULAM - 613 303.
GANAPATHYKOTTAI TALUK, PUDUCHOTTAI DISTRICT


25/3/24
PRINCIPAL

Principal
Kings College of Engineering
(Autonomous)
Punalkulam - 613 303

COURSE PROGRESS FOR CMOS DIGITAL VLSI DESIGN

A.ABINASH

NPTEL » CMOS Digital VLSI Design

Date enrolled

2024-01-10

Email

abinashabinash208@gmail.com

Name

Abinash

4.05%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1:

-

Week 2: Assignment 2:

-

Week 3: Assignment 3:

30.0

Week 4: Assignment 4:

-

Week 5: Assignment 5:

50.0

Week 6: Assignment 6:

80.0

Week 7: Assignment 7:

-

Week 8: Assignment 8:

-

M.ABINITHA

NPTEL » CMOS Digital VLSI Design

Date enrolled

2024-01-10

Email

abinitha2004@gmail.com

Name

Abinitha, M

Unit wise Progress

Assessment scores

Week 1: Assignment 1:

75.0

Week 2: Assignment 2:

-

Week 3: Assignment 3:

30.0

Week 4: Assignment 4:

90.0

Week 5: Assignment 5:

50.0

Week 6: Assignment 6:

80.0

Week 7: Assignment 7:

50.0

Week 8: Assignment 8:

80.0

Announcement:

You are currently receiving course related emails. [Click here to unsubscribe.](#)

Discussion forum:

If you want to unsubscribe from forum [Click here](#)

G.ARIVAZHAGAN

NPTEL » CMOS Digital VLSI Design

Date enrolled

2024-01-10

Email

arivazhagangovinthan@gmail.com

Name

Arivazhagan, G

9.46%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1:

75.0

Week 2: Assignment 2:

-

Week 3: Assignment 3:

60.0

Week 4: Assignment 4:

40.0

Week 5: Assignment 5:

50.0

Week 6: Assignment 6:

70.0

Week 7: Assignment 7:

70.0

Week 8: Assignment 8:

60.0

S. ARUN

NPTEL » CMOS Digital VLSI Design

Date enrolled

2024-01-10

Email

strarun56@gmail.com

Name

ARUN S

9.46%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1:

75.0

Week 2: Assignment 2:

30.0

Week 3: Assignment 3:

30.0

Week 4: Assignment 4:

90.0

Week 5: Assignment 5:

50.0

Week 6: Assignment 6:

75.0

Week 7: Assignment 7:

30.0

Week 8: Assignment 8:

50.0

Announcement:

You are currently receiving course related emails. [Click here to unsubscribe.](#)

R.ASHWINI

NPTEL » CMOS Digital VLSI Design

Date enrolled

2024-01-10

Email

rashwini9785@gmail.com

Name

R. Ashwini

Unit wise Progress

Assessment scores

Week 1: Assignment 1:

75.0

Week 2: Assignment 2:

30.0

Week 3: Assignment 3:

30.0

Week 4: Assignment 4:

90.0

Week 5: Assignment 5:

50.0

Week 6: Assignment 6:

80.0

Week 7: Assignment 7:

70.0

Week 8: Assignment 8:

50.0

K.DHARSHINI

NPTEL » CMOS Digital VLSI Design

Date enrolled

2024-01-10

Email

dharshinikamaraj23@gmail.com

Name

Dharshini

9.46%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1:

38.0

Week 2: Assignment 2:

20.0

Week 3: Assignment 3:

30.0

Week 4: Assignment 4:

10.0

Week 5: Assignment 5:

40.0

Week 6: Assignment 6:

20.0

Week 7: Assignment 7:

-

Week 8: Assignment 8:

20.0

K.DINESH KUMAR



NPTEL » CMOS Digital VLSI Design



Date enrolled 2024-01-10

Email dineshvolley44@gmail.com

Name Dinesh kumar k

Unit wise Progress

Assessment scores

Week 1: Assignment 1:	75.0
Week 2: Assignment 2:	30.0
Week 3: Assignment 3:	30.0
Week 4: Assignment 4:	30.0
Week 5: Assignment 5:	50.0
Week 6: Assignment 6:	80.0
Week 7: Assignment 7:	70.0
Week 8: Assignment 8:	10.0

Announcement:
You are currently receiving course related emails. [Click here to unsubscribe.](#)

Discussion forum:

ENIYARASI P



eniyarasiselvam2004@gmail.com

NPTEL » CMOS Digital VLSI Design



Date enrolled 2024-01-25

Email eniyarasiselvam2004@gmail.com

Name Eniyarasi.P

9.46%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1:	88.0
Week 2: Assignment 2:	30.0
Week 3: Assignment 3:	-
Week 4: Assignment 4:	90.0
Week 5: Assignment 5:	50.0
Week 6: Assignment 6:	-
Week 7: Assignment 7:	70.0
Week 8: Assignment 8:	50.0

GATATHRI S

6:26:14



gayathrisudhakar30@gmail.com

NPTEL » CMOS Digital VLSI Design



Date enrolled 2024-01-10

Email gayathrisudhakar30@gmail.com

Name Gayathri.S

66.22%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1:	62.0
Week 2: Assignment 2:	30.0
Week 3: Assignment 3:	30.0
Week 4: Assignment 4:	20.0
Week 5: Assignment 5:	50.0
Week 6: Assignment 6:	80.0
Week 7: Assignment 7:	70.0
Week 8: Assignment 8:	50.0

GOWSIKA M



shakthi9865@gmail.com

NPTEL » CMOS Digital VLSI Design



Date enrolled 2024-01-10

Email shakthi9865@gmail.com

Name Gowika

Unit wise Progress

Assessment scores

Week 1: Assignment 1:	75.0
Week 2: Assignment 2:	30.0
Week 3: Assignment 3:	30.0
Week 4: Assignment 4:	90.0
Week 5: Assignment 5:	30.0
Week 6: Assignment 6:	-
Week 7: Assignment 7:	70.0
Week 8: Assignment 8:	20.0

Announcement:
You are currently receiving course related emails. [Click here to unsubscribe.](#)

Discussion forum:
[If you want to unsubscribe from forum Click here](#)

HARIHARAN A

9:39

0.00 KB 4G 97

NPTEL » CMOS Digital VLSI Design



Date enrolled 2024-01-10

Email hariharana2742004@gmail.com

Name Hariharan

9.46%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1:	62.0
Week 2: Assignment 2:	30.0
Week 3: Assignment 3:	30.0
Week 4: Assignment 4:	-
Week 5: Assignment 5:	20.0
Week 6: Assignment 6:	80.0
Week 7: Assignment 7:	-
Week 8: Assignment 8:	20.0

HARINILAKSHMI V

NPTEL » CMOS Digital VLSI Design



Date enrolled 2024-01-10

Email hariniviji290@gmail.com

Name Harinilakshmi.V

10.81%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1:	88.0
Week 2: Assignment 2:	30.0
Week 3: Assignment 3:	30.0
Week 4: Assignment 4:	90.0
Week 5: Assignment 5:	0.0
Week 6: Assignment 6:	80.0
Week 7: Assignment 7:	70.0
Week 8: Assignment 8:	50.0

JANARTHANAN V

9:28

CMOS Digital VLSI Design

NPTEL » CMOS Digital VLSI Design

Date enrolled2024-01-10

Emailerjyana@gmail.com

NameJanarthanan

Unit wise Progress

Assessment scores

Week 1: Assignment 1:	0.0
Week 2: Assignment 2:	10.0
Week 3: Assignment 3:	30.0
Week 4: Assignment 4:	-
Week 5: Assignment 5:	10.0
Week 6: Assignment 6:	80.0
Week 7: Assignment 7:	30.0
Week 8: Assignment 8:	80.0

Announcement

You are currently receiving course related emails. [Click here to unsubscribe.](#)

Discussion forum:

If you want to unsubscribe from forum [Click here](#)

JAYA PRASAD P

swayam

www.jayaprasad4g@gmail.com

NPTEL » CMOS Digital VLSI Design

Date enrolled2024-01-10

Emailwww.jayaprasad4g@gmail.com

NameJaya Prasad P

10.81%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1:	38.0
Week 2: Assignment 2:	30.0
Week 3: Assignment 3:	30.0
Week 4: Assignment 4:	90.0
Week 5: Assignment 5:	80.0
Week 6: Assignment 6:	80.0
Week 7: Assignment 7:	70.0
Week 8: Assignment 8:	92.0

Announcement

You are currently receiving course related emails. [Click here to unsubscribe.](#)

Discussion forum:

If you want to unsubscribe from forum [Click here](#)

KAUSHIKA CHAND S

swayam

kaushika11902@gmail.com

NPTEL » CMOS Digital VLSI Design

Date enrolled2024-01-10

Emailkaushika11902@gmail.com

NameKaushika Chand S

10.81%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1:	38.0
Week 2: Assignment 2:	38.0
Week 3: Assignment 3:	30.0
Week 4: Assignment 4:	40.0
Week 5: Assignment 5:	50.0
Week 6: Assignment 6:	-
Week 7: Assignment 7:	70.0
Week 8: Assignment 8:	50.0

Announcement

You are currently receiving course related emails. [Click here to unsubscribe.](#)

Discussion forum:

If you want to unsubscribe from forum [Click here](#)

KEERTHIKA P

NPTEL » CMOS Digital VLSI Design

Date enrolled2024-01-10

Emailbalrajkeerthika@gmail.com

NameKeerthika. P

12.16%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1:	75.0
Week 2: Assignment 2:	-
Week 3: Assignment 3:	30.0
Week 4: Assignment 4:	-
Week 5: Assignment 5:	50.0
Week 6: Assignment 6:	90.0
Week 7: Assignment 7:	50.0
Week 8: Assignment 8:	70.0

Announcement

You are currently receiving course related emails. [Click here to unsubscribe.](#)

Discussion forum:

If you want to unsubscribe from forum [Click here](#)

KEVAN JOANS J

swayam

stylishjoans41@gmail.com

NPTEL » CMOS Digital VLSI Design

Date enrolled2024-01-10

Emailstylishjoans41@gmail.com

NameKevan Joans J

Unit wise Progress

Assessment scores

Week 1: Assignment 1:	-
Week 2: Assignment 2:	30.0
Week 3: Assignment 3:	30.0
Week 4: Assignment 4:	90.0
Week 5: Assignment 5:	50.0
Week 6: Assignment 6:	80.0
Week 7: Assignment 7:	-
Week 8: Assignment 8:	70.0

Announcement

You are currently receiving course related emails. [Click here to unsubscribe.](#)

Discussion forum:

If you want to unsubscribe from forum [Click here](#)

KRISHNAMOORTHY V

swayam

krishnamoorthyvece@gmail.com

NPTEL » CMOS Digital VLSI Design

Date enrolled2024-01-10

Emailkrishnamoorthyvece@gmail.com

NameKrishnamoorthy V

8.11%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1:	75.0
Week 2: Assignment 2:	30.0
Week 3: Assignment 3:	-
Week 4: Assignment 4:	30.0
Week 5: Assignment 5:	50.0
Week 6: Assignment 6:	-
Week 7: Assignment 7:	30.0
Week 8: Assignment 8:	40.0

Announcement

You are currently receiving course related emails. [Click here to unsubscribe.](#)

Discussion forum:

If you want to unsubscribe from forum [Click here](#)

MAADHESWARAN K

NPTEL » CMOS Digital VLSI Design

Announcements About the Course Q&A Progress Monitor Review Design

If already registered, click to check your payment status

Date enrolled 2024-01-10

Email maadheshkumar2@gmail.com

Name Maadheshwaran K

Course outline

About NPTEL

How does an NPTEL online course work?

Unit wise Progress

Assessment scores

Week 0	Week 1: Assignment 1	75.0
Week 1	Week 2: Assignment 2	30.0
Week 2	Week 3: Assignment 3	30.0
Week 3	Week 4: Assignment 4	90.0
Week 4	Week 5: Assignment 5	50.0
Week 5	Week 6: Assignment 6	80.0
Week 6	Week 7: Assignment 7	70.0
Week 7	Week 8: Assignment 8	50.0
Week 8		

MADHUMITHA S

NPTEL » CMOS Digital VLSI Design

Date enrolled 2024-01-10

Email madhumithasankar99@gmail.com

Name madhumitha.s

Unit wise Progress

Assessment scores

Week 1: Assignment 1:	75.0
Week 2: Assignment 2:	-
Week 3: Assignment 3:	30.0
Week 4: Assignment 4:	60.0
Week 5: Assignment 5:	60.0
Week 6: Assignment 6:	80.0
Week 7: Assignment 7:	70.0
Week 8: Assignment 8:	50.0

MAHESWARAN D

NPTEL » CMOS Digital VLSI Design

Date enrolled 2024-01-10

Email devamahesh8116@gmail.com

Name MAHESWARAN D

100.0%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1:	75.0
Week 2: Assignment 2:	30.0
Week 3: Assignment 3:	30.0
Week 4: Assignment 4:	90.0
Week 5: Assignment 5:	50.0
Week 6: Assignment 6:	100.0
Week 7: Assignment 7:	70.0
Week 8: Assignment 8:	50.0

Announcement:

MANIKANDAN S

NPTEL » CMOS Digital VLSI Design

Date enrolled 2024-01-10

Email manimaligai18@gmail.com

Name Mani Kandan. S

10.81%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1:	75.0
Week 2: Assignment 2:	30.0
Week 3: Assignment 3:	30.0
Week 4: Assignment 4:	90.0
Week 5: Assignment 5:	50.0
Week 6: Assignment 6:	80.0
Week 7: Assignment 7:	70.0
Week 8: Assignment 8:	0.0

MANOJ KUMAR I

Progress

Unitwise Progress

Your Assessment scores

Week 01: Assignment 01	80
Week 02: Assignment 02	31
Week 03: Assignment 03	--
Week 04: Assignment 04	80
Week 05: Assignment 05	50
Week 06: Assignment 06	70
Week 07: Assignment 07	80
Week 08: Assignment 08	71

Subscribe/Unsubscribe(Announcement)

You are currently receiving course-related emails. [Click here to unsubscribe.](#)

Unsubscribe from Forum

If you want to unsubscribe from discussion forum, [Click here.](#)

MANOJ L

NPTEL » CMOS Digital VLSI Design

Date enrolled 2024-01-10

Email rmanimuthu6@gmail.com

Name Manoj

Unit wise Progress

Assessment scores

Week 1: Assignment 1:	75.0
Week 2: Assignment 2:	30.0
Week 3: Assignment 3:	30.0
Week 4: Assignment 4:	90.0
Week 5: Assignment 5:	50.0
Week 6: Assignment 6:	90.0
Week 7: Assignment 7:	70.0
Week 8: Assignment 8:	60.0

Announcement:

You are currently receiving course related emails. [Click here to unsubscribe.](#)

Discussion forum:

If you want to unsubscribe from forum [Click here](#)

WPEL - W DCC Digital Learning

Announcements About My Course **20%** Progress Metrics Review Assignment Course Recommendations

72.87%

Course Progress

If you're registered, click to start your payment today

Date enrolled: 1/23/2018
Email: thomask@wccnetdigital.com
Name: Miranda Ponce G

Unit wise Progress		
Assessment scores		
Week 0	Week 0 Assessment 1	75.0
Week 1	Week 1 Assessment 2	10.0
Week 2	Week 2 Assessment 1	10.0
Week 3	Week 3 Assessment 4	80.0
Week 4	Week 4 Assessment 1	60.0
Week 5	Week 5 Assessment 1	80.0
Week 6	Week 6 Assessment 1	70.0
Week 7	Week 7 Assessment 1	50.0
Week 8		

8:16

89%

yaseenwaseem005@gmail.com ▾

NPTEL » CMOS Digital VLSI Design

☰

Date enrolled

2024-01-10

Email

yaseenwaseem005@gmail.com

Name

Mohamed yaseen. M

70.27%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1:	75.0
Week 2: Assignment 2:	30.0
Week 3: Assignment 3:	30.0
Week 4: Assignment 4:	90.0
Week 5: Assignment 5:	50.0
Week 6: Assignment 6:	80.0
Week 7: Assignment 7:	70.0
Week 8: Assignment 8:	50.0

NPTEL > CMIS Digital UI Design

Announcements About the Course Q&A Progress **Worley** Review Assignment Course Recommendations

If already registered, click to check your payment status.

Course outline

About NPTEL

How does an NPTEL online course work?

	Week 0	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
	Week 0 Assignment 1	Week 1 Assignment 2	Week 1 Assignment 1	Week 1 Assignment 4	Week 2 Assignment 3	Week 3 Assignment 3	Week 4 Assignment 1	Week 4 Assignment 7	Week 5 Assignment 2
	75.0	10.0	10.0	90.0	50.0	90.0	70.0	50.0	

Date enrolled: 2024-01-10

Email: mskiveen.p@gmail.com

Name: MsKiveen P

Course Progress

Unit wise Progress

Assessment scores

4:09 PM

NO
LTE

onlinecourses.nptel.ac.in/1

puthukakettavan

NPTEL » CMOS Digital VLSI Design

Date enrolled

2024-01-11

Email

puthukakettavanbgn@gmail.com

Name

MUKILVANNAN M

Unit wise Progress

Assessment scores

Week 1: Assignment 1:	75.0
Week 2: Assignment 2:	30.0
Week 3: Assignment 3:	30.0
Week 4: Assignment 4:	90.0
Week 5: Assignment 5:	50.0
Week 6: Assignment 6:	100.0
Week 7: Assignment 7:	70.0
Week 8: Assignment 8:	50.0

Announcement:

You are currently receiving course related emails. [Click here to unsubscribe](#)

Discussion forum:

If you want to unsubscribe from forum [Click here](#)

NPTEL » CMOS Digital VLSI Design	
Date enrolled	2024-01-10
Email	nithishkrish5@gmail.com
Name	K.Nithish devi
8.11%	
Course Progress	
Unit wise Progress	
Assessment scores	
Week 1: Assignment 1:	75.0
Week 2: Assignment 2:	30.0
Week 3: Assignment 3:	30.0
Week 4: Assignment 4:	40.0
Week 5: Assignment 5:	10.0
Week 6: Assignment 6:	-
Week 7: Assignment 7:	-
Week 8: Assignment 8:	30.0

NPTEL » CMOS Digital VLSI Design	
☰	
Date enrolled	2024-01-10
Email	nithishk@gmail.com
Name	K.Nithish
8.11%	
Course Progress	
Unit wise Progress	
Assessment scores	
Week 1: Assignment 1:	75.0
Week 2: Assignment 2:	30.0
Week 3: Assignment 3:	30.0
Week 4: Assignment 4:	40.0
Week 5: Assignment 5:	10.0
Week 6: Assignment 6:	-
Week 7: Assignment 7:	-
Week 8: Assignment 8:	30.0

OVIYA R



NPTEL » CMOS Digital VLSI Design



Date enrolled 2024-01-11

Email oviya6088@gmail.com

Name Oviya.R

Unit wise Progress

Assessment scores

Week 1: Assignment 1:	75.0
Week 2: Assignment 2:	-
Week 3: Assignment 3:	20.0
Week 4: Assignment 4:	20.0
Week 5: Assignment 5:	50.0
Week 6: Assignment 6:	20.0
Week 7: Assignment 7:	10.0
Week 8: Assignment 8:	10.0

PANDIMEENA K



NPTEL » CMOS Digital VLSI Design



Date enrolled 2024-01-10

Email pandimeenakumar2004@gmail.com

Name K. Pandimeena

Unit wise Progress

Assessment scores

Week 1: Assignment 1:	75.0
Week 2: Assignment 2:	30.0
Week 3: Assignment 3:	30.0
Week 4: Assignment 4:	90.0
Week 5: Assignment 5:	50.0
Week 6: Assignment 6:	90.0
Week 7: Assignment 7:	50.0
Week 8: Assignment 8:	60.0

Announcement:
You are currently receiving course related emails. [Click here to unsubscribe](#)

Discussion forum:
If you want to unsubscribe from forum [Click here](#)

PRAGADHEESHWARAN P

11:32 AM

NPTEL » CMOS Digital VLSI Design



Date enrolled 2024-01-10

Email pragadheeshwaran@gmail.com

Name PRAGADHEESHWARAN P

9.46%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1:	75.0
Week 2: Assignment 2:	30.0
Week 3: Assignment 3:	30.0
Week 4: Assignment 4:	-
Week 5: Assignment 5:	50.0
Week 6: Assignment 6:	80.0
Week 7: Assignment 7:	70.0
Week 8: Assignment 8:	50.0

Announcement:
You are currently receiving course related emails. [Click](#)



NPTEL » CMOS Digital VLSI Design



Date enrolled 2024-01-10

Email prakashantony101@gmail.com

Name K.Prakash antony

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1:	75.0
Week 2: Assignment 2:	30.0
Week 3: Assignment 3:	30.0
Week 4: Assignment 4:	90.0
Week 5: Assignment 5:	50.0
Week 6: Assignment 6:	80.0
Week 7: Assignment 7:	70.0
Week 8: Assignment 8:	60.0

Announcement:
You are currently receiving course related emails. [Click here to unsubscribe](#).

Discussion forum:
If you want to unsubscribe from forum [Click here](#)

11:32 AM

NPTEL » CMOS Digital VLSI Design



Date enrolled 2024-01-10

Email praveenkumar68967@gmail.com

Name Praveen kumar R

9.46%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1:	75.0
Week 2: Assignment 2:	30.0
Week 3: Assignment 3:	30.0
Week 4: Assignment 4:	-
Week 5: Assignment 5:	50.0
Week 6: Assignment 6:	80.0
Week 7: Assignment 7:	70.0
Week 8: Assignment 8:	50.0

Announcement:
You are currently receiving course related emails. [Click](#)

PRITHISH M



courses.nptel.ac.in



4



NPTEL » CMOS Digital VLSI Design



Date enrolled 2024-01-10

Email prithishgopi07@gmail.com

Name Prithish.M

Unit wise Progress

Assessment scores

Week 1: Assignment 1:	75.0
Week 2: Assignment 2:	70.0
Week 3: Assignment 3:	30.0
Week 4: Assignment 4:	80.0
Week 5: Assignment 5:	50.0
Week 6: Assignment 6:	50.0
Week 7: Assignment 7:	80.0
Week 8: Assignment 8:	30.0

Announcement:
You are currently receiving course related emails. [Click here to unsubscribe](#).

PUNNIYAMOORTHY CM

7:46

onlinecourses.nptel.ac.in

swayam

NPTEL » CMOS Digital VLSI Design

Date enrolled2024-01-10

Emailpunniyamoorthy719@gmail.com

NameC. M. Punniyamoorthy

Unit wise Progress

Assessment scores

Week 1: Assignment 1:

30.0

Week 2: Assignment 2:

30.0

Week 3: Assignment 3:

-

Week 4: Assignment 4:

-

Week 5: Assignment 5:

-

Week 6: Assignment 6:

-

Week 7: Assignment 7:

-

Week 8: Assignment 8:

-

Announcement:

You are currently receiving course related emails. [Click here to unsubscribe.](#)

Discussion forum:

If you want to unsubscribe from forum [Click here](#)

RAJESHWARI T

swayam

NPTEL » CMOS Digital VLSI Design

Date enrolled2024-01-10

Emailrajeshwariesh08@gmail.com

NameRajeshwari

Unit wise Progress

Assessment scores

Week 1: Assignment 1:

88.0

Week 2: Assignment 2:

30.0

Week 3: Assignment 3:

30.0

Week 4: Assignment 4:

80.0

Week 5: Assignment 5:

-

Week 6: Assignment 6:

40.0

Week 7: Assignment 7:

70.0

Week 8: Assignment 8:

60.0

RAJKUMAR D

NPTEL » CMOS Digital VLSI Design

Date enrolled2024-01-10

Emailr9487589665@gmail.com

NameRaj Kumar

Unit wise Progress

Assessment scores

Week 1: Assignment 1:

75.0

Week 2: Assignment 2:

30.0

Week 3: Assignment 3:

30.0

Week 4: Assignment 4:

30.0

Week 5: Assignment 5:

30.0

Week 6: Assignment 6:

60.0

Week 7: Assignment 7:

50.0

Week 8: Assignment 8:

30.0

RANI CHANDRA V

NPTEL » CMOS Digital VLS Design

Date enrolled2024-01-30

Emailsabetha0511@gmail.com

NameMs SARBETHA

6.54%

Course Progress

Unit wise Progress

Assessment scores

Week 01: Assignment 01:

10.0

Week 02: Assignment 02:

-

Week 03: Assignment 03:

20.0

Week 04: Assignment 04:

-

Week 05: Assignment 05:

-

Week 06: Assignment 06:

23.0

Week 07: Assignment 07:

-

Week 08: Assignment 08:

43.0

RENUGA DEVI S

10:12 AM | 20.3KB/s

NPTEL » CMOS Digital VLSI Design

Date enrolled2024-01-10

Emailrenugadevir673@gmail.com

NameRenuga devi.S

10.81%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1:

75.0

Week 2: Assignment 2:

40.0

Week 3: Assignment 3:

30.0

Week 4: Assignment 4:

90.0

Week 5: Assignment 5:

50.0

Week 6: Assignment 6:

80.0

Week 7: Assignment 7:

20.0

Week 8: Assignment 8:

50.0

SABETHA M

NPTEL » CMOS Digital VLSI Design

Date enrolled2024-01-10

Emailsabetha0511@gmail.com

NameM. Sabetha

8.11%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1:

88.0

Week 2: Assignment 2:

-

Week 3: Assignment 3:

50.0

Week 4: Assignment 4:

50.0

Week 5: Assignment 5:

-

Week 6: Assignment 6:

50.0

Week 7: Assignment 7:

-

Week 8: Assignment 8:

30.0

SAJEEVAN M

NPTEL » CMOS Digital VLSI Design

Date enrolled

2024-01-11

Email

sanjusarj20021@gmail.com

Name

Sanjay

Unit wise Progress

Assessment scores

Week 01: Assignment 01:

60.0

Week 02: Assignment 02:

70.0

Week 03: Assignment 03:

60.0

Week 04: Assignment 04:

50.0

Week 05: Assignment 05:

50.0

Week 06: Assignment 06:

70.0

Week 07: Assignment 07:

60.0

Week 08: Assignment 08:

70.0

SANJAY V

9:31 AM

CMOS Digit...
courses.nptel.ac.in

swayam

sanjusarj20021@gmail.com

NPTEL » CMOS Digital VLSI Design

Date enrolled

2024-01-11

Email

sanjusarj20021@gmail.com

Name

Sanjay

Unit wise Progress

Assessment scores

Week 1: Assignment 1:

90.0

Week 2: Assignment 2:

50.0

Week 3: Assignment 3:

30.0

Week 4: Assignment 4:

90.0

Week 5: Assignment 5:

50.0

Week 6: Assignment 6:

80.0

Week 7: Assignment 7:

80.0

Week 8: Assignment 8:

60.0

Announcement:

You are currently receiving course related emails. [Click here to unsubscribe.](#)

Discussion forum:

If you want to unsubscribe from forum [Click here](#)

SARAVANAN S

8:59

NPTEL » CMOS Digital VLSI Design

Date enrolled

2024-01-10

Email

prasanthsaravana284@gmail.com

Name

Saravanan s

9.46%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1:

75.0

Week 2: Assignment 2:

30.0

Week 3: Assignment 3:

30.0

Week 4: Assignment 4:

80.0

Week 5: Assignment 5:

50.0

Week 6: Assignment 6:

-

Week 7: Assignment 7:

70.0

Week 8: Assignment 8:

20.0

Announcement:

You are currently receiving course related emails. [Click here to unsubscribe.](#)

SERAN B

12:15

swayam

seran2114@gmail.com

NPTEL » CMOS Digital VLSI Design

Date enrolled

2024-01-10

Email

seran2114@gmail.com

Name

Seran b

9.46%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1:

75.0

Week 2: Assignment 2:

-

Week 3: Assignment 3:

20.0

Week 4: Assignment 4:

90.0

Week 5: Assignment 5:

50.0

Week 6: Assignment 6:

-

Week 7: Assignment 7:

70.0

Week 8: Assignment 8:

60.0

SNEHARAJ

NPTEL » CMOS Digital VLSI Design

Date enrolled

2024-01-13

Email

sneharajalakshmanan@gmail.com

Name

Sneharaj

12.16%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1:

88.0

Week 2: Assignment 2:

30.0

Week 3: Assignment 3:

30.0

Week 4: Assignment 4:

30.0

Week 5: Assignment 5:

-

Week 6: Assignment 6:

80.0

Week 7: Assignment 7:

70.0

Week 8: Assignment 8:

70.0

SOMASUNDARAM S

8:07

NPTEL » CMOS Digital VLSI Design

Date enrolled

2024-01-10

Email

ssbsbom@gmail.com

Name

S.Somasundaram

47.3%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1:

62.0

Week 2: Assignment 2:

30.0

Week 3: Assignment 3:

30.0

Week 4: Assignment 4:

90.0

Week 5: Assignment 5:

50.0

Week 6: Assignment 6:

90.0

Week 7: Assignment 7:

80.0

Week 8: Assignment 8:

90.0

SOMESWARAN T

9:29 AM

courses.nptel.ac.in

NPTEL » CMOS Digital VLSI Design

Date enrolled2024-01-10

Emailsomeswaran271@gmail.com

NameT.someswaran

8.11%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1:75.0

Week 2: Assignment 2:30.0

Week 3: Assignment 3:-

Week 4: Assignment 4:90.0

Week 5: Assignment 5:50.0

Week 6: Assignment 6:-

SURIYA PRAKASH M

NPTEL » CMOS Digital VLSI Design

AnnouncementsAbout the CourseQ&AProgressMonitorReview

If already registered, click to check your payment status

Course outline

About NPTEL

How does an NPTEL online course work?

Week 0

Week 1

Week 2

Week 3

Week 4

Week 5

Week 6

Week 7

Week 8

Date enrolled2024-01-10

Emailsuriyaprakash2003@gmail.com

NameSuriya Prakash M

Unit wise Progress

Assessment scores

Week 1: Assignment 1:75.0

Week 2: Assignment 2:30.0

Week 3: Assignment 3:30.0

Week 4: Assignment 4:90.0

Week 5: Assignment 5:50.0

Week 6: Assignment 6:80.0

Week 7: Assignment 7:70.0

Week 8: Assignment 8:50.0

SUDHARSAN P

NPTEL » CMOS Digital VLSI Design

Date enrolled2024-01-10

Emailsudharsanp967@gmail.com

NameP.Sudharsan

Unit wise Progress

Assessment scores

Week 1: Assignment 1:75.0

Week 2: Assignment 2:30.0

Week 3: Assignment 3:30.0

Week 4: Assignment 4:90.0

Week 5: Assignment 5:50.0

Week 6: Assignment 6:90.0

Week 7: Assignment 7:70.0

Week 8: Assignment 8:60.0

Announcement:

You are currently receiving course related emails. [Click here to unsubscribe.](#)

Discussion forum:

If you want to unsubscribe from forum [Click here](#)

SWATHI V

swathivijayakumar23@gmail.com

NPTEL » CMOS Digital VLSI Design

Date enrolled2024-01-10

Emailswathivijayakumar23@gmail.com

NameSwathi.V

72.97%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1:75.0

Week 2: Assignment 2:30.0

Week 3: Assignment 3:30.0

Week 4: Assignment 4:90.0

Week 5: Assignment 5:50.0

Week 6: Assignment 6:80.0

Week 7: Assignment 7:70.0

Week 8: Assignment 8:50.0

Announcement:

You are currently receiving course related emails. [Click here](#)

SUJITHRA T

swayam

NPTEL » CMOS Digital VLSI Design

Date enrolled2024-01-10

Emailthrapavi721@gmail.com

NameT.Sujithra

Unit wise Progress

Assessment scores

Week 1: Assignment 1:75.0

Week 2: Assignment 2:-

Week 3: Assignment 3:30.0

Week 4: Assignment 4:90.0

Week 5: Assignment 5:50.0

Week 6: Assignment 6:90.0

Week 7: Assignment 7:70.0

Week 8: Assignment 8:70.0

Announcement:

You are currently receiving course related emails. [Click here to unsubscribe.](#)

Discussion forum:

If you want to unsubscribe from forum [Click here](#)

THIRUNITHI K

thirunithikamaraj@gmail.com

NPTEL » CMOS Digital VLSI Design

Date enrolled2024-01-10

Emailthirunithikamaraj@gmail.com

NameThirunithi_k

10.81%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1:-

Week 2: Assignment 2:-

Week 3: Assignment 3:-

Week 4: Assignment 4:90.0

Week 5: Assignment 5:30.0

Week 6: Assignment 6:-

Week 7: Assignment 7:20.0

Week 8: Assignment 8:20.0

Announcement:

You are currently receiving course related emails. [Click here to unsubscribe.](#)

Discussion forum:

If you want to unsubscribe from forum [Click here](#)

VADIVU G



NPTEL » CMOS Digital VLSI Design



Date enrolled 2024-01-10

Email shalinibanu27@gmail.com

Name G.Vadivu

Unit wise Progress

Assessment scores

Week 1: Assignment 1:	62.0
Week 2: Assignment 2:	30.0
Week 3: Assignment 3:	30.0
Week 4: Assignment 4:	60.0
Week 5: Assignment 5:	50.0
Week 6: Assignment 6:	90.0
Week 7: Assignment 7:	50.0
Week 8: Assignment 8:	70.0

VASIKARAN C

NPTEL » CMOS Digital VLSI Design



Date enrolled 2024-01-11

Email srijaany2002@gmail.com

Name Vasikaran C

Unit wise Progress

Assessment scores

Week 01: Assignment 01:	10.0
Week 02: Assignment 02:	70.0
Week 03: Assignment 03:	10.0
Week 04: Assignment 04:	10.0
Week 05: Assignment 05:	10.0
Week 06: Assignment 06:	70.0
Week 07: Assignment 07:	10.0
Week 08: Assignment 08:	70.0

VASU DEVA KRISHNAN S

NPTEL » CMOS Digital VLSI Design



Date enrolled 2024-01-10

Email senthilpssv@gmail.com

Name S.Vasu Deva Krishnan

Unit wise Progress

Assessment scores

Week 01: Assignment 01:	80.0
Week 02: Assignment 02:	26.0
Week 03: Assignment 03:	80.0
Week 04: Assignment 04:	-
Week 05: Assignment 05:	-
Week 06: Assignment 06:	40.0
Week 07: Assignment 07:	-
Week 08: Assignment 08:	43.0

Announcement:

You are currently receiving course related emails. [Click here to](#)

VIJAYADHARSHINI J

NPTEL » CMOS Digital VLSI Design



Date enrolled 2024-01-10

Email vijayadharshini249@gmail.com

Name Vijayadharshini.J

12.16%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1:	75.0
Week 2: Assignment 2:	30.0
Week 3: Assignment 3:	30.0
Week 4: Assignment 4:	80.0
Week 5: Assignment 5:	70.0
Week 6: Assignment 6:	80.0
Week 7: Assignment 7:	70.0
Week 8: Assignment 8:	60.0

YAMUNA D



NPTEL » CMOS Digital VLSI Design



Date enrolled 2024-01-11

Email yamuna22122003@gmail.com

Name D.Yamuna

Unit wise Progress

Assessment scores

Week 1: Assignment 1:	75.0
Week 2: Assignment 2:	30.0
Week 3: Assignment 3:	30.0
Week 4: Assignment 4:	90.0
Week 5: Assignment 5:	50.0
Week 6: Assignment 6:	90.0
Week 7: Assignment 7:	50.0
Week 8: Assignment 8:	60.0

YUVARAJ R



NPTEL » CMOS Digital VLSI Design



Date enrolled 2024-01-10

Email yuvarajravi777@gmail.com

Name Yuvaraj R

Unit wise Progress

Assessment scores

Week 1: Assignment 1:	70.0
Week 2: Assignment 2:	30.0
Week 3: Assignment 3:	30.0
Week 4: Assignment 4:	90.0
Week 5: Assignment 5:	00.0
Week 6: Assignment 6:	-
Week 7: Assignment 7:	70.0
Week 8: Assignment 8:	00.0

Announcement:

You are currently receiving course related emails. [Click here to unsubscribe.](#)

Discussion forum:

If you want to unsubscribe from forum [Click here](#)

RAAKESH T

NPTEL » CMOS Digital VLSI Design



Date enrolled 2024-01-10

Email r9487589665@gmail.com

Name Raj Kumar

Unit wise Progress

Assessment scores

Week 1: Assignment 1:	75.0
Week 2: Assignment 2:	30.0
Week 3: Assignment 3:	30.0
Week 4: Assignment 4:	30.0
Week 5: Assignment 5:	30.0
Week 6: Assignment 6:	60.0
Week 7: Assignment 7:	50.0
Week 8: Assignment 8:	30.0

RAJKUMAR R

NPTEL » CMOS Digital VLSI Design



Date enrolled 2024-01-10

Email r9487589665@gmail.com

Name Raj Kumar

Unit wise Progress

Assessment scores

Week 1: Assignment 1:	75.0
Week 2: Assignment 2:	30.0
Week 3: Assignment 3:	30.0
Week 4: Assignment 4:	30.0
Week 5: Assignment 5:	30.0
Week 6: Assignment 6:	60.0
Week 7: Assignment 7:	50.0
Week 8: Assignment 8:	30.0

SARABESH KUMAR S



NPTEL » CMOS Digital VLSI Design



Date enrolled 2024-01-10

Email sarabesh15@gmail.com

Name Sarabesh kumar S

4.05%

Course Progress

Unit wise Progress

Assessment scores

Week 1: Assignment 1:	-
Week 2: Assignment 2:	-
Week 3: Assignment 3:	-
Week 4: Assignment 4:	-
Week 5: Assignment 5:	50.0
Week 6: Assignment 6:	-
Week 7: Assignment 7:	70.0
Week 8: Assignment 8:	-

Announcement:
You are currently receiving course related emails. [Click here to unsubscribe.](#)

Discussion forum:
If you want to unsubscribe from forum [Click here](#)

ANITH APEL J



anithjohn77@gmail.c

NPTEL » CMOS Digital VLSI Design



Date enrolled 2024-01-10

Email anithjohn77@gmail.com

Name Anith apel. J

Unit wise Progress

Assessment scores

Week 1: Assignment 1:	75.0
Week 2: Assignment 2:	30.0
Week 3: Assignment 3:	30.0
Week 4: Assignment 4:	90.0
Week 5: Assignment 5:	50.0
Week 6: Assignment 6:	30.0
Week 7: Assignment 7:	70.0
Week 8: Assignment 8:	60.0

Announcement:
You are currently receiving course related emails. [Click here to unsubscribe.](#)

Discussion forum:
If you want to unsubscribe from forum [Click here](#)

COURSE PROGRESS ON EMBEDDED SYSTEM DESIGN WITH ARM

A.ABINASH

4G 4:48 74%

NPTEL » Embedded System Design with ARM

☰

Date enrolled 2024-01-10

Email abinashabinash208@gmail.com

Name Abinash

5.61%

Course Progress

Unit wise Progress

Assessment scores

Week 01: Assignment 01:	70.0
Week 02: Assignment 02:	-
Week 03: Assignment 03:	10.0
Week 04: Assignment 04:	-
Week 05: Assignment 05:	40.0
Week 06: Assignment 06:	70.0
Week 07: Assignment 07:	-
Week 08: Assignment 08:	-

M.ABINITHA

swayam

NPTEL » Embedded System Design with ARM

☰

Date enrolled 2024-01-10

Email abinikavi2004@gmail.com

Name Abinitha M

Unit wise Progress

Assessment scores

Week 01: Assignment 01:	80.0
Week 02: Assignment 02:	-
Week 03: Assignment 03:	60.0
Week 04: Assignment 04:	70.0
Week 05: Assignment 05:	60.0
Week 06: Assignment 06:	70.0
Week 07: Assignment 07:	80.0
Week 08: Assignment 08:	71.0

Announcement:

G.ARIVAZHAGAN

NPTEL » Embedded System Design with ARM

☰

Date enrolled 2024-01-10

Email arivazhagangovinthan@gmail.com

Name Arivazhagan. G

7.48%

Course Progress

Unit wise Progress

Assessment scores

Week 01: Assignment 01:	80.0
Week 02: Assignment 02:	54.0
Week 03: Assignment 03:	60.0
Week 04: Assignment 04:	65.0
Week 05: Assignment 05:	65.0
Week 06: Assignment 06:	77.0
Week 07: Assignment 07:	83.0
Week 08: Assignment 08:	57.0

S. ARUN

9:53

swayam

strarun56@gmail.com

NPTEL » Embedded System Design with ARM

☰

Date enrolled 2024-01-10

Email strarun56@gmail.com

Name ARUN S

4.67%

Course Progress

Unit wise Progress

Assessment scores

Week 01: Assignment 01:	80.0
Week 02: Assignment 02:	30.0
Week 03: Assignment 03:	60.0
Week 04: Assignment 04:	50.0
Week 05: Assignment 05:	50.0
Week 06: Assignment 06:	75.0
Week 07: Assignment 07:	30.0
Week 08: Assignment 08:	71.0

R.ASHWINI

swayam

NPTEL » Embedded System Design with ARM

☰

Date enrolled 2024-01-10

Email rashwini9785@gmail.com

Name R. Ashwini

Unit wise Progress

Assessment scores

Week 01: Assignment 01:	80.0
Week 02: Assignment 02:	54.0
Week 03: Assignment 03:	50.0
Week 04: Assignment 04:	80.0
Week 05: Assignment 05:	50.0
Week 06: Assignment 06:	70.0
Week 07: Assignment 07:	80.0
Week 08: Assignment 08:	71.0

10:18

NPTEL » Embedded System Design with ARM

☰

Date enrolled 2024-01-10

Email dharshinikamaraj23@gmail.com

Name Dharshini

7.48%

Course Progress

Unit wise Progress

Assessment scores

Week 01: Assignment 01:	80.0
Week 02: Assignment 02:	15.0
Week 03: Assignment 03:	65.0
Week 04: Assignment 04:	25.0
Week 05: Assignment 05:	25.0
Week 06: Assignment 06:	23.0
Week 07: Assignment 07:	-

KUMAR




NPTEL - Embedded System Design with ARM

Date enrolled

2024-01-10

Email

dhruvshrey44@gmail.com

Name

Dhruv Kumar K

9.35%

Course Progress

Unit wise Progress

Assessment scores

Week 01: Assignment 01:	80.0
Week 02: Assignment 02	54.0
Week 03: Assignment 03	60.0
Week 04: Assignment 04	30.0
Week 05: Assignment 05	50.0
Week 06: Assignment 06	70.0
Week 07: Assignment 07	80.0
Week 08: Assignment 08	29.0

Announcement

You are currently viewing course related events. [Click here to unsubscribe.](#)

Discussion Forum

If you want to unsubscribe from forum Click here:

P

S




eniyarasiselvam2004@gmail.com ▾

NPTEL » Embedded System Design with ARM

☰

Date enrolled

2024-01-25

Email

eniyarasiselvam2004@gmail.com

Name

Eniyarasi,P

5.61%

Course Progress

6:27:18

gayathrisudhakar30@gmail.com

NPTEL » Embedded System Design with ARM

Date enrolled

2024-01-10

Email

gayathrisudhakar30@gmail.com

Name

Gayathri S

58.88%

Course Progress

M




shakti065@gmail.com

NPTEL » Embedded System Design with ARM

Date enrolled: 2024-01-10

Email: shakti065@gmail.com

Name: Gowda

8.41%

Course Progress

Unit wise Progress

Assessment scores

Week 01: Assignment 01:	80.0
Week 02: Assignment 02:	54.0
Week 03: Assignment 03:	10.0
Week 04: Assignment 04:	80.0
Week 05: Assignment 05:	50.0
Week 06: Assignment 06:	-
Week 07: Assignment 07:	80.0
Week 08: Assignment 08:	14.0

Announcement:

You are currently unsubscribed from course related emails. [Click here to resubscribe.](#)

Discussion forum:

If you want to unsubscribe from forum, [Click here](#)

V

9:39

2:00
100%
100%

NPTEL » Embedded System Design with ARM

☰

Date enrolled

2024-01-10

Email

hariharana2742004@gmail.com

Name

Hariharan

7.48%

Course Progress

Unit wise Progress

Assessment scores

Week 01: Assignment 01:

70.0

Week 02: Assignment 02:

37.0

Week 03: Assignment 03:

80.0

Week 04: Assignment 04:

-

Week 05: Assignment 05:

15.0

Week 06: Assignment 06:

70.0

Week 07: Assignment 07:

-

Week 08: Assignment 08:

29.0

HARINILAKSHMI

V

NPTEL » Embedded System Design w

☰

Date enrolled

2024-01-10

Email

hariniviji290@gmail.co

Name

Harinilakshmi.V

9.35%

Course Progress

Unit wise Progress

Assessment scores

Week 01: Assignment 01:	80.0
Week 02: Assignment 02:	54.0
Week 03: Assignment 03:	60.0
Week 04: Assignment 04:	60.0
Week 05: Assignment 05:	30.0
Week 06: Assignment 06:	70.0
Week 07: Assignment 07:	80.0
Week 08: Assignment 08:	57.0

JANARTHANAN

V

4G 9:29

Embedded Syst...
nlinecourses.nptel.ac.in

NPTEL » Embedded System Design with ARM

Date enrolled2024-01-10

Emailertyjana@gmail.com

NameJanarthanan

Unit wise Progress

Assessment scores

Week 01: Assignment 01:	80.0
Week 02: Assignment 02:	43.0
Week 03: Assignment 03:	70.0
Week 04: Assignment 04:	43.0
Week 05: Assignment 05:	80.0
Week 06: Assignment 06:	70.0
Week 07: Assignment 07:	80.0
Week 08: Assignment 08:	43.0

Announcement:

You are currently receiving course related emails. [Click here to unsubscribe.](#)

Discussion forum:

If you want to unsubscribe from forum [Click here](#)

JAYA PRASAD P

V

www.jayaprasad4g@gmail.com

NPTEL » Embedded System Design with ARM

Date enrolled2024-01-10

Emailwww.jayaprasad4g@gmail.com

NameJaya Prasad.P

7.48%

Course Progress

Unit wise Progress

Assessment scores

Week 01: Assignment 01:	70.0
Week 02: Assignment 02:	54.0
Week 03: Assignment 03:	60.0
Week 04: Assignment 04:	80.0
Week 05: Assignment 05:	80.0
Week 06: Assignment 06:	70.0
Week 07: Assignment 07:	70.0
Week 08: Assignment 08:	75.0

Announcement:

You are currently receiving course related emails. [Click here to unsubscribe.](#)

Discussion forum:

If you want to unsubscribe from forum [Click here](#)

KAUSHIKA

CHAND

S

NPTEL » Embedded System Design with ARM

Date enrolled2024-01-10

Emailkaushikaushi11902@gmail.com

NameKaus hika Chand.S

Unit wise Progress

Assessment scores

Week 01: Assignment 01:	70.0
Week 02: Assignment 02:	-
Week 03: Assignment 03:	80.0
Week 04: Assignment 04:	20.0
Week 05: Assignment 05:	-
Week 06: Assignment 06:	-
Week 07: Assignment 07:	80.0
Week 08: Assignment 08:	71.0

Announcement:

You are currently receiving course related emails. [Click here to unsubscribe.](#)

Discussion forum:

If you want to unsubscribe from forum [Click here](#)

KEERTHIKA

P

NPTEL » Embedded System Design with ARM

Date enrolled2024-01-10

Emailbalrajkeerthika@gmail.com

NameKeerthika. P

8.41%

Course Progress

Unit wise Progress

Assessment scores

Week 01: Assignment 01:	80.0
Week 02: Assignment 02:	-
Week 03: Assignment 03:	80.0
Week 04: Assignment 04:	-
Week 05: Assignment 05:	50.0
Week 06: Assignment 06:	63.0
Week 07: Assignment 07:	68.0
Week 08: Assignment 08:	57.0

Announcement:

You are currently receiving course related emails. [Click here to unsubscribe.](#)

Discussion forum:

If you want to unsubscribe from forum [Click here](#)

KEVAN

JOANS

J

NPTEL » Embedded System Design with ARM

Date enrolled2024-01-10

Emailstylishjoans41@gmail.com

NameKevan Joans. J

Unit wise Progress

Assessment scores

Week 01: Assignment 01:	80.0
Week 02: Assignment 02:	54.0
Week 03: Assignment 03:	60.0
Week 04: Assignment 04:	80.0
Week 05: Assignment 05:	50.0
Week 06: Assignment 06:	60.0
Week 07: Assignment 07:	-
Week 08: Assignment 08:	29.0

Announcement:

You are currently receiving course related emails. [Click here to unsubscribe.](#)

Discussion forum:

If you want to unsubscribe from forum [Click here](#)

KRISHNAMOORTHY

V

NPTEL » Embedded System Design with ARM

Date enrolled2024-01-10

Emailkrishnamoorthiyvece@gmail.com

NameKrishnamoorthy V

6.54%

Course Progress

Unit wise Progress

Assessment scores

Week 01: Assignment 01:	80.0
Week 02: Assignment 02:	54.0
Week 03: Assignment 03:	-
Week 04: Assignment 04:	20.0
Week 05: Assignment 05:	50.0
Week 06: Assignment 06:	-
Week 07: Assignment 07:	30.0
Week 08: Assignment 08:	29.0

Announcement:

You are currently receiving course related emails. [Click here to unsubscribe.](#)

Discussion forum:

If you want to unsubscribe from forum [Click here](#)

MAADHESWARAN K

NPTEL » Embedded System Design with ARM

Announcements About the Course Q&A Progress Mentor Review Assignment Course Recommendations

Already registered, click to check your progress status

Date enrolled2024-01-10

Emailmaadheswarank@gmail.com

Course profile

NameMaadheswaran K

Unit wise Progress

Assessment scores

Week 01: Assignment 01:	80.0
Week 02: Assignment 02:	54.0
Week 03: Assignment 03:	80.0
Week 04: Assignment 04:	70.0
Week 05: Assignment 05:	50.0
Week 06: Assignment 06:	70.0
Week 07: Assignment 07:	80.0
Week 08: Assignment 08:	71.0

MADHUMITHA S

NPTEL » Embedded System Design with ARM

Announcements About the Course Q&A Progress Mentor Review Assignment Course Recommendations

Already registered, click to check your progress status

Date enrolled2024-01-10

Emailmadhumithasankar99@gmail.com

Course profile

NameMadhumitha S

Unit wise Progress

Assessment scores

Week 01: Assignment 01:	80.0
Week 02: Assignment 02:	-
Week 03: Assignment 03:	80.0
Week 04: Assignment 04:	65.0
Week 05: Assignment 05:	50.0
Week 06: Assignment 06:	70.0
Week 07: Assignment 07:	80.0
Week 08: Assignment 08:	71.0

MAHESWARAN D

NPTEL » Embedded System Design with ARM

Announcements About the Course Q&A Progress Mentor Review Assignment Course Recommendations

Already registered, click to check your progress status

Date enrolled2024-01-10

Emaildevamahesh8116@gmail.com

Course profile

NameMAHESWARAN D

Unit wise Progress

Assessment scores

Week 01: Assignment 01:	80.0
Week 02: Assignment 02:	54.0
Week 03: Assignment 03:	80.0
Week 04: Assignment 04:	50.0
Week 05: Assignment 05:	50.0
Week 06: Assignment 06:	70.0
Week 07: Assignment 07:	80.0
Week 08: Assignment 08:	71.0

MANIKANDAN S

NPTEL » Embedded System Design with ARM

Announcements About the Course Q&A Progress Mentor Review Assignment Course Recommendations

Already registered, click to check your progress status

Date enrolled2024-01-10

Emailmanimaligai18@gmail.com

Course profile

NameMani Kandana S

Unit wise Progress

Assessment scores

Week 01: Assignment 01:	80.0
Week 02: Assignment 02:	54.0
Week 03: Assignment 03:	80.0
Week 04: Assignment 04:	70.0
Week 05: Assignment 05:	50.0
Week 06: Assignment 06:	70.0
Week 07: Assignment 07:	80.0
Week 08: Assignment 08:	36.0

MANOJ KUMAR I

NPTEL » Embedded System Design with ARM

Announcements About the Course Q&A Progress Mentor Review Assignment Course Recommendations

Already registered, click to check your progress status

Date enrolled2024-01-10

Emailmanimuthu6@gmail.com

Course profile

NameManoj

Unit wise Progress

Assessment scores

Week 01: Assignment 01:	80.0
Week 02: Assignment 02:	54.0
Week 03: Assignment 03:	60.0
Week 04: Assignment 04:	80.0
Week 05: Assignment 05:	50.0
Week 06: Assignment 06:	77.0
Week 07: Assignment 07:	80.0
Week 08: Assignment 08:	71.0

MANOJ L

NPTEL » Embedded System Design with ARM

Announcements About the Course Q&A Progress Mentor Review Assignment Course Recommendations

Already registered, click to check your progress status

Date enrolled2024-01-10

Emailmanimuthu6@gmail.com

Course profile

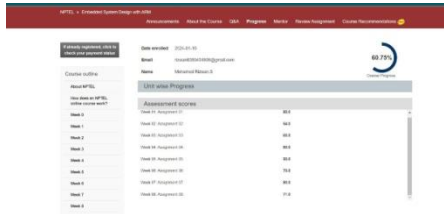
NameManoj

Unit wise Progress

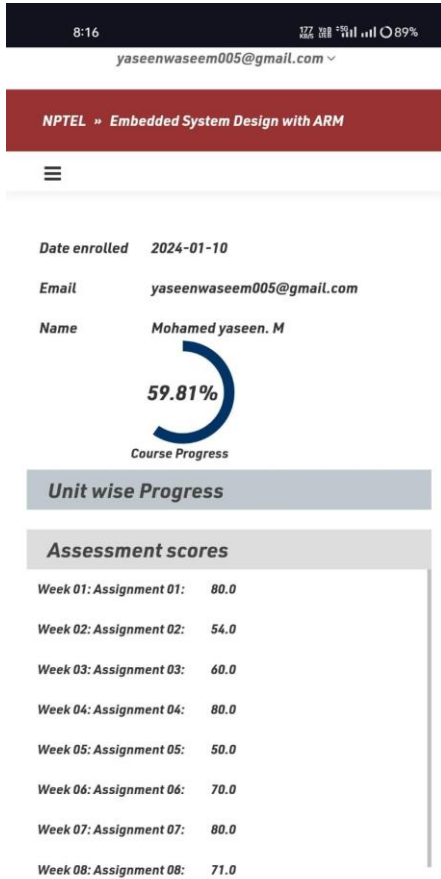
Assessment scores

Week 01: Assignment 01:	80.0
Week 02: Assignment 02:	54.0
Week 03: Assignment 03:	60.0
Week 04: Assignment 04:	80.0
Week 05: Assignment 05:	50.0
Week 06: Assignment 06:	77.0
Week 07: Assignment 07:	80.0
Week 08: Assignment 08:	71.0

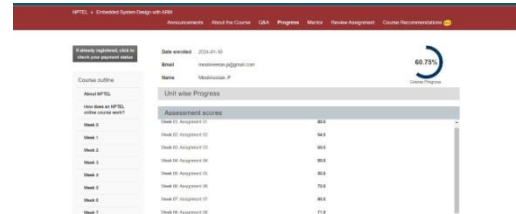
MOHAMED RIZWAN S



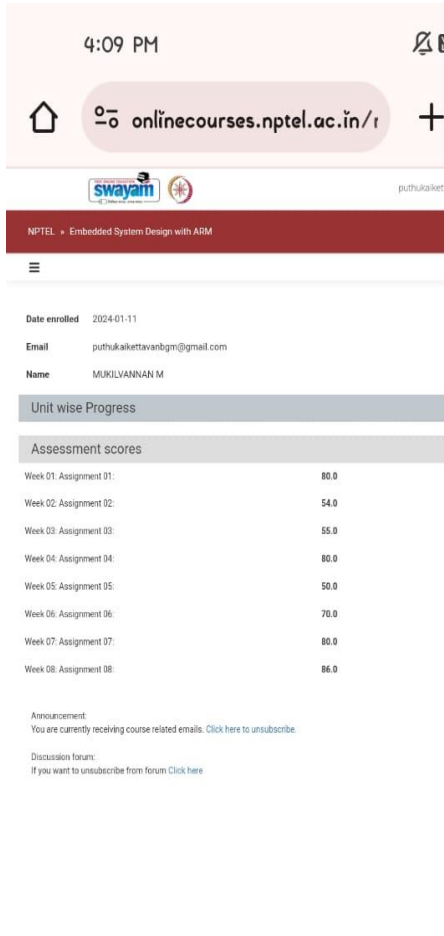
MOHAMED YASEEN M



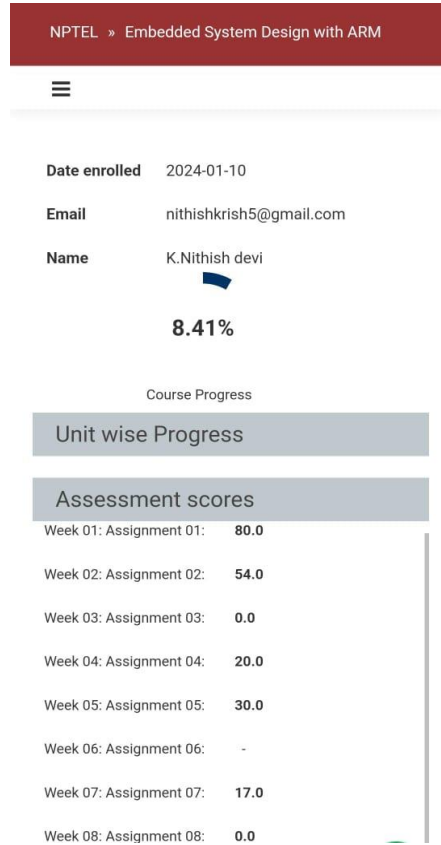
MOSIKKEERAN P



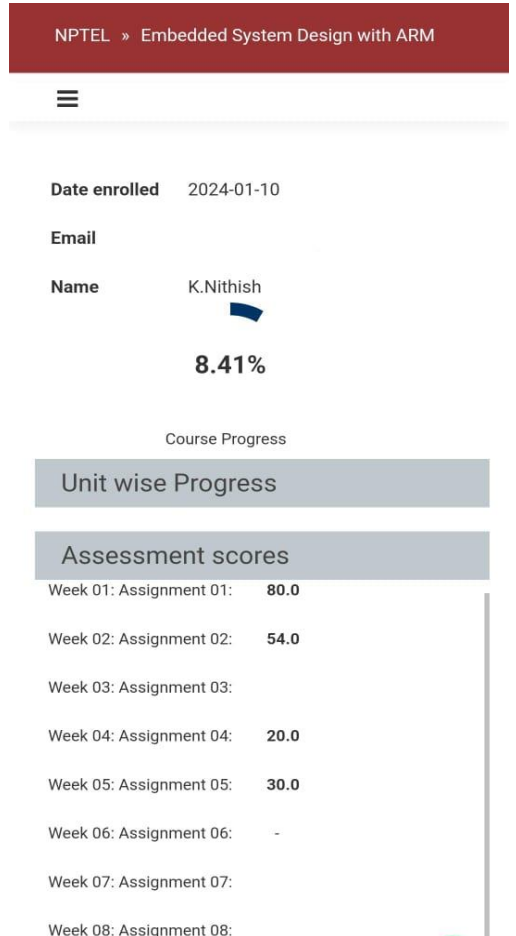
MUKILVANNAN M



NITHISH DEVI K



NITHISH K



OVIYA R



NPTEL » Embedded System Design with ARM



Date enrolled 2024-01-11

Email oviya6088@gmail.com

Name Oviya.R

Unit wise Progress

Assessment scores

Week 01: Assignment 01:	80.0
Week 02: Assignment 02:	-
Week 03: Assignment 03:	65.0
Week 04: Assignment 04:	25.0
Week 05: Assignment 05:	15.0
Week 06: Assignment 06:	33.0
Week 07: Assignment 07:	-
Week 08: Assignment 08:	-

Announcement:
You are currently receiving course related emails. [Click here to unsubscribe](#)

Discussion forum:
If you want to unsubscribe from forum [Click here](#)

PANDIMEENA K



NPTEL » Embedded System Design with ARM



Date enrolled 2024-01-10

Email pandimeenakumar2004@gmail.com

Name K. Pandimeena

Unit wise Progress

Assessment scores

Week 01: Assignment 01:	80.0
Week 02: Assignment 02:	64.0
Week 03: Assignment 03:	70.0
Week 04: Assignment 04:	60.0
Week 05: Assignment 05:	60.0
Week 06: Assignment 06:	63.0
Week 07: Assignment 07:	68.0
Week 08: Assignment 08:	71.0

Announcement:
You are currently receiving course related emails. [Click here to unsubscribe](#)

Discussion forum:
If you want to unsubscribe from forum [Click here](#)

PRAGADHEESHWARAN P



NPTEL » Embedded System Design with ARM



Date enrolled 2024-01-10

Email pragadheeshwaryad1@gmail.com

Name K.Prakashantony

8.41%

Course Progress

Unit wise Progress

Assessment scores

Week 01: Assignment 01:	75.0
Week 02: Assignment 02:	54.0
Week 03: Assignment 03:	70.0
Week 04: Assignment 04:	70.0
Week 05: Assignment 05:	50.0
Week 06: Assignment 06:	70.0
Week 07: Assignment 07:	80.0
Week 08: Assignment 08:	71.0

Announcement:
You are currently receiving course related emails. [Click here to unsubscribe](#)

Discussion forum:
If you want to unsubscribe from forum [Click here](#)

PRAKASH ANTONY K



NPTEL » Embedded System Design with ARM



Date enrolled 2024-01-10

Email prakashantony101@gmail.com

Name K.Prakash antony

8.41%

Course Progress

Unit wise Progress

Assessment scores

Week 01: Assignment 01:	75.0
Week 02: Assignment 02:	54.0
Week 03: Assignment 03:	70.0
Week 04: Assignment 04:	70.0
Week 05: Assignment 05:	50.0
Week 06: Assignment 06:	70.0
Week 07: Assignment 07:	80.0
Week 08: Assignment 08:	71.0

Announcement:
You are currently receiving course related emails. [Click here to unsubscribe](#)

Discussion forum:
If you want to unsubscribe from forum [Click here](#)

PRAVEENKUMAR R



NPTEL » Embedded System Design with ARM



Date enrolled 2024-01-10

Email pragadheeshwaryad1@gmail.com

Name K.Prakashantony

8.41%

Course Progress

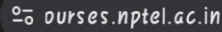
Unit wise Progress

Assessment scores

Week 01: Assignment 01:	75.0
Week 02: Assignment 02:	54.0
Week 03: Assignment 03:	70.0
Week 04: Assignment 04:	70.0
Week 05: Assignment 05:	50.0
Week 06: Assignment 06:	70.0
Week 07: Assignment 07:	80.0
Week 08: Assignment 08:	71.0

Announcement:
You are currently receiving course related emails. [Click here to unsubscribe](#)

Discussion forum:
If you want to unsubscribe from forum [Click here](#)





NPTEL » Embedded System Design with ARM



Date enrolled 2024-01-10

Email prithishgopi07@gmail.com

Name Prithish.M

Unit wise Progress

Assessment scores

Week 01: Assignment 01:	80.0
Week 02: Assignment 02:	54.0
Week 03: Assignment 03:	80.0
Week 04: Assignment 04:	70.0
Week 05: Assignment 05:	50.0
Week 06: Assignment 06:	80.0
Week 07: Assignment 07:	70.0
Week 08: Assignment 08:	70.0

Announcement:
You are currently receiving course related emails. [Click here to unsubscribe](#)

PUNNIYAMOORTHY CM

7:25

onlinecourses.nptel.ac.in

NPTEL » Embedded System Design with ARM

Date enrolled2024-01-10

Emailpunniyamoorthy719@gmail.com

NameC. M. Punniyamoorthy

Unit wise Progress

Assessment scores

Week 01: Assignment 01:	80.0
Week 02: Assignment 02:	-
Week 03: Assignment 03:	80.0
Week 04: Assignment 04:	-
Week 05: Assignment 05:	-
Week 06: Assignment 06:	-
Week 07: Assignment 07:	-
Week 08: Assignment 08:	-

Announcement:

You are currently receiving course related emails. [Click here to unsubscribe.](#)

Discussion forum:

If you want to unsubscribe from forum [Click here](#)

RAJESHWARI

swayam

NPTEL » Embedded System Design with ARM

Date enrolled2024-01-10

Emailrajeshwarish08@gmail.com

NameRajeshwari

Unit wise Progress

Assessment scores

Week 01: Assignment 01:	80.0
Week 02: Assignment 02:	54.0
Week 03: Assignment 03:	55.0
Week 04: Assignment 04:	70.0
Week 05: Assignment 05:	-
Week 06: Assignment 06:	37.0
Week 07: Assignment 07:	80.0
Week 08: Assignment 08:	71.0

RAJKUMAR D

NPTEL » Embedded System Design with ARM

Date enrolled2024-01-10

Emaild9407589945@gmail.com

NameRaj Kumar

66.36%

Course Progress

Unit wise Progress

Assessment scores

Week 01: Assignment 01:	70.0
Week 02: Assignment 02:	24.0
Week 03: Assignment 03:	15.0
Week 04: Assignment 04:	20.0
Week 05: Assignment 05:	15.0
Week 06: Assignment 06:	87.0
Week 07: Assignment 07:	-
Week 08: Assignment 08:	57.0

RANI CHANDRA V

NPTEL » Embedded System Design with ARM

Date enrolled2024-01-30

Emailsabetha0511@gmail.com

NameRANI CHANDRA V

6.54%

Course Progress

Unit wise Progress

Assessment scores

Week 01: Assignment 01:	20.0
Week 02: Assignment 02:	-
Week 03: Assignment 03:	20.0
Week 04: Assignment 04:	-
Week 05: Assignment 05:	-
Week 06: Assignment 06:	23.0
Week 07: Assignment 07:	-
Week 08: Assignment 08:	43.0

RENUGA

10:13 AM140.9KB/s

renugadeviro73@gmail.com

NPTEL » Embedded System Design with ARM

Date enrolled2024-01-10

Emailrenugadevir673@gmail.com

NameRenuga devi.S

7.48%

Course Progress

Unit wise Progress

Assessment scores

Week 01: Assignment 01:	80.0
Week 02: Assignment 02:	54.0
Week 03: Assignment 03:	80.0
Week 04: Assignment 04:	50.0
Week 05: Assignment 05:	50.0
Week 06: Assignment 06:	70.0
Week 07: Assignment 07:	37.0
Week 08: Assignment 08:	29.0

DEVI

SABETHA M

NPTEL » Embedded System Design with ARM

Date enrolled2024-01-10

Emailsabetha0511@gmail.com

NameM. Sabetha

6.54%

Course Progress

Unit wise Progress

Assessment scores

Week 01: Assignment 01:	70.0
Week 02: Assignment 02:	-
Week 03: Assignment 03:	20.0
Week 04: Assignment 04:	-
Week 05: Assignment 05:	-
Week 06: Assignment 06:	23.0
Week 07: Assignment 07:	-
Week 08: Assignment 08:	43.0

SARJEEVAN M

NPTEL » Embedded System Design with ARM



Date enrolled 2024-01-11

Email sarjuseju200218@gmail.com

Name Sarjay

Unit wise Progress

Assessment scores

Week 01: Assignment 01:	80.0
Week 02: Assignment 02:	70.0
Week 03: Assignment 03:	60.0
Week 04: Assignment 04:	50.0
Week 05: Assignment 05:	50.0
Week 06: Assignment 06:	70.0
Week 07: Assignment 07:	80.0
Week 08: Assignment 08:	71.0

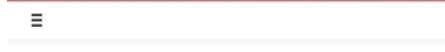
SANJAY

9:32 AM

Embedded ...
courses.nptel.ac.in

swayam

NPTEL » Embedded System Design with ARM



Date enrolled 2024-01-11

Email sanjuseju200218@gmail.com

Name Sanjay

Unit wise Progress

Assessment scores

Week 01: Assignment 01:	80.0
Week 02: Assignment 02:	70.0
Week 03: Assignment 03:	60.0
Week 04: Assignment 04:	50.0
Week 05: Assignment 05:	50.0
Week 06: Assignment 06:	70.0
Week 07: Assignment 07:	80.0
Week 08: Assignment 08:	71.0

SARAVANAN

9:00

NPTEL » Embedded System Design with ARM



Date enrolled 2024-01-10

Email prasanthsaravana284@gmail.com

Name Saravanan s

6.54%

Course Progress

Unit wise Progress

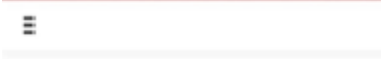
Assessment scores

Week 01: Assignment 01:	70.0
Week 02: Assignment 02:	54.0
Week 03: Assignment 03:	80.0
Week 04: Assignment 04:	50.0
Week 05: Assignment 05:	50.0
Week 06: Assignment 06:	-
Week 07: Assignment 07:	80.0
Week 08: Assignment 08:	29.0

Announcement:
You are currently receiving course related emails. Click here to unsubscribe.

SERAN B

NPTEL » Embedded System Design with ARM



Date enrolled 2024-01-11

Email sarjuseju200218@gmail.com

Name Seran B

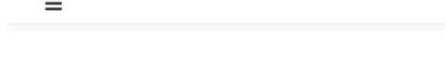
Unit wise Progress

Assessment scores

Week 01: Assignment 01:	100.0
Week 02: Assignment 02:	70.0
Week 03: Assignment 03:	100.0
Week 04: Assignment 04:	100.0
Week 05: Assignment 05:	100.0
Week 06: Assignment 06:	70.0
Week 07: Assignment 07:	100.0
Week 08: Assignment 08:	71.0

SNEHARAJ

NPTEL » Embedded System Design with ARM



Date enrolled 2024-01-13

Email sneharajalakshmanan@gmail.com

Name Sneharaj

7.48%

Course Progress

Unit wise Progress

Assessment scores

Week 01: Assignment 01:	80.0
Week 02: Assignment 02:	54.0
Week 03: Assignment 03:	60.0
Week 04: Assignment 04:	70.0
Week 05: Assignment 05:	-
Week 06: Assignment 06:	83.0
Week 07: Assignment 07:	58.0
Week 08: Assignment 08:	86.0

SOMASUNDARAM

NPTEL » Embedded System Design with ARM



Date enrolled 2024-01-10

Email sssbsomu@gmail.com

Name S.Somasundaram

11.21%

Course Progress

Unit wise Progress

Assessment scores

Week 01: Assignment 01:	80.0
Week 02: Assignment 02:	-
Week 03: Assignment 03:	60.0
Week 04: Assignment 04:	75.0
Week 05: Assignment 05:	50.0
Week 06: Assignment 06:	87.0
Week 07: Assignment 07:	87.0
Week 08: Assignment 08:	57.0

SOMESWARAN

T

Date enrolled

2024-01-10

Email

someswaran271@gmail.com

Name

T.someswaran

6.54%

Course Progress

Unit wise Progress

Assessment scores

Week 01: Assignment 01:

80.0

Week 02: Assignment 02:

54.0

Week 03: Assignment 03:

-

Week 04: Assignment 04:

80.0

Week 05: Assignment 05:

50.0

Week 06: Assignment 06:

70.0

Week 07: Assignment 07:

80.0

Week 08: Assignment 08:

71.0

SUDHARSAN

P

NPTEL » Embedded System Design with ARM

Date enrolled

2024-01-10

Email

sudharsang97@gmail.com

Name

P.Sudharsan

11.21%

Course Progress

Unit wise Progress

Assessment scores

Week 01: Assignment 01:

80.0

Week 02: Assignment 02:

54.0

Week 03: Assignment 03:

60.0

Week 04: Assignment 04:

80.0

Week 05: Assignment 05:

50.0

Week 06: Assignment 06:

77.0

Week 07: Assignment 07:

80.0

Week 08: Assignment 08:

71.0

Announcement:

You are currently receiving course related emails. [Click here to unsubscribe.](#)

Discussion forum:

If you want to unsubscribe from forum [Click here](#)

SUJITHRA

T

swayam

NPTEL

NPTEL » Embedded System Design with ARM

Date enrolled

2024-01-10

Email

thrapavi721@gmail.com

Name

T.Sujithra

Unit wise Progress

Assessment scores

Week 01: Assignment 01:

80.0

Week 02: Assignment 02:

54.0

Week 03: Assignment 03:

80.0

Week 04: Assignment 04:

50.0

Week 05: Assignment 05:

50.0

Week 06: Assignment 06:

63.0

Week 07: Assignment 07:

70.0

Week 08: Assignment 08:

57.0

Announcement:

You are currently receiving course related emails. [Click here to unsubscribe.](#)

Discussion forum:

If you want to unsubscribe from forum [Click here](#)

SURIYA

PRAKASH

M

NPTEL » Embedded System Design with ARM

Announcements

About the Course

Q&A

Progress

Mentor

Review Assignment

Course Feedback

If already registered, click to check your payment status

Date enrolled

2024-01-10

Email

suriyaprakash2003@gmail.com

Name

Suriya Prakash M

Unit wise Progress

Assessment scores

Week 01: Assignment 01:

80.0

Week 02: Assignment 02:

54.0

Week 03: Assignment 03:

60.0

Week 04: Assignment 04:

80.0

Week 05: Assignment 05:

50.0

Week 06: Assignment 06:

70.0

Week 07: Assignment 07:

80.0

Week 08: Assignment 08:

71.0

Course outline

About NPTEL

How does an NPTEL online course work?

Week 0

Week 1

Week 2

Week 3

Week 4

Week 5

Week 6

Week 7

Week 8

SWATHI

V

NPTEL » Embedded System Design with ARM

Date enrolled

2024-01-10

Email

swathivijayakumar23@gmail.com

Name

Swathi.V

60.75%

Course Progress

Unit wise Progress

Assessment scores

Week 01: Assignment 01:

80.0

Week 02: Assignment 02:

54.0

Week 03: Assignment 03:

60.0

Week 04: Assignment 04:

80.0

Week 05: Assignment 05:

50.0

Week 06: Assignment 06:

70.0

Week 07: Assignment 07:

80.0

Week 08: Assignment 08:

71.0

Announcement:

You are currently receiving course related emails. [Click here](#)

THIRUNITHI

K

swayam

NPTEL

NPTEL » Embedded System Design with ARM

Date enrolled

2024-01-10

Email

thirunithikamaraj@gmail.com

Name

Thirunithi_k

8.41%

Course Progress

Unit wise Progress

Assessment scores

Week 01: Assignment 01:

80.0

Week 02: Assignment 02:

26.0

Week 03: Assignment 03:

30.0

Week 04: Assignment 04:

20.0

Week 05: Assignment 05:

40.0

Week 06: Assignment 06:

-

Week 07: Assignment 07:

47.0

Week 08: Assignment 08:

0.0

Announcement:

You are currently receiving course related emails. [Click here to unsubscribe.](#)

Discussion forum:

If you want to unsubscribe from forum [Click here](#)

RAAKESH T

NPTEL - Embedded System Design with ARM



Date enrolled 2024-01-10

Email r948758965@gmail.com

Name Raj Kumar



Unit wise Progress

Assessment scores

Week 01: Assignment 01:	70.0
Week 02: Assignment 02:	24.0
Week 03: Assignment 03:	15.0
Week 04: Assignment 04:	20.0
Week 05: Assignment 05:	15.0
Week 06: Assignment 06:	87.0
Week 07: Assignment 07:	-
Week 08: Assignment 08:	57.0

RAJKUMAR

NPTEL - Embedded System Design with ARM



Date enrolled 2024-01-10

Email r948758965@gmail.com

Name Raj Kumar



Unit wise Progress

Assessment scores

Week 01: Assignment 01:	70.0
Week 02: Assignment 02:	24.0
Week 03: Assignment 03:	15.0
Week 04: Assignment 04:	20.0
Week 05: Assignment 05:	15.0
Week 06: Assignment 06:	87.0
Week 07: Assignment 07:	-
Week 08: Assignment 08:	57.0

R

SARABESH KUMAR S



NPTEL - Embedded System Design with ARM



Date enrolled 2024-01-10

Email sarabesh15@gmail.com

Name Sarabesh kumar S

3.74%

Course Progress

Unit wise Progress

Assessment scores

Week 01: Assignment 01:	-
Week 02: Assignment 02:	-
Week 03: Assignment 03:	-
Week 04: Assignment 04:	-
Week 05: Assignment 05:	50.0
Week 06: Assignment 06:	-
Week 07: Assignment 07:	80.0
Week 08: Assignment 08:	-

Announcement:
You are currently receiving course related emails. [Click here to unsubscribe.](#)

Discussion forum:
If you want to unsubscribe from forum [Click here](#)



NPTEL - Embedded System Design with ARM



Date enrolled 2024-01-10

Email anithjohn77@gmail.com

Name Anith apel J

Unit wise Progress

Assessment scores

Week 01: Assignment 01:	80.0
Week 02: Assignment 02:	54.0
Week 03: Assignment 03:	60.0
Week 04: Assignment 04:	70.0
Week 05: Assignment 05:	50.0
Week 06: Assignment 06:	60.0
Week 07: Assignment 07:	80.0
Week 08: Assignment 08:	71.0

Announcement:
You are currently receiving course related emails. [Click here to unsubscribe.](#)

Discussion forum:
If you want to unsubscribe from forum [Click here](#)

ANITH APEL J

**DEPARTMENT OF ELECTRICAL
AND ELECTRONICS
ENGINEERING
ACADEMIC YEAR
2023 – 2024**

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ADD ON PROGRAMS/ CERTIFICATE COURSE DURING THE ACADEMIC YEAR

Academic Year 2023-24

S. No.	COURSE TITLE	NO. OF HOURS HANDLED	NO. OF STUDENTS ATTENDED
ODD SEMESTER			
1.	Certification Course on “Advances in Solar Energy Technologies” – II YR	30 hours	60
2.	Swayam course on “Advance Power Electronics and Control” – II, III & IV YR	4 weeks	129
3.	Certification Course on “Simulation Tools for Electrical Engineering” – III YR	30 hours	31
4.	Certification Course on “Real-time Embedded System” – IV YR	30 hours	38
5.	MHRD sponsored IIT Bombay certification course on Spoken Tutorial on Scilab – II YR	30 hours	60
6.	MHRD sponsored IIT Bombay certification course on LaTeX – IV YR	30 hours	38
7.	MHRD sponsored IIT Bombay certification course on Inkscape – III YR	30 hours	31
EVEN SEMESTER			
8.	Certification Course on “Power Systems and Electrical Machines” – II YR	30 hours	60
9.	Swayam course on “Understanding Design” – II, III & IV YR	4 weeks	129
10.	Certification Course on “Electric Vehicles (EV) Technology” – III YR	30 hours	31
11.	Certification Course on “Renewable Energy and Solar Power” – IV YR	30 hours	38
12.	Refresher Course on “Electrical Circuits and Networks” – IV YR	30 hours	38
13.	MHRD sponsored IIT Bombay certification course on Spoken Tutorial on GIMP – IV YR	30 hours	38
14.	MHRD sponsored IIT Bombay certification course on Arduino – III YR	30 hours	31
15.	MHRD sponsored IIT Bombay certification course on eSim – II YR	30 hours	60

Total No. of Add-on courses organized : 15

No. of students attended : 774


FACULTY IN-CHARGE


HOD/EEE
 Mr. R. Sundaramoorthi
 HOD - EEE
 Kings College of Engineering
 Punalkulam - 613 303


PRINCIPAL
 Principal
 Kings College of Engineering
 Punalkulam - 613 303

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ADD ON PROGRAMS/ CERTIFICATE COURSE DURING THE ACADEMIC YEAR
ATTENDANCE SHEET

Academic Year 2023-24	
Syllabus, Course Plan, Time table, Evaluation, Certificate, Outcome	
S. No.	COURSE TITLE
ODD SEMESTER	
1.	Certification Course on “Advances in Solar Energy Technologies” – II YR
2.	Swayam course on “Advance Power Electronics and Control” – II, III & IV YR
3.	Certification Course on “Simulation Tools for Electrical Engineering” – III YR
4.	Certification Course on “Real-time Embedded System” – IV YR
5.	MHRD sponsored IIT Bombay certification course on Spoken Tutorial on Scilab – II YR
6.	MHRD sponsored IIT Bombay certification course on LaTeX – IV YR
7.	MHRD sponsored IIT Bombay certification course on Inkscape – III YR
EVEN SEMESTER	
8.	Certification Course on “Power Systems and Electrical Machines” – II YR
9.	Swayam course on “Understanding Design” – II, III & IV YR
10.	Certification Course on “Electric Vehicles (EV) Technology” – III YR
11.	Certification Course on “Renewable Energy and Solar Power” – IV YR
12.	Refresher Course on “Electrical Circuits and Networks” – IV YR
13.	MHRD sponsored IIT Bombay certification course on Spoken Tutorial on GIMP – IV YR
14.	MHRD sponsored IIT Bombay certification course on Arduino – III YR
15.	MHRD sponsored IIT Bombay certification course on eSim – II YR

G. V. Narayanan
14/8/24
FACULTY IN-CHARGE

R. Sundaramoorthi
14/8/24
HOD/EEE
 Mr. R. Sundaramoorthi
 HOD - EEE
 Kings College of Engineering
 Punaikulam - 613 303

S. Ramesh
14/8/24
PRINCIPAL
Principal
 Kings College of Engineering
 Punaikulam - 613 303

CERTIFICATE COURSE




DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

B.E - EEE (Reg. 2021) - With Effect from 20/09/23 - Tentative Last working Day 04/01/24

Batch: 2022 - 2026

Year: II

Semester: III

Class Room: 132

Strength: 60

Block: I

Session	1	2	3	4	5	6	7	8
Day	09.15am 10.00am	10.00am 10.45am	11.00am 11.45am	11.45am 12.30pm	01.10pm 01.55pm	01.55pm 02.40pm	02.50pm 03.35pm	03.35pm 04.20pm
MON	EE3302	EE3303	EE3301	MA3303	EE3301	CS3353	CC	EE3303
TUE	MA3303	EE3302	EE3301	EE3303	EC3301	CS3362	CS3362 (B1 & B2)	
WED	EE3301	EE3311/ (B2)	EC3311 (B1)		CS3354	EE3302	MA3303	EC3301
THU	EC3301	EE3302	MA3303	CS3353	GE3361		GE3361	
FRI	EE3303	CS3353	EC3301	T & P (A)	T & P (SS)	EC3311/ (B2)	EE3311 (B1)	
SAT	CS3353	EC3301	EE3301	EE3303	MA3303	LIB/ NET	EE3302	NPTEL

SUB CODE	NAME OF THE SUBJECT	CATEGORY	CREDITS	NAME OF THE STAFF	DEPT	PERIODS/WEEK
TUTORIAL (T), ELECTIVE (E), LAB (L)						
MA3303	Probability and Complex Functions	BSC	4 (T)	Dr. G. Shankarakalidoss	Maths	5
EE3301	Electromagnetic Fields	PCC	4 (T)	Mrs. P. Thirumagal	EEE	5
EE3302	Digital Logic Circuits	PCC	3	Mr. S. Ramarajan	ECE	5
EC3301	Electron Devices and Circuits	PCC	3	Dr. S. Vasantharaj	EEE	5
EE3303	Electrical Machines-1	PCC	3	Mr. S. Naveen Prakash	EEE	5
CS3353	C Programming and Data Structures	PCC	3	Ms. S. AbikayilAarthi	CSE	5
EC3311	Electronic Devices and Circuits Laboratory	PCC	1.5 (L)	Dr. S. Vasantharaj	EEE	3
EE3311	Electrical Machines Laboratory-1	PCC	1.5 (L)	Mr. S. Naveen Prakash	EEE	3
CS3362	C Programming and Data Structure Lab	PCC	1.5 (L)	Ms. S. AbikayilAarthi	CSE	3
GE3361	Professional Development	EEC	1	Mr. S. Naveen Prakash	EEE	4
CLASS CO-ORDINATOR			NAME OF THE REPRESENTATIVES			ROLL NO
Dr. S. Vasantharaj			Venkateswaran. G Sivasangari. G			57 48
CLASS COMMITTEE CHAIR PERSON			Mr. R. Sundaramoorthi			

VALUE ADDITION INITIATIVES (VAI) - REGULAR HOURS

LIB/NET	Library / Internet	VAI	Dr. S. Vasantharaj	EEE	01
NPTEL	NPTEL Swayam Courses	VAI	Dr. S. Vasantharaj	EEE	01
T&P (A)	Training & Placement - Aptitude	VAI	Ms. P. Suganya	T&P	01
T&P(SS)	Training & Placement - Softskill	VAI	Dr. K. Sudhakar	T&P	01
CC	Certificate Course	VAI	Dr. S. Vasantharaj	EEE	01

DEPT. TTC

HOD

PRINCIPAL



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ACADEMIC YEAR 2023-24 (ODD SEMESTER)

Certificate course on “Advances in Solar Energy Technologies” – Report

The Department of Electrical and Electronics Engineering has organized a certification course on the topic “Advances in Solar Energy Technologies” on the following dates for second-year EEE students. The course sessions were held on the following dates: 25.09.23, 02.10.23, 09.10.23, 16.10.23, 23.10.23, 30.10.23, 6.11.23, 13.11.23, 20.11.23, 04.12.23, 10.12.23, 11.12.23, 18.12.23, 24.12.23, 08.01.24.

OBJECTIVES:

The primary objective of this course is to enable students to:

1. Understand the latest advancements in solar energy technologies.
2. Learn the design principles of photovoltaic (PV) systems and solar thermal systems.
3. Gain knowledge of the integration of solar energy in smart grids and energy storage.
4. Acquire hands-on experience in solar energy system design, simulation, and implementation.

COURSE DETAILS:

With the increasing global focus on renewable energy, solar energy technologies have become a cornerstone of sustainable development. This course explores cutting-edge advancements in solar energy systems, equipping students with both theoretical and practical knowledge.

The course begins with an overview of the basic principles of solar energy, focusing on the physics of solar radiation, photovoltaic effect, and energy conversion efficiency. Students are introduced to the various types of solar energy systems, including photovoltaic (PV) systems, concentrated solar power (CSP), and solar thermal energy technologies.

Key topics include advancements in:

- High-efficiency solar cells, such as perovskite and bifacial PV cells.
- Thin-film and flexible solar panels for innovative applications.
- Solar tracking systems and their role in maximizing energy capture.
- Hybrid systems combining solar with other renewable energy sources.
- Integration of solar energy with battery storage and smart grids.

The course emphasizes the practical aspects of solar energy through hands-on projects, simulations, and case studies. Students engage in designing and optimizing solar power systems tailored to specific applications, such as residential, commercial, and industrial energy needs.

Special focus is given to emerging technologies, such as:

- Artificial intelligence in solar system monitoring and optimization.
- Floating solar farms for water bodies.
- Solar desalination technologies for clean water production.

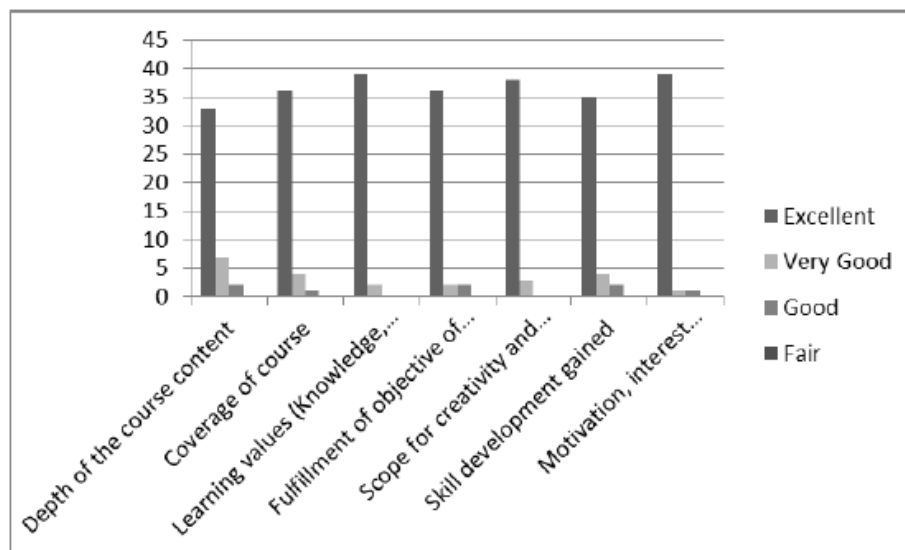
Real-world examples and case studies from global solar projects help students understand the practical challenges and solutions in implementing solar technologies. They also learn about government policies, subsidies, and financial models driving solar energy adoption.

COURSE OUTCOME:

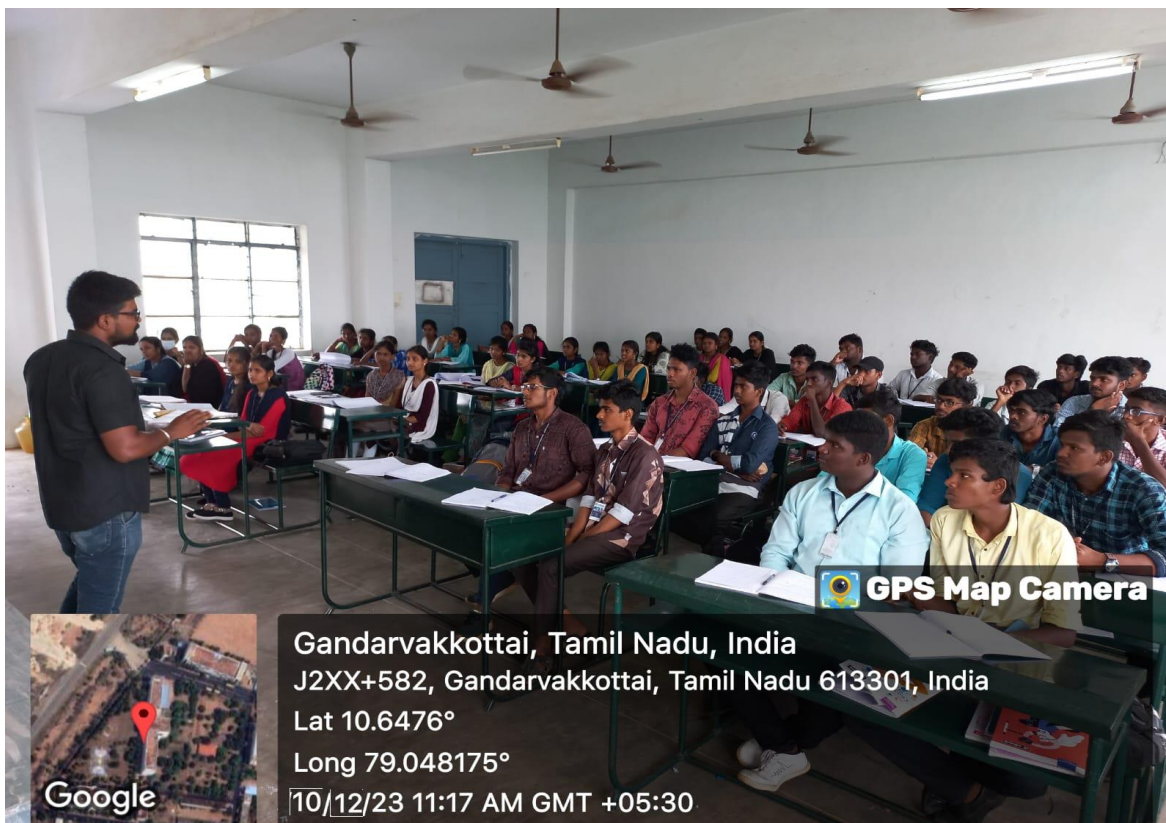
Upon completion of the course, students are expected to:

1. Demonstrate a comprehensive understanding of advanced solar energy technologies, including PV systems, CSP, and hybrid systems.
2. Analyze and design solar energy systems for specific applications, ensuring efficiency and reliability.
3. Apply simulation tools to optimize solar energy system performance and predict output under varying conditions.
4. Integrate solar technologies with energy storage systems and smart grid infrastructures.
5. Understand the socio-economic and environmental impacts of solar energy projects, preparing them for future challenges in the renewable energy sector.

FEEDBACK ANALYSIS:



Snapshot from certificate course



S. Nanthini
30/01

FACULTY IN-CHARGE

A. Albert Martin Ruban
30/01/24

HOD / EEE

Dr.A.ALBERT MARTIN RUBAN,ME.,Ph.D.,
Head of the Department
Department of Electrical and Electronics Engineering
Kings College of Engineering
Punalkulam
Pudukkottai-613303

J. Mani
30/1/2024

PRINCIPAL

Principal

Kings College of Engineering
Punalkulam - 613 303



A NAAC Accredited Institution
KINGS
COLLEGE OF ENGINEERING
Recognized under 2(f) & 12(B) of UGC
Approved by AICTE, New Delhi
Affiliated to Anna University, Chennai



CERTIFICATE

This is to certify that

Abinaya S

of “Kings College of Engineering” has completed the certificate course on the title of “Advances in Solar Energy Technologies” organized by Department of Electrical and Electronics Engineering, Kings college of Engineering, Punalkulam on 30.01.2024.

Dr. A. Albert Martin Ruban,
HOD / EEE

Dr. J. Arputha Vijaya Selvi,
Principal

E-certificate does not require signature



A NAAC Accredited Institution
KINGS
COLLEGE OF ENGINEERING
Recognized under 2(f) & 12(B) of UGC
Approved by AICTE, New Delhi
Affiliated to Anna University, Chennai



CERTIFICATE

This is to certify that

Rajagowri S

of “Kings College of Engineering” has completed the certificate course on the title of “Advances in Solar Energy Technologies” organized by Department of Electrical and Electronics Engineering, Kings college of Engineering, Punalkulam on 30.01.2024.

Dr. A. Albert Martin Ruban,
HOD / EEE

Dr. J. Arputha Vijaya Selvi,
Principal

E-certificate does not require signature



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
B.E - EEE (Reg. 2021) - With Effect from 27.7.2023 - Tentative Last working Day

Batch:2021 - 2025
 Year: III

Semester: V

Class Room: 133

Strength:31
 Block: I

Session	1	2	10.45 am - 11.00 am	3	4	12.30 pm - 01.10 pm	5	6	02.40 pm - 02.50 pm	7	8
Day	09.15a m - 10.00a M	10.00am - 10.45am		11.00am - 11.45am	11.45am - 12.30pm		01.10pm - 01.55pm	01.55pm - 02.40pm		02.50pm - 03.35pm	03.35pm - 04.20pm
MON	EE3503	EE3501	BREAK	EE3037	EE3591	LUNCH BREAK	EE3036	EE3503	BREAK	EE3009	
TUE	EE3591	EE3009		EE3503	EE3501		EE3591	EE3036		T & P (A)	EE3037
WED	EE3009	EE3503		EE3501	MX3084		EE3037	EE3511		EE3511	
THU	NM			NM			NM			NM	
FRI	EE3036	EE3512		EE3512			EE3591	EE3036		T & P (SS)	EE3501
SAT	EE3037	EE3503		MX3084	LIB/ NET		CC	EE3501		EE3009	EE3036

SUB CODE	NAME OF THE SUBJECT	CATEGORY	CREDITS	NAME OF THE STAFF	DEPT	PERIODS/WEEK
TUTORIAL (T), ELECTIVE (E)						
EE3501	Power System Analysis	PC	3	Dr. S. Sivakumar	EEE	06
EE3591	Power Electronics	PC	3	Mr. S. Naveen Prakash	EEE	05
EE3503	Control Systems	PC	3	Dr. P. Narasimman	EEE	05
EE3009	Special Electrical Machines	PE	3	Dr. S. Vasantharaj	EEE	05
EE3036	Sustainable and Environmental Friendly HV Insulation System	PE	3	Dr. G. Suganya	EEE	05
EE3037	Power System Transients	PE	3	Mr. S. R. Karthikeyan	EEE	05
MX3084	Disaster Management	MC	0	Dr. G. Suganya	EEE	03
NM	Naan Mudhalvan	-	-	Dr. G. Suganya	EEE	08
EE3511	Power Electronics Laboratory	PC	1.5 (L)	Dr. P. Narasimman	EEE	03
EE3512	Control and Instrumentation Laboratory	PC	2 (L)	Mr. R. Sundaramoorthi	EEE	03

CLASS CO-ORDINATOR	NAME OF THE REPRESENTATIVES	ROLL NO
Mr. S. R. Karthikeyan	1. V. Vijay 2. S. Thusari	25 22
CLASS COMMITTEE CHAIR PERSON	Mr. J. Arokiaraj	

VALUE ADDITION INITIATIVES (VAI) - REGULAR HOURS

GATE / CE	GATE / Competitive Exam	VAI	Dr. S. Vasantharaj Dr. G. Suganya	EEE	01
LIB/NET	Library / Internet	VAI	Mr. S. R. Karthikeyan	EEE	01
NPTEL	NPTEL Swayam Courses	VAI	Mr. S. R. Karthikeyan	EEE	01
T&P (A)	Training & Placement - Aptitude	VAI	Ms. P. Suganya	T&P	01
T&P(SS)	Training & Placement - Soft skill	VAI	Dr. B. Suresh Babu	T&P	01
CC	Certificate Course	VAI	Mr. S. R. Karthikeyan	EEE	01

S. J. Athiy
 DEPT. TTC

S. J. Athiy
 HOD 14/9/23

S. J. Athiy
 14/9/2023
 PRINCIPAL



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ACADEMIC YEAR 2023-24 (ODD SEMESTER)

Certificate course on “Simulation Tools for Electrical Engineering” – Report

The Department of Electrical and Electronics Engineering organized a certification course on the topic “Simulation Tools for Electrical Engineering” for third-year EEE students. The sessions were conducted on the following dates: 29.07.2023, 05.08.2023, 12.08.2023, 19.08.2023, 26.08.2023, 02.09.2023, 09.09.2023, 16.09.2023, 23.09.2023, 30.09.23, 07.11.23, 14.11.23, 21.11.23 and 28.11.2023.

OBJECTIVES:

The key objectives of the course are to:

1. Familiarize students with advanced simulation tools used in electrical engineering.
2. Teach simulation-based design, analysis, and optimization techniques.
3. Enable students to model and analyze electrical systems and networks.
4. Provide hands-on experience with software tools and real-world simulation scenarios.

COURSE DETAILS:

Simulation tools have become essential in modern electrical engineering, offering powerful capabilities to design, analyze, and optimize electrical systems. This course provided an in-depth exploration of widely used simulation platforms and their applications across various domains of electrical engineering.

The course began with an introduction to simulation principles and their importance in engineering, emphasizing cost reduction, efficiency, and accuracy. Students were introduced to the basics of system modeling and learned how to simulate electrical circuits, power systems, and control systems.

Key simulation tools covered include:

- **MATLAB/Simulink:** For modeling, simulation, and control system design.
- **PSCAD/EMTDC:** For power systems and electromagnetic transient analysis.
- **ETAP:** For electrical power system design and optimization.
- **Proteus:** For circuit design and microcontroller simulations.

- **PSpice/Multisim:** For analog and digital circuit simulations.
- **Ansys Maxwell:** For electromagnetic field simulation and design.

TOPICS COVERED:

- **Circuit Analysis:** Simulation of basic and complex circuits using tools like PSpice and Multisim.
- **Power Systems Simulation:** Power flow analysis, fault analysis, and stability studies using ETAP and PSCAD.
- **Control System Design:** Modeling and simulating feedback control systems in MATLAB/Simulink.
- **Electromagnetic Field Simulation:** Understanding the behavior of electric and magnetic fields in devices using Ansys Maxwell.
- **IoT and Embedded Systems:** Simulating IoT applications and microcontroller-based systems in Proteus.

The course also included hands-on sessions where students worked on real-world projects, including:

- Designing a solar PV system with grid integration in ETAP.
- Analyzing the transient behavior of electrical networks during faults using PSCAD.
- Simulating the control of a DC motor in MATLAB/Simulink.
- Creating and testing a microcontroller-based IoT project in Proteus.

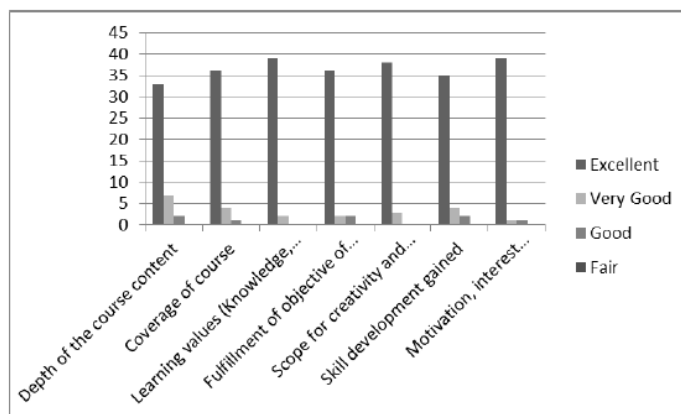
Real-world case studies were also presented, helping students understand how simulation tools are used in industries like power generation, electronics manufacturing, and renewable energy.

COURSE OUTCOME:

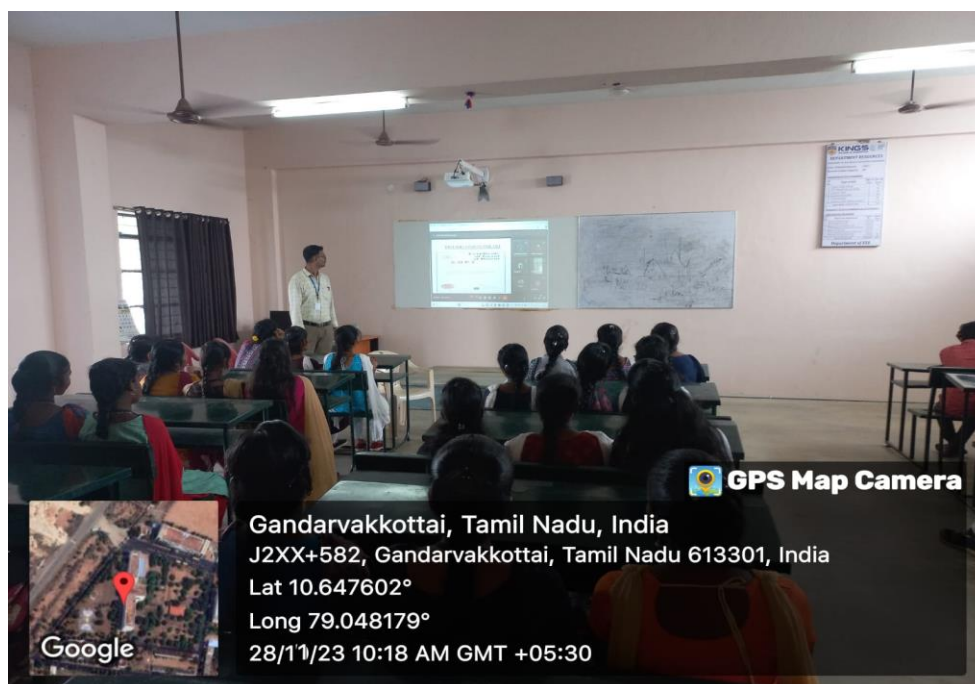
Upon completing this course, students are expected to:

1. Understand the principles and applications of simulation tools in electrical engineering.
2. Demonstrate proficiency in using simulation software for electrical circuit analysis, power system studies, and control system design.
3. Develop models and simulate real-world electrical engineering systems to predict their behavior and performance.
4. Solve practical engineering problems using simulation techniques, preparing them for industrial challenges.
5. Gain hands-on experience with advanced tools, enhancing their employability in industries such as power systems, electronics, and automation.

FEEDBACK ANALYSIS:



Snapshot from certificate course



S. Natheeq
30/01

FACULTY IN-CHARGE

A. Albert Martin Ruban
30/01/24

HOD / EEE

Dr.A.ALBERT MARTIN RUBAN,ME.,Ph.D.,
Head of the Department
Department of Electrical and Electronics Engineering
Kings College of Engineering
Punalkulam
Pudukkottai-613303

T. Mani
30/11/2024

PRINCIPAL

Principal

Kings College of Engineering
Punalkulam - 613 303



A NAAC Accredited Institution
KINGS
COLLEGE OF ENGINEERING
Recognized under 2(f) & 12(B) of UGC
Approved by AICTE, New Delhi
Affiliated to Anna University, Chennai



CERTIFICATE

This is to certify that

Karthikeyan S

of “Kings College of Engineering” has completed the certificate course on the title of “Simulation Tool for Electrical Engineering” organized by Department of Electrical and Electronics Engineering, Kings college of Engineering, Punalkulam on 30.01.2024.

Dr. A. Albert Martin Ruban,
HOD / EEE

Dr. J. Arputha Vijaya Selvi,
Principal

E-certificate does not require signature



A NAAC Accredited Institution
KINGS
COLLEGE OF ENGINEERING
Recognized under 2(f) & 12(B) of UGC
Approved by AICTE, New Delhi
Affiliated to Anna University, Chennai



CERTIFICATE

This is to certify that

Vidhya M

of “Kings College of Engineering” has completed the certificate course on the title of “Simulation Tool for Electrical Engineering” organized by Department of Electrical and Electronics Engineering, Kings college of Engineering, Punalkulam on 30.01.2024.

Dr. A. Albert Martin Ruban,
HOD / EEE

Dr. J. Arputha Vijaya Selvi,
Principal

E-certificate does not require signature



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
B.E - EEE (Reg. 2017) - With Effect from 27.7.2023 - Tentative Last working Day

Batch:2020 - 2024

Strength:41

Year: IV

Semester: VII

Class Room: 134

Block: I

Session	1	2	10.45 am - 11.00 am	3	4	12.30 pm - 01.10 pm	5	6	02.40 pm - 02.50 pm	7	8
Day	09.15am - 10.00am	10.00am - 10.45am		11.00am - 11.45am	11.45am - 12.30pm		01.10pm - 01.55pm	01.55pm - 02.40pm		02.50pm - 03.35pm	03.35pm - 04.20pm
MON	EE8701	EE8702	BREAK	EE8703		LUNCH BREAK	EE8711 (B1) /		BREAK	EE8712 (B2)	
TUE	EE8702	OBT751		EE8010	OBT751		EE8712 (B2) /			EE8711 (B1)	
WED	EE8010	EE8702		OBT751	EE8701		OBT751	T & P (A)		EE8010	EE8701
THU	OBT751	EE8701		EE8703			CC	EE8702		Sports	
FRI	EE8703			T & P (SS)	EE8010		EE8702	EE8701		EE8010	OBT751
SAT	EE8701	EE8010		EE8702	NPTEL		Project			NPTEL	LIB/NET

SUB CODE	NAME OF THE SUBJECT	CATEGORY	CREDITS	NAME OF THE STAFF	DEPT	PERIODS/WEEK
TUTORIAL (T), ELECTIVE (E)						
EE8701	High Voltage Engineering	PCC	3	Mr. J. Arokiaraj	EEE	06
EE8702	Power System operation and Control	PCC	3	Mrs. A. Prabha	EEE	06
EE8703	Renewable Energy systems	PCC	3	Dr. A. Albert Martin Ruban	EEE	06
OBT751	Analytical Methods and Instrumentation	OE	3	Mr. R. Sundaramoorthi	EEE	06
EE8010	Power Systems Transients	PEC	3	Dr. G. Suganya	EEE	06
EE8711	Power System Simulation Laboratory	PCC	2	Mrs. A. Prabha	EEE	04
EE8712	Renewable Energy system Laboratory	PCC	2	Mr. J. Arokiaraj	EEE	04

CLASS CO-ORDINATOR	NAME OF THE REPRESENTATIVES	ROLL NO
Mr. J. Arokiaraj	1. R. Vijayaraghavan 2. P. Sneha	30 26
CLASS COMMITTEE CHAIR PERSON	Mr. S. R. Karthikeyan	

VALUE ADDITION INITIATIVES (VAI) - REGULAR HOURS					
LIB/NET	Library / Internet	VAI	Mr. J. Arokiaraj	EEE	01
NPTEL	NPTEL Swayam Courses	VAI	Mr. J. Arokiaraj	EEE	02
SS	Sports	VAI	Mr. J. Arokiaraj	EEE	02
T&P (A)	Training & Placement - Aptitude	VAI	Ms. P. Suganya	T&P	01
T&P(SS)	Training & Placement - Softskill	VAI	Dr. K. Sudhakar	T&P	01
Project	Project Phase - I	VAI	Mr. R. Sundaramoorthi	EEE	02
CC	Certificate Course	VAI	Mr. J. Arokiaraj	EEE	01

S. J. Nataraj
DEPT. TTC 25/7/23

A. Almm
HOD 25/7/23

S. M. M.
25/7/2023
PRINCIPAL



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ACADEMIC YEAR 2023-24 (ODD SEMESTER)

Certificate course on “Real-time Embedded System” – Report

The Department of Electrical and Electronics Engineering successfully organized a certification course on “Real-time Embedded System” for final-year EEE students. The sessions were conducted on the following dates: **03.08.2023, 10.08.2023, 17.08.2023, 24.08.2023, 31.08.2023, 07.09.2023, 14.09.2023, 21.09.2023, 28.09.2023, 05.10.2023, 12.10.23, 19.10.23, 26.10.23, 02.11.23 and 09.11.23.**

OBJECTIVES:

The primary objective of this course was to:

1. Provide a deep understanding of real-time system principles and Real-Time Operating Systems (RTOS).
2. Equip students with the skills to design and program embedded systems.
3. Explore real-world applications and case studies.
4. Offer hands-on experience through practical labs and projects.

COURSE DETAILS:

Real-time embedded systems form the backbone of modern technology, powering applications ranging from medical devices to industrial automation. This course was designed to equip students with a comprehensive understanding of the principles, challenges, and techniques involved in real-time embedded system development.

The course commenced with an introduction to the fundamental principles of real-time computing, including key topics such as:

- **Timing Constraints:** Understanding the need for precise timing in real-time systems.
- **Task Scheduling:** Exploring static and dynamic scheduling algorithms.
- **Concurrency Management:** Managing multiple tasks and resources effectively.

Students were introduced to Real-Time Operating Systems (RTOS), a critical component of real-time embedded systems. Practical sessions focused on:

- Configuring RTOS for embedded environments.

- Managing tasks, interrupts, and system resources.
- Optimizing system performance under stringent timing constraints.

Advanced topics included:

- **Interrupt Handling:** Designing interrupt-driven systems for efficient performance.
- **Device Drivers:** Creating and integrating drivers for embedded hardware.
- **Low-Level Programming:** Writing deterministic and optimized code for embedded platforms.

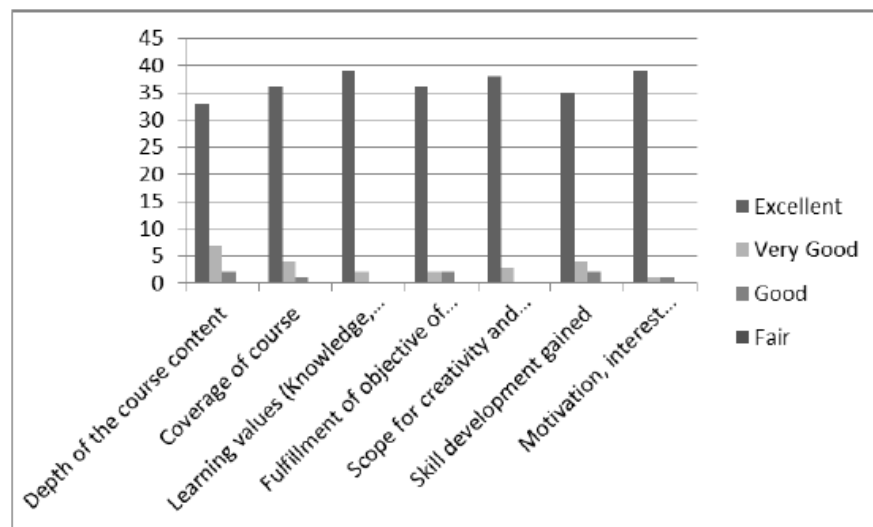
The course emphasized practical applications through hands-on projects and laboratory sessions. Real-world case studies from industries such as automotive safety, healthcare devices, and IoT systems provided insights into the deployment of real-time embedded systems in diverse domains.

COURSE OUTCOME:

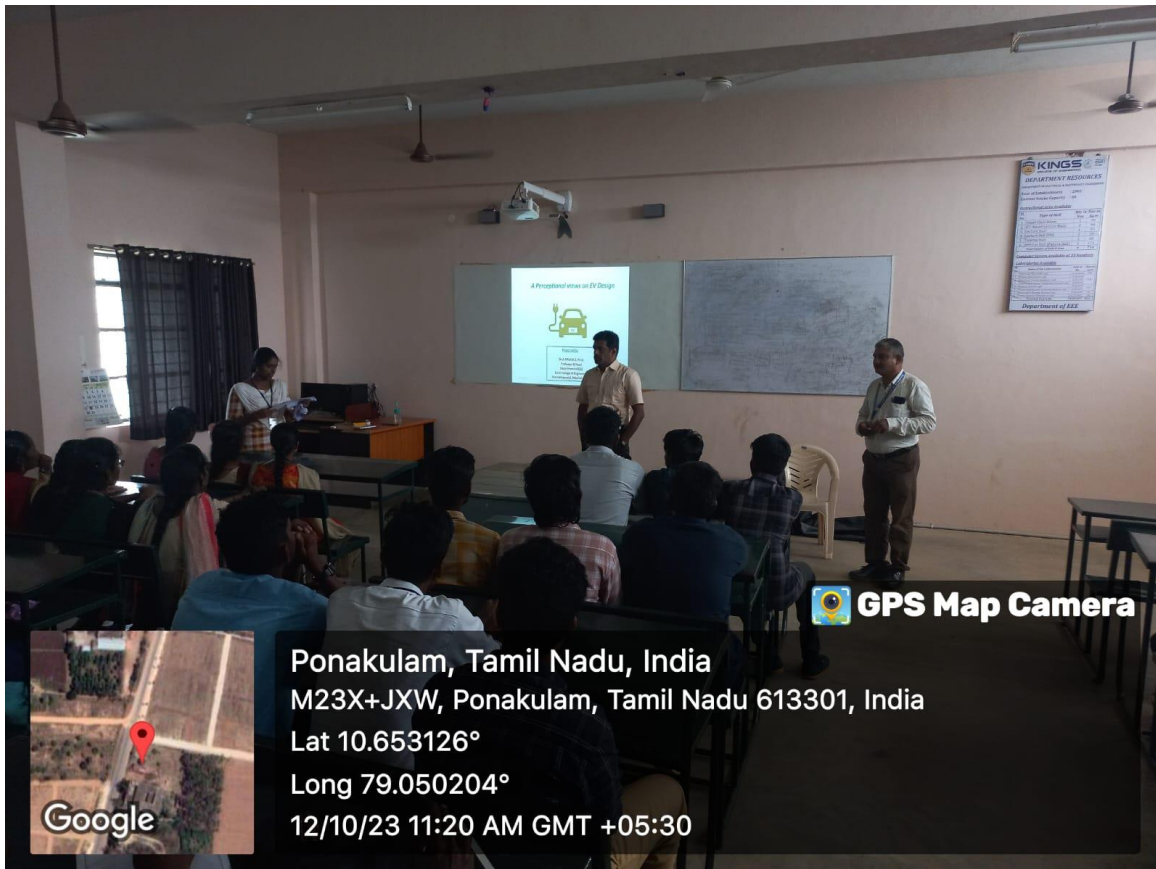
By the end of the course, students achieved the following outcomes:

1. A thorough understanding of real-time embedded system principles, including task scheduling, concurrency management, and hardware-software co-design.
2. Proficiency in programming techniques for real-time applications, ensuring performance and reliability.
3. The ability to design, implement, and test embedded systems tailored to specific real-time requirements.
4. Practical experience through hands-on projects, preparing students for careers in embedded systems development, robotics, and IoT.

FEEDBACK ANALYSIS:



Snapshot from certificate course



S. Nanthi
30/01

FACULTY IN-CHARGE

A. Albert Martin Ruban
30/01/24

HOD / EEE

Dr.A.ALBERT MARTIN RUBAN,ME.,Ph.D.,
Head of the Department
Department of Electrical and Electronics Engineering
Kings College of Engineering
Punalkulam
Pudukkottai-613303

S. Nanthi
30/1/2024

PRINCIPAL

Principal

Kings College of Engineering
Punalkulam - 613 303



A NAAC Accredited Institution
KINGS
COLLEGE OF ENGINEERING
Recognized under 2(f) & 12(B) of UGC
Approved by AICTE, New Delhi
Affiliated to Anna University, Chennai



CERTIFICATE

This is to certify that

Semili. K

of “Kings College of Engineering” has completed the certificate course on the title of “Real – time Embedded System” organized by Department of Electrical and Electronics Engineering, Kings college of Engineering, Punalkulam on 30.01.2024.

Dr. A. Albert Martin Ruban,
HOD / EEE

Dr. J. Arputha Vijaya Selvi,
Principal

E-certificate does not require signature



A NAAC Accredited Institution
KINGS
COLLEGE OF ENGINEERING
Recognized under 2(f) & 12(B) of UGC
Approved by AICTE, New Delhi
Affiliated to Anna University, Chennai



CERTIFICATE

This is to certify that

Jenish. A

of “Kings College of Engineering” has completed the certificate course on the title of “Real – time Embedded System” organized by Department of Electrical and Electronics Engineering, Kings college of Engineering, Punalkulam on 30.01.2024.

Dr. A. Albert Martin Ruban,
HOD / EEE

Dr. J. Arputha Vijaya Selvi,
Principal

E-certificate does not require signature



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

TIME TABLE (February 2024 - MAY 2024, EVEN SEM)

B.E - EEE (Reg. 2021) - With Effect from 13.03.2024 - Tentative Last working Day 13.06.2024

Batch:2022 - 2026

Strength:60

Year: II

Semester: IV

Class Room: 132

Block: I

Session	1	2	10.45 am - 11.00 am	3	4	12.30 pm - 01.10 pm	5	6	02.40 pm - 02.50 pm	7	8	
Day	09.15am - 10.00am	10.00am - 10.45am		11.00am - 11.45am	11.45am - 12.30pm		01.10pm - 01.55pm	01.55pm - 02.40pm		02.50pm - 03.35pm	03.35pm - 04.20pm	
MON	EE3402	EE3403	BREAK	EE3404	T&P(SS)	LUNCH BREAK	EE3402	EE3401	BREAK	EE3404	EE3405	
TUE	EE3405	EE3404		T&P (A)	EE3401		GE3451	EE3412 (B1) /		EE3411 (B2)		
WED	EE3403	EE3413 (B1) /		EE3412 (B2)			EE3403	GE3451		EE3404	EE3402	
THU	EE3402	EE3401		GE3451	EE3404		EE3401	CC		NPTEL	LIB/NET	
FRI	EE3405	EE3411 (B1) /		EE3413 (B2)			EE3405	EE3403		EE3402	EE3401	
SAT	EE3401	GE3451		EE3403	EE3405		EE3404	EE3402		EE3405	NPTEL	

SUB CODE	NAME OF THE SUBJECT	CATEGORY	CREDITS	NAME OF THE STAFF	DEPT	PERIODS/WEEK
TUTORIAL (T), PROFESSIONAL ELECTIVE (E)						
GE3451	Environmental Sciences and Sustainability	BSC	2	Dr. S. Udhayakumar	CHE	4
EE3401	Transmission and Distribution	PCC	3	Dr. S. Naveen Prakash	EEE	6
EE3402	Linear Integrated Circuits	PCC	3	Mr. R. Sathiyaraj	ECE	6
EE3403	Measurements and Instrumentation	PCC	3	Mrs. P. Thirumagal	EEE	5
EE3404	Microprocessor and Microcontroller	PCC	3	Dr. P. Narasimman	EEE	6
EE3405	Electrical Machines- II	PCC	3	Dr. S. Vasantharaj	EEE	6
PRACTICAL (P)						
EE3411	Electrical Machines Laboratory - II	PCC	1.5	Dr. S. Naveen Prakash	EEE	3
EE3412	Linear and Digital Circuits Laboratory	PCC	1.5	Mr. R. Sathiyaraj	ECE	3
EE3413	Microprocessor and Microcontroller Laboratory	PCC	1.5	Dr. P. Narasimman	EEE	3

VALUE ADDITION INITIATIVES (VAI)					
LIB/NET	Library / Internet	VAI	Dr. S. Vasantharaj	EEE	1
NPTEL	NPTEL Swayam Courses	VAI	Dr. S. Vasantharaj	EEE	2
T&P (A)	Training & Placement - Aptitude	VAI	Ms. P. Suganya	T&P	1
T&P(SS)	Training & Placement - Soft skill	VAI	Dr. K. Sudhakar	T&P	1
CC	Certificate Course	VAI	Dr. S. Vasantharaj	EEE	1

CLASS CO-ORDINATOR	NAME OF THE REPRESENTATIVES	ROLL NO
Dr. S. Vasantharaj	1. Venkadeshwaran. G 2. Sivasangari. G	54 45
CLASS COMMITTEE CHAIR PERSON	Mr. R. Sundaramoorthi	

S. Natter
15/02
DEPT. TTC

S. Natter
15/2/24
HOD

S. Natter
15/2/2024
PRINCIPAL



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ACADEMIC YEAR 2023-24 (EVEN SEMESTER)

Certificate course on “Power Systems and Electrical Machines” – Report

The Department of Electrical and Electronics Engineering organized a certification course on the topic “**Advances in Power Systems and Electrical Machines**” for second-year EEE students. The course sessions were conducted on the following dates: **14.03.24, 21.03.24, 28.03.24, 04.04.24, 11.04.24, 18.04.24, 25.04.24, 02.05.24, 09.05.24, 16.05.24, 18.05.24, 23.05.24 and 08.06.24.**

OBJECTIVES:

The primary objectives of this course were to:

- Provide an in-depth understanding of the latest advancements in power systems and electrical machines.
- Enhance knowledge on renewable energy integration into power grids and its impact on system stability.
- Introduce modern computational tools for analyzing and simulating electrical systems.
- Offer hands-on experience in designing efficient electrical machines and optimizing their performance.

COURSE DETAILS:

This course aimed to bridge the gap between traditional electrical engineering practices and cutting-edge advancements in power systems and electrical machines. With the rapid evolution of technology in this field, students were introduced to contemporary trends, practical tools, and industry-relevant knowledge.

The course commenced with foundational topics on power systems and electrical machines, gradually progressing to advanced themes such as renewable energy integration, smart grid technologies, and machine performance optimization.

Key topics included advancements in:

- **Power Systems:**
 - Smart grids and their role in modern energy management.
 - Integration of renewable energy sources (solar, wind, and hydro) into power networks.

- Advanced power system protection techniques, including adaptive relaying.
- Grid stability and demand-side management.
- Microgrids and distributed generation technologies.
- **Electrical Machines:**
 - High-efficiency motor designs, including brushless DC (BLDC) and permanent magnet synchronous motors (PMSM).
 - Advanced cooling techniques to improve machine efficiency and lifespan.
 - Diagnostics and fault detection in electrical machines.
 - Emerging materials for machine cores and windings to enhance performance.
 - Design and optimization of machines for electric vehicles and renewable energy applications.
- **Special Focus Areas:**
 - Artificial intelligence and machine learning for power system optimization and predictive maintenance.
 - Power electronics in modern machine control and energy conversion.
 - Case studies on electric vehicle charging infrastructure and its impact on power systems.
 - Real-world examples of high-voltage direct current (HVDC) and flexible AC transmission systems (FACTS).

The course included a blend of theoretical and practical learning. Students participated in hands-on simulations, laboratory experiments, and real-world case studies. They utilized state-of-the-art tools for power system analysis and machine design, enabling them to tackle contemporary challenges in the field effectively.

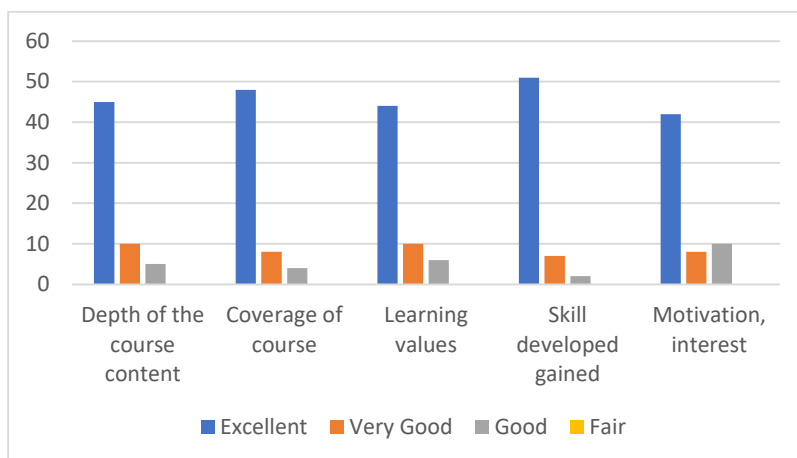
COURSE OUTCOME:

Upon completion of the course, students were able to:

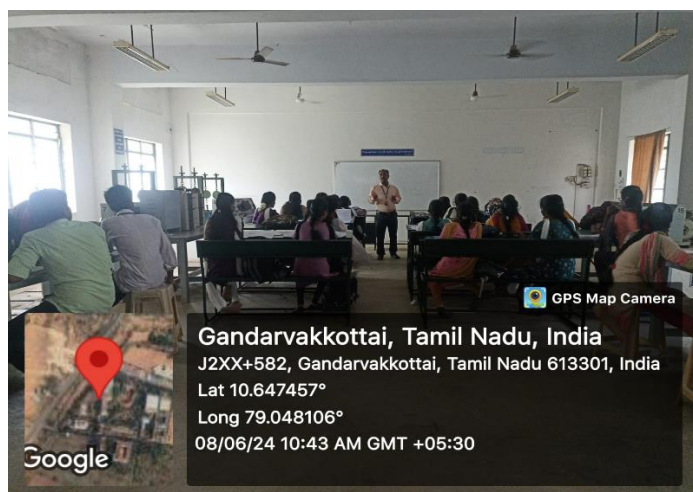
1. Demonstrate an advanced understanding of modern power systems, including renewable integration and grid technologies.
2. Design, simulate, and optimize electrical machines tailored for specific applications.
3. Analyze the stability and efficiency of power systems using advanced computational tools.
4. Apply modern diagnostic techniques to ensure the reliability of electrical machines.
5. Understand the role of electrical systems in driving sustainability and addressing global energy challenges.

This course prepared students for the demands of the energy sector by equipping them with both theoretical insights and practical expertise in power systems and electrical machines.

FEEDBACK ANALYSIS:



Snapshot from certificate course



G. V. Nathan
14/8/24
Faculty In-charge

Mr. R. Sundaramoorthi
14/8/24
HOD / EEE

S. Ramesh
14/8/24

PRINCIPAL
Principal
Kings College of Engineering
Punalkulam - 613 303

Mr. R. Sundaramoorthi
HOD - EEE
Kings College of Engineering
Punalkulam - 613 303



A NAAC Accredited Institution
KINGS
COLLEGE OF ENGINEERING
Recognized under 2(f) & 12(B) of UGC
Approved by AICTE, New Delhi
Affiliated to Anna University, Chennai



CERTIFICATE

This is to certify that

Dharshini G

of “Kings College of Engineering” has completed the certificate course on the title of “Power Systems and Electrical Machines” organized by Department of Electrical and Electronics Engineering, Kings college of Engineering, Punalkulam on 14.08.2024.

Mr. R. Sundaramoorthi,
HOD / EEE

Dr. J. Arputha Vijaya Selvi,
Principal

E-certificate does not require signature



A NAAC Accredited Institution
KINGS
COLLEGE OF ENGINEERING
Recognized under 2(f) & 12(B) of UGC
Approved by AICTE, New Delhi
Affiliated to Anna University, Chennai



CERTIFICATE

This is to certify that

Nandhakumar D

of “Kings College of Engineering” has completed the certificate course on the title of “Power Systems and Electrical Machines” organized by Department of Electrical and Electronics Engineering, Kings college of Engineering, Punalkulam on 14.08.2024.

Mr. R. Sundaramoorthi,
HOD / EEE

Dr. J. Arputha Vijaya Selvi,
Principal

E-certificate does not require signature

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING****TIME TABLE (February 2024 – MAY 2024, EVEN SEM)****B.E – EEE (Reg. 2021) - With Effect from 01.02.2024 - Tentative Last working Day 03.05.2024****Batch:2021 - 2025****Year: III****Semester: VI****Class Room: 133****Strength:31****Block: I**

Session	1	2	10.45 am - 11.00 am	3	4	12.30 pm - 01.10 pm	5	6	02.40 pm - 02.50 pm	7	8	
Day	09.15am - 10.00am	10.00am - 10.45am		11.00am - 11.45am	11.45am - 12.30pm		01.10pm - 01.55pm	01.55pm - 02.40pm		02.50pm - 03.35pm	03.35pm - 04.20pm	
MON	EE3011	EE3033	BREAK	EE3601	T&P (A)	LUNCH BREAK	EE3011	EE3602	BREAK	EE3007	EE3007	
TUE	EE3602	EE3601		EE3033	EE3602		EE3033	MX3089		EE3007	EE3011	
WED	EE3033	EE3602		T&P(SS)	LIB/NET		CC	EE3601		MX3089	EE3033	
THU	EE3602/ NM	EE3011/ NM		EE3007/ NM	EE3033/ NM		EE3601/ NM	EE3011/ NM		EE3601/ NM	NPTEL/ NM	
FRI	EE3601	MX3089		EE3602	EE3011		EE3611			EE3611 (B1 & B2)		
SAT	EE3007	EE3011		EE3007	CC		EE3601	EE3602		NPTEL	GATE / CE	

SUB CODE	NAME OF THE SUBJECT	CATEGORY	CREDITS	NAME OF THE STAFF	DEPT	PERIODS/WEEK
TUTORIAL (T), PROFESSIONAL ELECTIVE (E)						
EE3601	Protection and Switchgear	PC	3	Dr. S. Naveen Prakash	EEE	5
EE3602	Power System operation and Control	PC	3	Dr. A. Prabha	EEE	6
EE3033	Hybrid Energy Technology	PE	3	Mr. R. Sundaramoorthi	EEE	5
EE3011	Multilevel Power Converters	PE	3 (P)	Mr. S. R. Karthikeyan	EEE	5
EE3007	Smart Grid	PE	3	Dr. G. Suganya	EEE	5
MX3089	Industrial Safety	MC	0	Dr. B. Barankumar	MGT	3
PRACTICAL (P)						
EE3611	Power System Laboratory	PC	1.5	Dr. A. Prabha	EEE	4

VALUE ADDITION INITIATIVES (VAI) - REGULAR HOURS

GATE / CE	GATE / Competitive Exam	VAI	Dr. S. Vasantharaj Dr. G. Suganya	EEE	1
LIB/NET	Library / Internet	VAI	Mr. S. R. Karthikeyan	EEE	1
NPTEL	NPTEL Swayam Courses	VAI	Mr. S. R. Karthikeyan	EEE	1
T&P (A)	Training & Placement - Aptitude	VAI	Ms. P. Suganya	T&P	1
T&P(SS)	Training & Placement - Soft skill	VAI	Dr. B. Suresh Babu	T&P	1
CC	Certificate Course	VAI	Mr. S. R. Karthikeyan	EEE	2

CLASS CO-ORDINATOR	NAME OF THE REPRESENTATIVES	ROLL NO
Mr. S. R. Karthikeyan	1. K. Ruthran 2. S. Thusari	14 22
CLASS COMMITTEE CHAIR PERSON	Mr. J. Arokiaraj	

S. Nathsingh
DEPT. TTC 30/01

A. Arumugam
30/01/24
HOD

J. Arumugam
30/01/2024
PRINCIPAL



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ACADEMIC YEAR 2023-24 (EVEN SEMESTER)

Certificate course on “Electric Vehicles (EV) Technology” – Report

The Department of Electrical and Electronics Engineering organized a certification course on the topic “**Electric Vehicles (EV) Technology**” for third-year EEE students. The course sessions were conducted on the following dates: **16.03.2024, 20.03.2024, 23.03.2024, 27.03.2024, 30.03.2024, 03.04.2024, 06.04.2024, 10.04.2024, 13.04.2024, 17.04.2024, 20.04.2024, 24.04.2024, 27.04.2024 and 08.05.2024.**

OBJECTIVES:

The primary objectives of this course were to:

1. Introduce students to the fundamentals and recent advancements in electric vehicle (EV) technology.
2. Equip students with knowledge of EV powertrain components, energy management, and charging systems.
3. Familiarize students with the role of renewable energy in EV infrastructure.
4. Provide hands-on experience in EV design, simulation, and testing tools.

COURSE DETAILS:

As the world transitions toward sustainable transportation, electric vehicles play a pivotal role in reducing carbon emissions and dependence on fossil fuels. This course was designed to provide students with comprehensive knowledge of EV technology, ranging from the basics of electric mobility to cutting-edge advancements in EV systems and infrastructure.

The course began with an introduction to EV technology, covering the history of electric mobility and its role in sustainable development. Students then delved into the components of an EV powertrain and the principles governing its operation.

Key topics included advancements in:

- **EV Powertrain and Components:**
 - Fundamentals of EV powertrain architecture.
 - Electric motors for EVs: BLDC, PMSM, and induction motors.

- Battery technologies: Lithium-ion, solid-state batteries, and alternative energy storage systems.
- Regenerative braking systems and energy recovery mechanisms.
- **Charging Infrastructure and Energy Management:**
 - EV charging systems: AC and DC fast charging.
 - Wireless charging and vehicle-to-grid (V2G) technology.
 - Renewable energy integration with EV charging stations.
 - Energy management strategies for optimizing battery performance.
- **Emerging Technologies in EVs:**
 - Autonomous and connected EVs.
 - Artificial intelligence in EV diagnostics and fleet management.
 - Lightweight materials and aerodynamics for enhancing EV efficiency.
 - Role of IoT in EV monitoring and optimization.
- **Special Focus Areas:**
 - Government policies, subsidies, and regulations promoting EV adoption.
 - Case studies on EV manufacturers and their innovative technologies.
 - Challenges in EV adoption: range anxiety, charging infrastructure, and battery recycling.
 - Simulation tools for designing and testing EV components and systems.

Hands-on sessions allowed students to work with EV simulation tools, enabling them to design and optimize EV powertrains and energy systems. Real-world examples and industry use cases were analyzed to provide a practical perspective on the challenges and opportunities in the EV sector.

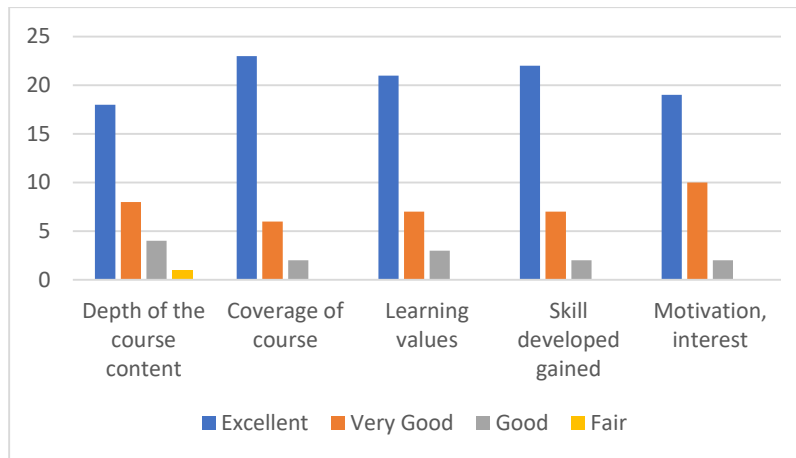
COURSE OUTCOME:

Upon successful completion of the course, students were able to:

1. Demonstrate an understanding of EV powertrain components, battery technologies, and energy management systems.
2. Design and simulate EV powertrains and charging systems for various applications.
3. Analyze and address challenges in EV adoption, such as range limitations and infrastructure development.
4. Apply modern tools and techniques to optimize EV performance and sustainability.
5. Understand the economic, environmental, and technological implications of EV adoption.

This certification course prepared students to contribute effectively to the rapidly growing EV industry by equipping them with both theoretical and practical expertise in electric mobility technologies.

FEEDBACK ANALYSIS:



Snapshot from certificate course



G. V. Narthi
14/8/24
FACULTY In-charge

Mr. R. Sundaramoorthi
14/8/24
HOD / EEE

S. Ramesh
14/8/24

PRINCIPAL

Principal
Kings College of Engineering
Punalkulam - 613 303

Mr. R. Sundaramoorthi
HOD - EEE
Kings College of Engineering
Punalkulam - 613 303



A NAAC Accredited Institution
KINGS
COLLEGE OF ENGINEERING
Recognized under 2(f) & 12(B) of UGC
Approved by AICTE, New Delhi
Affiliated to Anna University, Chennai



CERTIFICATE

This is to certify that

Gokul M

of “Kings College of Engineering” has completed the certificate course on the title of “Electric Vehicles (EV) Technology” organized by Department of Electrical and Electronics Engineering, Kings college of Engineering, Punalkulam on 14.08.2024.

Mr. R. Sundaramoorthi,
HOD / EEE

Dr. J. Arputha Vijaya Selvi,
Principal

E-certificate does not require signature



A NAAC Accredited Institution
KINGS
COLLEGE OF ENGINEERING
Recognized under 2(f) & 12(B) of UGC
Approved by AICTE, New Delhi
Affiliated to Anna University, Chennai



CERTIFICATE

This is to certify that

Thusari S

of “Kings College of Engineering” has completed the certificate course on the title of “Electric Vehicles (EV) Technology” organized by Department of Electrical and Electronics Engineering, Kings college of Engineering, Punalkulam on 14.08.2024.

Mr. R. Sundaramoorthi,
HOD / EEE

Dr. J. Arputha Vijaya Selvi,
Principal

E-certificate does not require signature



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

TIME TABLE (February 2024 – MAY 2024, EVEN SEM)

B.E – EEE (Reg. 2017) - With Effect from 01.02.2024 - Tentative Last working Day 03.05.2024

Batch:2020 - 2024

Strength:41

Year: IV

Semester: VIII

Class Room: 134

Block: I

Session	1	2	10.45 am - 11.00 am	3	4	12.30 pm - 01.10 pm	5	6	02.40 pm - 02.50 pm	7	8
Day	09.15am - 10.00am	10.00am - 10.45am		11.00am - 11.45am	11.45am - 12.30pm		01.10pm - 01.55pm	01.55pm - 02.40pm		02.50pm - 03.35pm	03.35pm - 04.20pm
MON	EE8019	EE8019			EE8015		EE8015			EE8811	
TUE	EE8015	EE8015	BREAK	EE8019	EE8019	LUNCH BREAK	NPTEL	BREAK	EE8811		
WED	EE8019	NPTEL		EE8015	NPTEL		EE8811		EE8811		
THU	EE8015	EE8015		EE8019	EE8019		EE8811		RWP	CC	
FRI	EE8019	EE8015		RC	LIB/NET		EE8811		T&P (SS)		
SAT	EE8811			EE8811			EE8811		EE8811		

SUB CODE	NAME OF THE SUBJECT	CATEGORY	CREDITS	NAME OF THE STAFF	DEPT	PERIODS/WEEK
TUTORIAL (T), PROFESSIONAL ELECTIVE (PE)						
EE8015	Electric Energy Generation, Utilization and Conservation	PE	3	Dr.A.Albert Martin Ruban	EEE	8
EE8019	Smart Grid	PE	3	Mr. J. Arokiaraj	EEE	8
PRACTICAL (P)						
EE8811	Project Work	EEC	10	Mr. R. Sundaramoorthi	EEE	20

VALUE ADDITION INITIATIVES (VAI) - REGULAR HOURS					
LIB/NET	Library / Internet	VAI	Mr. J. Arokiaraj	EEE	1
NPTEL	NPTEL Swayam Courses	VAI	Mr. J. Arokiaraj	EEE	4
T&P (A)	Training & Placement - Aptitude	VAI	Ms. P. Suganya	T&P	2
T&P(SS)	Training & Placement – Soft skill	VAI	Dr. K. Sudhakar	T&P	2
CC	Certificate Course	VAI	Mr. J. Arokiaraj	BEE	1
RWP	Report Writing	VAI	Mr. R. Sundaramoorthi	EEE	1
RC	Refresher Course	VAI	Mr. J. Arokiaraj	EEE	1

CLASS CO-ORDINATOR	NAME OF THE REPRESENTATIVES	ROLL NO
Mr. J. Arokiaraj	1. R. Vijayaraghavan 2. R. Kanimozhi	30 10
CLASS COMMITTEE CHAIR PERSON	Mr. S. R. Karthikeyan	

S. J. Nathan
DEPT. TTC 30/01

A. Arumugam
30/01/24
HOD

S. Mani
30/01/2024
PRINCIPAL



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ACADEMIC YEAR 2023-24 (EVEN SEMESTER)

Certificate course on “Renewable Energy and Solar Power” – Report

The Department of Electrical and Electronics Engineering organized a certification course on the topic “**Renewable Energy and Solar Power**” for final-year EEE students. The course sessions were conducted on the following dates: **14.03.24, 21.03.24, 28.03.24, 04.04.24, 11.04.24, 18.04.24, 25.04.24, 02.05.24, 09.05.24, 16.05.24, 18.05.24, 23.05.24 and 08.06.24.**

OBJECTIVES:

The primary objectives of this course were to:

1. Provide a thorough understanding of renewable energy sources, with a specific focus on solar power.
2. Explore the latest technologies and advancements in solar energy systems.
3. Introduce methods for integrating renewable energy into smart grids and storage systems.
4. Offer hands-on experience in the design, simulation, and optimization of renewable energy systems.

COURSE DETAILS:

The course emphasized the significance of renewable energy in the global energy transition and focused extensively on solar power as a leading sustainable energy solution.

The sessions began with an overview of renewable energy sources, covering their importance, potential, and contribution to reducing carbon emissions. A detailed exploration of solar energy technologies followed, highlighting their technical and practical aspects.

Key topics included advancements in:

- **Renewable Energy Technologies:**
 - Wind, hydro, biomass, and geothermal energy systems.
 - Challenges in renewable energy integration into the power grid.
 - Energy storage solutions for intermittent renewable energy sources, including batteries and pumped hydro storage.
- **Solar Energy Systems:**
 - High-efficiency solar cells, including perovskite, bifacial, and tandem cells.
 - Thin-film and flexible solar panels for versatile applications.
 - Solar thermal energy systems for heating, cooling, and power generation.

- Floating solar farms and rooftop solar systems.
- Solar tracking systems and hybrid renewable systems.

Special Focus Areas:

- Artificial intelligence and machine learning for optimizing renewable energy systems.
- Integration of renewable energy with smart grids for energy management.
- Financial and policy aspects driving renewable energy adoption globally.
- Solar desalination technologies for water treatment and production.

The course provided a practical approach through hands-on projects, simulations, and case studies. Students designed and optimized renewable energy systems for specific applications, such as residential, industrial, and rural electrification projects. Real-world examples of successful renewable energy implementations were also discussed to help students understand the challenges and solutions in this field.

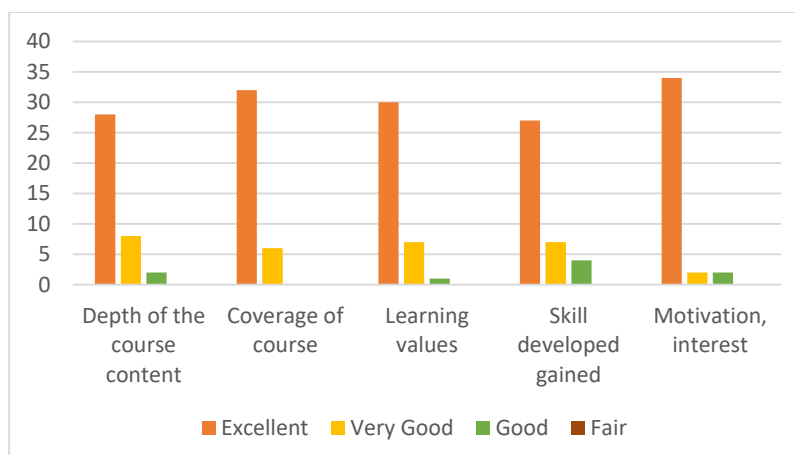
COURSE OUTCOME:

Upon completion of the course, students were able to:

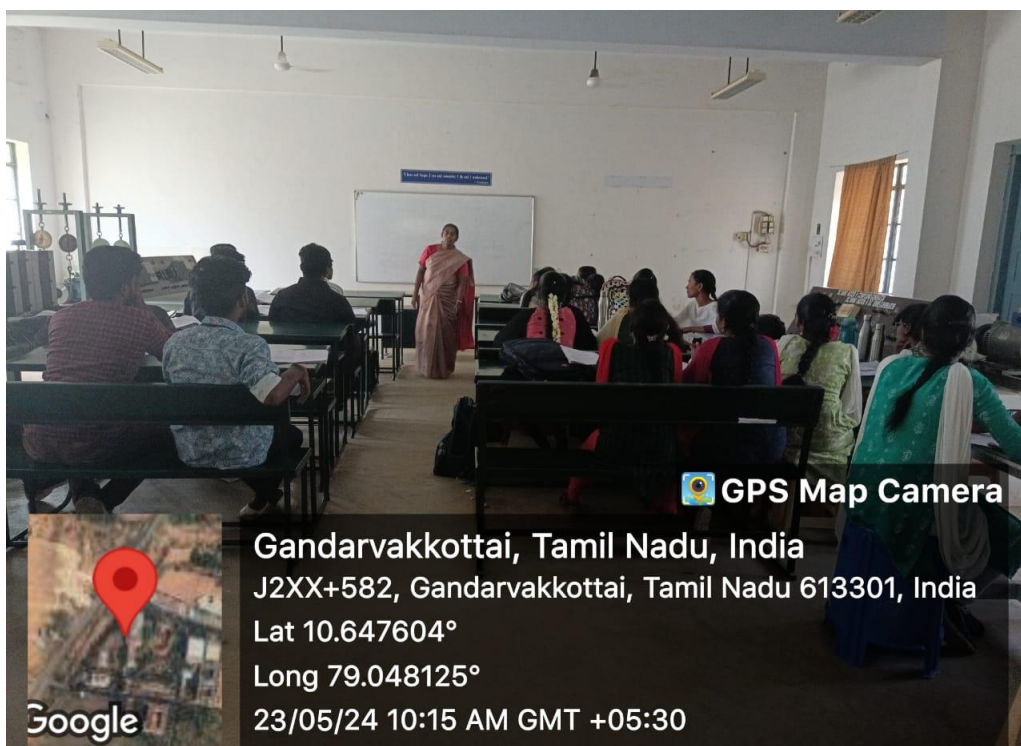
1. Understand the principles and advancements in renewable energy, particularly solar power technologies.
2. Analyze and design renewable energy systems, ensuring efficiency and reliability.
3. Utilize simulation tools to optimize the performance of renewable energy systems.
4. Integrate solar and renewable energy solutions with energy storage systems and grid infrastructure.
5. Assess the environmental and socio-economic impacts of renewable energy projects, equipping them for future challenges in sustainable energy development.

This course equipped students with the knowledge and skills to contribute effectively to the renewable energy sector and prepared them to address the challenges of energy sustainability and climate change.

FEEDBACK ANALYSIS:



Snapshot from certificate course



G. Nanthi
14/8/24

Faculty In-charge

S. Ramesh
14/8/24

PRINCIPAL

Principal

Kings College of Engineering
Punalkulam - 613 303

R. Sundaramoorthi
14/8/24

HOD / EEE

Mr. R. Sundaramoorthi
HOD - EEE
Kings College of Engineering
Punalkulam - 613 303



A NAAC Accredited Institution
KINGS
COLLEGE OF ENGINEERING
Recognized under 2(f) & 12(B) of UGC
Approved by AICTE, New Delhi
Affiliated to Anna University, Chennai



CERTIFICATE

This is to certify that

Elanangai G

of “Kings College of Engineering” has completed the certificate course on the title of “Renewable Energy and Solar Power” organized by Department of Electrical and Electronics Engineering, Kings college of Engineering, Punalkulam on 14.08.2024.

Mr. R. Sundaramoorthi,
HOD / EEE

Dr. J. Arputha Vijaya Selvi,
Principal

E-certificate does not require signature



A NAAC Accredited Institution
KINGS
COLLEGE OF ENGINEERING
Recognized under 2(f) & 12(B) of UGC
Approved by AICTE, New Delhi
Affiliated to Anna University, Chennai



CERTIFICATE

This is to certify that

Vikash M

of “Kings College of Engineering” has completed the certificate course on the title of “Renewable Energy and Solar Power” organized by Department of Electrical and Electronics Engineering, Kings college of Engineering, Punalkulam on 14.08.2024.

Mr. R. Sundaramoorthi,
HOD / EEE

Dr. J. Arputha Vijaya Selvi,
Principal

E-certificate does not require signature

REFRESHER COURSE




DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
TIME TABLE (February 2024 – MAY 2024, EVEN SEM)
B.E – EEE (Reg. 2017) - With Effect from 01.02.2024 - Tentative Last working Day 03.05.2024
Batch:2020 - 2024
Strength:41
Year: IV
Semester: VIII
Class Room: 134
Block: I

Session	1	2	10.45 am - 11.00 am	3	4	12.30 pm - 01.10 pm	5	6	02.40 pm - 02.50 pm	7	8
Day	09.15am - 10.00am	10.00am - 10.45am		11.00am - 11.45am	11.45am - 12.30pm		01.10pm - 01.55pm	01.55pm - 02.40pm		02.50pm - 03.35pm	03.35pm - 04.20pm
MON	EE8019	EE8019	BREAK	EE8015	EE8015	LUNCH BREAK	EE8811		BREAK	T&P (A)	
TUE	EE8015	EE8015		EE8019	EE8019		NPTEL			EE8811	
WED	EE8019	NPTEL		EE8015	NPTEL		EE8811			EE8811	
THU	EE8015	EE8015		EE8019	EE8019		EE8811			RWP	CC
FRI	EE8019	EE8015		RC	LIB/NET		EE8811			T&P (SS)	
SAT	EE8811			EE8811			EE8811			EE8811	

SUB CODE	NAME OF THE SUBJECT	CATEGORY	CREDITS	NAME OF THE STAFF	DEPT	PERIODS/WEEK
TUTORIAL (T), PROFESSIONAL ELECTIVE (PE)						
EE8015	Electric Energy Generation, Utilization and Conservation	PE	3	Dr.A.Albert Martin Ruban	EEE	8
EE8019	Smart Grid	PE	3	Mr. J. Arokiaraj	EEE	8
PRACTICAL (P)						
EE8811	Project Work	EEC	10	Mr. R. Sundaramoorthi	EEE	20

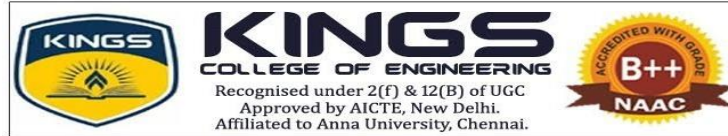
VALUE ADDITION INITIATIVES (VAI) - REGULAR HOURS					
LIB/NET	Library / Internet	VAI	Mr. J. Arokiaraj	EEE	1
NPTEL	NPTEL Swayam Courses	VAI	Mr. J. Arokiaraj	EEE	4
T&P (A)	Training & Placement - Aptitude	VAI	Ms. P. Suganya	T&P	2
T&P(SS)	Training & Placement – Soft skill	VAI	Dr. K. Sudhakar	T&P	2
CC	Certificate Course	VAI	Mr. J. Arokiaraj	BEE	1
RWP	Report Writing	VAI	Mr. R. Sundaramoorthi	EEE	1
RC	Refresher Course	VAI	Mr. J. Arokiaraj	EEE	1

CLASS CO-ORDINATOR	NAME OF THE REPRESENTATIVES	ROLL NO
Mr. J. Arokiaraj	1. R. Vijayaraghavan 2. R. Kanimozhi	30 10
CLASS COMMITTEE CHAIR PERSON	Mr. S. R. Karthikeyan	

S. R. Karthikeyan
DEPT. TTC 30/01

A. Arumugam
30/01/24
HOD

S. R. Karthikeyan
30/01/2024
PRINCIPAL



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ACADEMIC YEAR 2023-24 (EVEN SEMESTER)

Refresher Course on “Electrical Circuits and Networks” – Report

The Department of Electrical and Electronics Engineering has organized a refresher course on the topic **“Electrical Circuits and Networks”** on the following dates for final-year EEE students. The session dates are: **15.03.2024, 22.03.2024, 29.03.2024, 05.04.2024, 12.04.2024, 19.04.2024, 26.04.2024, 03.05.2024, 10.05.2024, 17.05.2024, 24.05.2024 and 01.06.2024.**

OBJECTIVES:

The primary goals of this course are to:

1. Reinforce foundational principles of electrical circuits and network analysis.
2. Enhance problem-solving skills for complex circuit design and optimization.
3. Provide insights into advanced topics such as transient analysis, AC/DC networks, and network theorems.
4. Equip students with practical skills for real-world applications through hands-on exercises and case studies.

COURSE DETAILS:

The study of Electrical Circuits and Networks forms a cornerstone of electrical engineering. This refresher course offers a thorough review of fundamental principles and explores advanced topics to bridge the gap between academic knowledge and industry requirements.

Key topics covered include:

- Fundamentals of theory: Ohm's Law, Kirchhoff's Laws, and power relationships.
- Network theorems: Thevenin's and Norton's Theorems, Superposition, and Maximum Power Transfer.
- Transient analysis in RLC circuits for both DC and AC excitations.
- Frequency response and resonance in electrical circuits.
- Two-port networks and their applications in circuit design.

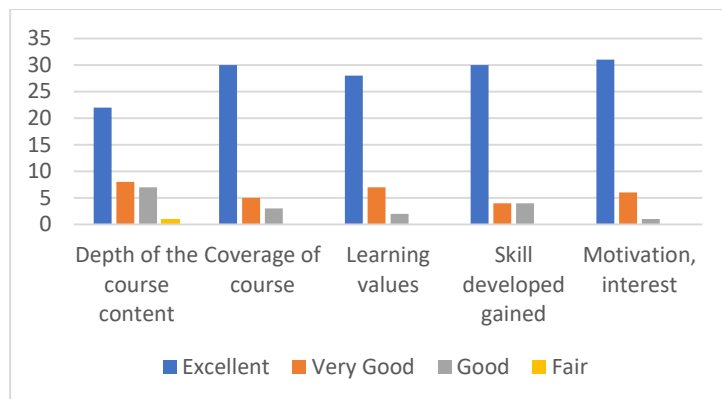
The course combines theoretical instruction with practical lab sessions, enabling students to apply concepts and solve complex circuit problems. Case studies and real-world examples provide insights into modern applications of circuit theory in fields such as renewable energy systems, power distribution, and electronics design.

COURSE OUTCOME:

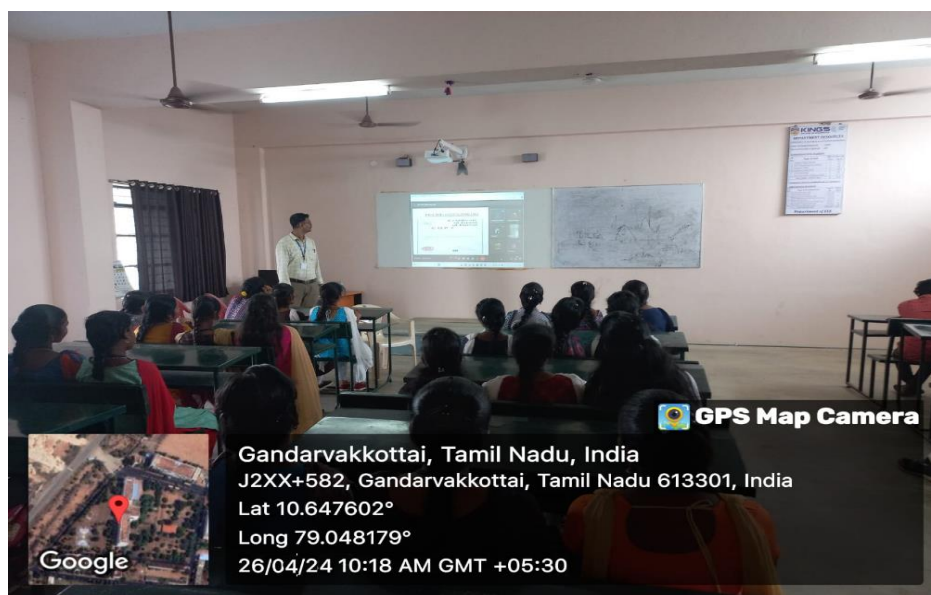
Upon completion, students will be able to:

1. Demonstrate a robust understanding of circuit and network principles and their applications.
2. Analyze and solve advanced circuit problems using systematic approaches.
3. Design and optimize circuits for specific engineering requirements.
4. Apply theoretical knowledge to real-world challenges in power systems, electronics, and automation industries.

FEEDBACK ANALYSIS:



Snapshot from certificate course



G. V. Nathan
14/8/24

Faculty In-charge

Mr. R. Sundaramoorthi
14/8/24

HOD / EEE

S. Ramesh
14/8/24

PRINCIPAL

Principal

Kings College of Engineering
Punalkulam - 613 303

Mr. R. Sundaramoorthi
HOD - EEE
Kings College of Engineering
Punalkulam - 613 303

SWAYAM COURSE




DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

B.E - EEE (Reg. 2021) - With Effect from 20/09/23 - Tentative Last working Day 04/01/24

Batch: 2022 - 2026

Year: II

Semester: III

Class Room: 132

Strength: 60

Block: I

Session	1	2	3	4	5	6	7	8
Day	09.15am 10.00am	10.00am 10.45am	11.00am 11.45am	11.45am 12.30pm	01.10pm 01.55pm	01.55pm 02.40pm	02.50pm 03.35pm	03.35pm 04.20pm
MON	EE3302	EE3303	EE3301	MA3303	EE3301	CS3353	CC	EE3303
TUE	MA3303	EE3302	EE3301	EE3303	EC3301	CS3362	CS3362 (B1 & B2)	
WED	EE3301	EE3311/ (B2)	EC3311 (B1)		CS3354	EE3302	MA3303	EC3301
THU	EC3301	EE3302	MA3303	CS3353	GE3361		GE3361	
FRI	EE3303	CS3353	EC3301	T & P (A)	T & P (SS)	EC3311/ (B2)	EE3311 (B1)	
SAT	CS3353	EC3301	EE3301	EE3303	MA3303	LIB/ NET	EE3302	NPTEL

SUB CODE	NAME OF THE SUBJECT	CATEGORY	CREDITS	NAME OF THE STAFF	DEPT	PERIODS/WEEK
TUTORIAL (T), ELECTIVE (E), LAB (L)						
MA3303	Probability and Complex Functions	BSC	4 (T)	Dr. G. Shankarakalidoss	Maths	5
EE3301	Electromagnetic Fields	PCC	4 (T)	Mrs. P. Thirumagal	EEE	5
EE3302	Digital Logic Circuits	PCC	3	Mr. S. Ramarajan	ECE	5
EC3301	Electron Devices and Circuits	PCC	3	Dr. S. Vasantharaj	EEE	5
EE3303	Electrical Machines-1	PCC	3	Mr. S. Naveen Prakash	EEE	5
CS3353	C Programming and Data Structures	PCC	3	Ms. S. AbikayilAarthi	CSE	5
EC3311	Electronic Devices and Circuits Laboratory	PCC	1.5 (L)	Dr. S. Vasantharaj	EEE	3
EE3311	Electrical Machines Laboratory-1	PCC	1.5 (L)	Mr. S. Naveen Prakash	EEE	3
CS3362	C Programming and Data Structure Lab	PCC	1.5 (L)	Ms. S. AbikayilAarthi	CSE	3
GE3361	Professional Development	EEC	1	Mr. S. Naveen Prakash	EEE	4
CLASS CO-ORDINATOR			NAME OF THE REPRESENTATIVES			ROLL NO
Dr. S. Vasantharaj			Venkateswaran. G Sivasangari. G			57 48
CLASS COMMITTEE CHAIR PERSON			Mr. R. Sundaramoorthi			

VALUE ADDITION INITIATIVES (VAI) - REGULAR HOURS

LIB/NET	Library / Internet	VAI	Dr. S. Vasantharaj	EEE	01
NPTEL	NPTEL Swayam Courses	VAI	Dr. S. Vasantharaj	EEE	01
T&P (A)	Training & Placement - Aptitude	VAI	Ms. P. Suganya	T&P	01
T&P(SS)	Training & Placement - Softskill	VAI	Dr. K. Sudhakar	T&P	01
CC	Certificate Course	VAI	Dr. S. Vasantharaj	EEE	01

 S. Vasantharaj
 DEPT. TTC

 A. Mamm
 18/10/23
 HOD

 T. Mamm
 18/10/2023
 PRINCIPAL


DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
B.E - EEE (Reg. 2021) - With Effect from 27.7.2023 - Tentative Last working Day

 Batch:2021 - 2025
 Year: III

Semester: V

Class Room: 133

 Strength:31
 Block: I

Session	1	2	10.45 am - 11.00 am	3	4	12.30 pm - 01.10 pm	5	6	02.40 pm - 02.50 pm	7	8
Day	09.15a m - 10.00a M	10.00am - 10.45am		11.00am - 11.45am	11.45am - 12.30pm		01.10pm - 01.55pm	01.55pm - 02.40pm		02.50pm - 03.35pm	03.35pm - 04.20pm
MON	EE3503	EE3501	BREAK	EE3037	EE3591	LUNCH BREAK	EE3036	EE3503	BREAK	EE3009	
TUE	EE3591	EE3009		EE3503	EE3501		EE3591	EE3036		T & P (A)	EE3037
WED	EE3009	EE3503		EE3501	MX3084		EE3037	EE3511		EE3511	
THU	NM			NM			NM			NM	
FRI	EE3036	EE3512		EE3512			EE3591	EE3036		T & P (SS)	EE3501
SAT	EE3037	EE3503		MX3084	LIB/ NET		CC	EE3501		EE3009	EE3036

SUB CODE	NAME OF THE SUBJECT	CATEGORY	CREDITS	NAME OF THE STAFF	DEPT	PERIODS/WEEK
TUTORIAL (T), ELECTIVE (E)						
EE3501	Power System Analysis	PC	3	Dr. S. Sivakumar	EEE	06
EE3591	Power Electronics	PC	3	Mr. S. Naveen Prakash	EEE	05
EE3503	Control Systems	PC	3	Dr. P. Narasimman	EEE	05
EE3009	Special Electrical Machines	PE	3	Dr. S. Vasantharaj	EEE	05
EE3036	Sustainable and Environmental Friendly HV Insulation System	PE	3	Dr. G. Suganya	EEE	05
EE3037	Power System Transients	PE	3	Mr. S. R. Karthikeyan	EEE	05
MX3084	Disaster Management	MC	0	Dr. G. Suganya	EEE	03
NM	Naan Mudhalvan	-	-	Dr. G. Suganya	EEE	08
EE3511	Power Electronics Laboratory	PC	1.5 (L)	Dr. P. Narasimman	EEE	03
EE3512	Control and Instrumentation Laboratory	PC	2 (L)	Mr. R. Sundaramoorthi	EEE	03

CLASS CO-ORDINATOR	NAME OF THE REPRESENTATIVES	ROLL NO
Mr. S. R. Karthikeyan	1. V. Vijay 2. S. Thusari	25 22
CLASS COMMITTEE CHAIR PERSON	Mr. J. Arokiaraj	

VALUE ADDITION INITIATIVES (VAI) - REGULAR HOURS

GATE / CE	GATE / Competitive Exam	VAI	Dr. S. Vasantharaj Dr. G. Suganya	EEE	01
LIB/NET	Library / Internet	VAI	Mr. S. R. Karthikeyan	EEE	01
NPTEL	NPTEL Swayam Courses	VAI	Mr. S. R. Karthikeyan	EEE	01
T&P (A)	Training & Placement - Aptitude	VAI	Ms. P. Suganya	T&P	01
T&P(SS)	Training & Placement - Soft skill	VAI	Dr. B. Suresh Babu	T&P	01
CC	Certificate Course	VAI	Mr. S. R. Karthikeyan	EEE	01

 S. J. Athiy
 DEPT. TTC

HOD 14/9/23

 J. R. Ramesh
 14/9/2023
 PRINCIPAL



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
B.E - EEE (Reg. 2017) - With Effect from 27.7.2023 - Tentative Last working Day

Batch:2020 - 2024

Strength:41

Year: IV

Semester: VII

Class Room: 134

Block: I

Session	1	2	10.45 am - 11.00 am	3	4	12.30 pm - 01.10 pm	5	6	02.40 pm - 02.50 pm	7	8
Day	09.15am - 10.00am	10.00am - 10.45am		11.00am - 11.45am	11.45am - 12.30pm		01.10pm - 01.55pm	01.55pm - 02.40pm		02.50pm - 03.35pm	03.35pm - 04.20pm
MON	EE8701	EE8702	BREAK	EE8703		LUNCH BREAK	EE8711 (B1) /		BREAK	EE8712 (B2)	
TUE	EE8702	OBT751		EE8010	OBT751		EE8712 (B2) /			EE8711 (B1)	
WED	EE8010	EE8702		OBT751	EE8701		OBT751	T & P (A)		EE8010	EE8701
THU	OBT751	EE8701		EE8703			CC	EE8702		Sports	
FRI	EE8703			T & P (SS)	EE8010		EE8702	EE8701		EE8010	OBT751
SAT	EE8701	EE8010		EE8702	NPTEL		Project			NPTEL	LIB/NET

SUB CODE	NAME OF THE SUBJECT	CATEGORY	CREDITS	NAME OF THE STAFF	DEPT	PERIODS/WEEK
TUTORIAL (T), ELECTIVE (E)						
EE8701	High Voltage Engineering	PCC	3	Mr. J. Arokiaraj	EEE	06
EE8702	Power System operation and Control	PCC	3	Mrs. A. Prabha	EEE	06
EE8703	Renewable Energy systems	PCC	3	Dr. A. Albert Martin Ruban	EEE	06
OBT751	Analytical Methods and Instrumentation	OE	3	Mr. R. Sundaramoorthi	EEE	06
EE8010	Power Systems Transients	PEC	3	Dr. G. Suganya	EEE	06
EE8711	Power System Simulation Laboratory	PCC	2	Mrs. A. Prabha	EEE	04
EE8712	Renewable Energy system Laboratory	PCC	2	Mr. J. Arokiaraj	EEE	04

CLASS CO-ORDINATOR	NAME OF THE REPRESENTATIVES	ROLL NO
Mr. J. Arokiaraj	1. R. Vijayaraghavan 2. P. Sneha	30 26
CLASS COMMITTEE CHAIR PERSON	Mr. S. R. Karthikeyan	

VALUE ADDITION INITIATIVES (VAI) - REGULAR HOURS					
LIB/NET	Library / Internet	VAI	Mr. J. Arokiaraj	EEE	01
NPTTEL	NPTTEL Swayam Courses	VAI	Mr. J. Arokiaraj	EEE	02
SS	Sports	VAI	Mr. J. Arokiaraj	EEE	02
T&P (A)	Training & Placement - Aptitude	VAI	Ms. P. Suganya	T&P	01
T&P(SS)	Training & Placement - Softskill	VAI	Dr. K. Sudhakar	T&P	01
Project	Project Phase - I	VAI	Mr. R. Sundaramoorthi	EEE	02
CC	Certificate Course	VAI	Mr. J. Arokiaraj	EEE	01

S. J. Nataraj
DEPT. TTC 25/7/23

A. Almm
HOD 25/7/23

S. M. M.
25/7/2023
PRINCIPAL

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ACADEMIC YEAR 2023-24 (ODD SEMESTER)

Swayam Course on “Advance Power Electronics and Control” – Report

BENEFICIARIES: IV & III & II YEARS

COURSE OUTCOME

- Understand and analyze advanced circuits like multilevel inverters, resonant converters, and matrix converters.
- Apply modern control techniques to regulate power electronic systems for stability and performance.
- Design power electronics solutions for integrating renewable energy sources into power grids.
- Build and troubleshoot power electronics hardware for practical applications like motor drives and electric vehicles.

YEAR/SEM: II/III

BATCH: 2022-26

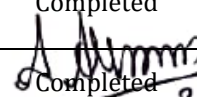
Class Strength: 60

S. No.	Register No.	Student Name	Swayam Course	Status	Course Completed
1.	821122105001	ABINAYA M	Registered	Assignment Completed	Completed
2.	821122105002	ABINAYA S	Registered	Assignment Completed	Completed
3.	821122105003	ABIRAMI M	Registered	Assignment Completed	Completed
4.	821122105005	ARCHANA S	Registered	Assignment Completed	Completed
5.	821122105006	BABY N	Registered	Assignment Completed	Completed
6.	821122105007	BALAJI J	Registered	Assignment Completed	Completed
7.	821122105008	CHARUMATHI M	Registered	Assignment Completed	Completed
8.	821122105009	DEEPIKA R	Registered	Assignment Completed	Completed
9.	821122105010	DEVATHARSHAN T	Registered	Assignment Completed	Completed
10.	821122105012	DHANALAKSHMI P	Registered	Assignment Completed	Completed
11.	821122105013	DHARSHINI G	Registered	Assignment Completed	Completed
12.	821122105014	DHIVAKAR S	Registered	Assignment Completed	Completed
13.	821122105015	DURGA R	Registered	Assignment Completed	Completed
14.	821122105016	DURGA DEVI T	Registered	Assignment Completed	Completed
15.	821122105017	GURU PRASATH N	Registered	Assignment Completed	Completed
16.	821122105018	HARIHARAN V	Registered	Assignment Completed	Completed
17.	821122105019	HARINI U	Registered	Assignment Completed	Completed

[Handwritten Signature]
30/01/24

ALBERT MARTIN RUIRAN, ME., Ph.D.
 Head of the Department
 Department of Electrical and Electronics Engineering
 Kings College of Engineering
 Panakkulam
 Pudukkottai - 613303

18.	821122105020	HARISH D	Registered	Assignment Completed	Completed
19.	821122105021	JESTINA SHINY V	Registered	Assignment Completed	Completed
20.	821122105022	KAILASH A	Registered	Assignment Completed	Completed
21.	821122105023	KALAIYARASAN P	Registered	Assignment Completed	Completed
22.	821122105024	KATHIRAVAN M	Registered	Assignment Completed	Completed
23.	821122105025	KEERTHIKA G	Registered	Assignment Completed	Completed
24.	821122105027	MANISHKUMAR S	Registered	Assignment Completed	Completed
25.	821122105028	MANO B	Registered	Assignment Completed	Completed
26.	821122105029	MELVIN EALIJA S	Registered	Assignment Completed	Completed
27.	821122105030	MUTHU MURUGESAN S	Registered	Assignment Completed	Completed
28.	821122105031	NACHIYAMMAL C	Registered	Assignment Completed	Completed
29.	821122105032	NANDHAKUMAR D	Registered	Assignment Completed	Completed
30.	821122105033	NANDHINI S	Registered	Assignment Completed	Completed
31.	821122105034	NEELAVATHI G	Registered	Assignment Completed	Completed
32.	821122105036	NITHYA SRI R	Registered	Assignment Completed	Completed
33.	821122105037	PONNAGARASAN M G	Registered	Assignment Completed	Completed
34.	821122105039	PRAGADESHWARAN R	Registered	Assignment Completed	Completed
35.	821122105040	PRIYADHARSHINI L	Registered	Assignment Completed	Completed
36.	821122105041	PRIYANIRANJANI P	Registered	Assignment Completed	Completed
37.	821122105042	RAGAVAN M	Registered	Assignment Completed	Completed
38.	821122105043	RAJAGOWRI S	Registered	Assignment Completed	Completed
39.	821122105044	RUBASRI R	Registered	Assignment Completed	Completed
40.	821122105045	SAMUEL G	Registered	Assignment Completed	Completed
41.	821122105046	SATHIYA S	Registered	Assignment Completed	Completed
42.	821122105047	SHAHATHIYA R	Registered	Assignment Completed	Completed
43.	821122105048	SHANMUGAPRIYA L	Registered	Assignment Completed	Completed
44.	821122105049	SHANMUGAPRIYA S	Registered	Assignment Completed	Completed
45.	821122105050	SIVASANGARI G	Registered	Assignment Completed	Completed
46.	821122105051	SRI HARI SRIDHAR L	Registered	Assignment Completed	Completed
47.	821122105052	SUBHASHINI M	Registered	Assignment Completed	Completed


 A. ALBERT MURUGESAN, M.E., PH.D.,
 Head of the Department
 Department of Electronics Engineering
 Kings College of Engineering
 Pudukkottai-613303

20/01/24

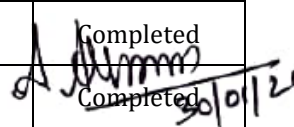
48.	821122105053	SURIYA N	Registered	Assignment Completed	Completed
49.	821122105054	THARSHA A.S	Registered	Assignment Completed	Completed
50.	821122105055	THENMOZHI T	Registered	Assignment Completed	Completed
51.	821122105056	UMA S	Registered	Assignment Completed	Completed
52.	821122105057	VAISHNAVI C	Registered	Assignment Completed	Completed
53.	821122105058	VASANTHAKUMAR R	Registered	Assignment Completed	Completed
54.	821122105059	VENKADESHWARAN G	Registered	Assignment Completed	Completed
55.	821122105060	VETRI D	Registered	Assignment Completed	Completed
56.	821122105301	ABINESH S	Registered	Assignment Completed	Completed
57.	821122105302	HARIHARAN B	Registered	Assignment Completed	Completed
58.	821122105303	KARTHI P	Registered	Assignment Completed	Completed
59.	821122105304	KISHORE KUMAR S	Registered	Assignment Completed	Completed
60.	821122105305	RITHISH M	Registered	Assignment Completed	Completed

YEAR SEM: III/ V

BATCH: 2021-25

Class Strength: 31

S. No.	Register No.	Student Name	Swayam Course	Status	Course Completed
1.	821121105001	ABIBHARATHI A	Registered	Assignment Completed	Completed
2.	821121105002	AKASH P	Registered	Assignment Completed	Completed
3.	821121105003	ARAVINDHAN R	Registered	Assignment Completed	Completed
4.	821121105004	DHESINGH J	Registered	Assignment Completed	Completed
5.	821121105005	GAYATHRI K C	Registered	Assignment Completed	Completed
6.	821121105006	GOKUL M	Registered	Assignment Completed	Completed
7.	821121105007	GOPINATH S	Registered	Assignment Completed	Completed
8.	821121105008	HARISHMA R	Registered	Assignment Completed	Completed
9.	821121105009	JEGADEESAN R	Registered	Assignment Completed	Completed
10.	821121105010	KARTHIKEYAN S	Registered	Assignment Completed	Completed
11.	821121105011	MEENA P	Registered	Assignment Completed	Completed
12.	821121105012	MILTON INFANT RAI P	Registered	Assignment Completed	Completed
13.	821121105013	PRAVEEN V C	Registered	Assignment Completed	Completed
14.	821121105014	RUTHRAN K	Registered	Assignment Completed	Completed


ALBERT MARTIN RUBAN ME., Ph.D.,
 Head of the Department
 Department of Electrical and Electronics Engineering
Kings College of Engineering
 Pudukkottai-613303

15.	821121105015	SARAVANAKUMAR M	Registered	Assignment Completed	Completed
16.	821121105016	SHANMUGAESWARAN S	Registered	Assignment Completed	Completed
17.	821121105017	SIVANANTHAM S	Registered	Assignment Completed	Completed
18.	821121105018	SIVANESAN C	Registered	Assignment Completed	Completed
19.	821121105019	SUJITHA S	Registered	Assignment Completed	Completed
20.	821121105020	SURIYA G	Registered	Assignment Completed	Completed
21.	821121105021	THAVATHEESH S	Registered	Assignment Completed	Completed
22.	821121105022	THUSARI S	Registered	Assignment Completed	Completed
23.	821121105023	VAISHNAVI V	Registered	Assignment Completed	Completed
24.	821121105024	VIDHYA M	Registered	Assignment Completed	Completed
25.	821121105025	VIJAY V	Registered	Assignment Completed	Completed
26.	821121105027	YOGESH C	Registered	Assignment Completed	Completed
27.	821121105028	YUVARAJ A	Registered	Assignment Completed	Completed
28.	821121105302	PANDIYARAJAN R	Registered	Assignment Completed	Completed
29.	821121105303	PARTHASARATHI B	Registered	Assignment Completed	Completed
30.	821121105305	UDHAYAM.S	Registered	Assignment Completed	Completed
31.	821121105306	VEERASELVAN. V	Registered	Assignment Completed	Completed

YEAR SEM: IV/VII

BATCH: 2020-24

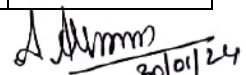
Class Strength: 38

S. No.	Register No.	Student Name	Swayam Course	Status	Course Completed
1.	821120105001	ABINAYASREE J	Registered	Assignment Completed	Completed
2.	821120105002	ABISHEK S	Registered	Assignment Completed	Completed
3.	821120105003	AKASH M	Registered	Assignment Completed	Completed
4.	821120105004	AKILAN D	Registered	Assignment Completed	Completed
5.	821120105005	ARAVINDH A	Registered	Assignment Completed	Completed
6.	821120105006	DHANASREE R	Registered	Assignment Completed	Completed
7.	821120105007	ELANANGAI G	Registered	Assignment Completed	Completed
8.	821120105008	GUSHENRA PRASATH P	Registered	Assignment Completed	Completed
9.	821120105010	JENISH A	Registered	Assignment Completed	Completed
10.	821120105011	KANIMOZHI R	Registered	Assignment Completed	Completed
11.	821120105012	MANOJ M	Registered	Assignment Completed	Completed

[Handwritten signature]
28/01/24

BERT M. ... M.E., Ph.D.,
Head of the Department
Department of Electronics Engineering
Punalkulam
Pudukkottai-613303

12.	821120105013	MANOJ R	Registered	Assignment Completed	Completed
13.	821120105014	MUKESH K	Registered	Assignment Completed	Completed
14.	821120105015	MUKESH M	Registered	Assignment Completed	Completed
15.	821120105016	MUKESH V	Registered	Assignment Completed	Completed
16.	821120105017	PRABATH C L	Registered	Assignment Completed	Completed
17.	821120105018	PRIYADHARSHINI P	Registered	Assignment Completed	Completed
18.	821120105019	PRIYADHARSHINI S	Registered	Assignment Completed	Completed
19.	821120105022	ROHITH R	Registered	Assignment Completed	Completed
20.	821120105023	SALMAN HUSSAIN Z	Registered	Assignment Completed	Completed
21.	821120105024	SATHISH S	Registered	Assignment Completed	Completed
22.	821120105025	SEMILI K	Registered	Assignment Completed	Completed
23.	821120105026	SIVARANJANI D	Registered	Assignment Completed	Completed
24.	821120105027	SNEHA P	Registered	Assignment Completed	Completed
25.	821120105028	SOWMIYA K	Registered	Assignment Completed	Completed
26.	821120105029	SOWMIYA L	Registered	Assignment Completed	Completed
27.	821120105030	SUDHARSAN S	Registered	Assignment Completed	Completed
28.	821120105031	VIJAYARAGAVAN R	Registered	Assignment Completed	Completed
29.	821120105032	VIJI J	Registered	Assignment Completed	Completed
30.	821120105033	VIKASH M	Registered	Assignment Completed	Completed
31.	821120105035	VISALAN M	Registered	Assignment Completed	Completed
32.	821120105036	VISHWA D	Registered	Assignment Completed	Completed
33.	821120105037	YOGARAJ P	Registered	Assignment Completed	Completed
34.	821120105302	KABILAN A	Registered	Assignment Completed	Completed
35.	821120105303	MANI BHARATHI S	Registered	Assignment Completed	Completed
36.	821120105304	PRAVEEN KUMAR C	Registered	Assignment Completed	Completed
37.	821120105306	SIVAMURUGAN.G	Registered	Assignment Completed	Completed
38.	821120105307	VELMURUGAN K	Registered	Assignment Completed	Completed


HOD/EEE
 Dr. A. ALBERT MARTIN RUBAN, M.E., Ph.D.,
 Head of the Department
 Department of Electrical and Electronics Engineering
 Anna University
 Punalakulam
 Pudukkottai-613303

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

SYLLABUS

Advance Power Electronics and Control

← ↻ https://onlinecourses.nptel.ac.in/noc23_ee127/course
🔍 🗖 ⚙ ⚙ ⋮




vasantharaj118@gmail.com

NPTEL » Advance Power Electronics And Control

Announcements
About the Course
Q&A
Progress
Mentor
Review Assignment
Course Recommendations 🌟

If already registered, click to check your payment status

Course outline

How does an NPTEL online course work?

Week 0

Week 1

Week 2

Week 3

Week 4

Week 5

Week 6

Week 7

Advance Power Electronics And Control

ABOUT THE COURSE :

This course is suitable for UG (B.Tech) and M.tech studying in advance Power Electronics. This course describes modern topics of Power Electronics in terms of switches, topologies and control. More over the proposed course explains application of Power Electronics in drives, Power Systems and Renewable Energy and other utility. This application of the Power Electronics including all these fields have been discussed in detail with advanced switching topology and modern control techniques. Students of B.tech and M.tech and participants of industry will find this course beneficial not only for GATE and other competitive exam this proposed course will also help them to upgrade for the fast changing Power Electronics industry.

INTENDED AUDIENCE : B.tech and M.tech and participants from the industry.

INDUSTRY SUPPORT : ABB, GE, STATCON ENERGIAA, BHEL



Advance power electroni...
Advance power electronics & Control
Prof. Avik Bhattacharya
Department of Electrical Engineering
Indian Institute of Technology Roorkee

Prof. Avik Bhattacharya

IIT Roorkee

Dr Avik Bhattacharya is working as Assistant Professor in IIT Roorkee since February 2014. Before joining IIT Roorkee he was research and development team of Danfoss Solar inverter and ABB. He has over a decade of experience in power quality issues and published four IEEE transactions on it. He is also teaching this course in IIT Roorkee for years for UG and PG (B.Tech fourth year and M.Tech). His teaching blends industry, research and academic interest.

COURSE TYPE

Elective

COURSE LEVEL

Undergraduate/Postgraduate

A Albert Martin
30/01/24

Dr.A.ALBERT MARTIN RUBAN,ME.,Ph.D.,
Head of the Department
Department of Electrical and Electronics Engineering
Kings College of Engineering
Punalkulam
Pudukkottai-613303

COURSE LAYOUT

Week 1 : Basic Concept of Switches and Device Physics

Week 2 : Device Physics, Application and Analysis of Switches and Single Phase Converter

Week 3 : Single Phase Converter, Three Phase Converter, Multipulse Converter and Effect of Source Inductance and PWM Rectifiers

Week 4 : PWM Rectifiers and Power Factor Improvement Techniques and non- isolated DC- DC converters

Week 5 : Non- isolated and isolated DC- DC Converters and Choppers

Week 6 : Isolated DC- DC Converters IV and VSI & CSI, MLI and ZSI

Week 7 : SVM, AC to AC Converters, Cycloconverter and Matrix Converter

Week 8 : Linear Control in Power Electronics, Nonlinear Control in Power Electronics, Applications and Conclusions.

BOOKS AND REFERENCES

Bin Wu, "High-Power Converters and AC Drives ", IEEE press, A John Wiley & Sons, Inc., Publication. Muhammad H. Rashid, "Power Electronics Handbook", 3rd Edition, Elsevier. Ned Mohan, "Power Electronics and Drives", Mnpere, 2003. G. K. Dubey, S. R. Doradla, A. Joshi & R. M. K. Sinha, Thyristorised Power Controllers, 2nd Edition, New Age International Publishers. L. Umanand, "Power Electronics: Essentials & Applications", Wiley.

CERTIFICATE

The course is free to enroll and learn from. But if you want a certificate, you have to register and write the proctored exam conducted by us in person at any of the designated exam centres.

The exam is optional for a fee of Rs 1000/- (Rupees one thousand only).

Date and Time of Exams: **24 September 2023** Morning session 9am to 12 noon; Afternoon Session 2pm to 5pm.

Registration url: Announcements will be made when the registration form is open for registrations.

The online registration form has to be filled and the certification exam fee needs to be paid. More details will be made available when the exam registration form is published. If there are any changes, it will be mentioned then.

Please check the form for more details on the cities where the exams will be held, the conditions you agree to when you fill the form etc.

CRITERIA TO GET A CERTIFICATE

Average assignment score = 25% of average of best 6 assignments out of the total 8 assignments given in the course.

Exam score = 75% of the proctored certification exam score out of 100

Final score = Average assignment score + Exam score

YOU WILL BE ELIGIBLE FOR A CERTIFICATE ONLY IF AVERAGE ASSIGNMENT SCORE $\geq 10/25$ AND EXAM SCORE $\geq 30/75$. If one of the 2 criteria is not met, you will not get the certificate even if the Final score $\geq 40/100$.


30/01/24

HOD/EEE

Dr.A.ALBERT MARTIN RUBAN,ME.,Ph.D.,
Head of the Department
Department of Electrical and Electronics Engineering
Kings College of Engineering
Punalkulam
Pudukkottai-613303



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ACADEMIC YEAR 2023 - 2024 (ODD SEMESTER)
ASSIGNMENT SAMPLES
Name of the Course: Advance Power Electronics and Control

Advance Power Electronics And Control - Course Progress

Unit wise Progress

Week	Assignment	Score
Week 1	Assignment 1	90.0
Week 2	Assignment 2	70.0
Week 3	Assignment 3	30.0
Week 4	Assignment 4	70.0
Week 5	Assignment 5	30.0
Week 6	Assignment 6	100.0
Week 7	Assignment 7	90.0
Week 8	Assignment 8	80.0

Announcement:
You are currently receiving course related emails. [Click here to unsubscribe.](#)

Discussion forum:
If you want to use header from forum Click here.

8:30 0.40 KB/s 49% 64%

Advance Power Electronics And Control - Course Prog...

Email snehapalaniyappan@gmail.com
Name P.sneha

Unit wise Progress

Assessment scores

Week 1 : Assignment 1:	90.0
Week 2 : Assignment 2:	70.0
Week 3 : Assignment 3:	30.0
Week 4 : Assignment 4:	30.0
Week 5 : Assignment 5:	20.0
Week 6 : Assignment 6:	100.0
Week 7 : Assignment 7:	70.0
Week 8 : Assignment 8:	80.0

Email mabinaya550@gmail.com
Name Abinaya. M

Assessment scores

Week 1 : Assignment 1:	90.0
Week 2 : Assignment 2:	70.0
Week 3 : Assignment 3:	30.0
Week 4 : Assignment 4:	30.0
Week 5 : Assignment 5:	30.0
Week 6 : Assignment 6:	100.0
Week 7 : Assignment 7:	90.0
Week 8 : Assignment 8:	90.0

Announcement:
You are currently receiving course related emails.
[Click here to unsubscribe.](#)

A. Albert Martin
 30/01/24

Dr.A.ALBERT MARTIN RUBAN,ME.,Ph.D.,
 Head of the Department
 Department of Electrical and Electronics Engineering
 Kings College of Engineering

Pudukkottai-613303



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ACADEMIC YEAR 2023-24 (ODD SEMESTER)
EVALUATION SHEET

Year/Sem: IV/VII

Batch: 2020-2024

Name of the course: Swayam course on "Advance Power Electronics and Control"

Roll No	Register No	Name of the Student	Assignment Score			
			1	2	3	4
1.	821120105001	ABINAYASREE J	85	81	76	75
2.	821120105002	ABISHEK S	81	81	91	81
3.	821120105003	AKASH M	82	75	84	80
4.	821120105004	AKILAN D	83	85	89	74
5.	821120105005	ARAVINDH A	84	84	87	79
6.	821120105006	DHANASREE R	87	81	92	75
7.	821120105007	ELANANGAI G	82	79	90	75
8.	821120105008	GUSHENRA PRASATH P	86	72	75	90
9.	821120105010	JENISH A	84	84	89	77
10.	821120105011	KANIMOZHI R	78	84	77	85
11.	821120105012	MANOJ M	92	79	80	74
12.	821120105013	MANOJ R	94	80	88	79
13.	821120105014	MUKESH K	78	78	90	73
14.	821120105015	MUKESH M	81	75	90	84
15.	821120105016	MUKESH V	83	90	93	75
16.	821120105017	PRABATH C L	82	75	89	72
17.	821120105018	PRIYADHARSHINI P	86	90	75	84
18.	821120105019	PRIYADHARSHINI S	82	75	90	80
19.	821120105022	ROHITH R	84	89	77	75
20.	821120105023	SALMAN HUSSAIN Z	81	77	85	71

Roll No	Register No	Name of the Student	Assignment Score			
			1	2	3	4
21.	821120105024	SATHISH S	80	74	74	89
22.	821120105025	SEMILI K	76	90	85	87
23.	821120105026	SIVARANJANI D	84	79	91	84
24.	821120105027	SNEHA P	90	70	30	30
25.	821120105028	SOWMIYA K	94	77	85	88
26.	821120105029	SOWMIYA L	76	81	84	74
27.	821120105030	SUDHARSAN S	84	76	84	92
28.	821120105031	VIJAYARAGAVAN R	85	85	78	80
29.	821120105032	VIJI J	82	79	75	78
30.	821120105033	VIKASH M	87	84	75	88
31.	821120105035	VISALAN M	86	87	82	75
32.	821120105036	VISHWA D	82	77	84	90
33.	821120105037	YOGARAJ P	85	77	92	77
34.	821120105302	KABILAN A	84	76	85	85
35.	821120105303	MANI BHARATHI S	86	82	78	91
36.	821120105304	PRAVEEN KUMAR C	75	74	75	92
37.	821120105306	SIVAMURUGAN.G	84	73	84	78
38.	821120105307	VELMURUGAN K	76	81	74	71

A. Albert Martin
30/01/24

HOD / EEE

Dr.A.ALBERT MARTIN RUBAN,ME.,Ph.D.,
Head of the Department
Department of Electrical and Electronics Engineering
Kings College of Engineering
Punalkulam
Pudukkottai-613303



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ACADEMIC YEAR 2023-24 (ODD SEMESTER)
EVALUATION SHEET

Year/Sem: III/V

Batch: 2021-2025

Name of the course: Swayam course on “Advance Power Electronics and Control”

Roll No	Register No	Name of the Student	Assignment Score			
			1	2	3	4
1.	821121105001	ABIBHARATHI A	90	70	30	70
2.	821121105002	AKASH P	87	85	92	80
3.	821121105003	ARAVINDHAN R	86	84	75	81
4.	821121105004	DHESINGH J	82	86	75	79
5.	821121105005	GAYATHRI K C	85	76	90	91
6.	821121105006	GOKUL M	84	78	77	82
7.	821121105007	GOPINATH S	86	90	85	87
8.	821121105008	HARISHMA R	75	79	91	77
9.	821121105009	JEGADEESAN R	76	92	92	77
10.	821121105010	KARTHIKEYAN S	84	79	76	76
11.	821121105011	MEENA P	85	75	87	82
12.	821121105012	MILTON INFANT RAI P	82	88	81	76
13.	821121105013	PRAVEEN V C	87	89	81	91
14.	821121105014	RUTHRAN K	82	92	75	84
15.	821121105015	SARAVANAKUMAR M	86	91	85	89
16.	821121105016	SHANMUGAESWARAN S	82	92	84	87
17.	821121105017	SIVANANTHAM S	84	91	83	84
18.	821121105018	SIVANESAN C	81	92	86	89
19.	821121105019	SUJITHA S	84	81	87	88
20.	821121105020	SURIYA G	76	92	79	74

Roll No	Register No	Name of the Student	Assignment Score			
			1	2	3	4
21.	821121105021	THAVATHEESH S	87	81	90	83
22.	821121105022	THUSARI S	82	77	84	89
23.	821121105023	VAISHNAVI V	86	89	79	92
24.	821121105024	VIDHYA M	84	91	85	90
25.	821121105025	VIJAY V	78	77	81	82
26.	821121105027	YOGESH C	92	76	84	84
27.	821121105028	YUVARAJ A	91	77	76	92
28.	821121105302	PANDIYARAJAN R	94	85	85	85
29.	821121105303	PARTHASARATHY B	76	83	79	78
30.	821121105305	UDHAYAM.S	84	86	84	75
31.	821121105306	VEERASELVAN.V	78	86	85	84

A. Albert Martin
30/01/24

HOD / EEE

Dr.A.ALBERT MARTIN RUBAN,ME.,Ph.D.,
Head of the Department
Department of Electrical and Electronics Engineering
Kings College of Engineering
Punalkulam
Pudukkottai-613303



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ACADEMIC YEAR 2023-24 (ODD SEMESTER)
EVALUATION SHEET

Year/Sem: II/III

Batch: 2022-2026

Name of the course: Swayam course on “Advance Power Electronics and Control”

Roll No	Register No	Name of the Student	Assignment Score			
			1	2	3	4
1.	821122105001	ABINAYA M	90	70	30	30
2.	821122105002	ABINAYA S	81	79	79	85
3.	821122105003	ABIRAMI M	81	77	85	93
4.	821122105005	ARCHANA S	77	83	90	86
5.	821122105006	BABY N	89	85	76	91
6.	821122105007	BALAJI J	91	81	83	76
7.	821122105008	CHARUMATHI M	77	84	87	83
8.	821122105009	DEEPIKA R	76	76	84	92
9.	821122105010	DEVATHARSHAN T	77	85	78	80
10.	821122105012	DHANALAKSHMI P	85	79	75	78
11.	821122105013	DHARSHINI G	83	84	75	88
12.	821122105014	DHIVAKAR S	90	84	91	82
13.	821122105015	DURGA R	77	81	87	82
14.	821122105016	DURGA DEVI T	82	89	84	87
15.	821122105017	GURU PRASATH N	86	89	92	89
16.	821122105018	HARIHARAN V	90	87	89	91
17.	821122105019	HARINI U	93	76	82	76
18.	821122105020	HARISH D	90	81	88	85
19.	821122105021	JESTINA SHINY V	86	92	80	86
20.	821122105022	KAILASH A	86	85	93	80

Roll No	Register No	Name of the Student	Assignment Score			
			1	2	3	4
21.	821122105023	KALAIYARASAN P	86	92	77	88
22.	821122105024	KATHIRAVAN M	81	86	80	91
23.	821122105025	KEERTHIKA G	81	81	88	92
24.	821122105027	MANISHKUMAR S	77	85	78	76
25.	821122105028	MANO B	89	90	91	87
26.	821122105029	MELVIN EALIJAH S	91	83	90	81
27.	821122105030	MUTHU MURUGESAN S	77	82	87	81
28.	821122105031	NACHIYAMMAL C	76	90	88	83
29.	821122105032	NANDHAKUMAR D	77	88	92	89
30.	821122105033	NANDHINI S	85	92	75	76
31.	821122105034	NEELAVATHI G	80	90	75	89
32.	821122105036	NITHYA SRI R	90	75	90	87
33.	821122105037	PONNAGARASAN M G	92	89	77	88
34.	821122105039	PRAGADESHWARAN R	79	77	85	79
35.	821122105040	PRIYADHARSHINI L	75	76	89	90
36.	821122105041	PRIYANIRANJANI P	88	77	83	76
37.	821122105042	RAGAVAN M	89	77	83	83
38.	821122105043	RAJAGOWRI S	92	82	85	85
39.	821122105044	RUBASRI R	91	80	86	84
40.	821122105045	SAMUEL G	92	81	82	79
41.	821122105046	SATHIYA S	81	79	90	85
42.	821122105047	SHAHATHIYA R	92	91	85	75
43.	821122105048	SHANMUGAPRIYA L	86	82	87	92
44.	821122105049	SHANMUGAPRIYA S	77	87	79	93
45.	821122105050	SIVASANGARI G	85	80	85	77
46.	821122105051	SRI HARI SRIDHAR L	92	84	80	81
47.	821122105052	SUBHASHINI M	84	81	88	87
48.	821122105053	SURIYA N	78	86	90	79
49.	821122105054	THARSHA A.S	92	84	80	75

Roll No	Register No	Name of the Student	Assignment Score			
			1	2	3	4
50.	821122105055	THENMOZHI T	92	93	85	84
51.	821122105056	UMA S	83	77	93	89
52.	821122105057	VAISHNAVI C	89	77	80	82
53.	821122105058	VASANTHAKUMAR R	92	77	88	79
54.	821122105059	VENKADESHWARAN G	90	76	90	79
55.	821122105060	VETRI D	82	82	90	82
56.	821122105301	ABINESH S	84	76	93	87
57.	821122105302	HARIHARAN B	92	91	89	91
58.	821122105303	KARTHI P	85	84	88	78
59.	821122105304	KISHORE KUMAR S	88	89	77	87
60.	821122105305	RITHISH M	87	87	83	84

A. Albert Martin Ruban
30/01/24

HOD / EEE

Dr.A.ALBERT MARTIN RUBAN,ME.,Ph.D.,
Head of the Department
Department of Electrical and Electronics Engineering
Kings College of Engineering
Punalkulam
Pudukkottai-613303



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

TIME TABLE (February 2024 - MAY 2024, EVEN SEM)

B.E - EEE (Reg. 2021) - With Effect from 13.03.2024 - Tentative Last working Day 13.06.2024

Batch:2022 - 2026

Strength:60

Year: II

Semester: IV

Class Room: 132

Block: I

Session	1	2	10.45 am - 11.00 am	3	4	12.30 pm - 01.10 pm	5	6	02.40 pm - 02.50 pm	7	8	
Day	09.15am - 10.00am	10.00am - 10.45am		11.00am - 11.45am	11.45am - 12.30pm		01.10pm - 01.55pm	01.55pm - 02.40pm		02.50pm - 03.35pm	03.35pm - 04.20pm	
MON	EE3402	EE3403	BREAK	EE3404	T&P(SS)	LUNCH BREAK	EE3402	EE3401	BREAK	EE3404	EE3405	
TUE	EE3405	EE3404		T&P (A)	EE3401		GE3451	EE3412 (B1) /		EE3411 (B2)		
WED	EE3403	EE3413 (B1) /		EE3412 (B2)			EE3403	GE3451		EE3404	EE3402	
THU	EE3402	EE3401		GE3451	EE3404		EE3401	CC		NPTEL	LIB/NET	
FRI	EE3405	EE3411 (B1) /		EE3413 (B2)			EE3405	EE3403		EE3402	EE3401	
SAT	EE3401	GE3451		EE3403	EE3405		EE3404	EE3402		EE3405	NPTEL	

SUB CODE	NAME OF THE SUBJECT	CATEGORY	CREDITS	NAME OF THE STAFF	DEPT	PERIODS/WEEK
TUTORIAL (T), PROFESSIONAL ELECTIVE (E)						
GE3451	Environmental Sciences and Sustainability	BSC	2	Dr. S. Udhayakumar	CHE	4
EE3401	Transmission and Distribution	PCC	3	Dr. S. Naveen Prakash	EEE	6
EE3402	Linear Integrated Circuits	PCC	3	Mr. R. Sathiyaraj	ECE	6
EE3403	Measurements and Instrumentation	PCC	3	Mrs. P. Thirumagal	EEE	5
EE3404	Microprocessor and Microcontroller	PCC	3	Dr. P. Narasimman	EEE	6
EE3405	Electrical Machines- II	PCC	3	Dr. S. Vasantharaj	EEE	6
PRACTICAL (P)						
EE3411	Electrical Machines Laboratory - II	PCC	1.5	Dr. S. Naveen Prakash	EEE	3
EE3412	Linear and Digital Circuits Laboratory	PCC	1.5	Mr. R. Sathiyaraj	ECE	3
EE3413	Microprocessor and Microcontroller Laboratory	PCC	1.5	Dr. P. Narasimman	EEE	3

VALUE ADDITION INITIATIVES (VAI)					
LIB/NET	Library / Internet	VAI	Dr. S. Vasantharaj	EEE	1
NPTEL	NPTEL Swayam Courses	VAI	Dr. S. Vasantharaj	EEE	2
T&P (A)	Training & Placement - Aptitude	VAI	Ms. P. Suganya	T&P	1
T&P(SS)	Training & Placement - Soft skill	VAI	Dr. K. Sudhakar	T&P	1
CC	Certificate Course	VAI	Dr. S. Vasantharaj	EEE	1

CLASS CO-ORDINATOR	NAME OF THE REPRESENTATIVES	ROLL NO
Dr. S. Vasantharaj	1. Venkadeshwaran. G 2. Sivasangari. G	54 45
CLASS COMMITTEE CHAIR PERSON	Mr. R. Sundaramoorthi	

S. Nataraj
15/02
DEPT. TTC

S. Nataraj
15/2/24
HOD

S. Nataraj
15/2/2024
PRINCIPAL

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING****TIME TABLE (February 2024 - MAY 2024, EVEN SEM)****B.E - EEE (Reg. 2021) - With Effect from 01.02.2024 - Tentative Last working Day 03.05.2024****Batch:2021 - 2025****Year: III****Semester: VI****Class Room: 133****Strength:31****Block: I**

Session	1	2	10.45 am - 11.00 am	3	4	12.30 pm - 01.10 pm	5	6	02.40 pm - 02.50 pm	7	8	
Day	09.15am - 10.00am	10.00am - 10.45am		11.00am - 11.45am	11.45am - 12.30pm		01.10pm - 01.55pm	01.55pm - 02.40pm		02.50pm - 03.35pm	03.35pm - 04.20pm	
MON	EE3011	EE3033	BREAK	EE3601	T&P (A)	LUNCH BREAK	EE3011	EE3602	BREAK	EE3007	EE3007	
TUE	EE3602	EE3601		EE3033	EE3602		EE3033	MX3089		EE3007	EE3011	
WED	EE3033	EE3602		T&P(SS)	LIB/NET		CC	EE3601		MX3089	EE3033	
THU	EE3602/ NM	EE3011/ NM		EE3007/ NM	EE3033/ NM		EE3601/ NM	EE3011/ NM		EE3601/ NM	NPTEL/ NM	
FRI	EE3601	MX3089		EE3602	EE3011		EE3611			EE3611 (B1 & B2)		
SAT	EE3007	EE3011		EE3007	CC		EE3601	EE3602		NPTEL	GATE / CE	

SUB CODE	NAME OF THE SUBJECT	CATEGORY	CREDITS	NAME OF THE STAFF	DEPT	PERIODS/WEEK
TUTORIAL (T), PROFESSIONAL ELECTIVE (E)						
EE3601	Protection and Switchgear	PC	3	Dr. S. Naveen Prakash	EEE	5
EE3602	Power System operation and Control	PC	3	Dr. A. Prabha	EEE	6
EE3033	Hybrid Energy Technology	PE	3	Mr. R. Sundaramoorthi	EEE	5
EE3011	Multilevel Power Converters	PE	3 (P)	Mr. S. R. Karthikeyan	EEE	5
EE3007	Smart Grid	PE	3	Dr. G. Suganya	EEE	5
MX3089	Industrial Safety	MC	0	Dr. B. Barankumar	MGT	3
PRACTICAL (P)						
EE3611	Power System Laboratory	PC	1.5	Dr. A. Prabha	EEE	4

VALUE ADDITION INITIATIVES (VAI) - REGULAR HOURS

GATE / CE	GATE / Competitive Exam	VAI	Dr. S. Vasantharaj Dr. G. Suganya	EEE	1
LIB/NET	Library / Internet	VAI	Mr. S. R. Karthikeyan	EEE	1
NPTEL	NPTEL Swayam Courses	VAI	Mr. S. R. Karthikeyan	EEE	1
T&P (A)	Training & Placement - Aptitude	VAI	Ms. P. Suganya	T&P	1
T&P(SS)	Training & Placement - Soft skill	VAI	Dr. B. Suresh Babu	T&P	1
CC	Certificate Course	VAI	Mr. S. R. Karthikeyan	EEE	2

CLASS CO-ORDINATOR	NAME OF THE REPRESENTATIVES	ROLL NO
Mr. S. R. Karthikeyan	1. K. Ruthran 2. S. Thusari	14 22
CLASS COMMITTEE CHAIR PERSON	Mr. J. Arokiaraj	

S. Naveen
DEPT. TTC 30/01

A. Prabha
30/01/24
HOD

J. Arokiaraj
30/01/2024
PRINCIPAL



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

TIME TABLE (February 2024 – MAY 2024, EVEN SEM)

B.E – EEE (Reg. 2017) - With Effect from 01.02.2024 - Tentative Last working Day 03.05.2024

Batch:2020 - 2024

Strength:41

Year: IV

Semester: VIII

Class Room: 134

Block: I

Session	1	2	10.45 am - 11.00 am	3	4	12.30 pm - 01.10 pm	5	6	02.40 pm - 02.50 pm	7	8
Day	09.15am - 10.00am	10.00am - 10.45am		11.00am - 11.45am	11.45am - 12.30pm		01.10pm - 01.55pm	01.55pm - 02.40pm		02.50pm - 03.35pm	03.35pm - 04.20pm
MON	EE8019	EE8019	BREAK	EE8015	EE8015	LUNCH BREAK	EE8811		BREAK	T&P (A)	
TUE	EE8015	EE8015		EE8019	EE8019		NPTEL			EE8811	
WED	EE8019	NPTEL		EE8015	NPTEL		EE8811			EE8811	
THU	EE8015	EE8015		EE8019	EE8019		EE8811			RWP	CC
FRI	EE8019	EE8015		RC	LIB/NET		EE8811			T&P (SS)	
SAT	EE8811			EE8811			EE8811			EE8811	

SUB CODE	NAME OF THE SUBJECT	CATEGORY	CREDITS	NAME OF THE STAFF	DEPT	PERIODS/WEEK
TUTORIAL (T), PROFESSIONAL ELECTIVE (PE)						
EE8015	Electric Energy Generation, Utilization and Conservation	PE	3	Dr.A.Albert Martin Ruban	EEE	8
EE8019	Smart Grid	PE	3	Mr. J. Arokiaraj	EEE	8
PRACTICAL (P)						
EE8811	Project Work	EEC	10	Mr. R. Sundaramoorthi	EEE	20

VALUE ADDITION INITIATIVES (VAI) - REGULAR HOURS					
LIB/NET	Library / Internet	VAI	Mr. J. Arokiaraj	EEE	1
NPTEL	NPTEL Swayam Courses	VAI	Mr. J. Arokiaraj	EEE	4
T&P (A)	Training & Placement - Aptitude	VAI	Ms. P. Suganya	T&P	2
T&P(SS)	Training & Placement – Soft skill	VAI	Dr. K. Sudhakar	T&P	2
CC	Certificate Course	VAI	Mr. J. Arokiaraj	BEE	1
RWP	Report Writing	VAI	Mr. R. Sundaramoorthi	EEE	1
RC	Refresher Course	VAI	Mr. J. Arokiaraj	EEE	1

CLASS CO-ORDINATOR	NAME OF THE REPRESENTATIVES	ROLL NO
Mr. J. Arokiaraj	1. R. Vijayaraghavan 2. R. Kanimozhi	30 10
CLASS COMMITTEE CHAIR PERSON	Mr. S. R. Karthikeyan	

S. R. Karthikeyan
DEPT. TTC 30/01

A. Arumugam
30/01/24
HOD

S. R. Karthikeyan
30/01/2024
PRINCIPAL

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ACADEMIC YEAR 2023-24 (EVEN SEMESTER)
Swayam Course on “Understanding Design” – Report

BENEFICIARIES: IV & III & II YEARS

COURSE OUTCOME

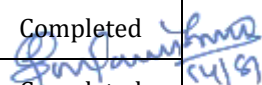
- Understand the fundamental principles of design, including balance, contrast, alignment, and hierarchy.
- Develop skills to approach and solve design challenges creatively.
- Learn to communicate ideas effectively through visual elements.
- Gain proficiency in essential design tools and techniques used in various design fields.

YEAR/SEM: II/IV

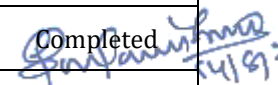
BATCH: 2022-26

Class Strength: 60

S. No.	Register No.	Student Name	Swayam Course	Status	Course Completed
1.	821122105001	ABINAYA M	Registered	Assignment Completed	Completed
2.	821122105002	ABINAYA S	Registered	Assignment Completed	Completed
3.	821122105003	ABIRAMI M	Registered	Assignment Completed	Completed
4.	821122105005	ARCHANA S	Registered	Assignment Completed	Completed
5.	821122105006	BABY N	Registered	Assignment Completed	Completed
6.	821122105007	BALAJI J	Registered	Assignment Completed	Completed
7.	821122105008	CHARUMATHI M	Registered	Assignment Completed	Completed
8.	821122105009	DEEPIKA R	Registered	Assignment Completed	Completed
9.	821122105010	DEVATHARSHAN T	Registered	Assignment Completed	Completed
10.	821122105012	DHANALAKSHMI P	Registered	Assignment Completed	Completed
11.	821122105013	DHARSHINI G	Registered	Assignment Completed	Completed
12.	821122105014	DHIVAKAR S	Registered	Assignment Completed	Completed
13.	821122105015	DURGA R	Registered	Assignment Completed	Completed
14.	821122105016	DURGA DEVI T	Registered	Assignment Completed	Completed
15.	821122105017	GURU PRASATH N	Registered	Assignment Completed	Completed
16.	821122105018	HARIHARAN V	Registered	Assignment Completed	Completed
17.	821122105019	HARINI U	Registered	Assignment Completed	Completed
18.	821122105020	HARISH D	Registered	Assignment Completed	Completed


 Mr. R. Sundaramoorthi
 HOD - EEE
 Kings College of Engineering
 Punalakulam - 613 303

19.	821122105021	JESTINA SHINY V	Registered	Assignment Completed	Completed
20.	821122105022	KAILASH A	Registered	Assignment Completed	Completed
21.	821122105023	KALAIYARASAN P	Registered	Assignment Completed	Completed
22.	821122105024	KATHIRAVAN M	Registered	Assignment Completed	Completed
23.	821122105025	KEERTHIKA G	Registered	Assignment Completed	Completed
24.	821122105027	MANISHKUMAR S	Registered	Assignment Completed	Completed
25.	821122105028	MANO B	Registered	Assignment Completed	Completed
26.	821122105029	MELVIN EALIJA S	Registered	Assignment Completed	Completed
27.	821122105030	MUTHU MURUGESAN S	Registered	Assignment Completed	Completed
28.	821122105031	NACHIYAMMAL C	Registered	Assignment Completed	Completed
29.	821122105032	NANDHAKUMAR D	Registered	Assignment Completed	Completed
30.	821122105033	NANDHINI S	Registered	Assignment Completed	Completed
31.	821122105034	NEELAVATHI G	Registered	Assignment Completed	Completed
32.	821122105036	NITHYA SRI R	Registered	Assignment Completed	Completed
33.	821122105037	PONNAGARASAN M G	Registered	Assignment Completed	Completed
34.	821122105039	PRAGADESHWARAN R	Registered	Assignment Completed	Completed
35.	821122105040	PRIYADHARSHINI L	Registered	Assignment Completed	Completed
36.	821122105041	PRIYANIRANJANI P	Registered	Assignment Completed	Completed
37.	821122105042	RAGAVAN M	Registered	Assignment Completed	Completed
38.	821122105043	RAJAGOWRI S	Registered	Assignment Completed	Completed
39.	821122105044	RUBASRI R	Registered	Assignment Completed	Completed
40.	821122105045	SAMUEL G	Registered	Assignment Completed	Completed
41.	821122105046	SATHIYA S	Registered	Assignment Completed	Completed
42.	821122105047	SHAHATHIYA R	Registered	Assignment Completed	Completed
43.	821122105048	SHANMUGAPRIYA L	Registered	Assignment Completed	Completed
44.	821122105049	SHANMUGAPRIYA S	Registered	Assignment Completed	Completed
45.	821122105050	SIVASANGARI G	Registered	Assignment Completed	Completed
46.	821122105051	SRI HARI SRIDHAR L	Registered	Assignment Completed	Completed
47.	821122105052	SUBHASHINI M	Registered	Assignment Completed	Completed
48.	821122105053	SURIYA N	Registered	Assignment Completed	Completed


 Mr. R. Sundaramoorthi
 HOD - EEE
 Kings College of Engineering
 Punalakulam - 613 303

49.	821122105054	THARSHA A.S	Registered	Assignment Completed	Completed
50.	821122105055	THENMOZHI T	Registered	Assignment Completed	Completed
51.	821122105056	UMA S	Registered	Assignment Completed	Completed
52.	821122105057	VAISHNAVI C	Registered	Assignment Completed	Completed
53.	821122105058	VASANTHAKUMAR R	Registered	Assignment Completed	Completed
54.	821122105059	VENKADESHWARAN G	Registered	Assignment Completed	Completed
55.	821122105060	VETRI D	Registered	Assignment Completed	Completed
56.	821122105301	ABINESH S	Registered	Assignment Completed	Completed
57.	821122105302	HARIHARAN B	Registered	Assignment Completed	Completed
58.	821122105303	KARTHI P	Registered	Assignment Completed	Completed
59.	821122105304	KISHORE KUMAR S	Registered	Assignment Completed	Completed
60.	821122105305	RITHISH M	Registered	Assignment Completed	Completed

YEAR SEM: III/ VI

BATCH: 2021-25

Class Strength: 31

S. No.	Register No.	Student Name	Swayam Course	Status	Course Completed
1.	821121105001	ABIBHARATHI A	Registered	Assignment Completed	Completed
2.	821121105002	AKASH P	Registered	Assignment Completed	Completed
3.	821121105003	ARAVINDHAN R	Registered	Assignment Completed	Completed
4.	821121105004	DHESINGH J	Registered	Assignment Completed	Completed
5.	821121105005	GAYATHRI K C	Registered	Assignment Completed	Completed
6.	821121105006	GOKUL M	Registered	Assignment Completed	Completed
7.	821121105007	GOPINATH S	Registered	Assignment Completed	Completed
8.	821121105008	HARISHMA R	Registered	Assignment Completed	Completed
9.	821121105009	JEGADEESAN R	Registered	Assignment Completed	Completed
10.	821121105010	KARTHIKEYAN S	Registered	Assignment Completed	Completed
11.	821121105011	MEENA P	Registered	Assignment Completed	Completed
12.	821121105012	MILTON INFANT RAI P	Registered	Assignment Completed	Completed
13.	821121105013	PRAVEEN V C	Registered	Assignment Completed	Completed
14.	821121105014	RUTHRAN K	Registered	Assignment Completed	Completed
15.	821121105015	SARAVANAKUMAR M	Registered	Assignment Completed	Completed

Mr. B. Sundaramoorthi
HOD - EEE
Kings College of Engineering
Chennai - 613 303

16.	821121105016	SHANMUGAESWARAN S	Registered	Assignment Completed	Completed
17.	821121105017	SIVANANTHAM S	Registered	Assignment Completed	Completed
18.	821121105018	SIVANESAN C	Registered	Assignment Completed	Completed
19.	821121105019	SUJITHA S	Registered	Assignment Completed	Completed
20.	821121105020	SURIYA G	Registered	Assignment Completed	Completed
21.	821121105021	THAVATHEESH S	Registered	Assignment Completed	Completed
22.	821121105022	THUSARI S	Registered	Assignment Completed	Completed
23.	821121105023	VAISHNAVI V	Registered	Assignment Completed	Completed
24.	821121105024	VIDHYA M	Registered	Assignment Completed	Completed
25.	821121105025	VIJAY V	Registered	Assignment Completed	Completed
26.	821121105027	YOGESH C	Registered	Assignment Completed	Completed
27.	821121105028	YUVARAJ A	Registered	Assignment Completed	Completed
28.	821121105302	PANDIYARAJAN R	Registered	Assignment Completed	Completed
29.	821121105303	PARTHASARATHI B	Registered	Assignment Completed	Completed
30.	821121105305	UDHAYAM.S	Registered	Assignment Completed	Completed
31.	821121105306	VEERASELVAN. V	Registered	Assignment Completed	Completed

YEAR SEM: IV/VIII

BATCH: 2020-24

Class Strength: 38

S. No.	Register No.	Student Name	Swayam Course	Status	Course Completed
1.	821120105001	ABINAYASREE J	Registered	Assignment Completed	Completed
2.	821120105002	ABISHEK S	Registered	Assignment Completed	Completed
3.	821120105003	AKASH M	Registered	Assignment Completed	Completed
4.	821120105004	AKILAN D	Registered	Assignment Completed	Completed
5.	821120105005	ARAVINDH A	Registered	Assignment Completed	Completed
6.	821120105006	DHANASREE R	Registered	Assignment Completed	Completed
7.	821120105007	ELANANGAI G	Registered	Assignment Completed	Completed
8.	821120105008	GUSHENRA PRASATH P	Registered	Assignment Completed	Completed
9.	821120105010	JENISH A	Registered	Assignment Completed	Completed
10.	821120105011	KANIMOZHI R	Registered	Assignment Completed	Completed
11.	821120105012	MANOJ M	Registered	Assignment Completed	Completed
12.	821120105013	MANOJ R	Registered	Assignment Completed	Completed

Mr. R. Sundaramoorthi
HOD - EEE
Kings College of Engineering
Punakulam - 613 301

13.	821120105014	MUKESH K	Registered	Assignment Completed	Completed
14.	821120105015	MUKESH M	Registered	Assignment Completed	Completed
15.	821120105016	MUKESH V	Registered	Assignment Completed	Completed
16.	821120105017	PRABATH C L	Registered	Assignment Completed	Completed
17.	821120105018	PRIYADHARSHINI P	Registered	Assignment Completed	Completed
18.	821120105019	PRIYADHARSHINI S	Registered	Assignment Completed	Completed
19.	821120105022	ROHITH R	Registered	Assignment Completed	Completed
20.	821120105023	SALMAN HUSSAIN Z	Registered	Assignment Completed	Completed
21.	821120105024	SATHISH S	Registered	Assignment Completed	Completed
22.	821120105025	SEMILI K	Registered	Assignment Completed	Completed
23.	821120105026	SIVARANJANI D	Registered	Assignment Completed	Completed
24.	821120105027	SNEHA P	Registered	Assignment Completed	Completed
25.	821120105028	SOWMIYA K	Registered	Assignment Completed	Completed
26.	821120105029	SOWMIYA L	Registered	Assignment Completed	Completed
27.	821120105030	SUDHARSAN S	Registered	Assignment Completed	Completed
28.	821120105031	VIJAYARAGAVAN R	Registered	Assignment Completed	Completed
29.	821120105032	VIJI J	Registered	Assignment Completed	Completed
30.	821120105033	VIKASH M	Registered	Assignment Completed	Completed
31.	821120105035	VISALAN M	Registered	Assignment Completed	Completed
32.	821120105036	VISHWA D	Registered	Assignment Completed	Completed
33.	821120105037	YOGARAJ P	Registered	Assignment Completed	Completed
34.	821120105302	KABILAN A	Registered	Assignment Completed	Completed
35.	821120105303	MANI BHARATHI S	Registered	Assignment Completed	Completed
36.	821120105304	PRAVEEN KUMAR C	Registered	Assignment Completed	Completed
37.	821120105306	SIVAMURUGAN.G	Registered	Assignment Completed	Completed
38.	821120105307	VELMURUGAN K	Registered	Assignment Completed	Completed

R. Sundaramoorthi
14/09/24

HOD/EEE

Mr. R. Sundaramoorthi
HOD - EEE

Kings College of Engineering
Punakulam - 613 303



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ACADEMIC YEAR 2023 – 2024 (EVEN SEMESTER)

SYLLABUS

Understanding Design

← ↻ 📄 https://onlinecourses.nptel.ac.in/noc24_de04/course
🔍 🔊 ⭐ ⚙️ 📌 ...

vasantharaj118@gmail.com ▾

NPTEL » Understanding Design
Announcements
About the Course
Q&A
Progress
Mentor
Review Assignment
Course Recommendations 🌟

Course outline

About NPTEL

How does an NPTEL online course work?

Week 0

Week 1

Week 2

Week 3

Week 4

Text Transcripts

Books

Understanding Design

ABOUT THE COURSE :

We are surrounded by designed objects, from highways that traverse thousands of kilometers to a pen drive that fits a lot in the smallest of spaces. Designers have used their skills to translate ideas and needs into all the objects that we see around us. Design can be interpreted in multiple ways and can mean different things in different contexts. This course aims to create an awareness and understanding of the discipline of design and its multidisciplinary nature. The relevance and value of design and how it impacts society, industry and the environment is established through lectures, case studies and project activities.

This course is for those who are curious to understand what design is and why is it important.

INTENDED AUDIENCE : This course is for students who would like an introduction to the field of design and its relationship with other disciplines. It is also for those who would like to collaborate with designers for their future work. It is open to all. Mainly for Engineer, Design and Management students



Prof. Nina Sabnani

IIT Bombay

Nina Sabnani is an artist and storyteller who uses film writing to tell her stories. Graduating from the Faculty of Film Studies, she received a master's degree in film from Syracuse University. She was a Fulbright Fellow. Her doctoral research at IIT Bombay explored the Kaavade storytelling tradition of Rajasthan. Her work in film, books, seeks to bring together animation and ethnography. Her winning films have been made into illustrated books and television series in Indian languages. Her passion to explore participatory design led to the making of Hum Chitra Banate Hain (We make Images) with Shweta Madhya Pradesh won the prestigious National award for Best Film in India for 2016. Nina is currently involved in creating online courses.

COURSE TYPE

Elective

COURSE LEVEL

Undergraduate

Mr. R. Sundaramoorthi
14/9/24

Mr. R. Sundaramoorthi
HOD - EEE
Kings College of Engineering
Punalkulam - 613 303

COURSE LAYOUT

Week 1 :

- Module 1- An Introduction to Design,
- Module 2- Users and Context

Week 2 :

- Module 3-Design and Society,
- Module 4 - Design and Sustainability

Week 3 :

- Module 5 - Design and Industry,
- Module 6 - Design and collaboration

BOOKS AND REFERENCES

1. Ansell, C & Torfing J (eds) (2014). Public Innovation through Collaboration and Design. London and New York: Routledge.
2. Antonelli, Paola (2005). Humble Masterpieces: everyday marvels of Design. Harper Collins Publishers.
3. Baxter, Mike (1995). Product Design. London Glasgow New York: Chapman & Hall.
4. Brown, Dan M (2013). Designing Together. New Riders.
5. Doordan, Dennis (ed) (2000). Design History: An Anthology. Cambridge, London: MIT Press.
6. Heskett, John (2002). Design: a very short introduction. Oxford University Press.
7. Geist, Valerius (1978). Life Strategies, Human Evolution, Environmental Design: towards a biological theory of health . New York, Heidelberg, Berlin: Springer-Verlag
8. Lawson, Brian (2006). How Designer's Think: The design process demystified. Routledge.
9. Highmore, Ben (ed) (1975). The Design Culture Reader. London and New York: Routledge.
10. Kepes, Gyorgy (ed) (1966). The Man-Made Object. Studio Vista London.
11. Norman, Don (2013). The Design of Everyday Things. Hachette UK.
12. Papanek, Victor J (1984). Design for the Real World: Human Ecology and Social Change. Academy Chicago.
13. Essi Salonen Designing Collaboration
14. Gupta, Anil K, Grassroots Innovation: Minds On The Margin Are Not Marginal Minds [Link](#)
15. Brown Tim, Change by Design: How Design Thinking Transforms Organizations and Inspires Innovation [Link](#)
16. D'Source, IDC, IITBombay: <http://www.dsource.in/>

CERTIFICATE

The course is free to enroll and learn from. But if you want a certificate, you have to register and write the proctored exam conducted by us in person at any of the designated exam centres.

The exam is optional for a fee of Rs 1000/- (Rupees one thousand only).

Date and Time of Exams: **24 March 2024** Morning session 9am to 12 noon; Afternoon Session 2pm to 5pm.

Registration url: Announcements will be made when the registration form is open for registrations.

The online registration form has to be filled and the certification exam fee needs to be paid. More details will be made available when the exam registration form is published. If there are any changes, it will be mentioned then.

Please check the form for more details on the cities where the exams will be held, the conditions you agree to when you fill the form etc.



HOD/EEE

Mr. R. Sundaramoorthi
HOD - EEE
Kings College of Engineering
Punalkulam - 613 303



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ACADEMIC YEAR 2023 - 2024 (EVEN SEMESTER)
ASSIGNMENT SAMPLES
Name of the Course: Understanding Design



ruthrank56@gmail.com

NPTEL » Understanding Design Announcements About the Course Ask a Question Progress Mentor Review Assignment

If already registered, click to check your payment status

Date enrolled 2023-12-26
 Email ruthrank56@gmail.com
 Name Ruthran. K

- Course outline
- How does an NPTEL online course work?
 - Week 0
 - Week 1
 - Week 2
 - Week 3
 - Week 4

Unit wise Progress	
Assessment scores	
Week 1 : Assignment 1:	80.0
Week 2 : Assignment 2:	70.0
Week 3 : Assignment 3:	30.0
Week 4 : Assignment 4:	70.0

Email dhanashree2003@gmail.com
 Name Dhanashree. R

Your Assessment scores

Week 1 : Assignment 1	90
Week 2 : Assignment 2	70
Week 3 : Assignment 3	60
Week 4 : Assignment 4	80

Name DEVADHARSHAN T
 Email deva18092k4@gmail.com
 Date Enrolled 2023-12-16

Unitwise Progress

Your Assessment scores

Assessment Title	Assessment Score
Week 1: Assignment 1	80
Week 2: Assignment 2	85
Week 3: Assignment 3	75
Week 4: Assignment 4	80

Sundaramoorthi
 14/12/24

Mr. R. Sundaramoorthi
 HOD, EEE

Kings College of Engineering
 Punaikulam - 613 303



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ACADEMIC YEAR 2023-24 (EVEN SEMESTER)
EVALUATION SHEET

Year/Sem: IV/VIII

Batch: 2020-2024

Name of the course: Swayam course on “Understanding Design”

Roll No	Register No	Name of the Student	Assignment Score			
			1	2	3	4
1.	821120105001	ABINAYASREE J	78	85	79	80
2.	821120105002	ABISHEK S	91	100	90	93
3.	821120105003	AKASH M	88	78	79	94
4.	821120105004	AKILAN D	90	91	78	79
5.	821120105005	ARAVINDH A	79	89	84	81
6.	821120105006	DHANASREE R	90	70	60	80
7.	821120105007	ELANANGAI G	78	75	84	91
8.	821120105008	GUSHENRA PRASATH P	89	84	88	74
9.	821120105010	JENISH A	84	87	87	91
10.	821120105011	KANIMOZHI R	91	87	91	90
11.	821120105012	MANOJ M	79	82	79	68
12.	821120105013	MANOJ R	87	89	91	93
13.	821120105014	MUKESH K	92	94	88	84
14.	821120105015	MUKESH M	89	91	89	91
15.	821120105016	MUKESH V	87	82	78	85
16.	821120105017	PRABATH C L	84	79	84	85
17.	821120105018	PRIYADHARSHINI P	91	92	91	90
18.	821120105019	PRIYADHARSHINI S	85	89	81	84
19.	821120105022	ROHITH R	85	87	83	85
20.	821120105023	SALMAN HUSSAIN Z	90	84	80	87

Roll No	Register No	Name of the Student	Assignment Score			
			1	2	3	4
21.	821120105024	SATHISH S	90	87	84	86
22.	821120105025	SEMILI K	80	90	87	82
23.	821120105026	SIVARANJANI D	85	84	87	92
24.	821120105027	SNEHA P	84	87	82	86
25.	821120105028	SOWMIYA K	81	80	84	87
26.	821120105029	SOWMIYA L	80	82	84	84
27.	821120105030	SUDHARSAN S	84	87	85	78
28.	821120105031	VIJAYARAGAVAN R	82	84	85	84
29.	821120105032	VIJI J	79	84	68	90
30.	821120105033	VIKASH M	84	88	84	90
31.	821120105035	VISALAN M	79	85	85	78
32.	821120105036	VISHWA D	94	92	90	81
33.	821120105037	YOGARAJ P	85	84	87	84
34.	821120105302	KABILAN A	85	84	87	84
35.	821120105303	MANI BHARATHI S	68	67	55	79
36.	821120105304	PRAVEEN KUMAR C	84	87	76	82
37.	821120105306	SIVAMURUGAN.G	85	90	84	86
38.	821120105307	VELMURUGAN K	75	85	76	79


24/8/24

HOD / EEE

Mr. R. Sundaramoorthi
HOD - EEE
Kings College of Engineering
Punalikulam - 613 303



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ACADEMIC YEAR 2023-24 (EVEN SEMESTER)
EVALUATION SHEET

Year/Sem: III/VI

Batch: 2021-2025

Name of the course: Swayam course on “Understanding Design”

Roll No	Register No	Name of the Student	Assignment Score			
			1	2	3	4
1.	821121105001	ABIBHARATHI A	84	85	87	82
2.	821121105002	AKASH P	91	90	84	79
3.	821121105003	ARAVINDHAN R	81	84	82	88
4.	821121105004	DHESINGH J	83	85	84	89
5.	821121105005	GAYATHRI K C	80	87	89	86
6.	821121105006	GOKUL M	90	87	84	86
7.	821121105007	GOPINATH S	80	90	87	82
8.	821121105008	HARISHMA R	85	84	87	92
9.	821121105009	JEGADEESAN R	91	94	92	90
10.	821121105010	KARTHIKEYAN S	78	85	84	87
11.	821121105011	MEENA P	84	85	84	87
12.	821121105012	MILTON INFANT RAI P	90	78	67	75
13.	821121105013	PRAVEEN V C	91	95	94	82
14.	821121105014	RUTHRAN K	80	70	30	70
15.	821121105015	SARAVANAKUMAR M	84	79	75	78
16.	821121105016	SHANMUGAESWARAN S	75	79	72	74
17.	821121105017	SIVANANTHAM S	84	85	82	80
18.	821121105018	SIVANESAN C	91	93	90	82
19.	821121105019	SUJITHA S	85	78	81	74
20.	821121105020	SURIYA G	74	71	70	73

Roll No	Register No	Name of the Student	Assignment Score			
			1	2	3	4
21.	821121105021	THAVATHEESH S	75	80	87	91
22.	821121105022	THUSARI S	84	95	91	90
23.	821121105023	VAISHNAVI V	74	78	79	68
24.	821121105024	VIDHYA M	84	89	91	93
25.	821121105025	VIJAY V	88	89	82	81
26.	821121105027	YOGESH C	78	88	94	90
27.	821121105028	YUVARAJ A	78	85	79	80
28.	821121105302	PANDIYARAJAN R	71	74	78	73
29.	821121105303	PARTHASARATHY B	88	78	79	74
30.	821121105305	UDHAYAM.S	74	69	78	79
31.	821121105306	VEERASELVAN.V	81	80	84	79



HOD / EEE

Mr. R. Sundaramoorthi
HOD - EEE
Kings College of Engineering
Punalkulam - 613 303



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ACADEMIC YEAR 2023-24 (EVEN SEMESTER)
EVALUATION SHEET

Year/Sem: II/IV

Batch: 2022-2026

Name of the course: Swayam course on “Understanding Design”

Roll No	Register No	Name of the Student	Assignment Score			
			1	2	3	4
1.	821122105001	ABINAYA M	78	80	82	80
2.	821122105002	ABINAYA S	85	87	85	78
3.	821122105003	ABIRAMI M	90	90	78	83
4.	821122105005	ARCHANA S	78	78	80	84
5.	821122105006	BABY N	74	75	79	91
6.	821122105007	BALAJI J	88	84	80	91
7.	821122105008	CHARUMATHI M	80	80	75	86
8.	821122105009	DEEPIKA R	75	72	79	84
9.	821122105010	DEVATHARSHAN T	80	85	75	80
10.	821122105012	DHANALAKSHMI P	79	82	83	80
11.	821122105013	DHARSHINI G	85	86	84	80
12.	821122105014	DHIVAKAR S	85	87	84	81
13.	821122105015	DURGA R	95	94	89	90
14.	821122105016	DURGA DEVI T	86	89	82	87
15.	821122105017	GURU PRASATH N	88	90	90	78
16.	821122105018	HARIHARAN V	90	78	78	80
17.	821122105019	HARINI U	79	74	75	79
18.	821122105020	HARISH D	90	88	84	80
19.	821122105021	JESTINA SHINY V	85	80	80	75
20.	821122105022	KAILASH A	75	74	78	81

Roll No	Register No	Name of the Student	Assignment Score			
			1	2	3	4
21.	821122105023	KALAIYARASAN P	74	80	78	79
22.	821122105024	KATHIRAVAN M	84	78	78	90
23.	821122105025	KEERTHIKA G	91	83	91	79
24.	821122105027	MANISHKUMAR S	85	84	88	78
25.	821122105028	MANO B	85	91	90	84
26.	821122105029	MELVIN EALIJAH S	90	91	79	78
27.	821122105030	MUTHU MURUGESAN S	84	86	90	78
28.	821122105031	NACHIYAMMAL C	75	84	74	74
29.	821122105032	NANDHAKUMAR D	81	78	80	82
30.	821122105033	NANDHINI S	79	80	78	82
31.	821122105034	NEELAVATHI G	78	80	80	89
32.	821122105036	NITHYA SRI R	85	81	87	94
33.	821122105037	PONNAGARASAN M G	80	90	87	91
34.	821122105039	PRAGADESHWARAN R	85	84	87	82
35.	821122105040	PRIYADHARSHINI L	84	87	82	79
36.	821122105041	PRIYANIRANJANI P	81	80	84	88
37.	821122105042	RAGAVAN M	80	82	84	78
38.	821122105043	RAJAGOWRI S	90	87	80	87
39.	821122105044	RUBASRI R	91	93	90	82
40.	821122105045	SAMUEL G	78	72	71	76
41.	821122105046	SATHIYA S	83	85	80	84
42.	821122105047	SHAHATHIYA R	80	87	75	89
43.	821122105048	SHANMUGAPRIYA L	75	78	80	84
44.	821122105049	SHANMUGAPRIYA S	80	90	79	82
45.	821122105050	SIVASANGARI G	85	84	85	86
46.	821122105051	SRI HARI SRIDHAR L	84	87	85	87
47.	821122105052	SUBHASHINI M	81	80	78	74
48.	821122105053	SURIYA N	80	82	86	89
49.	821122105054	THARSHA A.S	75	78	82	84

Roll No	Register No	Name of the Student	Assignment Score			
			1	2	3	4
50.	821122105055	THENMOZHI T	75	79	72	74
51.	821122105056	UMA S	91	90	97	82
52.	821122105057	VAISHNAVI C	85	88	87	94
53.	821122105058	VASANTHAKUMAR R	78	90	93	88
54.	821122105059	VENKADESHWARAN G	94	92	90	80
55.	821122105060	VETRI D	85	84	87	87
56.	821122105301	ABINESH S	85	84	87	90
57.	821122105302	HARIHARAN B	68	67	55	78
58.	821122105303	KARTHI P	84	87	76	75
59.	821122105304	KISHORE KUMAR S	85	82	84	78
60.	821122105305	RITHISH M	71	75	73	80

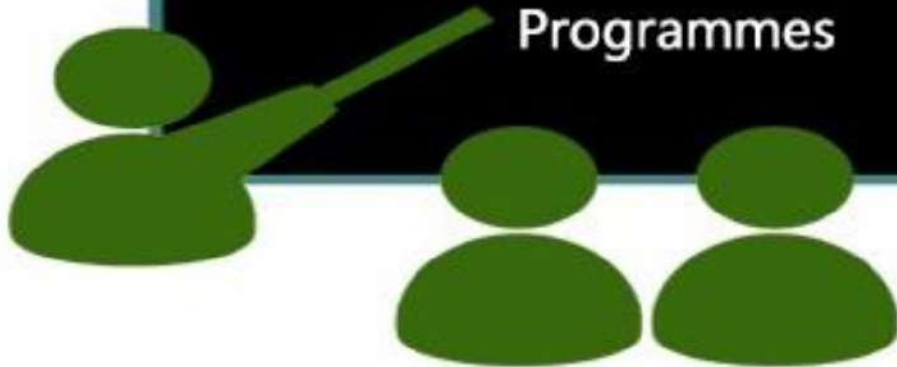

24/09/24

HOD / EEE

Mr. R. Sundaramoorthi
HOD - EEE
Kings College of Engineering
Punakulam - 613 303

**DEPARTMENT OF
MECHANICAL
ENGINEERING**

Add-On & Enrichment Programmes





DEPARTMENT OF MECHANICAL ENGINEERING

ACADEMIC YEAR 2023-24

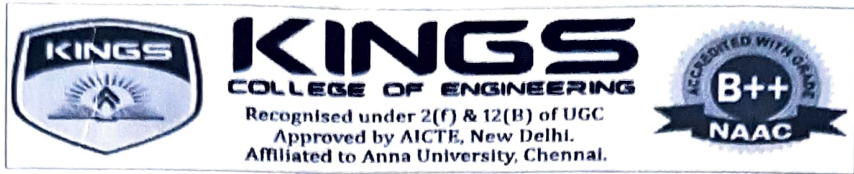
ADD ON PROGRAMS / CERTIFICATION COURSE DURING THE YEAR

S.No	Name of the Program	Duration	Beneficiaries
2023-24 (ODD)			
1	Bridge Course on “ Basics of Mechanical Engineering” – II Year	30 Hours	63
2	Value Added Course on “Smart Materials and Structures” – III Year	30 Hours	49
3	Refresher Course on “ Automation in Engineering” – IV Year	30 Hours	79
4	MHRD Sponsored IIT Bombay Certification Course on “Scilab” – II Year	30 Hours	63
5	MHRD Sponsored IIT Bombay Certification Course on “Openfoam” – III Year	30 Hours	49
6	MHRD Sponsored IIT Bombay Certification Course on “Latex” – IV Year	30 Hours	79
2023-24 (EVEN)			
7	Certification Course on “Advanced Welding Technologies” - II Year	30 Hours	63
8	My Credit Course on “Condition Monitoring and Maintenance Management” – IV Year	30 Hours	75
9	MHRD Sponsored IIT Bombay Certification Course on “GIMP” – II Year	30 Hours	63
10	MHRD Sponsored IIT Bombay Certification Course on “Blender” – III Year	30 Hours	49
11	MHRD Sponsored IIT Bombay Certification Course on “C and C++” – IV Year	30 Hours	75

M. J. [Signature]
14/01/2024
Staff In-Charge

T. P. [Signature]
14/01/24
HOD/Mech.
H.O.D
DEPARTMENT OF MECHANICAL ENGINEERING
KINGS COLLEGE OF ENGINEERING
PUNAIKULAM

T. [Signature]
14/01/24
Principal
Principal
Kings College of Engineering
(Autonomous)
Punaiikulam - 613 303



DEPARTMENT OF MECHANICAL ENGINEERING

ACADEMIC YEAR 2023-24 (ODD)

Date : 10.09.2023

CIRCULAR

As a part of skill enhancement of student community, the Department of Mechanical Engineering has planned to conduct the "Bridge Course" For second year students from 20.09.2023 at Mechanical ICT Class Room (207). Interested second year students are requested to register their name to Mr.R.Rajadurai, AP/MECH and Mr.S.Balaganesh AP/MECH on or before 18.09.2023.

S. Balaganesh
10.9.23
10/9/23

Coordinators

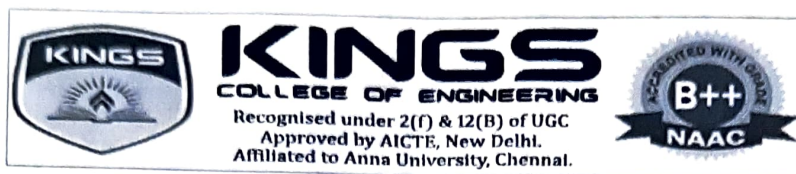
(Mr.R.Rajadurai, AP/MECH &
Mr.S.Balaganesh, AP/MECH)

T. P. R. Prabhakaran

HOD/MECH

H O D

DEPARTMENT OF MECHANICAL ENGINEERING
KINGS COLLEGE OF ENGINEERING
PITAMPALAM



Department of Mechanical Engineering

Academic year 2023-24 ODD /Batch:2022-26

BRIDGE COURSE SYLLABUS

Course Objectives:

- The course aims to emphasize the importance of mechanical engineering discipline.
- Familiarize students with concepts such as fluid density, viscosity, pressure, and flow behavior.
- Explore techniques for project execution, monitoring, and control to ensure project objectives.

UNIT I

INTRODUCTION TO MECHANICAL ENGINEERING:

Overview of mechanical engineering as a discipline, Historical development and significance, Branches and sub-disciplines of mechanical engineering.

UNIT II

ENGINEERING MECHANICS:

Statics: Forces, equilibrium, moments, and free-body diagrams, Dynamics: Kinematics and kinetics of particles and rigid bodies. Stress and strain analysis. Axial loading, torsion, bending, and shear, Material properties and failure criteria

UNIT III

FUNDAMENTALS OF THERMODYNAMICS PROPERTIES:

Basic concepts, laws, and cycles, Properties of pure substances, Heat transfer mechanisms: conduction, convection, and radiation.

UNIT IV

FLUID MECHANICS AND FLUID POWER:

Fluid properties and statics, Fluid dynamics, Bernoulli's equation, and applications, Flow measurement and analysis.

UNIT V ENGINEERING ETHICS AND ENGINEERING PROJECT MANAGEMENT:

Ethical considerations in engineering practice, Professional responsibilities and codes of conduct, Project planning, scheduling, and budgeting, Teamwork and communication skills.

REFERENCES:

1. Engineering Fundamentals: An Introduction to Engineering" by Saeed Moaveni.
2. "Engineering Mechanics: Dynamics" by J. L. Meriam and L. G. Kraige.
3. "Materials Science and Engineering: An Introduction" by William D. Callister Jr. and David G. Rethwisch.
4. "Engineering Project Management" by Nigel J. Smith and John M. Lockyer.

Course Outcomes:

- Apply theoretical principles to analyze and solve engineering problems encountered in practice.
- To understand the operation and components of hydraulic systems, including pumps, valves, actuators, and control circuits.
- The student shall understand the principles and working environment.
- To provide a foundation for pursuing careers in various industries, including manufacturing, energy, automotive, aerospace, and robotics.

S. Bala
S. Bala

Course in charge

T. R. R. R. R.
HoD/Mechanical

H O D

DEPARTMENT OF MECHANICAL ENGINEERING
KINGS COLLEGE OF ENGINEERING
PINALKULAM



KINGS
COLLEGE OF ENGINEERING
Recognized under 2(f) & 12(B) of UGC
Approved by AICTE, New Delhi
Affiliated to Anna University, Chennai



Bridge Course Mark Statement

Course Name :Basics of Mechanical Engineering

Class: II Mechanical / III Semester

Batch: 2022-2026

R. No.	Register Number	Student Name	Marks
1	821122114001	AANESTRAJ B	78
2	821122114002	ABDULHAKKIM S	80
3	821122114003	AJAY A	69
4	821122114005	AKASH P	88
5	821122114006	AKASH S	70
6	821122114007	ANANDAN P	89
7	821122114008	ARUNASH M	88
8	821122114009	ASHWINKUMAR A	90
9	821122114012	BALANJEFRIKISHORE J	90
10	821122114013	BHUVANESHWARAN J D	66
11	821122114014	BRAMMA R	58
12	821122114015	DEEPAKKUMAR K	64
13	821122114016	DEVARAJAN D	55
14	821122114017	DHANUSH S	80
15	821122114018	DHIVYAKUMAR P S	88
16	821122114020	GOWTHAM A	70
17	821122114021	HARISH K	66
18	821122114023	KISHORE S	61
19	821122114024	KISHORE SHIVAN K	80
20	821122114025	MAHENDRAN C	90
21	821122114026	MANIKANDAN S	91
22	821122114028	MANOBALA B	65
23	821122114029	MATHUBALA G	80
24	821122114030	MUGESH P	52
25	821122114031	MUKESH S	69
26	821122114032	MURALITHARAN M	90
27	821122114033	PERARASAN G	78
28	821122114034	PRABHU M	92
29	821122114035	PREMKUMAR L	70
30	821122114036	RAGAVAN R	80
31	821122114037	RAMANAN C	81
32	821122114038	RANJITH A	83
33	821122114039	SAKTHIVENDAN M	70
34	821122114040	SANJAY C	90
35	821122114042	SANTHOS PRIYAN P	79
36	821122114043	SARVESWARAN S	81
37	821122114044	SAVYASAZIN J	65
38	821122114045	SENTHAMIL SELVAN B	80
39	821122114046	SHANMUGARAJAN K	78
40	821122114047	SIVA M	79
41	821122114048	SIVARAMAKRISHNAN B	91

42	821122114050	SUBASHKARAN M	LONG ABSENT
43	821122114051	SUDHARSHAN V	70
44	821122114052	SUDHARSON P	80
45	821122114053	SUNILJOY P	90
46	821122114054	TAMILMARAN S	78
47	821122114055	THIRUMURUGAN S	91
48	821122114056	UVAN SANKAR VEL A	77
49	821122114057	VARUN T	82
50	821122114058	VASANTHHARIHARAN K	79
51	821122114059	VEERAVEL S	55
52	821122114060	VELMURUGAN G	69
53	821122114061	VIGNESHWARAN N	81
54	821122114062	VIJAYARAGAVAN V	78
55	821122114063	YASWANTH S	65
56	821122114501	MOHESHKUMAR M	59
57	821122114301	AABEL G	81
58	821122114302	ABINESH A	79
59	821122114303	BALAJI N	88
60	821122114304	BALAMURUGAN A	89
61	821122114305	GOPINATH K	90
62	821122114306	SIPRIYANGEORGE G	78
63	821122114307	THILAGAN B	94
64	821122114308	VEDHA S	98

[Signature]
[Signature]
Staff Incharge

[Signature]
HoD/MECH

H O D
 DEPARTMENT OF MECHANICAL ENGINEERING
 KINGS COLLEGE OF ENGINEERING
 PUNJALKULAM



DEPARTMENT OF MECHANICAL ENGINEERING

ACADEMIC YEAR 2023 - 24 (ODD SEMESTER)

BRIDGE COURSE REPORT

Year / Sem : II-MECH / 03

Course Name: "Basics of Mechanical Engineering"

Venue : Mechanical Smart Class room.

Objective of the Bridge Course:

- The objectives of a Basic Mechanical Engineering course are designed to provide students with a foundational understanding of fundamental principles and concepts in the field of mechanical engineering.
- Familiarize students with the role and significance of mechanical engineering in the broader field of engineering.
- To know the properties and behaviour of materials used in different temperature and load condition.
- To understand the students to the ethical and professional responsibilities associated with mechanical engineering.

Methodology:

- Action plan of the bridge course is prepared well in advance by the senior faculty and get it approved by Head of the Department.
- Handle the lecture class with multimedia presentations, visual aids, and demonstrations.
- Provide opportunities for students to work with tools, instruments, and equipment commonly used in mechanical engineering.
- Use different evaluation methods such as quizzes, exams, assignments, and projects.

Session Details:

Dr.T.Pushparaj, HOD, Department of Mechanical Engineering delivered the welcome address for the "Bridge Course on Basics of Mechanical Engineering" for second year students. He highlighted the importance of mechanical knowledge; outcome based education and shared his experience with the students.

Mr.R.Rajadurai, Assistant Professor, Department of Mechanical Engineering enlightened second year students about the basics of a mechanical engineering course.He also explained the rules and regulations of practical subjects to effectively handle sessions for a basic mechanical engineering course.

Mr.S.Balaganesh, Assistant Professor, Department of Mechanical Engineering handled an activity based session for second year students on basics of mechanical engineering and also comprehend foundational concepts. Share additional resources, recommended online materials for students and discuss the practical applications and relevance of the basics being covered.

Photo Gallery of Bridge Course



Outcome of the Bridge Course:

- Students understand the fundamental engineering principles and their applications.
- Gained the knowledge about ethical and professional responsibilities associated with mechanical engineering.

Handwritten signature of S. Balaganesh
30.1.24
Coordinators

(Mr.R.Rajadurai, AP/MECH &
Mr.S.Balaganesh, AP/MECH)

Handwritten signature of T. R. Ravi
21/2/24
HOD/Mech

Handwritten signature of J. Ravi
7/2/2024
Principal



KINGS
COLLEGE OF ENGINEERING

NAAC Accredited & ISO Certified Institution

Recognized by UGC under 8(E) & 12(B)

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Pondicherry, Gandarvakottai Taluk, Pandukottai District - 610 000.

This is to certify that

S . VEDHA

Kings College of Engineering
Successfully Completed the Bridge course
in the Topic of

BASICS OF MECHANICAL

Organized by
Department of Mechanical Engineering,
Kings College of Engineering
Thanjavur

** This Certificate is auto generated, Signature not Required **

Dr.T.Pushparaj
HOD/MECH

Dr.J.Arputha Vijaya Selvi
PRINCIPAL



DEPARTMENT OF MECHANICAL ENGINEERING

TIME TABLE (SEP 2023 - JAN 2024, ODD SEM)

B.E - MECH (R 2021) - With Effect from 20.09.2023 / Tentative Last working day: 31.01.24

Batch: 2022-2026

Year: II

Semester: III

Class Room : 207

Strength: 65

Block: II

Semester: III						Class Room : 207			Block: II		
Session	1	2	10.45 am - 11.00 am	3	4	12.30 pm - 01.10 pm	5	6	02.40 pm - 02.50 pm	7	8
Day	09.15am - 10.00am	10.00am - 10.45am		11.00am - 11.45am	11.45am - 12.30pm		01.10pm - 01.55pm	01.55 pm - 02.40 pm		2.50 pm - 3.35 pm	03.35 pm - 04.20pm
MON	MA3351	ME3391	BREAK	ME3351	ME3392	LUNCH BREAK	T&P(A)	MA3351	BREAK	ME3391	CE3391
TUE	CE3391	MA3351		ME3392	ME3393		ME3381 ME3382			ME3381 (B1) ME3382 (B2)	
WED	ME3351	MA3351		CE3391	T&P(S)		ME3381 ME3382			ME3381 (B2) ME3382 (B1)	
THU	ME3392	ME3393		ME3391	ME3351		MA3351	ME3393		ME3351	NPTEL
FRI	ME3393	ME3351		ME3392	ME3391		CE3391	MA3351		SPORTS	
SAT	ME3391	CE3391		ME3351	ME3392		ME3391	BC		ME3393	LIB

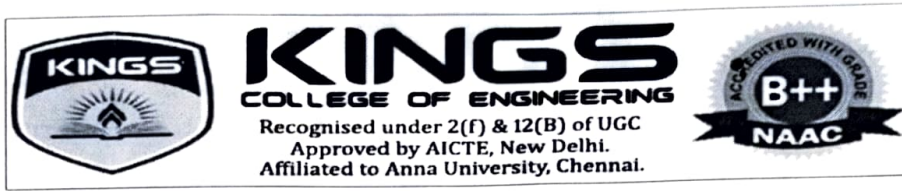
SUB CODE	NAME OF THE SUBJECT	CATEGORY	CREDITS	NAME OF THE STAFF	DEPT	PERIODS/ WEEK
TUTORIAL (T), ELECTIVE (E)						
MA3351	Transforms and Partial Differential Equations	BSC	3	Mrs.T.Gnanajeya	MATHS	6
ME3351	Engineering Mechanics	ESC	3	Mr.M.Vivekananthan	MECH	6
ME3391	Engineering Thermodynamics	PCC	3	Mr.R.Rajadurai	MECH	6
CE3391	Fluid Mechanics and Machinery	ESC	3	Dr.M.Melwin J Sridhar	MECH	5
ME3392	Engineering Materials and Metallurgy	PCC	3	Mr.S.Nelson Raja	MECH	5
ME3393	Manufacturing Processes	PCC	3	Mr.M.Sakthivel	MECH	5
PRACTICAL (P)						
ME3381	Computer Aided Machine Drawing	PC	2	Dr.M.Melwin J Sridhar	MECH	4
ME3382	Manufacturing Technology Laboratory-I	PC	2	Mr.N.Magesh	MECH	4
VALUE ADDITION INITIATIVES (VAI)						
BC	Bridge Course on "Basics of Mechanical Engineering"	VAI		Mr.R.Rajadurai	MECH	1
LIB/NET	Library/Internet	VAI		Mr.R.Rajadurai	MECH	1
NPTEL	NPTEL	VAI		Mr.M.Sakthivel	MECH	1
		VAI		Mr.R.Rajadurai	MECH	1
SPORTS	SPORTS	VAI		Dr.M.Melwin J Sridhar	MECH	2
T&P(A)	Training and Placement (Aptitude)	VAI		Ms.P.Suganya	T&P	1
T&P(S)	Training and Placement (Soft Skills)	VAI		Dr.B.Sureshbabu	T&P	1

CLASS CO-ORDINATOR	NAME OF THE REPRESENTATIVE	ROLL NO
Mr.R.Rajadurai	G.Velmurugan	57
CLASS COMMITTEE CHAIR PERSON	Mr.V.Aravind	

DEPT. TTC

HOD

PRINCIPAL



DEPARTMENT OF MECHANICAL ENGINEERING

ACADEMIC YEAR 2023-24 (ODD)

Date : 20.08.2023

CIRCULAR

As a part of skill enhancement of student community, the Department of Mechanical Engineering has planned to conduct the Value Added Course on Smart Materials and Structures" For third year students from 27.08.2023 at Mechanical ICT Class Room (207). Interested Third year students are requested to register their name to Mr. V. Aravind AP/MECH on or before 22.08.2023.

Mr. V. Aravind
Coordinator
(Mr.V. Aravind)

T. P. Aravind
HOD/MECH

H.O.D
DEPARTMENT OF MECHANICAL ENGINEERING
KINGS COLLEGE OF ENGINEERING
PILAIKULAM



DEPARTMENT OF MECHANICAL ENGINEERING

TIME TABLE (JUL 2023 - NOV 2023, ODD SEM)

B.E - MECH (R 2021) - With Effect from 27.07.2023 - Tentative Last working day: 17.11.2023

Batch:2021-2025

Year: III

Semester: V

Class Room : 208

Strength:49

Block: II

Year: III			Semester: V									
Session	1	2	10.45 am - 11.00 am	3	4	12.30 pm - 01.10 pm	5	6	2.40 pm - 2.50 pm	7	8	
Day	09.15am - 10.00am	10.00am - 10.45am		11.00am - 11.45am	11.45am - 12.30pm		01.10pm - 01.55pm	01.55 pm - 02.40 pm		2.50 pm - 3.35 pm	03.35 pm - 04.20pm	
MON	ME3592	CME380		CME396	CME380		CME396	CME394		T&P(A)	GATE	
TUE	CME394	CME396	BREAK	ME3591		LUNCH BREAK	CME396	T&P(S)	BREAK	ME3592	MX3084	
WED	CME380	CME394		CME396	ME3592		ME3581			ME3581		
THU	NM			NM			NM			NM		
FRI	ME3591			CME380	CME396		CME394	LIB/NET		SPORTS		
SAT	ME3592	CME380		ME3592	CME394		MP	VAC		NPTEL	MX3084	

SUB CODE	NAME OF THE SUBJECT	CATEGORY	CREDITS	NAME OF THE STAFF	DEPT	PERIODS/ WEEK
TUTORIAL (T), ELECTIVE (E)						
ME3591	Design of Machine Elements	PCC	4	Dr.R.Shankar	MECH	5
ME3592	Metrology and Measurements	PCC	3	Mr.S.Balaganesh	MECH	5
CME380	Automobile Engineering	PEC	3	Mr.V.Aravind	MECH	5
CME394	Advanced Internal Combustion Engineering	PEE	3	Dr.P.P.Shantharaman	MECH	5
CME396	Process Planning and Cost Estimation	PEC	3	Mr.N.Magesh	MECH	5
MX3084	Mandatory Course-II	MC	0	Mr.S.Nelson Raja	MECH	2
PRACTICAL (P)						
ME3581	Metrology and Dynamics Laboratory	PC	2	Mr.S.Nelson Raja Mr.R.Rajadurai	MECH	4
VALUE ADDITION INITIATIVES (VAI)						
GATE	GATE /Competitive Exam	VAI		Dr.R.Shankar Mr.S.Nelson Raja	MECH	1
LIB/NET	Library/Internet	VAI		Dr.R.Shankar Mr.S.Balaganesh	MECH	1
NPTEL	SWAYAM/NPTEL	VAI		Dr.R.Shankar	MECH	1
NM	NANMUTHALVAN	VAI		Dr.R.Shankar	MECH	8
MP	Mini project	VAI		Dr.R.Shankar	MECH	1
SPORTS	Sports	VAI		Dr.R.Shankar Mr.N.Magesh	MECH	2
T&P(A)	Training and Placement (Aptitude)	VAI		Dr.B.Baran Kumar	T&P	1
T&P(S)	Training and Placement (Soft Skill)	VAI		Dr.B.Suresh babu	T&P	1
VAC	Value Added Course	VAI		Mr.V.Aravind	MECH	1

CLASS CO-ORDINATOR	NAME OF THE REPRESENTATIVES	ROLL NO
Dr.R.Shankar	K Suresh	39
CLASS COMMITTEE CHAIR PERSON	Mr.M.Vivekananthan	

DEPT. HOD

T. Suresh
HOD 27/11/23

PRINCIPAL 27/11/2023

SMART MATERIALS AND STRUCTURES

OBJECTIVES:

- To describe the basic principles and mechanisms of smart materials and devices.
- To enhance the knowledge of physical principles underlying the behavior of smart materials.
- To understand the basic principles in smart sensors, actuators and transducer technology and mechanisms of measuring techniques with applications.

UNIT I PROPERTIES OF MATERIALS & ER AND MR FLUIDS 15

Introduction - Piezoelectric Materials and properties - Actuation of structural components - Shape Memory Alloys, Electro rheological and magneto rheological fluids - Mechanisms and Properties - Fiber Optics - Fibre characteristics - Fiber optic strain sensors, Introduction to FGM Structures - Processing & Characterization of FGM Materials.

UNIT II MEASURING TECHNIQUES & CONTROL OF STRUCTURES 8

Strain measuring techniques using electrical strain gauges - Types - Resistance - Capacitance - Inductance - Wheatstone bridges - Pressure transducers - Load cells — Temperature Compensation - Strain Rosettes - Control modeling of structures - Control strategies and limitations - Classification of control systems.

UNIT III APPLICATIONS 7

Application of shape memory - Concept of smart bridges - Application of ER fluids - Application of MR dampers in different structures - Application of MR dampers in Mechanical Structures - Structural health monitoring - Application of optical fibres.

TOTAL: 30 PERIODS

OUTCOMES:

Upon the completion of this course the students will be able to

1. Classify various smart materials and devices.
2. Formulate analytical approach on vibration absorbers.
3. Demonstrate strain measurement using smart materials.
4. Develop control strategies for smart structures, dampers for health monitoring of structures.

REFERENCES:

1. Srinivasan, A.V., and Michael McFarland. D., "Smart Structures - Analysis and Design", Cambridge University Press, 2001.
2. Brian Culshaw, "Smart Structures and Materials", Artech House, Boston, 1996.
3. Gandhi. M.V and Thompson. B.S., "Smart Materials and Structures", Chapman and Hall, 1992.


Course Incharge


HOD/MECH

H O D
DEPARTMENT OF MECHANICAL ENGINEERING
KINGS COLLEGE OF ENGINEERING
PILAIKULAM

VAC Mark Statement

Course Name : Smart Materials and Structures

Class: III Mechanical / V Semester

R. No.	Register Number	Student Name	Marks
1	821121114001	Aakash P	78
2	821121114002	Akilan P	80
3	821121114003	Alex A	78
4	821121114004	Anbarasan C	88
5	821121114005	Aswinkumar R	88
6	821121114006	Dhakshinamoorthy C	89
7	821121114007	Dhinakaran P	88
8	821121114009	Dinesh K	95
9	821121114010	Elanthendral R	96
10	821121114012	Jananpandian C	66
11	821121114013	Joseph Christoher M	58
12	821121114015	Kalaimaran S	64
13	821121114016	Karthi G	80
14	821121114017	Kaviyarasan K	62
15	821121114018	Kiveshwaran V	88
16	821121114019	Madhan R	70
17	821121114020	Manikandan R	66
18	821121114021	Manikandan S	61
19	821121114022	Manikandan S	80
20	821121114023	Manikandan U	90
21	821121114024	Maniraj D	91
22	821121114027	Mukesh Kumar R	80
23	821121114028	Niraivan M	80
24	821121114029	Nirmal D	88
25	821121114030	Nithishkumar R	69
26	821121114031	Nivaskhan R	90
27	821121114032	Perarivalan R	78
28	821121114033	Ponnarasan S	92
29	821121114034	Ragul S	70
30	821121114035	Rajeshkumar R	80
31	821121114036	Ribaydeen R	81
32	821121114037	Rishivaran C	83
33	821121114038	Santhosh. R	70
34	821121114041	Sathish K	90
35	821121114042	Selva S	79
36	821121114044	Selvendran S	81
37	821121114045	Siva A	65
38	821121114046	Sridhar S	80
39	821121114047	Suresh K	78
40	821121114048	Veerakumar R	79
41	821121114301	Aravindan M	91

42	821121114302	Bharani abisheik V	70
43	821121114303	Bharanidharan G	86
44	821121114304	Hariharan R	98
45	821121114305	Kincily S	78
46	821121114306	Prakash M	91
47	821121114307	Sabariraj S	77
48	821121114308	Sethuram .A	82
49	821121114701	Yogeshwaran S	79


Staff Incharge


HoD/MECH

H O D
DEPARTMENT OF MECHANICAL ENGINEERING
KINGS COLLEGE OF ENGINEERING
MIDNAPUR

DEPARTMENT OF MECHANICAL ENGINEERING

ACADEMIC YEAR 2023-24 / ODD SEMESTER

VALUE ADDED COURSE REPORT

As per Students Enrichment, a value addition initiative course on “smart materials and structures” has been conducted for third year students on Saturdays. which enhanced the students’ knowledge about different normal and abnormal behavior of certain materials (smart materials) and their engineering applications. Two assessments have been conducted for evaluation of the course. For all passed students, the E- certificate has been issued through the mail.

COURSE DETAILS

Course Code & Name: MVA005 & Smart Materials and Structures

Year / Semester: III / V

Course duration: 27.08.2023 to 22.10.2023 (30 Periods)

No of students enrolled: 49

No of students completed the course: 48

Course Incharge: Mr. V.Aravind

Course Credit Points: 2

COURSE OBJECTIVES

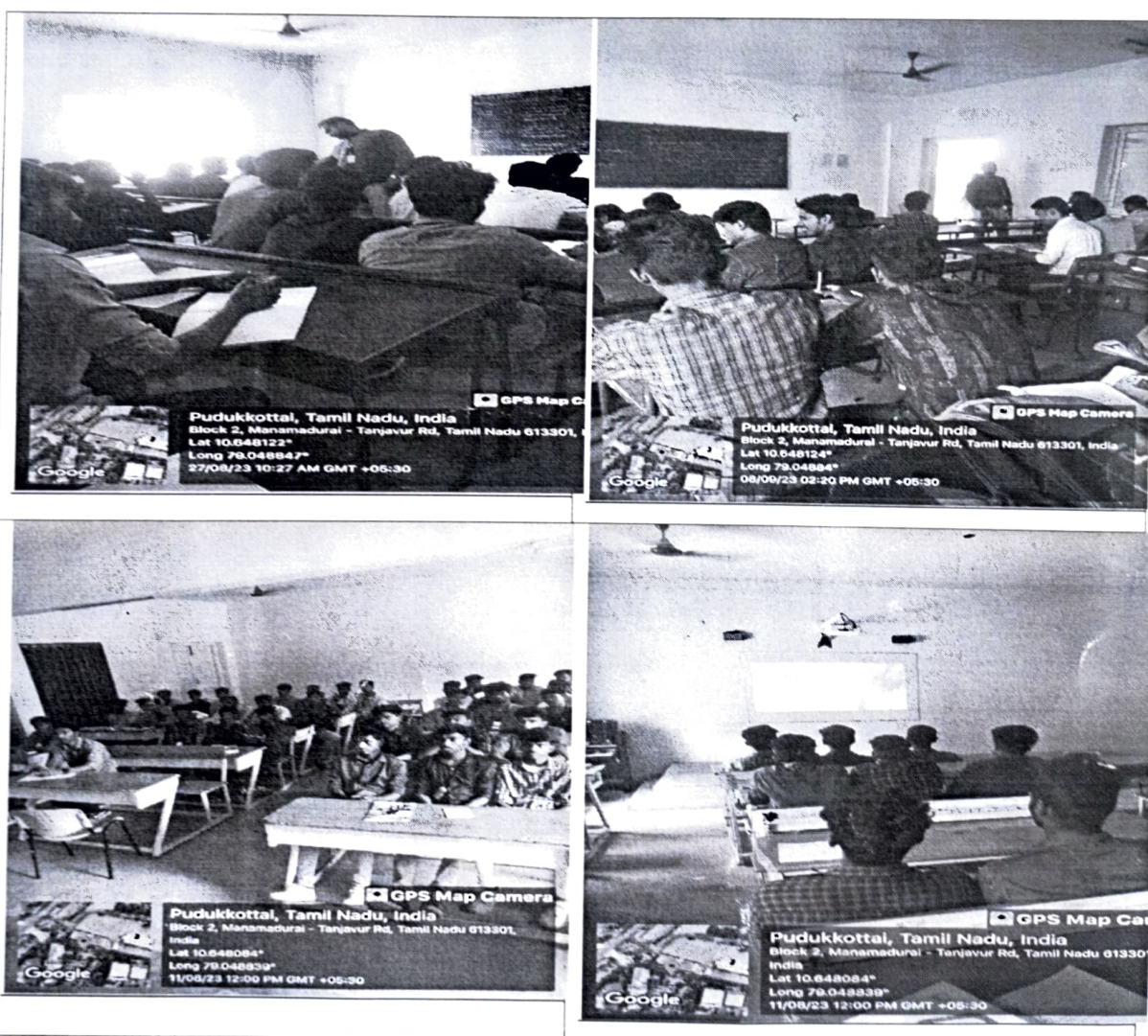
- To describe the basic principles and mechanisms of smart materials and devices.
- To enhance the knowledge of the physical principles underlying the behavior of smart materials.
- To understand the basic principles in smart sensors, actuators and transducer technology and mechanisms of measuring techniques with applications.

COURSE OUTCOMES:

Upon the completion of this course the students will be able to

1. Classify various smart materials and devices.
2. Formulate an analytical approach on vibration absorbers.
3. Demonstrate strain measurement using smart materials.
4. Develop control strategies for smart structures, dampers for health monitoring of structures.

COURSE SCREENSHOTS



Mr. V.Aravind handled the sessions of "Smart materials and structures "in different days

FEEDBACK

Feedback has been collected from the students at the end of sessions



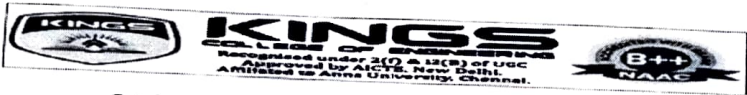
**Student Feedback Form for Value Added Course
Mechanical Department
Student Feed Back**

Course : Smart Materials And Structures
Academic year : 2023-2024 Batch- 2021-2025
Semester : V

Name : Kincily

Reg No: 821121114304

S.No	Criteria	Rating				
		Excellent	Very Good	Good	Fair	Satisfactory
1	Course content	✓				
2	Skill development	✓				
3	Motivation	✓				
4	Regularity & punctuality		✓			
5	Coverage of syllabus	✓				
6	Interaction	✓	✓			
7	Individual attention		✓			
8	Outcome		✓			
9	Other suggesstion		✓			



**Student Feedback Form for Value Added Course
Mechanical Department
Student Feed Back**

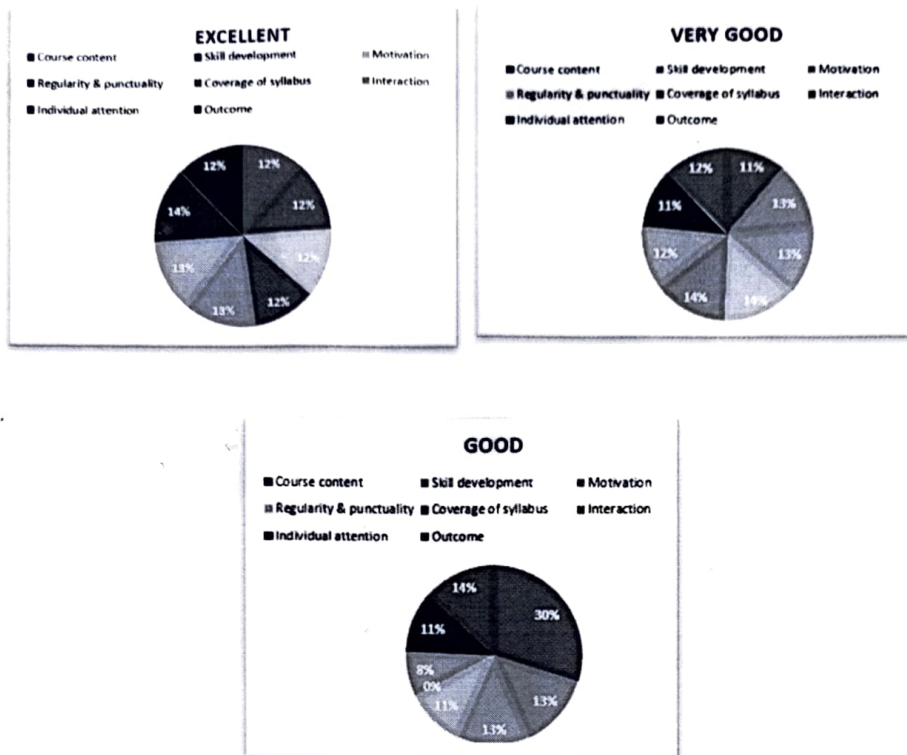
Course : Smart Materials And Structures
Academic year : 2023-2024 Batch- 2021-2025
Semester : V

Name : Dhinakaran

Reg No: 821121114007

S.No	Criteria	Rating				
		Excellent	Very Good	Good	Fair	Satisfactory
1	Course content	✓				
2	Skill development		✓			
3	Motivation		✓			
4	Regularity & punctuality	✓				
5	Coverage of syllabus	✓				
6	Interaction		✓			
7	Individual attention		✓			
8	Outcome	✓				
9	Other suggesstion		✓			

FEEDBACK	Excellent	Very Good	Good	Fair	Satisfactory
Course content	30	10	08	-	-
Skill development	28	11	09	-	-
Motivation	30	09	09	-	-
Regularity & punctuality	32	07	09	-	-
Coverage of syllabus	30	11	07	-	-
Interaction	33	10	05	-	-
Individual attention	32	11	05	-	-
Outcome	31	13	04	-	-



SAMPLE CERTIFICATES





[E - CERTIFICATE]

This is to certified that

Mr. SIVA A

has successfully completed the Value Added Course (2 Credits) **MVA005 - Smart Materials and Structures** required course of study approved by the Anna University for the fifth semester on Third year Mechanical Engineering.

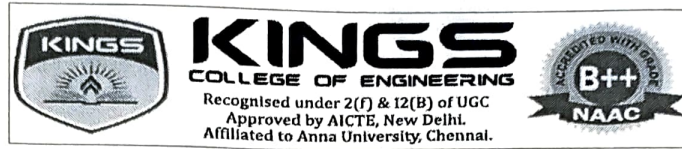


Scanned certificate a graduate is not required


Staff Incharge


HOD/Mech 23/2/2024


Principal 23/2/2024



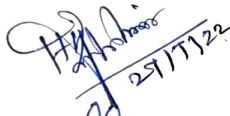
DEPARTMENT OF MECHANICAL ENGINEERING

ACADEMIC YEAR 2023-24(ODD)

Date: 27.07.2022

CIRCULAR

This is to inform that our department is going to conduct a **Refresher Course on Automation in Manufacturing** on this academic year 2023-2024, interested students in IV Mech A and IV Mech Bare asked to enroll their name to Mr.S.Sabanayagam AP/MECH and Mr.H.Agilan, AP/Mech, respectively on or before **31.07.2023**.

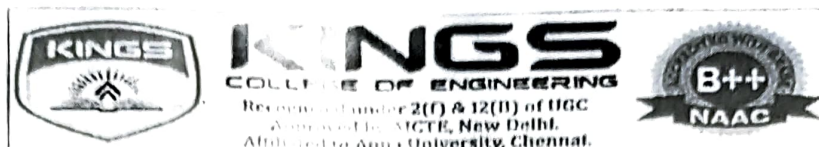

29/7/22

Coordinator
(Mr.H.Agilan, AP/MECH)
(Mr.S.Sabanayagam, AP/MECH)


29/7/22

HOD/MECH
(Dr.T.Pushparaj)

H.O.D
DEPARTMENT OF MECHANICAL ENGINEERING
KINGS COLLEGE OF ENGINEERING
PUNALKULAM



DEPARTMENT OF MECHANICAL ENGINEERING

TIME TABLE (JUL 2023 - NOV 2023, ODD SEM)

B.E - MECH (R 2021) - With Effect from 27.07.2023 - Tentative Last working day: 17.11.2023

Batch:2020-2024

Strength:39

Year: IV-A

Semester: VII

Class Room :206 Block: II

Session	1	2	10.45 am - 11.00 am	3	4	12.30 pm - 01.10 pm	5	6	2.40 pm - 2.50 pm	7	8
Day	09.15am - 10.00am	10.00am - 10.45am	BREAK	11.00am - 11.45am	11.45am - 12.30pm	LUNCH BREAK	01.10pm - 01.55pm	01.55 pm - 02.40 pm	BREAK	2.50 pm - 3.35 pm	03.35 pm - 04.20pm
MON	OIE751	ME8073		T&P(S)	ME8792		ME8711			ME8711	
TUE	ME8073	ME8792		ME8791	ME8793		T&P(A)	ME8792		RC	OIE751
WED	ME8793	ME8791		ME8073	ME8712		OIE751	ME8791		ME8073	PP-I
THU	NM			NM			NM			NM	
FRI	ME8781			ME8781			ME8793	ME8792		SPORTS	
SAT	ME8792	OIE751		ME8793	NPTEL		ME8791	LIB		ME8791	ME8712

SUB CODE	NAME OF THE SUBJECT	CATEGORY	CREDITS	NAME OF THE STAFF	DEPT	PERIODS /WEEK
TUTORIAL (T), ELECTIVE (E)						
ME8792	Power Plant Engineering	PCC	3	Dr.T.Pushparaj	MECH	5
ME8793	Process Planning and Cost Estimation	PCC	3	Mr.N.Magesh	MECH	4
ME8791	Mechatronics	PCC	3	Mr.S.Balaganesh	MECH	5
OIE751	Robotics	OE II	3	Mr.K.Rajeshkumar	MECH	4
ME8073	Unconventional Machining Processes	PEC II	3	Mr.S.Sabanayagam	MECH	4
NM	Naan Mudhalvan	--	--	Mr.S.Balaganesh	MECH	8
PRACTICAL (P)						
ME8711	Simulation & Analysis Laboratory	PC	2	Mr.S.Sabanayagam	MECH	4
ME8781	Mechatronics Laboratory	PC	2	Mr.S.Balaganesh	MECH	4
ME8712	Technical Seminar	PC	1	Dr.T.Pushparaj	MECH	2
VALUE ADDITION INITIATIVES (VAI)						
RC	Refresher course on Automation in Manufacturing	VAI		Mr.S.Sabanayagam	MECH	1
LIB	Library/Internet	VAI		Mr.S.Sabanayagam Mr.K.Rajeshkumar	MECH	1
PP-I	Project Phase I	VAI		Mr.S.Sabanayagam	MECH	1
NPTEL	SWAYAM / NPTEL	VAI		Mr.S.Sabanayagam	MECH	1
SPORTS	Sports	VAI		Mr.S.Sabanayagam Mr.S.Balaganesh	MECH	2
T&P(A)	Training and Placement (Aptitude)	VAI		Mr.P.Suganya	T&P	1
T&P(S)	Training and Placement (Soft Skills)	VAI		Dr.K.Sudhakar	T&P	1

CLASS CO-ORDINATOR	NAME OF THE REPRESENTATIVES	ROLL NO
Mr.S.Sabanayagam	V.Duraiaraj	11
CLASS COMMITTEE CHAIR PERSON	Dr. M.Melwin Jagadeesh Sridhar	

[Signature]
DEPT. TIC

[Signature]
HOD

[Signature]
21/11/2023
PRINCIPAL



DEPARTMENT OF MECHANICAL ENGINEERING

TIME TABLE (JUL 2023 - NOV 2023, ODD SEM)

B.E - MECH (R 2021) - With Effect from 27.07.2023 - Tentative Last working day: 17.11.2023

Batch:2020-2024

Year: IV -B

Strength:39

Block: II

Semester: VII

Class Room :209

Semester: VII						Class Room :209			Block: II			
Session	1	2	10.45 am - 11.00 am	3	4	12.30 pm - 01.10 pm	5	6	2.40 pm - 02.50 pm	7	8	
Day	09.15am - 10.00am	10.00am - 10.45am		11.00am - 11.45am	11.45am - 12.30pm		01.10pm - 01.55pm	01.55pm - 02.40 pm		02.50 pm - 03.35 pm	03.35pm - 04.20pm	
MON	OIE751	ME8097	BREAK	ME8792	T&P(A)	LUNCH BREAK	ME8781		BREAK	ME8781		
TUE	ME8793	ME8791		OIE751	ME8793		ME8792	ME8097		ME8791	RC	
WED	ME8097	ME8792		ME8793	ME8791		OIE751	NPTEL		ME8792	ME8793	
THU	ME8791	ME8792		PP-I	OIE751		T&P(S)	ME8712		RC	LJB	
FRI	ME8711			ME8711			ME8791	ME8793		SPORTS		
SAT	ME8792	NPTEL		ME8097	ME8791		ME8793	OIE751		ME8097	ME8712	

SUB CODE	NAME OF THE SUBJECT	CATEGORY	CREDITS	NAME OF THE STAFF	DEPT	PERIODS /WEEK
TUTORIAL (T), ELECTIVE (E)						
ME8792	Power Plant Engineering	PCC	3	Mr.H.Agilan	MECH	6
ME8793	Process Planning and Cost Estimation	PCC	3	Mr.M.Vivekananthan	MECH	6
ME8791	Mechatronics	PCC	3	Mr.V.Aravind	MECH	6
OIE751	Robotics	OE II	3	Dr.M.Melwin J Sridhar	MECH	5
ME8097	Non Destructive Testing and Evaluation	PEC III	3	Mr. M. Sakthivel	MECH	5
PRACTICAL (P)						
ME8711	Simulation & Analysis Laboratory	PC	2	Mr.K.Rajeshkumar	MECH	4
ME8781	Mechatronics Laboratory	PC	2	Mr.V.Aravind	MECH	4
ME8712	Technical Seminar	PC	1	Mr.K.Rajeshkumar	MECH	2
VALUE ADDITION INITIATIVES (VAI)						
RC	Refresher course on Automation in Manufacturing	VAI		Mr.H.Agilan	MECH	2
LIB	Library/Internet	VAI		Mr.H.Agilan Mr.V.Aravind	MECH	1
PP-I	Project Phase I	VAI		Mr.H.Agilan	MECH	1
NPTEL	SWAYAM / NPTEL	VAI		Mr.H.Agilan	MECH	2
SPORTS	Sports	VAI		Mr.H.Agilan Mr.V.Aravind	MECH	2
T&P(A)	Training and Placement (Aptitude)	VAI		Ms.P.Suganya	T&P	1
T&P(S)	Training and Placement (Soft Skills)	VAI		Dr.K.Sudhakar	T&P	1

CLASS CO-ORDINATOR	NAME OF THE REPRESENTATIVES	ROLL NO
Mr.H.Agilan	S.Balaji	29
CLASS COMMITTEE CHAIR PERSON	Mr.N.Magesh	

DEPT. TIC

HOD
25/11/23PRINCIPAL
25/11/2023



DEPARTMENT OF MECHANICAL ENGINEERING

ME201-AUTOMATION IN MANUFACTURING

REFRESHER COURSE

Semester: VII

**Prepared by
Mr.H.Agilan, AP/Mech.
Mr.S.Sabanayagam, AP/Mech.**

ME 201

Automation in Manufacturing

L T P C
2 0 0 2

UNIT -I

06

Introduction: Types and strategies of automation, pneumatic and hydraulic components circuits, Automation in machine tools, Mechanical Feeding and to changing and machine tool control transfer the automation.

UNIT -II

06

Automated flow lines: Methods of work part transport transfer Mechanical buffer storage control function, design and fabrication consideration. Analysis of Automated flow lines: General terminology and analysis of transfer lines without and with buffer storage, partial automation, implementation of automated flow lines.

UNIT -III

06

Assembly system and line balancing: Assembly process and systems assembly line, line balancing methods, ways of improving line balance, flexible assembly lines.

UNIT -IV

06

Automated material handling: Types of equipment, functions, analysis and design of material handling systems conveyor systems, automated guided vehicle systems.

Automated storage systems: Automated storage and retrieval systems; work in process storage, interfacing handling and storage with manufacturing.

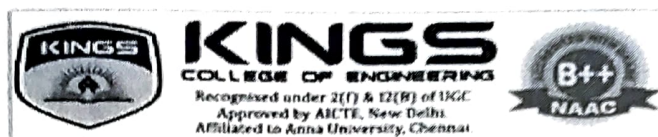
UNIT -V

06

Fundamentals of Industrial controls: Review of control theory, logic controls, sensors and actuators, Data communication and LAN in manufacturing. Business process Re-engineering: Introduction to BPE logistics, ERP, Software configuration of BPE.

Total Hours: 30


Staff i/c
HoD/Mech



DEPARTMENT OF MECHANICAL ENGINEERING

COURSE PLAN

Sub. Code	: ME 201	Branch / Year / Sem	: B.E MECH/IV/VII
Sub.Name	: Automation in Manufacturing	Batch	: 2020-2024
Staff Name	: Mr.H.Agilan & Mr.S.Sabanayagam	Academic Year	: 2023-24 (ODD)

COURSE OBJECTIVE

- To know about the Automation and types of Automations in the industries.
- To understand the different Automated flow lines in the Industries.
- To perform one or more processing and/or assembly operations on a starting raw material, part, or set of parts.
- To perform a sequence of automated or mechanized assembly operations Flexible manufacturing system (FMS)—a highly automated machine cell that produces part
- To know product families often consists of workstations comprising CNC machinetools.

Topic No	Topic	Teaching Methodology	No. of Hours Required	Cumulative No. of periods
Unit I		Introduction		(06)
1	Types and strategies of automation	BB/PPT	1	1
2	pneumatic components circuits,	BB/PPT	1	2
3	hydraulic components circuits,	BB/PPT	1	3
4	Automation in machine tools,	BB/PPT	1	4
5	Mechanical Feeding and to changing and machine tool control transfer the automation.	BB/PPT	2	6

Topic No	Topic	Teaching Methodology	No. of Hours Required	Cumulative No. of periods
Unit II		Automated flow lines		(06)
6	Methods or work part transport transfer Mechanical buffer storage control function,	BB/PPT	2	8
7	design and fabrication consideration.	BB/PPT	1	9
8	Analysis of Automated flow lines:	BB/PPT	1	10
9	General terminology and analysis of transfer lines without and with buffer storage, partial automation,	BB/PPT	1	11
10	implementation of automated flow lines	BB/PPT	1	12
Unit III		Assembly system and line balancing		(06)
11	Assembly line balancing	BB/PPT	1	13
12	Analysis of automated flow line	BB/PPT	1	14
13	Problem on Transfer line performance	BB/PPT	1	15
14	process and systems assembly line,	BB/PPT	1	16
15	line balancing methods, ways of improving line balance,	BB/PPT	1	17
16	flexible assembly lines.	BB/PPT	1	18
Unit IV		Automated material handling & Storage systems		(06)
17	Types of equipment, functions, analysis and design of material handling systems conveyor systems, automated guided vehicle systems.	BB/PPT	1	19
18	analysis and design of material handling systems conveyor systems,	BB/PPT	1	20
19	automated guided vehicle systems.	BB/PPT	1	21

Topic No	Topic	Teaching Methodology	No. of Hours Required	Cumulative No. of periods
20	Automated storage and retrieval systems	BB/PPT	1	22
21	work in process storage, interfacing handling	BB/PPT	1	23
22	storage with manufacturing.	BB/PPT	1	24
Unit IV Fundamentals of Industrial controls				(06)
23	Review of control theory,	BB/PPT	1	25
24	logic controls, sensors and actuators,	BB/PPT	1	26
25	Data communication and LAN in manufacturing.	BB/PPT	1	27
26	Business process Re-engineering:	BB/PPT	1	28
27	Introduction to BPE logistics, ERP,	BB/PPT	1	29
28	Software configuration of BPE.	BB/PPT	1	30

COURSE OUTCOME

At the end of the course, the students will be able to

- Students will understand the process of automation and types
- Students will get exposure to workstation, which refers to the location in the factory where some well-defined task or operation is accomplished by an automated machine.
- Worker-and-machine combination or a worker using hand tools
- Understand the Automated Material handling equipment's and types
- Student gets exposure on portable power tools.

INTERNAL ASSESSMENT DETAILS

TEST NO.	I	II
Topic Nos.	1-15	15-30
Date		

ASSIGNMENT (50 Marks)
(Before Test No.1)

Topics for reference: 1-15

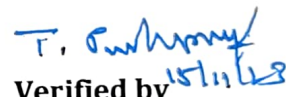
Part A (5*2=10 Marks)

1. Summarizes various types of automation in manufacturing.
2. List the features of programmable automation.
3. Mention the advantages of Industrial automation.
4. Classify the types of production.
5. What are the advantages of flexible automation?

Part B (2*20=40 Marks)

1. Briefly describe the solution for improving productivity, quality and other measures in automation.
2. Explain the working principle of hydraulic system with neat diagram.


15/11/23
Prepared by
Mr.H.Agilan &
Mr.S.Sabanayagam


15/11/23
Verified by
Dr.T.Pushparaj
HOD/Mech.

H.O.D.
DEPARTMENT OF MECHANICAL ENGINEERING
KINGS COLLEGE OF ENGINEERING
PULINCHURU



KINGS
COLLEGE OF ENGINEERING
Recognised under 2(f) & 12(B) of UGC
Approved by AICTE, New Delhi.
Affiliated to Anna University, Chennai.



DEPARTMENT OF MECHANICAL ENGINEERING
CONTINUOUS ASSESSMENT TEST I - SEPTEMBER 2023
REFRESHER COURSE - AUTOMATION IN MANUFACTURING

Class : IV - Mechanical A

Date : 16.09.2023

S. No	Reg. No	Name of the Student	Marks (100)
1	821120114001	Aadhikarunesan M	91
2	821120114003	Akash M	92
3	821120114004	Anbarasan V	90
4	821120114005	Arun E	87
5	821120114006	Arunkumar M	96
6	821120114007	Arunkumar P	89
7	821120114008	Arunkumar S	97
8	821120114009	Backiyaraj S	88
9	821120114010	Bharani S	92
10	821120114012	Dhivakar K	91
11	821120114013	Durairaj V	92
12	821120114014	Eraniyan K	90
13	821120114015	Gnanasekaran S	87
14	821120114016	Hariharan K	96
15	821120114017	Hari prasath R	89
16	821120114018	Hemanathan E	97
17	821120114020	Jayasriram V	88
18	821120114021	Jayasurya K	92
19	821120114022	Jaysrirajan A	91
20	821120114023	Jegan K	91
21	821120114025	Keerthivasan K	92
22	821120114026	Lalithkumar E	90
23	821120114027	Manibharathi V	87
24	821120114029	Manojkumar R	96
25	821120114315	Madheshwaran K	89
26	821120114316	Madhu mithiran S	97
27	821120114317	Mahendran M	88
28	821120114318	Prakash K	92
29	821120114319	Praveenkumar R	91
30	821120114320	Rakesh A	87
31	821120114321	Ramprasad K	88
32	821120114322	Sakthi ganesh G S	91
33	821120114323	Sanjay N	92
34	821120114324	Santhosh R	90
35	821120114325	Santhosh kumar P	87
36	821120114326	Sathishkumar V	96
37	821120114327	Subakaran K	89
38	821120114328	Suryabala N	97
39	821120114702	Sakthivel B	88


COURSE INCHARGE


HOD

H.O.D
DEPARTMENT OF MECHANICAL ENGINEERING
KINGS COLLEGE OF ENGINEERING
PIJALKULAM



KINGS
COLLEGE OF ENGINEERING
Recognised under 2(f) & 12(B) of UGC
Approved by AICTE, New Delhi
Affiliated to Anna University, Chennai



DEPARTMENT OF MECHANICAL ENGINEERING
CONTINUOUS ASSESSMENT TEST II - OCTOBER 2023
REFRESHER COURSE - AUTOMATION IN MANUFACTURING

Class : IV - Mechanical A

Date : 07.10.2023

S. No	Reg. No	Name of the Student	Marks (100)
1	821120114001	Aadhikarunesan M	89
2	821120114003	Akash M	97
3	821120114004	Anbarasan V	88
4	821120114005	Arun E	92
5	821120114006	Arunkumar M	91
6	821120114007	Arunkumar P	89
7	821120114008	Arunkumar S	97
8	821120114009	Backiyaraj S	88
9	821120114010	Bharani S	92
10	821120114012	Dhivakar K	89
11	821120114013	Duraiaraj V	97
12	821120114014	Eraniyan K	88
13	821120114015	Gnanasekaran S	92
14	821120114016	Hariharan K	91
15	821120114017	Hari prasath R	91
16	821120114018	Hemanathan E	92
17	821120114020	Jayasriram V	90
18	821120114021	Jayasurya K	87
19	821120114022	Jaysrirajan A	96
20	821120114023	Jegan K	89
21	821120114025	Keerthivasan K	92
22	821120114026	Lalithkumar E	90
23	821120114027	Manibharathi V	87
24	821120114029	Manojkumar R	89
25	821120114315	Madheshwaran K	97
26	821120114316	Madhu mithiran S	88
27	821120114317	Mahendran M	92
28	821120114318	Prakash K	91
29	821120114319	Praveenkumar R	87
30	821120114320	Rakesh A	88
31	821120114321	Ramprasad K	87
32	821120114322	Sakthi ganesh G S	86
33	821120114323	Sanjay N	97
34	821120114324	Santhosh R	89
35	821120114325	Santhosh kumar P	97
36	821120114326	Sathishkumar V	88
37	821120114327	Subakaran K	92
38	821120114328	Suryabala N	91
39	821120114702	Sakthivel B	87


COURSE INCHARGE


HOD

DEPARTMENT OF MECHANICAL ENGINEERING
KINGS COLLEGE OF ENGINEERING
PITAMPALUR



KINGS
COLLEGE OF ENGINEERING
Recognized under 2(F) & 12(B) of UGC
Approved by AICTE, New Delhi.
Affiliated to Anna University, Chennai.



DEPARTMENT OF MECHANICAL ENGINEERING
CONTINUOUS ASSESSMENT TEST I - SEPTEMBER 2023
REFRESHER COURSE - AUTOMATION IN MANUFACTURING

Class : IV - Mechanical B

Date : 16.09.2023

SN	Reg. No.	Name of the Student	Marks (100)
			89
1	821120114030	Maran R	97
2	821120114031	Mislar M	88
3	821120114032	Mohamed arsath A	92
4	821120114033	Mohamed rilwan H	91
5	821120114034	Praveenkumar M	89
6	821120114035	Pravin M	97
7	821120114036	Rajesh N	88
8	821120114037	Ramprasath R	92
9	821120114038	Sakthivel E	89
10	821120114039	Samikkannan M	97
11	821120114040	Santhosh R	88
12	821120114041	Santhoshkumar C	92
13	821120114042	Saravanan A	91
14	821120114043	Selvamani K	91
15	821120114044	Shanmugabharathi S	92
16	821120114045	Srikumar S	90
17	821120114046	Subash P	87
18	821120114047	Sulthan abdul kadher R	96
19	821120114048	Thangapandiyam S	89
20	821120114049	Vasanth M	92
21	821120114050	Veeramageswaran R	90
22	821120114051	Vikram S	87
23	821120114052	Vimalraj P	89
24	821120114053	Vivek A	97
25	821120114054	Vivek K	88
26	821120114301	Abinesh V	92
27	821120114302	Abishkar SV	91
28	821120114304	Aravinthakumar T	87
29	821120114305	Balaji S	88
30	821120114306	Harish ragavendra M	87
31	821120114307	Jahanraj J	86
32	821120114308	Kabil V	97
33	821120114309	Kabilan G	89
34	821120114310	Kabilan M	97
35	821120114311	Keerthivasan R	88
36	821120114312	Kishorekumar R	92
37	821120114313	Kishore kumar V	91
38	821120114314	Lenin kumar S	87
39	821120114701	Devaprasanth.N	82
40	Transfer	Manibharathi.N	86

[Signature]
COURSE INCHARGE

[Signature]
HOD

H.O.D 18/9/23

DEPARTMENT OF MECHANICAL ENGINEERING
KINGS COLLEGE OF ENGINEERING
PUNALKULAM



KINGS
COLLEGE OF ENGINEERING
Recognized under 2(f) & 12(B) of UGC
Approved by AICTE, New Delhi
Affiliated to Anna University, Chennai



DEPARTMENT OF MECHANICAL ENGINEERING
CONTINUOUS ASSESSMENT TEST II - OCTOBER 2023
REFRESHER COURSE - AUTOMATION IN MANUFACTURING

Class : IV - Mechanical B

Date : 07.10.2023

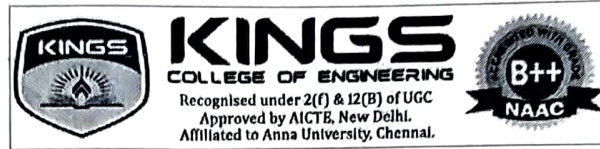
Sl.No	Reg. Number	Name	Marks (100)
1	821120114030	MARAN	91
2	821120114031	MISFAR	92
3	821120114032	MOHAMED ARSATH	90
4	821120114033	MOHAMED RILWAN	87
5	821120114034	PRAVEENKUMAR	96
6	821120114035	PRAVIN	89
7	821120114036	RAJESH	97
8	821120114037	RAMPRASATH	88
9	821120114038	SAKTHIVEL	92
10	821120114039	SAMIKKANNAN	91
11	821120114040	SANTHOSH	92
12	821120114041	SANTHOSHKUMAR	90
13	821120114042	SARAVANAN	87
14	821120114043	SELVAMANI	96
15	821120114044	SHANMUGABHARATHI	89
16	821120114045	SRIKUMAR	97
17	821120114046	SUBASH	88
18	821120114047	SULTHAN	92
19	821120114048	THANGAPANDIYAN	91
20	821120114049	VASANTH	91
21	821120114050	VEERAMAGESWARAN	92
22	821120114051	VIKRAM	90
23	821120114052	VIMALRAJ	87
24	821120114053	VIVEK	96
25	821120114054	VIVEK	89
26	821120114301	ABINESH	97
27	821120114302	ABISHKAR	88
28	821120114304	ARAVINTHAKUMAR	92
29	821120114305	BALAJI	91
30	821120114306	HARISH RAGAVENDRA	87
31	821120114307	JAHANRAJ	88
32	821120114308	KABIL	91
33	821120114309	KABILAN	92
34	821120114310	KABILAN	90
35	821120114311	KEERTHIVASAN	87
36	821120114312	KISHOREKUMAR	96
37	821120114313	KISHORE KUMAR	89
38	821120114314	LENIN KUMAR	97
39	821120114701	DEVA PRASANTH	88


COURSE INCHARGE


HOD

H.O.D

DEPARTMENT OF MECHANICAL ENGINEERING
KINGS COLLEGE OF ENGINEERING
PILNALKULAM



DEPARTMENT OF MECHANICAL ENGINEERING

ACADEMIC YEAR 2023-24 / ODD SEMESTER

Report on Refresher Course – Automation in Manufacturing

The Department of Mechanical Engineering at Kings College of Engineering organized a refresher course on “Automation in Manufacturing” for IV-year students. The course aimed to equip students with the latest knowledge and skills in the field of automation, preparing them for the challenges of modern manufacturing industries. The refresher course spanned a period of nearly four months, commencing on July 27, 2023, and concluding on November 11, 2023. The course consisted of a total of 30 hours of instruction, with an added focus on assessment through two internal exams, each of which was 3 hours in duration and carried a maximum of 100 marks. For all passed students, the E- certificate has been issued through the mail.

COURSE DETAILS

Course code &Name	: Automation in Manufacturing
Year / Semester	: IV Year/Mechanical – A & B
Course duration	: 27.07.2023 to 11.11.2023 (30 Periods)
No of students enrolled	: IV MECH A – 39; IV MECH B – 40 (Total-79)
No of students completed the course	: 79
Course Instructor	: Mr. H. Agilan & Mr. S. Sabanayagam

Course Content

The course provided a comprehensive understanding of automation in manufacturing, covering topics such as:

- Introduction to Automation
- Types of Automation
- Sensors and Actuators

- PLC Programming
- Industrial Robots
- CNC Machines
- Process Control
- Industry 4.0 and Smart Manufacturing

Course Objectives

- To provide students with a fundamental understanding of the principles and concepts of automation in manufacturing, including the use of technology and machinery to perform tasks with minimal human intervention.
- To teach students how automation can be applied to optimize manufacturing processes, reduce production time, enhance product quality, and minimize resource wastage.
- To train students in programming and controlling automated systems, including writing code for PLCs, robotics, and other automation components.
- To enhance students' ability to communicate effectively with colleagues and superiors in a manufacturing setting, especially in cross-functional teams where automation plays a crucial role.
- To help students prepare for careers in automation engineering, robotics, control systems, and related fields within the manufacturing industry by providing them with the knowledge and skills required for success.

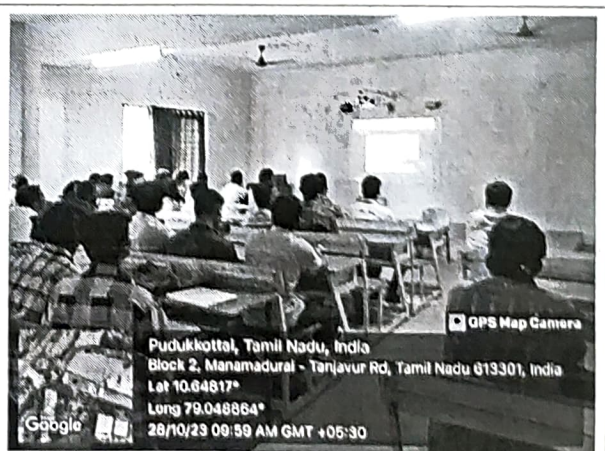
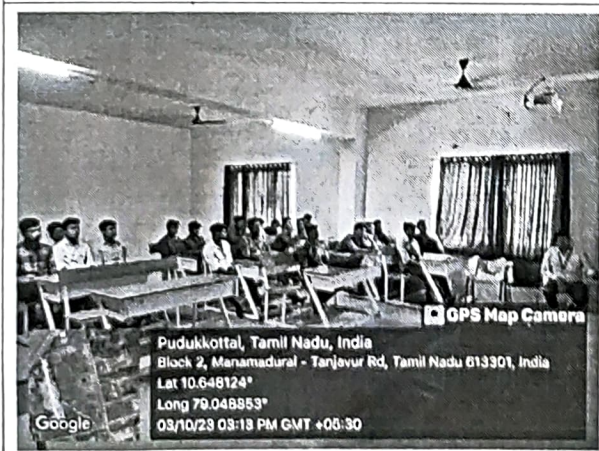
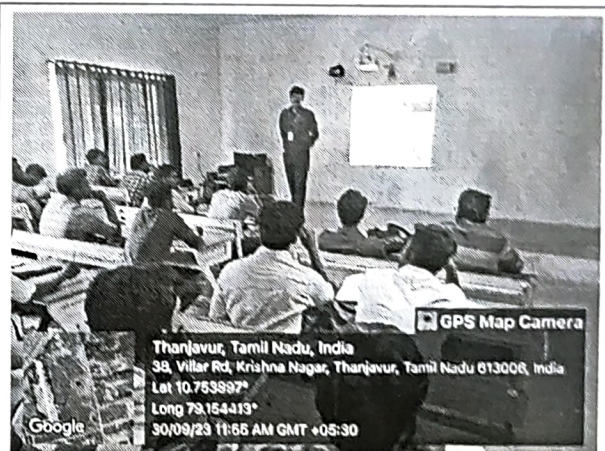
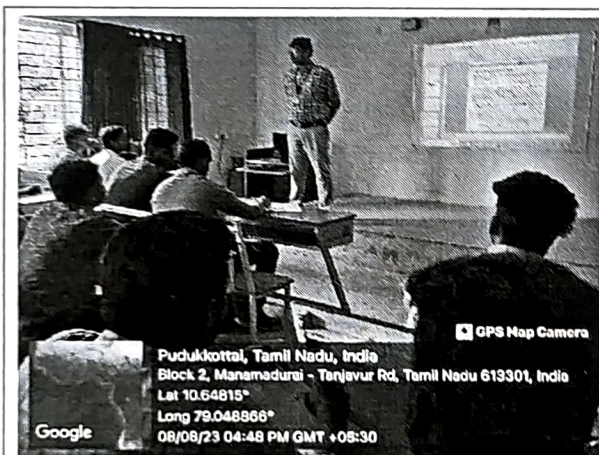
Course Outcomes

The outcomes of an automation in manufacturing course are designed to reflect the knowledge and skills that students are expected to gain upon completing the program. These outcomes demonstrate the course's effectiveness in preparing individuals for careers in the manufacturing industry with a focus on automation. Here are the expected outcomes of such a course:

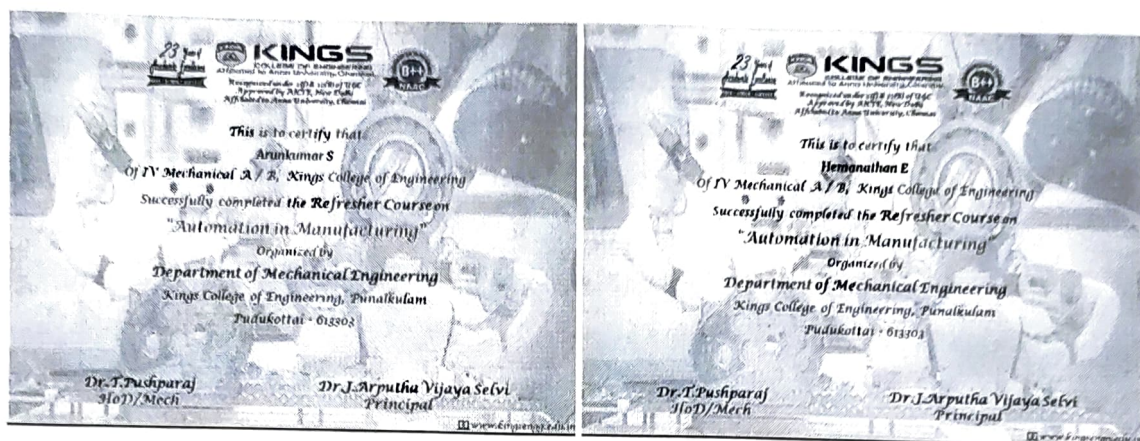
- Comprehensive Understanding: Graduates will possess a comprehensive understanding of the principles, concepts, and technologies related to automation in manufacturing.

- **Process Optimization:** Graduates will have the ability to apply automation principles to optimize manufacturing processes, leading to increased efficiency, reduced production time, and enhanced product quality.
- **Problem-Solving Skills:** Graduates will have developed problem-solving and critical thinking skills to diagnose and address issues in automated systems effectively.
- **Communication Skills:** Graduates will have enhanced communication skills to collaborate effectively within cross-functional teams in a manufacturing environment.
- **Career Preparedness:** Graduates will be well-prepared for careers in automation engineering, robotics, control systems, and related roles within the manufacturing industry, with the skills needed for success.

Course Screenshots



Sample Certificates



Feedback

Feedback has been collected from the students at the end of the course and the summary is given below:

Feedback	Excellent	Very Good	Satisfactory	Need to be Improved
Course content	47	21	08	03
Skill development	49	24	04	02
Motivation	54	21	03	01
Regularity & punctuality	48	23	08	-
Coverage of syllabus	43	24	09	03
Interaction	46	26	05	02
Individual attention	41	27	07	04
Outcome	49	18	10	02

Mr.H.Agilan
Mr.S.Sabanayagam
Staff in-charge

Dr.T.Pushparaj
HoD/Mech

Dr.J.Arputha Vijaya Selvi
Principal

DEPARTMENT OF MECHANICAL ENGINEERING
KINGS COLLEGE OF ENGINEERING
PUDUKOTTAI



KINGS

COLLEGE OF ENGINEERING
Affiliated to Anna University, Chennai.

Recognized under 2(f) & 12(B) of UGC
Approved by AICTE, New Delhi
Affiliated to Anna University, Chennai



This is to certify that
Hemanathan E
Of IV Mechanical A / B, Kings College of Engineering
Successfully completed the Refresher Course on
“Automation in Manufacturing”

Organized by
Department of Mechanical Engineering
Kings College of Engineering, Punalkulam
Pudukottai - 613303

Dr. T. Pushparaj
HoD/Mech

Dr. J. Arputha Vijaya Selvi
Principal



KINGS

COLLEGE OF ENGINEERING
Affiliated to Anna University, Chennai.



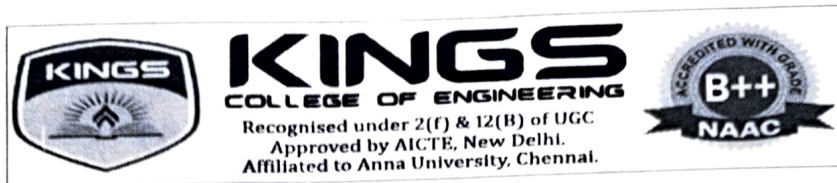
Recognized under 2(f) & 12(B) of UGC
Approved by AICTE, New Delhi
Affiliated to Anna University, Chennai

This is to certify that
Arunkumar S
Of IV Mechanical A / B, Kings College of Engineering
Successfully completed the Refresher Course on
“Automation in Manufacturing”

Organized by
Department of Mechanical Engineering
Kings College of Engineering, Punalkulam
Pudukottai - 613303

Dr. T. Pushparaj
HOD/Mech

Dr. J. Arputha Vijaya Selvi
Principal



DEPARTMENT OF MECHANICAL ENGINEERING

ACADEMIC YEAR 2023-24 (EVEN)

Date : 11.03.2024

CIRCULAR

As a part of skill enhancement of student community, the Department of Mechanical Engineering has planned to conduct the "Certificate Course" (**Advanced Welding Technologies**) For second year students from 13.03.2024 at Mechanical ICT Class Room (207). Interested second year students are requested to register their name to Mr.R.Rajadurai, AP/MECH and Mr.S.Nelsonraja AP/MECH on or before 12.03.2024.

S.R. 11/3/24
Chandrasekar 11/3/24
Coordinators

(Mr.R.Rajadurai, AP/MECH &
Mr. S.Nelsonraja , AP/MECH)

T. R. Ramesh 11/3/24
HOD/MECH
H.O.D.

DEPARTMENT OF MECHANICAL ENGINEERING
KINGS COLLEGE OF ENGINEERING
PILAIKULAM

Department of Mechanical Engineering

Academic year 2023-24 EVEN /Batch:2022-26

CERTIFICATE COURSE SYLLABUS (ADVANCED WELDING TECHNOLOGIES)

Course Objectives:

- To learn various concepts related to welding, its application.
- To have practical purview of various welding process, welding standards, advanced welding process.
- Graduates will understand the importance of professional behavior and life-long learning, and will meet the challenges of continued technological growth within the field.

UNIT I

INTRODUCTION TO WELDING AND JOINING PROCESSES:

Introduction to consolidation processes, Classification of welding processes, some common concerns, types of fusion welds and types of joints, Design considerations, Heat effects, Weld ability and join ability. Welding terms and definitions, welding positions, elements of and construction of welding symbols.

UNIT II

WELDING METALLURGY:

Fundamentals of physical metallurgy: Need, phase diagrams: Fe-C, Al-Cu, Cu-Zn system, phase transformations in Fe-C system, TTT diagram, CCT diagram, carbon equivalent, Schaffer diagram, relevance of above in welding

UNIT III

WELD JOINT PREPARATION AND TEMPERATURE CONTROL:

Checks prior to weld joint preparation, joint preparation checks, preheating and interpass heating, post weld heating, heating processes, post heat treatments, insulation of heated joints.

UNIT IV

RESISTANCE AND SOLID STATE WELDING PROCESSES:

Theory of resistance welding: Heating, pressure, current and current control, power supply. Resistance welding processes: Resistance spot welding, resistance seam welding, Projection welding.

UNIT V

WELDMENT INSPECTION AND TESTING:

Codes governing welding inspection: Structural welding code; ASME boiler and pressure vessel code, spot examination of welded joints, duties of the inspector, ASTM standards, API standards b. Chemical, Metallurgical, and Mechanical testing of weldments: Comparison of destructive and non-destructive tests, chemical tests, forms of corrosion, testing for corrosion resistance, metallographic tests.

Kings College of Engineering, Punalikulam

REFERENCES:

1. DeGarmo's Materials and processes in Manufacturing
2. Lancaster J F, "Metallurgy of welding", Allen and Unwin Co.
3. K Esterling, "Introduction to Physical Metallurgy"
4. "Welding Handbook", Volumes 1, 2 and 3, 9th edition, American Welding Society

Course Outcomes:

After learning the course the students should be able to:

- Students will understand the theoretical aspects of welding technology in depth.
- Students will be able to intelligently select the appropriate welding process for a particular application.
- Students will be able to describe the basic metallurgy of the melted and heat-affected zone of a metal or alloy.
- Students will be able to identify the cause of welding defects and avoid them.
- Students will be able to choose or adjust welding parameters and techniques to optimize the weldment properties.
- Students will demonstrate their ability to check the weldment quality using various inspection and testing methods.

[Signature] 13/3/24
Course in charge

[Signature]
HoD/Mechanical 13/3/24

H O D
DEPARTMENT OF MECHANICAL ENGINEERING
KINGS COLLEGE OF ENGINEERING
PUNALIKULAM



DEPARTMENT OF MECHANICAL ENGINEERING

ACADEMIC YEAR 2023 - 24 (EVEN SEMESTER)

CERTIFICATE COURSE REPORT

Year / Sem : II-MECH / 04

Course Name: "Advanced Welding Technologies"

Venue : Mechanical Smart Class room.

Duration : March 2024 - May 2024

Objective of the certificate Course:

- The objectives of a Basic Mechanical Engineering course are designed to provide students with a foundational understanding of fundamental principles and concepts in the field of welding technology.
- To Familiarize the students in significance of broader field of mechanical engineering.
- To know the properties and behaviour of the materials used in different temperature and different types welding.

Methodology:

- Action plan of the certificate course is prepared well in advance by the senior faculty and get it approved by Head of the Department.
- Handle the lecture class with multimedia presentations, visual aids, and demonstrations.
- Provide the opportunities to students to work with equipment, instruments, and tools commonly used in mechanical engineering.
- Use different evaluation methods such as quizzes, exams, assignments, and projects.

Session Details:

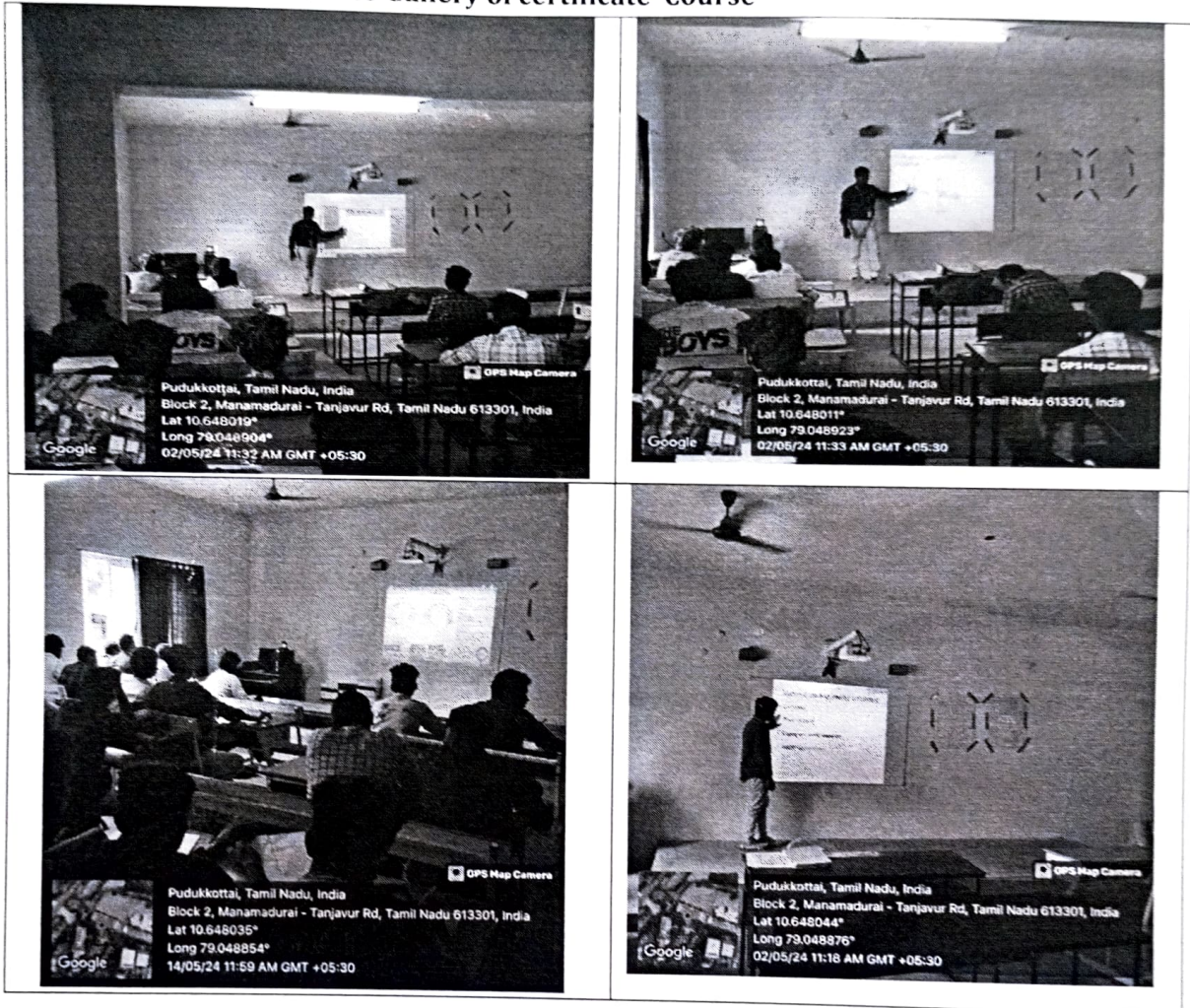
Dr.T.Pushparaj, HOD, Department of Mechanical Engineering delivered the welcome address for the "Certificate Course on **Advanced Welding Technologies**" for second year students. He highlighted the importance of Advanced Welding Technologies; outcome based education and shared his experience with the students.

Mr.R.Rajadurai, Assistant Professor, Department of Mechanical Engineering enlightened second year students about the basics of welding technology compare with advanced technologies. He also explained the practical subjects to effectively handle sessions for a basic mechanical engineering course.

Mr.S.Nelsonraja, Assistant Professor, Department of Mechanical Engineering handled an activity based session for second year students on basics of mechanical

engineering and also comprehend foundational concepts. Share additional resources, recommended online materials for students and discuss the practical applications and relevance of the basics being covered.

Photo Gallery of certificate Course



Outcome of the certificate Course:

- Students understand the fundamentals of welding and their applications.
- Students are able to find the welding defects and its remedies.
- Gained the knowledge about ethical and professional responsibilities associated with mechanical engineering.

S. Rajadurai
17/6/24
Coordinators

(Mr.R.Rajadurai, AP/MECH &
Mr.S.Nelsonraja, AP/MECH)

T. P. R. R. R.
17/6/24
HOD/Mech

DEPARTMENT OF MECHANICAL ENGINEERING
SINGO COLLEGE OF ENGINEERING
PUDUKKOTAI

J. R. R.
17/6/2024
Principal

Certificate Course Mark Statement

Course Name : Advanced Welding Technologies

Class: II Mechanical / IV Semester

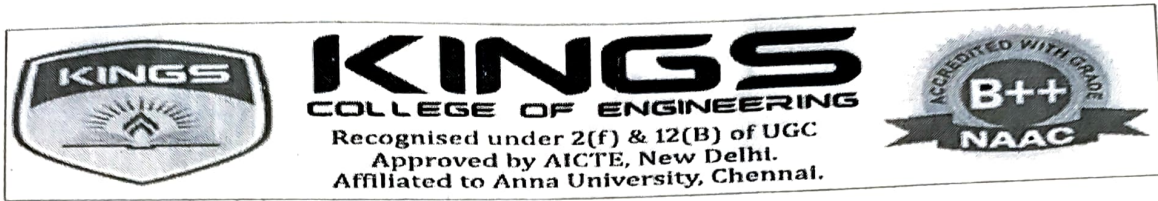
Batch: 2022-2026

R. No.	Register Number	Student Name	Marks
1	821122114001	AANESTRAJ B	78
2	821122114002	ABDULHAKKIM S	80
3	821122114003	AJAY A	78
4	821122114005	AKASH P	88
5	821122114006	AKASH S	88
6	821122114007	ANANDAN P	89
7	821122114008	ARUNASH M	88
8	821122114009	ASHWINKUMAR A	95
9	821122114012	BALANJEFRINKISHORE J	96
10	821122114013	BHUVANESHWARAN J D	66
11	821122114014	BRAMMA R	58
12	821122114015	DEEPAKKUMAR K	64
13	821122114016	DEVARAJAN D	80
14	821122114017	DHANUSH S	62
15	821122114018	DHIVYAKUMAR P S	88
16	821122114020	GOWTHAM A	70
17	821122114021	HARISH K	66
18	821122114023	KISHORE S	61
19	821122114024	KISHORE SHIVAN K	80
20	821122114025	MAHENDRAN C	90
21	821122114026	MANIKANDAN S	91
22	821122114028	MANOBALA B	80
23	821122114029	MATHUBALA G	80
24	821122114030	MUGESH P	88
25	821122114031	MUKESH S	69
26	821122114032	MURALITHARAN M	90
27	821122114033	PERARASAN G	78
28	821122114034	PRABHU M	92
29	821122114035	PREMKUMAR L	70
30	821122114036	RAGAVAN R	80
31	821122114037	RAMANAN C	81
32	821122114038	RANJITH A	83
33	821122114039	SAKTHIVENDAN M	70
34	821122114040	SANJAY C	90
35	821122114042	SANTHOS PRIYAN P	79
36	821122114043	SARVESWARAN S	81
37	821122114044	SAVYASAZIN J	65
38	821122114045	SENTHAMIL SELVAN B	80
39	821122114046	SHANMUGARAJAN K	78
40	821122114047	SIVA M	79
41	821122114048	SIVARAMAKRISHNAN B	91

42	821122114051	SUDHARSHAN V	70
43	821122114052	SUDHARSON P	86
44	821122114053	SUNILJOY P	98
45	821122114054	TAMILMARAN S	78
46	821122114055	THIRUMURUGAN S	91
47	821122114056	UVAN SANKAR VEL A	77
48	821122114057	VARUN T	82
49	821122114058	VASANTHHARIHARAN K	79
50	821122114059	VEERAVEL S	63
51	821122114060	VELMURUGAN G	69
52	821122114061	VIGNESHWARAN N	81
53	821122114062	VIJAYARAGAVAN V	78
54	821122114063	YASWANTH S	76
55	821122114501	MOHESHKUMAR M	88
56	821122114301	AABEL G	90
57	821122114302	ABINESH A	79
58	821122114303	BALAJI N	93
59	821122114304	BALAMURUGAN A	89
60	821122114305	GOPINATH K	98
61	821122114306	SIPRIYANGEORGE G	78
62	821122114307	THILAGAN B	94
63	821122114308	VEDHA S	98

[Signature]
Staff Incharge

T. P. [Signature]
HoD/MECH 17/6
H O D
DEPARTMENT OF MECHANICAL ENGINEERING
KINGS COLLEGE OF ENGINEERING
PUNALKULAM



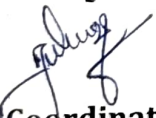
DEPARTMENT OF MECHANICAL ENGINEERING

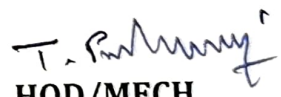
ACADEMIC YEAR 2023-24 (EVEN)

Date: 05.02.2024

CIRCULAR

As a part of skill enhancement of student community, the Department of Mechanical Engineering has planned to conduct the "My Credit Course" for final year students from 12.02.2024. Interested final year students are requested to register their name in Swayam wed portal or app on or before 09.02.2024.


Coordinator
(Mr.K.Rajesh Kumar)
(AP/MECH)


HOD/MECH
H.O.D.
DEPARTMENT OF MECHANICAL ENGINEERING
KINGS COLLEGE OF ENGINEERING
PINALKULAM

DEPARTMENT OF MECHANICAL ENGINEERING
Academic year 2023-24 Even / Batch:2020-24

MY CREDIT COURSE CONTENT

Course Code: BME-025

Course Name: Condition Monitoring and Maintenance Management

Course Outline:

Week 1: Functions and Objectives of Maintenance

Week 2: Maintenance Strategies

Week 3: Maintenance Schedules

Week 4: Spare Parts Management

Week 5: Diagnostic Maintenance

Week 6: Condition Monitoring and Trend Analysis

Week 7: Maintenance Models

Week 8: Total Productive Maintenance and Japanese Concept of Kaizen


Course Coordinator


HoD/Mechanical

H.O.D
DEPARTMENT OF MECHANICAL ENGINEERING
KINGS COLLEGE OF ENGINEERING
RIINALKULAM



KINGS

COLLEGE OF ENGINEERING

Recognised under 2(f) & 12(B) of UGC
Approved by AICTE, New Delhi.
Affiliated to Anna University, Chennai.



DEPARTMENT OF MECHANICAL ENGINEERING

Academic Year 2023-24 EVEN /Batch:2020-2024

My Credit Course Mark Statement

Course Name : Condition Monitoring and Maintenance Management

Year/SEM: IV / VIII

Batch: 2020-2024

R. No.	Register Number	Student Name	Marks
1	821120114001	AADHIKARUNESAN M	80
2	821120114003	AKASH M	85
3	821120114004	ANBARASAN V	92
4	821120114005	ARUN E	86
5	821120114006	ARUNKUMAR M	94
6	821120114007	ARUNKUMAR P	91
7	821120114008	ARUNKUMAR S	86
8	821120114009	BACKIYARAJ S	97
9	821120114010	BHARANI S	86
10	821120114012	DHIVAKAR K	88
11	821120114013	DURAIRAJ V	81
12	821120114014	ERANIYAN K	97
13	821120114015	GNANASEKARAN S	86
14	821120114016	HARIHARAN K	88
15	821120114017	HARIPRASATH R	89
16	821120114018	HEMANATHAN E	95
17	821120114020	JAYASRIRAM V	93
18	821120114021	JAYASURYA K	82
19	821120114022	JAYSRI RAJAN A	97
20	821120114023	JEGAN K	89
21	821120114025	KEERTHIVASAN K	90
22	821120114026	LALITHKUMAR E	82
23	821120114027	MANIBHARATHI V	86
24	821120114029	MANOJKUMAR R	91
25	821120114315	MADHESHWARAN K	92
26	821120114316	MADHUMITHIRAN S	93
27	821120114317	MAHENDRAN M	82
28	821120114318	PRAKASH K	85
29	821120114319	PRAVEENKUMAR R	91
30	821120114320	RAKESH A	87
31	821120114321	RAMPRASAD K	90
32	821120114322	SAKTHIGANESH G S	88
33	821120114323	SANJAY N	94
34	821120114324	SANTHOSH R	86
35	821120114325	SANTHOSHKUMAR P	85
36	821120114326	SATHISHKUMAR V	NA

T. P. R. R. R.
H.O.D.

DEPARTMENT OF MECHANICAL ENGINEERING
KINGS COLLEGE OF ENGINEERING
PUNALKULAM

37	821120114327	SUBAKARAN K	NA
38	821120114328	Subakaran K	84
39	821120114702	SAKTHIVEL B	85
40	821120114030	MARAN R	91
41	821120114031	MISFAR M	87
42	821120114032	MOHAMED ARSATH A	83
43	821120114033	MOHAMED RILWAN H	91
44	821120114034	PRAVEENKUMAR M	86
45	821120114035	PRAVIN M	92
46	821120114036	RAJESH N	84
47	821120114037	RAMPRASATH R	89
48	821120114038	SAKTHIVEL E	84
49	821120114039	SAMIKKANNAN M	83
50	821120114040	SANTHOSH R	95
51	821120114041	SANTHOSHKUMAR C	94
52	821120114042	SARAVANAN A	93
53	821120114043	SELVAMANI K	97
54	821120114044	SHANMUGABHARATHI S	95
55	821120114045	SRIKUMAR S	87
56	821120114046	SUBASH P	83
57	821120114047	SULTHAN ABDUL KADHER R	94
58	821120114048	THANGAPANDIYAN S	91
59	821120114049	VASANTH M	97
60	821120114050	VEERAMAGESWARAN R	83
61	821120114051	VIKRAM S	84
62	821120114052	VIMALRAJ P	86
63	821120114053	VIVEK A	87
64	821120114054	VIVEK K	86
65	821120114301	ABINESH A	NA
66	821120114302	ABISHKAR SV	95
67	821120114304	ARAVINTHAKUMAR T	82
68	821120114305	BALAJI S	86
69	821120114306	HARISH RAGAVENDRA M	87
70	821120114307	JAHANRAJ J	94
71	821120114308	KABIL V	91
72	821120114309	KABILAN G	92
73	821120114310	KABILAN M	96
74	821120114311	KEERTHIVASAN R	89
75	821120114312	KISHOREKUMAR R	87
76	821120114313	KISHORE KUMAR V	83
77	821120114314	LENIN KUMAR S	87
78	821120114701	DEVA PRASANTH N	89
79	Transfer	MANIBHARATHI N	87


Course Coordinator


HoD/MECH
H.O.D
DEPARTMENT OF MECHANICAL ENGINEERING
KINGS COLLEGE OF ENGINEERING
PINALKULAM

DEPARTMENT OF MECHANICAL ENGINEERING

ACADEMIC YEAR 2023 - 24 (EVEN SEMESTER)

MY CREDIT COURSE REPORT

Year / Sem : IV / 08

Course Name: Condition Monitoring and Maintenance Management

Source : Swayam app

Venue : Mechanical Smart Class room.

Duration : 12-02-2024 to 24-04-2024

Objective of the My Credit Course:

- The objectives of a condition monitoring and maintenance management course are designed to provide students with a foundational understanding of fundamental principles and concepts of maintenance management in the field of mechanical engineering.
- Familiarize students with the role and significance of mechanical engineering in the broader field of engineering.
- To know the monitoring and maintenance system of industrial management.
- To understand the students to the ethical and professional responsibilities associated with mechanical engineering.

Session Details:

Dr.T.Pushparaj, HOD, Department of Mechanical Engineering delivered the welcome address for the “My Credit Course on Condition Monitoring and Maintenance Management” for final year students. He highlighted the importance of mechanical knowledge; outcome based education and shared his experience with the students.

Mr.K.Rajesh Kumar, Assistant Professor, Department of Mechanical Engineering enlightened final year students about the condition monitoring and maintenance management course. He also explained the rules and regulations of practical subjects to effectively handle sessions for a condition monitoring and maintenance management course.

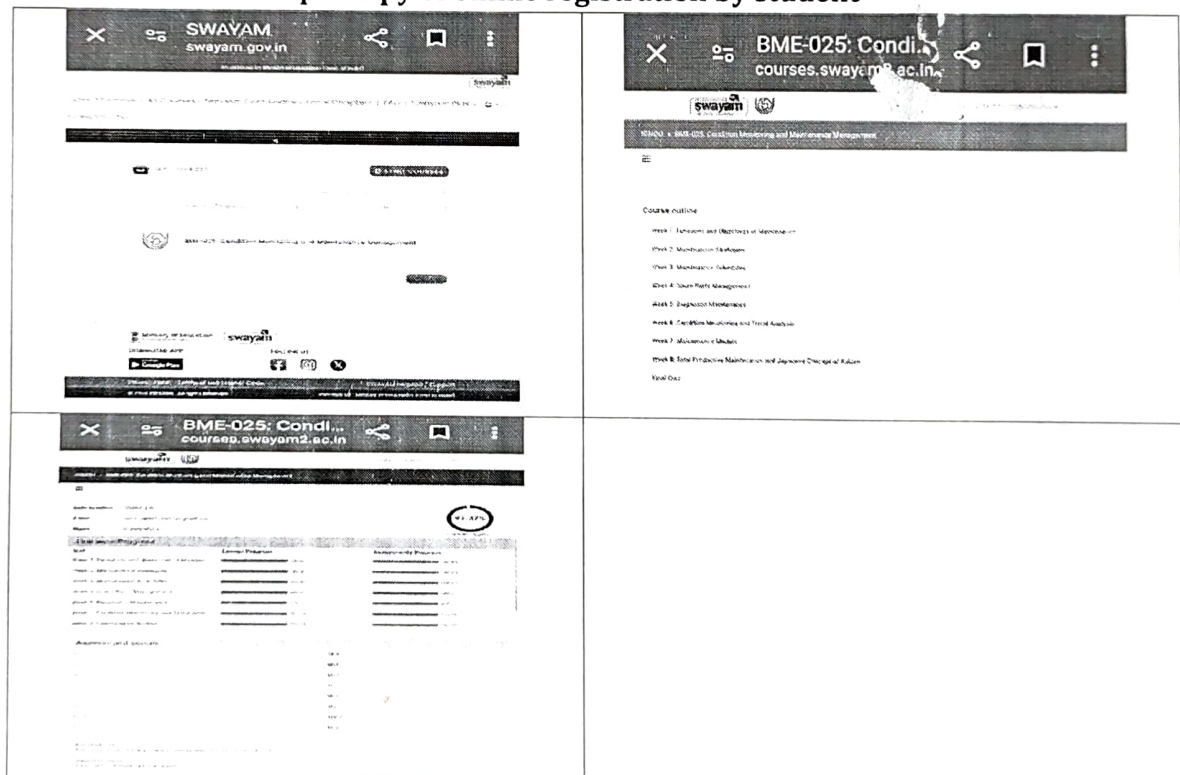
Outcome of the My Credit Course:

- Students understand the fundamental engineering principles and their applications of maintenance management.
- Gained the knowledge about ethical and professional responsibilities associated with mechanical engineering.

Photo gallery of My Credit Course



Sample copy of online registration by student



[Signature]
Coordinator
(Mr.K.Rajesh Kumar)
(AP/MECH)

[Signature]
HOD/Mech
17/2/24

[Signature]
Principal
01/7/2024

H.O.D
DEPARTMENT OF MECHANICAL ENGINEERING
KINGS COLLEGE OF ENGINEERING
PUNALKULAM



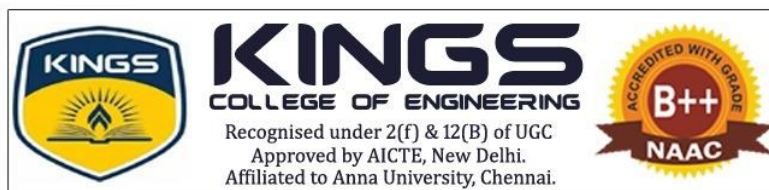
DEPARTMENT OF SCIENCE AND HUMANITIES

ACADEMIC YEAR 2023-2024

1.2.2 - Universal Human Values

Cell



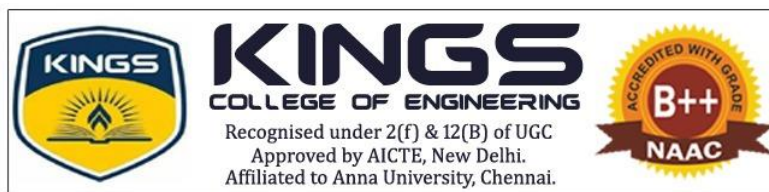


Department of Science and Humanities

Universal Human Values

Content

S.No	Particulars
1	UHV Module -I 2023-2024



UNIVERSAL HUMAN VALUES

Students would get an initial exposure to human values through Universal Human Values – I.

OBJECTIVE:

The objective of the course is four fold:

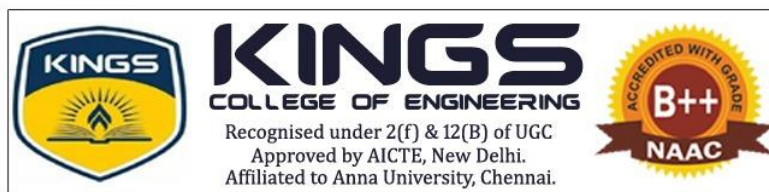
1. Development of a holistic perspective based on self-exploration about themselves (human being), family, society and nature/existence.
2. Understanding (or developing clarity) of the harmony in the human being, family, society and nature/existence
3. Strengthening of self-reflection.
4. Development of commitment and courage to act.

Course Duration: 30 Hours during academic Year

Expert Lecture Session scheduled

A handwritten signature in blue ink, followed by the text 'UHV Coordinator' and the date '11/9/23'.

UHV Coordinator 11/9/23



COURSE TOPICS:

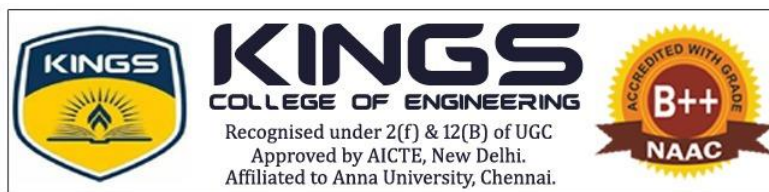
The course has 30 hrs lectures in one module:

Course Introduction - Need, Basic Guidelines, Content and Process for Value Education

1. Purpose and motivation for the course, recapitulation from Universal Human Values-I
2. Self-Exploration-what is it? - Its content and process; 'Natural Acceptance' and Experiential Validation- as the process for self-exploration
3. Continuous Happiness and Prosperity- A look at basic Human Aspirations
4. Right understanding, Relationship and Physical Facility- the basic requirements for fulfillment of aspirations of every human being with their correct priority
5. Understanding Happiness and Prosperity correctly- A critical appraisal of the current scenario
6. Method to fulfill the above human aspirations: understanding and living in harmony at various levels.
7. Understanding the needs of Self ('I') and 'Body' - happiness and physical facility
8. Understanding the Body as an instrument of 'I' (I being the doer, seer and enjoyer)
9. Understanding the characteristics and activities of 'I' and harmony in 'I'
10. Understanding the harmony of I with the Body: Sanyam and Health; correct appraisal of Physical needs, meaning of Prosperity in detail
11. Programs to ensure Sanyam and Health.
12. Understanding the meaning of Trust; Difference between intention and competence
13. Understanding the harmony in the society (society being an extension of family)
14. Holistic perception of harmony at all levels of existence.
15. Natural acceptance of human values

This course is to be taught by faculty members from every department.


UHV Coordinator



OUTCOME OF THE COURSE

By the end of the course, students are expected to become more aware of themselves, and their surroundings (family, society, nature); they would become more responsible in life, and in handling problems with sustainable solutions, while keeping human relationships and human nature in mind.

They would have better critical ability, also become sensitive to their commitment towards what they have understood (human values, human relationship and human society). It is hoped that they would be able to apply what they have learnt to their own self in different day-to-day settings in real life, at least a beginning would be made in this direction.


UHV Coordinator

05.09.2023

KCE

From

Dr.V.Sureshkumar

HoD / S&H

Kings College of Engineering

Punalkulam

To

The Principal

Kings College of Engineering

Punalkulam

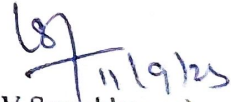
Respected Madam,

Sub: Requesting to organize Students induction programme and UHV programme – reg:

As per Anna University guidelines we planned to organize Students induction programme and UHV programme for the first year students of academic year 2023-2024 from 11.09.23 to 22.09.23. Kindly give permission for the same.

Thanking you

Yours sincerely


(Dr.V.Sureshkumar)

J. Mounthi
11/9/2023

DEPARTMENT OF SCIENCE & HUMANITIES

ADD ON PROGRAMS / CERTIFICATE COURSE DURING THE ACADEMIC YEAR

Academic Year 2023-24	
Syllabus, Course Plan, Time table, Evaluation, Certificate, Outcome	
S.No	COURSE TITLE
1.	Universal Human Values (UHV) Module - I


Faculty In-Charge


HOD/S&H


PRINCIPAL



DEPARTMENT OF SCIENCE & HUMANITIES

ADD ON PROGRAMS / CERTIFICATE COURSE DURING THE ACADEMIC YEAR

Academic Year 2023-24			
S.No	COURSE TITLE	NO. HOURS HANDLED	NO. OF STUDENTS ATTENDED
1.	Universal Human Values (UHV) Module - I	30	325

Total No. of Add-On courses organized : 1

No. of Students Attended :325

[Signature]
Faculty In-Charge

[Signature]
HOD/S&H

[Signature]
PRINCIPAL



Year: I Semester: I SECTION: CSE A Class Room : 228

Session	1	2	10.45 am - 11.00 am	3	4	12.30 Pm - 01.10 Pm	5	6	2.40 p.m - 2.50 pm	7	8
Day	09.15am - 10.00am	10.00am - 10.45am		11.00am - 11.45am	11.45am - 12.30pm		01.10pm - 1.55pm	1.55pm - 02.40pm		02.50pm - 03.35pm	03.35pm - 04.20pm
11.09.23	Induction day		BREAK	Inaugural		LUNCH BREAK	CC interaction		BREAK	HoD Interaction	
12.09.23	YOGA(Pranayama)			YOGA(Pranayama)			YOGA(Stress Management)			YOGA(Stress Management)	
13.09.23	YOGA(Practice and benefits)			YOGA(Practice and benefits)			DF			DF	
14.09.23	YRC, RRC &CCC			Motivational talk			SWAYAM			NCC	
15.09.23	Local Area			Visit			CCC programme			PED	
19.09.23	Library			Women Cell programme			UHV			UHV	
20.09.23	UHV			NSS			GSC Programme			PED	
21.09.23	Literary			Motivational talk			DSA			DSA	
22.09.23	FAA			FAA			Alumni interaction			Valedictory	

NAME OF THE ACTIVITY	HOURL	NAME OF THE STAFF / RESOURCE PERSON	DEPT
Induction day	4	Mrs.T.Gnanajeya	1 year coordinator
HoD Interaction	2	Dr.V.Sureshkumar	HoD S&H
CC Interaction	2	Dr.G.Jeykrishnan	Mathematics
Literary Activities	2	Dr.M.Yasotha	English
YOGA	12	Manavalakalai Mandra Arakkattalai, Thanjavur	Yoga Professors
Motivational Talk	4	Dr.Kumaran Rtd.Prof Department of Tamil, A.V.V.M Sri Puspam College Dr.R.Kamaraj, Asst.Prof, Dept.of Litreature, Tamil University, Thanjavur	-
Department Familiarization	4	HoD / Senior Staff members	CSE
Department Specific Activities	4	Staff Members	CSE
UHV Programme	6	Dr.S,Sivakumar Vice Principal. KCE Dr.K.Abirami, IQAC Coordinator Dr.T.Shanthi AP	EEE CSE ECE
SWAYAM	2	Dr.P.Narasimman	EEE
Physical Activity	4	Mr.V.Rajendran	PED
Creative Arts and Culture	4	Mr.R.Sathyaraj	FAA
GSC Programme	2	Dr.N.Mahesan, Kumbakonam	Extension activities
Local Area Visit	4	Dr.S.Udayakumar & Mrs.T.Gnanajeya	S&H
NSS, NCC, YRC&CCC	6	Programme Officer / Coordinators	Extension activities
Women Cell & CCC	4	Dr.Rani Gurumoorthy M.D DGO , Rtd.Professor of OG Sivpreethi Hospital, Thanjavur. Mr.R.U.Raman, Live Stock Inspector(Rts) Vice President, District CCC Association , Pudukkottai	Extension activities
Alumni Interaction	2	Mr.P.Rajapriyan	Alumni cell
Library	2	Mr.V.Srinivasan	Library
Valedictory	2	Dr.V.Sureshkumar & Mrs.T.Gnanaieva	S&H

J. R. R. R.
9/9/23
Principal

DEPARTMENT OF SCIENCE AND HUMANITIES
TIME TABLE (Induction Programme as per 2021 Regulation)
B.E – With Effect from 11.09.2023

Batch:2023-2027

Year: I

Semester: I

SECTION: CSE B

Class Room : 229

Session	1	2	10.45 am - 11.00 am	3	4	12.30 Pm - 01.10 Pm	5	6	2.40 p.m - 2.50 pm	7	8
Day	09.15am - 10.00am	10.00am - 10.45am		11.00am - 11.45am	11.45am - 12.30pm	01.10 Pm	01.10pm - 1.55pm	1.55pm - 02.40pm	02.50pm - 03.35pm	03.35pm - 04.20pm	
11.09.23	Induction day		BREAK	Inaugural		LUNCH BREAK	CC interaction		BREAK	HoD Interaction	
12.09.23	YOGA(Pranayama)			YOGA(Pranayama)			YOGA(Stress Management)			YOGA(Stress Management)	
13.09.23	YOGA(Practice and benefits)			YOGA(Practice and benefits)			DF			DF	
14.09.23	YRC, RRC & CCC			Motivational talk			SWAYAM			NCC	
15.09.23	Local Area			Visit			CCC programme			PED	
19.09.23	Library			Women Cell programme			UHV			UHV	
20.09.23	UHV			NSS			GSC Programme			PED	
21.09.23	Literary			Motivational talk			DSA			DSA	
22.09.23	FAA			FAA			Alumni interaction			Valedictory	

NAME OF THE ACTIVITY	HOURL	NAME OF THE STAFF / RESOURCE PERSON	DEPT
Induction day	4	Mrs.T.Gnanajeya	I year coordinator
HoD Interaction	2	Dr.V.Sureshkumar	HoD S&H
CC Interaction	2	Dr.P.Saravanan	Chemistry
Literary Activities	2	Dr.M.Yasotha	English
YOGA	12	Manavalakalai Mandra Arakkattalai, Thanjavur	Yoga Professors
Motivational Talk	4	Dr.Kumaran Rtd.Prof Department of Tamil, A.V.V.M Sri Puspam College Dr.R.Kamaraj, Asst.Prof, Dept.of Litature, Tamil University, Thanjavur	-
Department Familiarization	4	HoD / Senior Staff members	CSE
Department Specific Activities	4	Staff Members	CSE
UHV Programme	6	Dr.S,Sivakumar Vice Principal. KCE Dr.K.Abirami, IQAC Coordinator Dr.T.Shanthi AP	EEE CSE ECE
SWAYAM	2	Dr.P.Narasimman	EEE
Physical Activity	4	Mr.V.Rajendran	PED
Creative Arts and Culture	4	Mr.R.Sathyaraj	FAA
GSC Programme	2	Dr.N.Mahesan, Kumbakonam	Extension activities
Local Area Visit	4	Dr.S.Udayakumar & Mrs.T.Gnanajeya	S&H
NSS, NCC, YRC&CCC	6	Programme Officer / Coordinators	Extension activities
Women Cell & CCC	4	Dr.Rani Gurumoorthy M.D DGO , Rtd.Professor of OG Sivpreethi Hospital, Thanjavur. Mr.R.U.Raman, Live Stock Inspector(Rts) Vice President, District CCC Association , Pudukkottai	Extension activities
Alumni Interaction	2	Mr.P.Rajapriyan	Alumni cell
Library	2	Mr.V.Srinivasan	Library
Valedictory	2	Dr.V.Sureshkumar & Mrs.T.Gnanajeya	S&H

S&H Coordinator
9/9/23

I Year Coordinator
9/9/23

HoD S&H
9/9/23

Principal
9/9/23



DEPARTMENT OF SCIENCE AND HUMANITIES
TIME TABLE (Induction Programme as per 2021 Regulation)
B.E – With Effect from 11.09.2023

Batch:2023-2027

Year: I

Semester: I

SECTION: AI & DS

Class Room : 224

Session	1	2	10.45 am - 11.00 am	3	4	12.30 Pm - 01.10 Pm	5	6	2.40 p.m - 2.50 pm	7	8
Day	09.15am - 10.00am	10.00am - 10.45am		11.00am - 11.45am	11.45am - 12.30pm		01.10pm - 1.55pm	1.55pm - 02.40pm		02.50pm - 03.35pm	03.35pm - 04.20pm
11.09.23	Induction day		BREAK	Inaugural		LUNCH BREAK	CC interaction		BREAK	HoD Interaction	
12.09.23	YOGA(Pranayama)			YOGA(Pranayama)			YOGA(Stress Management)			YOGA(Stress Management)	
13.09.23	YOGA(Practice and benefits)			YOGA(Practice and benefits)			DF			DF	
14.09.23	YRC, RRC & CCC			Motivational talk			SWAYAM			NCC	
15.09.23	Local Area			Visit			CCC programme			PED	
19.09.23	Library			Women Cell programme			UHV			UHV	
20.09.23	UHV			NSS			GSC Programme			PED	
21.09.23	Literary			Motivational talk			DSA			DSA	
22.09.23	FAA			FAA			Alumni interaction			Valedictory	

NAME OF THE ACTIVITY	HOUR	NAME OF THE STAFF / RESOURCE PERSON	DEPT
Induction day	4	Mrs.T.Gnanajeya	I year coordinator
HoD Interaction	2	Dr.V.Sureshkumar	HoD S&H
CC Interaction	2	Dr.V.Vijayalakshmi	Mathematics
Literary Activities	2	Dr.M.Yasothea	English
YOGA	12	Manavalakalai Mandra Arakkattalai, Thanjavur	Yoga Professors
Motivational Talk	4	Dr.Kumaran Rtd.Prof Department of Tamil, A.V.V.M Sri Puspam College Dr.R.Kamaraj, Asst.Prof, Dept.of Litreature, Tamil University, Thanjavur	-
Department Familiarization	4	HoD / Senior Staff members	CSE
Department Specific Activities	4	Staff Members	CSE
UHV Programme	6	Dr.S.Sivakumar Vice Principal. KCE Dr.K.Abirami, IQAC Coordinator Dr.T.Shanthi AP	EEE CSE ECE
SWAYAM	2	Dr.P.Narasimman	EEE
Physical Activity	4	Mr.V.Rajendran	PED
Creative Arts and Culture	4	Mr.R.Sathyaraj	FAA
GSC Programme	2	Dr.N.Mahesan, Kumbakonam	GSC
Local Area Visit	4	Dr.S.Udayakumar & Mrs.T.Gnanajeya	S&H
NSS, NCC, YRC&CCC	6	Programme Officer / Coordinators	Extension activities
Women Cell & CCC	4	Dr.Rani Gurumoorthy M.D DGO , Rtd.Professor of OG Sivpreethi Hospital, Thanjavur. Mr.R.U.Raman, Live Stock Inspector(Rts) Vice President, District CCC Association , Pudukkottai	Extension activities
Alumni Interaction	2	Mr.P.Rajapriyan	Alumni cell
Library	2	Mr.V.Srinivasan	Library
Valedictory	2	Dr.V.Sureshkumar & Mrs.T.Gnanajeya	S&H

S&H Coordinator
9/9/23

I Year Coordinator
9/9/23

HoD S&H
11/9/23

Principal
9/9/23



J. Bonnet
9/9/23
Principal



Class Room : 406

S. Ramesh
Principal



DEPARTMENT OF SCIENCE AND HUMANITIES
TIME TABLE (Induction Programme as per 2021 Regulation)
B.E – With Effect from 11.09.2023

Batch:2023-2027

Year: I

Semester: I

SECTION: MECH

Class Room : 407

Session	1	2	10.45 am - 11.00 am	3	4	12.30 Pm - 01.10 Pm	5	6	2.40 p.m - 2.50 pm	7	8
Day	09.15am - 10.00am	10.00am - 10.45am		11.00am - 11.45am	11.45am - 12.30pm		01.10pm - 1.55pm	1.55pm - 02.40pm		02.50pm - 03.35pm	03.35pm - 04.20pm
11.09.23	Induction day		BREAK	Inaugural		LUNCH BREAK	CC interaction		BREAK	HoD Interaction	
12.09.23	YOGA(Pranayama)			YOGA(Pranayama)			YOGA(Stress Management)			YOGA(Stress Management)	
13.09.23	YOGA(Practice and benefits)			YOGA(Practice and benefits)			DF			DF	
14.09.23	YRC, RRC & CCC			Motivational talk			PED			ECO CLUB	
15.09.23	Local Area			Visit			CCC programme			NCC	
19.09.23	UHV			Women Cell programme			Library			UHV	
20.09.23	UHV			PED			GSC Programme			NSS	
21.09.23	Literary			Motivational talk			DSA			DSA	
22.09.23	FAA			FAA			Alumni interaction			Valedictory	

NAME OF THE ACTIVITY	HOOR	NAME OF THE STAFF / RESOURCE PERSON	DEPT
Induction day	4	Mrs.T.Gnanajeya	I year coordinator
HoD Interaction	2	Dr.V.Sureshkumar	HoD S&H
CC Interaction	2	Dr.S.Udayakumar	Chemistry
Literary Activities	2	Mr.G.Dinesh	English
YOGA	12	Manavalakalai Mandra Arakkattalai, Thanjavur	Yoga Professors
Motivational Talk	4	Dr.Kumaran Rtd.Prof Department of Tamil, A.V.V.M Sri Puspam College Dr.R.Kamaraj, Asst.Prof, Dept.of Litratue, Tamil University, Thanjavur	-
Department Familiarization	4	HoD / Senior Staff members	MECH
Department Specific Activities	4	Staff Members	MECH
UHV Programme	6	Dr.S.Sivakumar, Vice Principal Dr.K.Abirami, IQAC Coordinator Dr.B.Suresbabu & Dr.K.Sudhakar	EEE CSE T&P
ECO CLUB	2	Mrs.B.Bavithra	CSE
Physical Activity	4	Mr.V.Rajendran	PED
Creative Arts and Culture	4	Mr.R.Sathyaraj	FAA
GSC Programme	2	Dr.N.Mahesan, Kumbakonam	GSC
Local Area Visit	4	Dr.S.Udayakumar & Mrs.T.Gnanajeya	S&H
NSS, NCC, YRC&CCC	6	Programme Officer / Coordinators	Extension activities
Women Cell & CCC	4	Dr.Rani Gurumoorthy M.D DGO , Rtd.Professor of OG Sivpreethi Hospital, Thanjavur. Mr.R.U.Raman, Live Stock Inspector(Rts) Vice President, District CCC Association , Pudukkottai	Extension activities
Alumni Interaction	2	Mr.P.Rajapriyan	Alumni cell
Library	2	Mr.V.Srinivasan	Library
Valedictory	2	Dr.V.Sureshkumar & Mrs.T.Gnanajeya	S&H

S&H Coordinator

I Year Coordinator

HoD S&H

Principal



Year: I Semester: I SECTION: EEE & CIVIL Class Room : 404

Session	1	2	10.45 am - 11.00 am	3	4	12.30 Pm - 01.10 Pm	5	6	2.40 p.m - 2.50 pm	7	8
Day	09.15am - 10.00am	10.00am - 10.45am		11.00am - 11.45am	11.45am - 12.30pm	01.10 Pm - 01.10 Pm	01.10pm - 1.55pm	1.55pm - 02.40pm		02.50pm - 03.35pm	03.35pm - 04.20pm
11.09.23	Induction day		BREAK	Inaugural		LUNCH BREAK	CC interaction		BREAK	HoD Interaction	
12.09.23	YOGA(Pranayama)			YOGA(Pranayama)			YOGA(Stress Management)			YOGA(Stress Management)	
13.09.23	YOGA(Practice and benefits)			YOGA(Practice and benefits)			DF			DF	
14.09.23	YRC, RRC &CCC			Motivational talk			PED			ECO CLUB	
15.09.23	Local Area			Visit			CCC programme			NCC	
19.09.23	UHV			Women Cell programme			Library			UHV	
20.09.23	UHV			PED			GSC Programme			NSS	
21.09.23	Literary			Motivational talk			DSA			DSA	
22.09.23	FAA			FAA			Alumni interaction			Valedictory	

NAME OF THE ACTIVITY	HOUR	NAME OF THE STAFF / RESOURCE PERSON	DEPT
Induction day	4	Mrs.T.Gnanajeya	1 year coordinator
HoD Interaction	2	Dr.V.Sureshkumar	HoD S&H
CC Interaction	2	Mr.G.Dinesh	English
Literary Activities	2	Mr.G.Dinesh	English
YOGA	12	Manavalakalai Mandra Arakkattalai, Thanjavur	Yoga Professors
Motivational Talk	4	Dr.Kumaran Rtd.Prof Department of Tamil, A.V.V.M Sri Puspam College Dr.R.Kamaraj, Asst.Prof, Dept.of Litrture, Tamil University, Thanjavur	-
Department Familiarization	4	HoD / Senior Staff members	CSE
Department Specific Activities	4	Staff Members	CSE
UHV Programme	6	Dr.S.Sivakumar, Vice Principal Dr.K.Abirami, IQAC Coordinator Dr.B.Suresbabu & Dr.K.Sudhakar	EEE CSE T&P
ECO CLUB	2	Mrs.B.Bavithra	CSE
Physical Activity	4	Mr.V.Rajendran	PED
Creative Arts and Culture	4	Mr.R.Sathyaraj	FAA
GSC Programme	2	Dr.N.Mahesan, Kumbakonam	GSC
Local Area Visit	4	Dr.S.Udayakumar & Mrs.T.Gnanajeya	S&H
NSS, NCC, YRC&CCC	6	Programme Officer / Coordinators	Extension activities
Women Cell & CCC	4	Dr.Rani Gurumoorthy M.D DGO , Rtd.Professor of OG Sivpreethi Hospital, Thanjavur. Mr.R.U.Raman, Live Stock Inspector(Rts) Vice President, District CCC Association , Pudukkottai	Extension activities
Alumni Interaction	2	Mr.P.Rajapriyan	Alumni cell
Library	2	Mr.V.Srinivasan	Library
Valedictory	2	Dr.V.Sureshkumar & Mrs.T.Gnanajeya	S&H

J. Bonnet
9/9/23
Principal



A NAAC Accredited Institution
KINGS
COLLEGE OF ENGINEERING
Recognized under 2(f) & 12(B) of UGC
Approved by AICTE, New Delhi
Affiliated to Anna University, Chennai



Department of Science and Humanities

Academic Year 2023-2024

Universal Human Values

Resource Person Details

S.No	Name of the resource Person	Designation & Affiliation
1	Dr.V.Sureshkumar	HoD, S&H, Kings College of Engineering
2	Dr. S. Udayakumar	Asso.prof, S&H, Kings College of Engineering
3	Dr. P.Saravanan	Asso.prof, S&H, Kings College of Engineering
4	Mrs.S.Tiripura Shalini	AP, S&H, Kings College of Engineering


UHV Coordinator


PRINCIPAL



NAAC Accredited Institution

KINGS
COLLEGE OF ENGINEERING

Recognized under 2(f) & 12(B) of UGC

Approved By AICTE, New Delhi & Affiliated to Anna University, Chennai
Punalkulam, Gandarvakottai (tk), Near Thanjavur, Pudukkottai - 613303

CERTIFICATE

This is to certify that Mr. Girivasan K R of
I year Artificial Intelligence & Data Science has actively
participated in the Programme on **Universal Human Values**
between 11.09.23-13.06.24, organized by UHV Cell, Kings College of
Engineering, Punalkulam.

Dr. S. Udayakumar
UHV Coordinator

Dr. V. Sureshkumar
HOD/S&H

Dr. J. Arputha Vijaya Selvi
Principal



NAAC Accredited Institution

KINGS
COLLEGE OF ENGINEERING

Recognized under 2(f) & 12(B) of UGC

Approved By AICTE, New Delhi & Affiliated to Anna University, Chennai
Punalkulam, Gandarvakottai (tk), Near Thanjavur, Pudukkottai - 613303

CERTIFICATE

This is to certify that Mr. KANVAR JOSHUA S of
I year Mechanical Engineering has actively
participated in the Programme on **Universal Human Values**
between 11.09.23-13.06.24, organized by UHV Cell, Kings College of
Engineering, Punalkulam.

Dr. S. Udayakumar
UHV Coordinator

Dr. V. Sureshkumar
HOD/S&H

Dr. J. Arputha Vijaya Selvi
Principal



DEPARTMENT OF TRAINING AND PLACEMENT

**ACADEMIC YEAR
2023-2024**



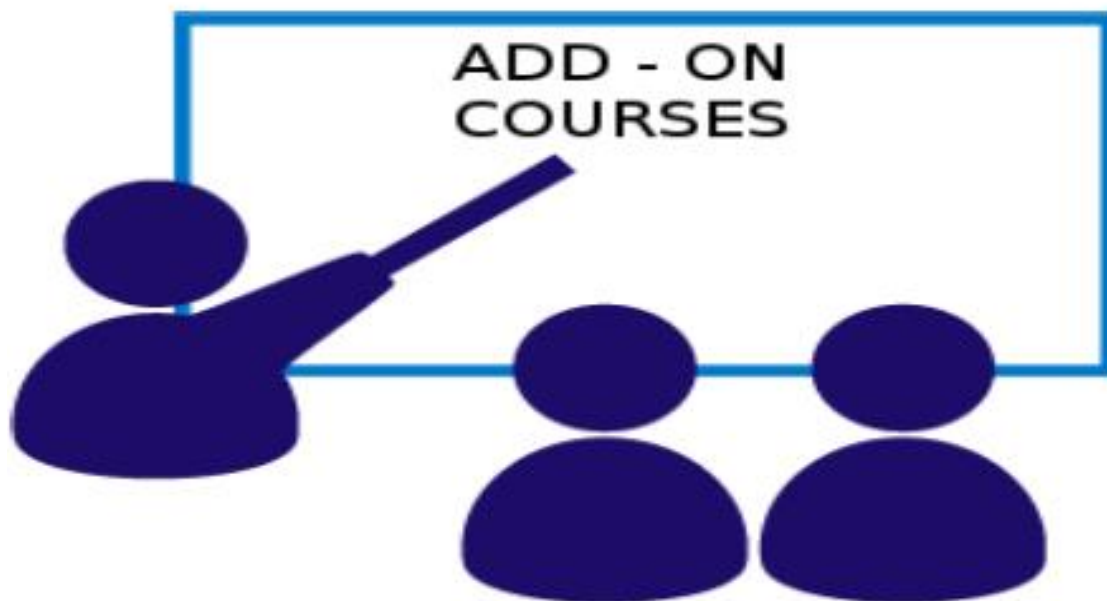
DEPARTMENT OF TRAINING AND PLACEMENT

ACADEMIC YEAR

2023 – 2024

DEPARTMENT OF TRAINING AND PLACEMENT

ADD ON COURSE





DEPARTMENT OF TRAINING AND PLACEMENT

ACADEMIC YEAR 2023 - 2024

ADD ON COURSE

SYLLABUS & COURSE PLAN

CONTENT

S NO	PARTICULARS	REMARKS
1.	SYLLABUS & COURSE PLAN (SOFT SKILLS (SK) & APTITUDE(AP) (SK03&04,AP03&04,SK05&06,AP05&06,SK07&08 and AP07&08)	II, III & IV YEAR

B. S. Kumar
TPO
6/5/24

S. Ramesh
6/5/24
VP/HEAD-T&P

S. Ramesh
6/5/24
PRINCIPAL



Ref: ADD ON PROGRAM/01/23-24

CIRCULAR

10.07.2023

We are planning to conduct an ADD-ON PROGRAM on Soft Skills and Aptitude for II, III and IV students during the academic year 2023–24 in order to train and develop them to fit the threshold of the existing job market. In this regard, we ask all of the aforementioned students to register their name and branch with their respective ADD ON PROGRAM Coordinator on or before 17th July, 2023, to participate in the program.

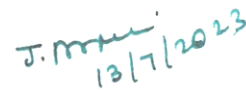
Note: HoDs and placement coordinators are requested to take necessary steps.

Cc:

Secretary, AO

All HoDs (Circulate to the placement coordinators and relevant classes)


VP/HEAD T & P


PRINCIPAL

ADD ON PROGRAM REPORT
ACADEMIC YEAR 2023-2024

NAME OF THE PROGRAM: ADD ON PROGRAM

NAME OF THE COURSE: SOFT SKILLS / QUANTITATIVE APTITUDE

YEAR/SEM: ALL IV/III/II /ODD/ EVEN (CIVIL, CSE, ECE, EEE & MECH)

DURATION: 30 HOURS

NUMBER OF STUDENTS BENEFITED:

NAME OF THE RESOURCE PERSON: SOFT SKILLS – Dr.K.SUDHAKAR & Dr.B.SURESH BABU

APTITUDE – Dr.B.BARANKUMAR & Ms.P.SUGANYA

The Department of Training and Placement clearly recognize the requirements of today's job market necessities and work hard to offer an add-on training program on soft skills and quantitative aptitude with a well planned training modules for the II, III, and IV year students, which helps them augment their employability skills.

With recognizing this need, a regular soft skills and quantitative aptitude training program was conducted during the academic year 23–24 ODD and EVEN semesters for the benefit of IV, III, and II year students.

Training Program Structure: The training Modules were designed with covering various topics of soft skills and quantitative aptitude:

1. **Soft Skills:** Develop soft skills for the workplace knows the importance of soft skills to achieve better career.
2. **Communication Skills:** Communicate to impress enhance your verbal and Non- verbal communication skills
3. **Teamwork and Collaboration:** In today's corporate sector, it expects the team work concept in their business environment and prefer the students who can work well in teams. Hence, students were given training in the concept through interactive activities and group discussions.
4. **Career Discussion Skills:** Gain Guidance from career gurus receive strategic insights from training experts.
5. **Body Language:** Body language is referred as a very significant non verbal communication. In this part, students were taught about negative and positive body languages, which need to be cared in the work place as well as during recruitment events.
6. **Time Management:** Effective time management is indispensable for efficiency and success. Students were trained on prioritization of task, goal setting, and task organization to optimize their time management skills.
7. **Quantitative Aptitude:** Ability in mathematics and numerical analysis is essential for many technical roles. Students received rigorous training in mathematical concepts, data interpretation, and quantitative reasoning.



Training Methodology: The training program engaged a variety of methodologies to ensure effective learning:

1. **Lecture:** To reinforce learning, expert trainers gave lectures on imperative thoughts.
2. **Role-Playing Training:** In order to practice interpersonal skills and replicate real-world situations, students engaged in role-playing games and activities focused on team building, time management, and leadership. To acquaint the final-year students, mock interviews and simulated GDs were held with confidently participating in interviews and group discussions at the ON/OFF campus interviews.
3. **ICT Learning Resources:** Tools and auxiliary ICT resources are offered to support self-directed learning and ongoing development.
4. **Quantitative aptitude Training on Company based questions:** To expand the quantitative aptitude ability, students were given practice on company-specific aptitude questions and

discussed during the regular training sessions. Also, MCQs were given to the students for class activities on various models of quantitative aptitude.

Outcomes: The training program offered significant positive outcomes:

1. **Improved Employability Skills:** Students who had a well-rounded skill set were prepared for better career opportunities and job interviews.
2. **Enhanced Soft Skills:** Participants exposed growth in their capacity for problem-solving, teamwork, interpersonal relationship and communication.
3. **Better Confidence Building:** The training instilled self-confidence and enabled students to approach interviews in group discussions with affirmation.
4. **Improved Quantitative Aptitude:** Students exhibit increased proficiency in mathematical concepts and quantitative reasoning.

5.

Conclusion:

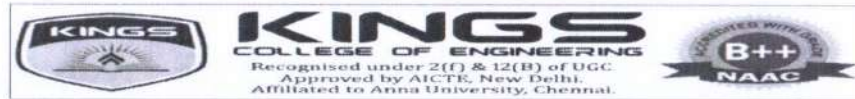
The fourth, third, and second year students' employability abilities were greatly improved by the Soft abilities and Quantitative Aptitude Training Program. The curriculum effectively supported students' holistic needs by emphasizing both soft skills and mathematical aptitude, giving them the tools they need to thrive in the cutthroat job market of today.

It is anticipated that as the curriculum develops and grows, it will significantly improve our students' employability and career preparedness starting in their second year, fostering their professional growth and societal success.

B. S. M.
TPO
6/8/24

88
6/8/24
VP/HEAD-T&P

J. R. R.
6/5/24
PRINCIPAL



DEPARTMENT OF TRAINING AND PLACEMENT

SUBJECT NAME & CODE: Soft Skills & SK03

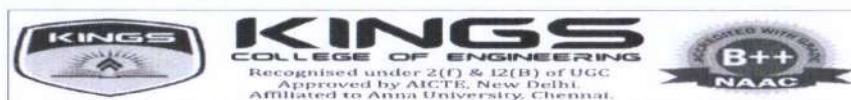
YEAR : II

SEMESTER : III

PREPARED BY

Dr. B. Suresh Babu, AP

Dr. K. Sudhakar, AP



DEPARTMENT OF TRAINING AND PLACEMENT
TRAINING MODULE
SOFT SKILLS – II YEAR - SK03

Unit I Introduction to soft skills & hard skills 2

Need for Soft Skills – Employability Skills – Need for Observation – Positive Attitude-

Unit II Break the ice berg – FEAR 2

Overcoming Fear 5 Life changing keys to overcome FEAR – Anglophobias.

Unit III Self-Development 2

Introduction – Importance of knowing yourself and process SWOT Analysis and Benefits of SWOT Analysis

Unit IV Communication Skills 2

Introduction – Importance of communication, Effective communication for Engineers – ways to develop communication

Unit V Forming Values 2

Introduction-a core of values-values relating to education-values relating to self and others – values relating to civic responsibilities - Formation of values and types of values.

Total Periods: 10

BOOK FOR REFERENCE:

Soft Skills – Know yourself and the world - Dr. K. Alex– S. Chand & Co Ltd.

I Just Love my Job – Roy Calvert, Brain Durkin Eugenio Grandi, Kevin-Quarto Library

B. R/m 12/12/23
K. don 12/12/23
STAFF INCHARGE

[Signature]
12/12/23
VP/HEAD - T & P



**DEPARTMENT OF TRAINING & PLACEMENT
COURSE PLAN**

Sub. Name/Code: Soft Skills/SK03

Branch/Year/Sem: B.E (All Branch/II/III)

Batch : 2022-2026

Staff Name : Dr. B. SureshBabu & Dr. K. Sudhakar Academic Year : 2023-24(ODD)

COURSE OBJECTIVE:

1. To learn the importance of soft skills to compete in the recruitment process.
2. To accomplish the knowledge on the employability skills.
3. To build skills to face challenges in job market.
4. To expose the talents during employment.
5. To enhance the soft skills to meet challenges in employment.

BOOKS FOR REFERENCE:

T1. Soft Skills – Know yourself and the world - Dr. K. Alex- S. Chand & Co Ltd.

T2. I Just Love my Job – Roy Calvert, Brain Durkin Eugenio Grandi, Kevin- Quarto
Library

WEB RESOURCES

W1. [https:// www.wsd3.org/.../filedownload.ashx?...Employability%20Skills.ppt](https://www.wsd3.org/.../filedownload.ashx?...Employability%20Skills.ppt)

W2. <https://bemycareercoach.com/soft-skills/list-soft-skills.html>

W3: <https://www.sciencemag.org/careers/2016/02/how-fear-can-limit-your-career-potential>

W4: <https://ndl.iitkgp.ac.in>

Topic No	Topic	Books for Reference	Page No.	Teaching Methodology	No. of Hours Required	Cumulative No. of periods
UNIT I INTRODUCTION TO SOFT SKILLS & HARD SKILLS						(2)
1.	Need for Soft Skills, Employability Skills	T1 W1,	1-12	PPT, BB & intensive class room exercise	1	1
2.	Need for Observation Positive Attitude	W2 T1	--- 19-31	BB & intensive class room exercise	1	2
LEARNING OUTCOME At the end of unit, students should be able to - Analyze the need for soft skills. - Understand the importance of positive attitude.						
UNIT II BREAK THE ICE BERG – FEAR						(2)
3.	Overcoming Fear 5 Life changing keys to overcome FEAR	T1 W3	100-102	PPT, BB & intensive class room exercise/ Mgmt games	1	3
4.	Anglophobias	W3	---	BB& intensive class room exercise	1	4
LEARNING OUTCOME At the end of unit, students should be able to - Understand various concepts of phobias. - Identify the keys to overcome fear.						
UNIT III SELF DEVELOPMENT						(2)
5.	Introduction – Importance of knowing yourself and process	T1, T2 T1	164-165 33,179-185 164-168	PPT, BB & intensive class room exercise	1	5
6.	SWOT Analysis and Benefits of SWOT Analysis	T1	169-179	BB & intensive class room exercise	1	6
LEARNING OUTCOME At the end of unit, students should be able to - Learn about themselves - Analyze and know their strengths and weaknesses						
UNIT IV COMMUNICATION SKILLS						(2)
7.	Difference between Bio – data, CV, Resume	T1	185-186	BB & intensive class room exercise	1	7
8.	CV writing tips – Dos & Don'ts in CV writing, Designs of CV – Content, Sequence, Electronic CV tips – Cover letter – CV samples.	T1	187-189 189-192	PPT & intensive class room exercise	1	8
LEARNING OUTCOME At the end of unit, students should be able to - Analyze Differences between Bio – data, CV, Resume - Know and analyze content and sequences of CV						

UNIT V	FORMING VALUES	(2)				
9.	Introduction-a core of values-values relating to education - values relating to self and others	T1	32-35	BB & intensive class room exercise	1	9
10.	values relating to civic responsibilities-formation of values and types of values	T1	36-46	BB & intensive class room exercise	1	10
LEARNING OUTCOME At the end of unit, students should be able to - Understand the core values learnt from the education - Know the Civic values and the responsibilities vested within themselves to serve the society						

COURSE OUTCOME

At the end of the course, the students will be able to

- Develop positive attitude
- Attend interviews without fear.
- Enough confidence and knowledge on facing challenges
- Write a appropriate CV for a job
- Know and forming the values needed in their career

CONTENT BEYOND THE SYLLABUS

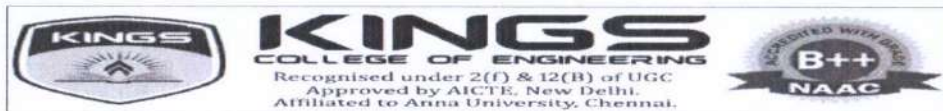
Prepare a SWOT analysis chart to know your soft skills potential.

B. Suresh Babu 12/11/2023
 Dr. K. SUDHAKAR 12/11/2023
 Prepared by
Dr. B.SURESH BABU
Dr. K. SUDHAKAR

12/11/23
 Verified by
VP/HEAD-T&P

J. M. M. 13/11/2023
 Approved by
PRINCIPAL

Verified
 13/10/23



DEPARTMENT OF TRAINING & PLACEMENT

SUBJECT : QUANTITATIVE APTITUDE -AP03

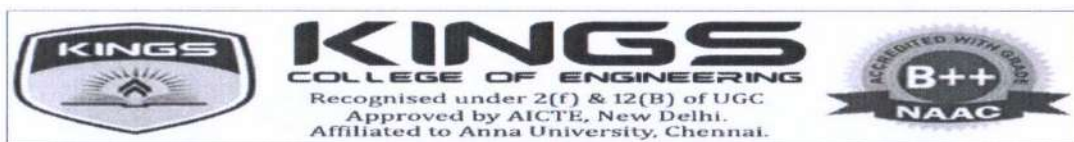
YEAR : II YEAR

SEMESTER : III

PREPARED BY,

Ms. P.SUGANYA/ AP

Dr. B.BARANKUMAR/ AP



TRAINING MODULES

AP03 - QUANTITATIVE APTITUDE – II YEAR (Third Semester)

Problems on Numbers – Definition – Types of numbers – Test of divisibility – Place and Face value problems 2

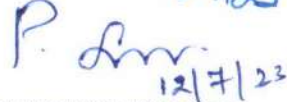
Simplification –BODMAS rule – Modular of a real number – Virnaculum 2

Permutation & Combination– Definition, Factorial notation and examples , Difference between Permutation and Combination – Number of combinations and its types of problems 2

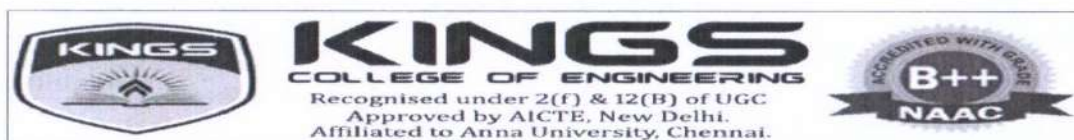
Probability –Definitions and conditions of coins, dice, and cards, Sample space and Probability formulas – Problems of coins, dice, cards examples 2

Odd man out series – Concepts and conditions of odd man out series –types of odd man out series, number and alphabetical series 2

Total Periods: 10


12/7/23

12/7/23
STAFF INCHARGE


12/7/23
VP/HEAD (T&P)



DEPARTMENT OF TRAINING & PLACEMENT

Sub. Name : Quantitative Aptitude	Branch / Year / Sem : B.E (All Branch/II/III)
Staff Name : Ms P.Suganya	Batch : 2022-2026
Dr. B.Barankumar	Academic Year : 2023-24(ODD)

COURSE OBJECTIVE:

1. To learn the importance of quantitative aptitude to compete in the recruitment process.
2. To accomplish the knowledge on the basics of aptitude and solving methods.
3. To build skills to solve various problems using shortcut methods.
4. To expose the enabling methodologies in solving the aptitude.

TEXT BOOK:

T1. Quantitative Aptitude - R.S. Aggarwal – S. Chand Publications

WEB RESOURCES

- W1.** www.indiabix.com - Problems on Numbers
W2. www.freedu.in - Simplification,
W3. www.sawaal.com - Probability
W4. www.testpot.com - Odd man out series
W5. www.freshersworld.com - Permutation & Combination

Topic No	Topic	Books for Reference	Page No.	Teaching Methodology	No. of Hours Required	Cumulative No. of periods
Problems on numbers						(2)
1.	Definition & Types of numbers	T1,W1	1-2	BB/PPT	1	1
2.	Test of Divisibility	T1,W1	3-15	BB/PPT	1	2
LEARNING OUTCOME At the end of unit, students should be able to - Analyze the concept of numbers and test of divisibility - Describe the conditions and its problems						
Simplification						(2)
3.	BODMAS rule and sample problems	T1,W2	67-74	BB/PPT	1	3
4.	Modular of a real number	T1,W2	75-94	BB/PPT	1	4
LEARNING OUTCOME At the end of unit, students should be able to - Understand the concept of BODMAS rule - Describe Modular of a real number						
Permutation and Combination						(2)
5.	Definition, Factorial notation and examples , Difference between Permutation and Combination	T1,W5	613 -615	BB/PPT	1	5
6.	Number of combinations and its types of problems	T1,W5	616 -620	BB/PPT	1	6
LEARNING OUTCOME At the end of unit, students should be able to - Analyze the concept of Permutation and combination - Identify the difference between permutation and combination						
Probability						(2)
7.	Definitions and conditions of coins, dice, and cards, Sample space and probability formulas	T1,W3,	621 -623	BB/PPT	1	7
8.	Problems of coins, dice, cards examples	T1,W3	624 -626	BB/PPT	1	8
LEARNING OUTCOME At the end of unit, students should be able to - Outline knowledge on Probability - Explain the difference between Sample space, event ,probability						

Odd man out series						(2)
9.	Concepts and conditions of odd man out series	T1	649 -653	BB/PPT	1	9
10.	types of odd man out series, number and alphabetical series	T1,W5	654 - 657	BB/PPT	1	10

LEARNING OUTCOME
At the end of unit, students should be able to

- Describe number series
- Identify alphabetical series

COURSE OUTCOME

At the end of the course, the students will be able to

- Analyze the concepts and formulae for various quantitative aptitude methods.
- Identify and apply the various shortcut methods to solve the problems in aptitude.
- Enough confidence and knowledge on approaching aptitude.

CONTENT BEYOND THE MODULES

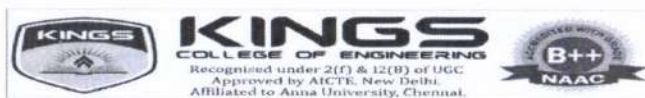
1. Solving various Company Question papers.

P. Suganya 12/7/23
Dr. B. Barankumar
 Prepared by
Ms. P. SUGANYA
Dr. B. BARANKUMAR

[Signature] 12/7/23
 Verified By
VP/HEAD T & P

[Signature] 13/7/2023
 Approved by
PRINCIPAL

Verified
[Signature] 13/7/23



DEPARTMENT OF TRAINING AND PLACEMENT

SUBJECT NAME & CODE: Soft Skills & SK05

YEAR : III

SEMESTER : V

PREPARED BY

Dr. B. SURESH BABU, AP

Dr. K. SUDHAKAR, AP



DEPARTMENT OF TRAINING AND PLACEMENT
TRAINING MODULE
SOFT SKILLS /SK05

Unit I**Know Thyself/ Understanding Self****2**

Introduction to Soft skills-Self discovery-Developing positive attitude-Improving perceptions-Forming values

Unit II**2****Interpersonal Skills/ Understanding Others**

Developing interpersonal relationship-Team building-group dynamics-Net working-Improved work relationship

Unit III**2****Communication Skills / Communication with others**

Art of listening-Art of reading-Art of speaking-Art of writing-Art of writing e-mails-e mail etiquette

Unit IV**2****Corporate Skills / Working with Others**

Developing body language-Practicing etiquette and mannerism-Time management-Stress management

Unit V**2****Selling Self / Job Hunting**

Writing resume/cv-interview skills-Group discussion- Mock interview-Mock GD - Goal setting - Career planning

B. S. Srinivasan
12/7/2023
J. S. Srinivasan
12/7/2023
STAFF IN-CHARGE

[Signature]
12/7/23
VP/HEAD-T&P



DEPARTMENT OF TRAINING & PLACEMENT
COURSE PLAN

Sub. Name/Code: Soft Skills/SK05**Branch/Year/Sem : B.E (All Branch/III/V)****Batch : 2020-2025****Staff Name: Dr. B. Suresh Babu & Dr. K. Sudhakar Academic Year : 2023-24(ODD)****COURSE OBJECTIVE:**

1. To learn the importance of Career Planning.
2. To accomplish the knowledge on the communication skills.
3. To build skills to face challenges in the competitive world
4. To expose the right etiquette and manners in the society
5. To enhance the time management skills to meet challenges in employment.

BOOKS FOR REFERENCE:

- T1. Soft Skills – Know yourself and the world - Dr. K. Alex- S. Chand & Co Ltd.
T2. I Just Love my Job – Roy Calvert, Brain Durkin Eugenio Grandi, Kevin- Quarto
Library

WEB RESOURCES

- W1. <https://positivepsychology.com/positive-mindset/>
W2. <https://www.youtube.com/watch?v=6y65U3v2b9c>
W3. https://www.youtube.com/embed/vLNcPw_frN4om
W4. <https://www.youtube.com/watch?v=jxt0-sYYL8s> /

Topic No	Topic	Books for Reference	Page No.	Teaching Methodology	No. of Hours Required	Cumulative No. of periods
Unit I - Know Thyself/ Understanding Self						(2)
1.	Introduction to Soft skills Self discovery- Developing positive attitude	T1 W1	01-12 13-18 19-31	BB & intensive class room exercise/PPT	1	1
2.	Improving perceptions-Forming values	W2 T1	47-56 32-46	BB & intensive class room exercise/PPT	1	2
LEARNING OUTCOME At the end of unit, students should be able to - Analyze the need for soft skills. - Understand the importance of positive attitude.						
Unit – II Interpersonal Skills/ Understanding Others						(2)
3.	Developing interpersonal relationship-Team building-group dynamics	T1 W3	134-146 ---	PPT,BB & intensive class room exercise/PPT	1	3
4.	Net working-Improved work relationship	W4	--	BB & intensive class room exercise/PPT	1	4
LEARNING OUTCOME At the end of unit, students should be able to - Understand various concepts of phobias. - Identify the keys to overcome fear.						
Unit – III Communication Skills / Communication with others						(2)
5.	Art of listening-Art of reading-Art of speaking	T1	67-102	PPT, BB& intensive class room exercise/PPT	1	5
6.	Art of writing-Art of writing e-mails-etiquette	T1	103-116	BB& intensive class room exercise/PPT	1	6
LEARNING OUTCOME At the end of unit, students should be able to - Learn about the importance of communication in corporate life - Strengthen their communication skills in reading, speaking and writing						
Unit - IV Corporate Skills / Working with Others						(2)
7.	Developing body language-Practicing etiquette and mannerism	T1	117-133 162-182	BB & intensive class room exercise/PPT	1	7

Topic No	Topic	Books for Reference	Page No.	Teaching Methodology	No. of Hours Required	Cumulative No. of periods
8.	Time management- Stress management	T1	220-234 235-250	PPT & intensive class room exercise/PPT	1	8

LEARNING OUTCOME

At the end of unit, students should be able to

- Understand the concept of body language and improving it
- Know significance of time management and stress management to overcome obstacles in their corporate life.

Unit - V Selling Self / Job Hunting**(2)**

9.	Writing Resume/CV, interview skills-Group discussion	T1	183-202	BB & intensive class room exercise/PPT	1	9
10.	Mock interview-Mock GD Goal setting - Career planning	T1	203-219 57-66	BB & intensive class room exercise/PPT	1	10

LEARNING OUTCOME

At the end of unit, students should be able to

- Analyze Differences between Bio - data, CV, Resume
- Prepare the Resume or CV on their own
- Know and analyze content and sequences of CV

COURSE OUTCOME

At the end of the course, the students will be able to

- Attend interviews without fear.
- Participate in GD and public debates
- Enough confidence and knowledge on facing challenges.
- Write a appropriate CV for a job

CONTENT BEYOND THE SYLLABUS

Case study on interpersonal skills in corporate culture.

B. Suresh Babu
12/12/2023
K. Sudhakar
12/17/2023
Prepared by

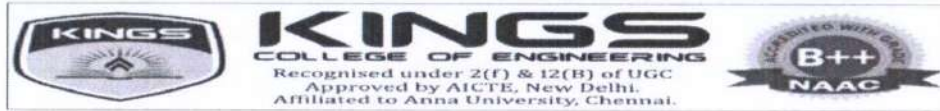
Dr. B.SURESHBABU
Dr. K. SUDHAKAR

[Signature]
12/17/2023
Verified by

VP/HEAD - T & P

J. Manjunath
13/7/2023
Approved by
PRINCIPAL

Verified
[Signature]
13/7/23



DEPARTMENT OF TRAINING & PLACEMENT

SUBJECT : QUANTITATIVE APTITUDE –AP05

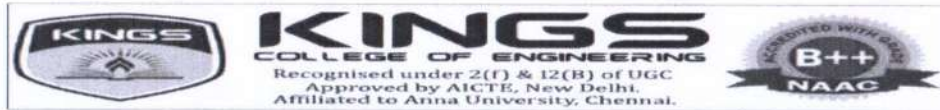
YEAR : III YEAR

SEMESTER : V

PREPARED BY,

Ms. P.SUGANYA / AP

Dr. B.BARANKUMAR /AP



TRAINING MODULES

AP05 - QUANTITATIVE APTITUDE - III YEAR (Fifth Semester)

Problems on Trains - Introduction, important condition and types of train problems – same direction, opposite direction – concepts and formulas for slower train, faster train.

2

Chain Rule – Concepts and conditions of chain rule – types – direct and indirect proportion

2

Time and Work – Introduction – condition – formula and problems

2

H.C.F & L.C.M of Numbers – Definition – Conditions of H.C.F & L.C.M – Factorize and Division method

2

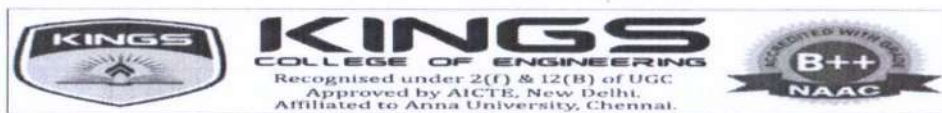
Profit and Loss – Concepts – formulas – types and problems

2

Total Periods : 10

P. Lin 12/7/23
STAFF INCHARGE

[Signature]
VP/HEAD (T&P)

**DEPARTMENT OF TRAINING & PLACEMENT**

Sub. Name : Quantitative Aptitude	Branch / Year / Sem : B.E (All Branch/III/V)
Staff Name : Ms P.Suganya & Dr. B.Barankumar	Batch : 2021-2025 Academic Year : 2023-24(ODD)

COURSE OBJECTIVE:

1. To learn the importance of quantitative aptitude to compete in the recruitment process.
2. To accomplish the knowledge on the basics of aptitude and solving methods.
3. To build skills to solve various problems using shortcut methods.
4. To expose the enabling methodologies in solving the aptitude.

TEXT BOOK

T1. Quantitative Aptitude - R. S. Aggarwal – S. Chand Publications

WEB RESOURCES

- W1.** www.indiabix.com – Problems on Trains
W2. www.freedu.com – Chain Rule
W3. www.sawssl.com – Time and Work
W4. www.testpot.com – HCF and LCM of numbers
W5. www.freshersworld.com – Profit and Loss

Topic No	Topic	Books for Reference	Page No.	Teaching Methodology	No. of Hours Required	Cumulative No. of periods
Problems on numbers						(2)
1.	Introduction, important condition and types of train problems – same direction, opposite direction	T1,W1	405-407	BB/PPT	1	1
2.	Concepts and formulas for slower train, faster train. Sample problems	T1,W1	408-424	BB/PPT	1	2
LEARNING OUTCOME At the end of unit, students should be able to - To analysis the concept of problems on trains - Describe the conditions and its directions						
Chain Rule						(2)
3.	Concepts and conditions of chain rule	T1, W2	326 -328	BB/PPT	1	3
4.	Types – direct and indirect Sample problems	T1, W2	329 - 332	BB/PPT	1	4
LEARNING OUTCOME At the end of unit, students should be able to - Describe number series - Identify the alphabetical series						
Time and work						(2)
5.	Introduction – condition – formula	T1, W3	341-344	BB/PPT	1	5
6.	Sample Problems	T1, W3	345-350	BB/PPT	1	6
LEARNING OUTCOME At the end of unit, students should be able to - Analyze the concept of Time and Work - Describe the conditions and its problems						
H.C.F & L.C.M Of Numbers						(2)
7.	Definition – Conditions of H.C.F & L.C.M – Factorize	T1, W4	294-296	BB/PPT	1	7
8.	Division method	T1, W4	297 -301	BB/PPT	1	8
LEARNING OUTCOME At the end of unit, students should be able to - Describe and Compare HCF and LCM of numbers - Analyze and solve the problems on HCF and LCM of numbers						
Profit and Loss						(2)
9.	Concepts – formulas – types	T1, W5	251 -256	BB/PPT	1	9
10.	Sample problems	T1, W5	257 -269	BB/PPT	1	10
LEARNING OUTCOME At the end of unit, students should be able to - Analyze & Compare Profit and Loss - Solve the problems on various types.						

COURSE OUTCOME

At the end of the course, the students will be able to

- Analyze the concepts and formulae for various quantitative aptitude methods.
- Identify and apply the various shortcut methods to solve the problems in aptitude.
- Enough confidence and knowledge on approaching aptitude.

CONTENT BEYOND THE SYLLABUS

1. Solving various Company Question papers.

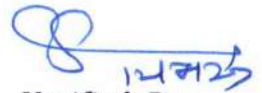
P. dm 12/7/23



Prepared by

Ms. P. SUGANYA

Dr. B. BARANKUMAR



Verified By

VP/HEAD T & P

J. mm
19/7/2023

Approved by

PRINCIPAL

Verified

13/7/22



DEPARTMENT OF TRAINING AND PLACEMENT

SUBJECT NAME & CODE: Soft Skills & SK07

YEAR : IV

SEMESTER : VII

PREPARED BY

Dr. B. SURESH BABU, AP

Dr. K. SUDHAKAR, AP



DEPARTMENT OF TRAINING & PLACEMENT
TRAINING MODULE
SOFT SKILLS (SK07) – IV YEAR (Seventh Semester)

Unit I**Soft Skills for professionals****2**

Creativity-Innovation-collaboration in the work place - Time Management- Stress Management.

Unit II**Communication Skills****2**

Effective communication for the work place – ways to develop communication - Role of Body Language during interview.

Activity –Testing the Communication skills of the students by providing various activities.**Unit III****Interview Skills****2**

A to Z of interview – Types of interview– Questions Asked – Reason for rejecting the candidate, on the day of interview – Dos and Don'ts in interview.

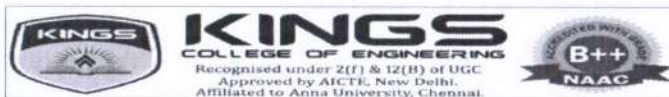
Activity: Mock interview**Unit IV****Group Discussion****2**

Need and Scope – Characters Tested in a GD – Behavior in GD – Essential Elements

Activity: List of recent topics discussed**Unit V****Mock GDs & Interviews****2****Total Periods: 10**

D. R. M. 12/12/2023
E. for 12/12/2023
STAFF INCHARGE

[Signature]
VP/HEAD - T&P



DEPARTMENT OF TRAINING & PLACEMENT COURSE PLAN

Sub. Name/Code: Soft Skills / SK07
Branch / Year / Sem: B.E (All Branches/IV/VII)
Staff Name: Dr. B. Suresh Babu &
Batch : 2020-2024
Dr. K. Sudhakar
Academic Year : 2023-24(ODD)

COURSE OBJECTIVE:

1. To learn the importance of interview skills to compete in the recruitment process.
2. To accomplish the knowledge on the basics of stress management.
3. To build skills to participate in group discussions.
4. To impart and enhance the skills required for work culture to stick on for corporate life.
5. To build a better career opportunity path.

TEXT BOOKS

T1. Soft Skills – Know yourself and the world - Dr. K. Alex– S. Chand & Co Ltd.

WEB RESOURCES

W1. <https://study.com/academy/course/soft-skills-for-engineers.html>

W2. <http://study.com/academy/lesson/cultural-diversity-in-the-workplace-definition-trends-examples.html>

W3. <https://www.interviewbest.com/member/presentation>

W4. <http://www.gcflearnfree.org/interviewingskills/>

W5. <http://placement.freshersworld.com/basic-skills-required-for-gd/33121993>

Topic No	Topic	Books for Reference	Page No.	Teaching Methodology	No. of Hours Required	Cumulative No. of periods
Unit I Soft Skills for professionals						2
1.	Creativity-Innovation-collaboration in the work	W1 T1	42-44	PPT BB, Class Room Exercise	1	1
2.	Time Management- Stress Management.	W1 T1	50-52 53-54	BB, Class Room Exercise	1	2
LEARNING OUTCOME At the end of unit, students should be able to - Understand the importance of creativity and innovation in professional field. - Analyze the role of time management for professional jobs - Identify the ways to handle the stress in professional life						
Unit II Communication Skills						2
3.	Effective communication for the work place, ways to develop communication	T1	38-39	PPT	1	3
4.	Role of Body Language during interview.	T1	40-41	PPT, Video, BB Class Room Exercise	1	4
LEARNING OUTCOME At the end of unit, students should be able to - Awareness about the need for the communication skills for effective job performance - Analyze the various ways to develop communication skills - Understand the role of body language during the interview process						
Unit III Interview Skills						2
5.	A to Z of interview – Types of interview, Questions Asked	T1 W3	25-27 28-29	PPT BB, Class Room Exercise	1	5
6.	Reason for rejecting the candidate – on the day of interview, Dos and Don'ts in interview	T1	78-79 80-82	PPT, Video, BB, Class Room Exercise	1	6
LEARNING OUTCOME At the end of unit, students should be able to - Understand the concept of interview. - Analyze about skills related to attend interviews. - Awareness about the reasons for rejection of candidature						
Unit IV Group Discussion						2
7.	Need and Scope – Characters Tested in a GD	T1	71-72	PPT, Video	1	7
8.	Behavior in GD – Essential Elements	W5	73-74	PPT, Video, Class Room Exercise	1	8
LEARNING OUTCOME At the end of unit, students should be able to - Understand the concept of group discussion - Identify the skills and behaviors required to attend a group discussion - Ascertain dos and don'ts in group discussions						

Unit V

Mock GDs and Interviews

2(10)

COURSE OUTCOME

At the end of the course, students will be able to,

- Choose a best career for better future.
- Understand and apply the interview skills.
- Identify and apply skills required to get through in group discussions.
- Awareness about the role of stress for the self-development.
- Enough confidence and knowledge on approaching work culture.

EVALUATION TEST: Mock interviews and Group Discussions

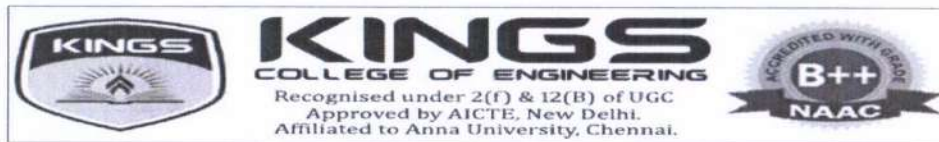
B. Suresh Babu 12/12/2023
K. Sudhakar 12/12/2023

Prepared by
Dr. B. SURESHBABU
Dr. K.SUDHAKAR

Verified By
VP/HEAD - T&P

J. Ramesh 13/12/2023
Approved by
PRINCIPAL

Verified
BB
13/12/23



DEPARTMENT OF TRAINING & PLACEMENT

SUBJECT : QUANTITATIVE APTITUDE -AP07

YEAR : IV YEAR

SEMESTER: VII

PREPARED BY,

Ms. P.SUGANYA / AP

**TRAINING MODULES****AP07 - QUANTITATIVE APTITUDE - IV YEAR (Seventh Semester)**

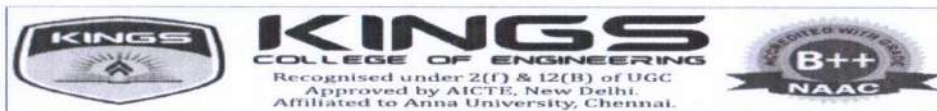
Coding and Decoding - Introduction, important condition and types of number coding and alphabets coding – Analogy.	2
Reasoning – Odd man out series, Logical word sequence, mathematical orders	2
Time, Speed and Distance –Introduction and Concepts and difference between Time, Speed and Distance	2
Syllogism – Introduction, concepts, tips, types and sample problems	2
Blood Relations – Based on dialogue and conversation Puzzles	2

Total Periods: 10

P. Anurag 12/7/23

STAFF INCHARGE

12/7/23
VP/HEAD (T&P)

**DEPARTMENT OF TRAINING & PLACEMENT**

Sub. Name : Quantitative Aptitude	Branch / Year / Sem : B.E (All Branch/IV/VII)
Staff Name : Ms P.Suganya	Batch : 2020-2024
	Academic Year : 2023-24(ODD)

COURSE OBJECTIVE:

1. To learn the importance of quantitative aptitude to compete in the recruitment process.
2. To accomplish the knowledge on the basics of aptitude and solving methods.
3. To build skills to solve various problems using shortcut methods.
4. To expose the enabling methodologies in solving the aptitude.

TEXT BOOKS

- T1.** Quantitative Aptitude - R. S. Aggarwal – S. Chand Publications
T2. A Modern Approach to the verbal & Non – verbal reasoning – R.S. Aggarwal

WEB RESOURCES

- W1.** www.indiabix.com – Coding and Decoding,
W2. www.freedu.in – Reasoning
W3. www.sawaal.com – Time, Speed and Distance
W4. www.testpot.com – Syllogism
W5. www.freshersworld.com – Blood Relations

Topic No	Topic	Books for Reference	Page No.	Teaching Methodology	No. of Hours Required	Cumulative No. of periods
Coding and Decoding						(2)
1.	Introduction, important condition and types of number coding and	T2,W1	213 – 219	BB/PPT	1	1
2.	Alphabets coding – Analogy.	T2	194 -200	BB/PPT	1	2
LEARNING OUTCOME						
At the end of unit, students should be able to						
- Analyze the concept of coding and decoding concepts - Solve the problems on coding, alphabets coding and analogy.						
Reasoning						(2)
3.	Definition – Reasoning and types of reasoning	T2,W2	649 – 657	BB/PPT	1	3
4.	Discussion of Company Question Paper	T2	658 – 665	BB/PPT	1	4
LEARNING OUTCOME						
At the end of unit, students should be able to						
- Understand the concept of Reasoning and its types. - Identify the alphabetical and numerical types of problems						
Time, Speed and Distance						(2)
5.	Introduction and Concepts and sample problems	T1,W3	384 - 386	BB/PPT	1	5
6.	Difference between Time, Speed and Distance	T1,	387 -393	BB/PPT	1	6
LEARNING OUTCOME						
At the end of unit, students should be able to						
- Analyze the concept of Time, Speed and Distance - Describe the conditions and its problems						
Syllogism						(2)
7.	Introduction, concepts, tips, types	T2,W4	30 - 34	BB/PPT	1	7
8.	Sample problems	T2,W4	35 - 39	BB/PPT	1	8
LEARNING OUTCOME						
At the end of unit, students should be able to						
- Analyze the concept of syllogism - Describe the conditions and its problems						
Blood Relations						(2)
9.	Relations - Based on dialogue	T2, W5	466-470	BB/PPT	1	9
10.	Conversation method	T2	470-473	BB/PPT	1	10

LEARNING OUTCOME

At the end of unit, students should be able to

- Understand the concept of Blood relations
- Describe the conditions and its problems

COURSE OUTCOME

At the end of the course, the students will be able to

- Analyze the concepts and formulae for various quantitative aptitude methods.
- Identify and apply the various shortcut methods to solve the problems in aptitude.
- Enough confidence and knowledge on approaching aptitude.

CONTENT BEYOND THE SYLLABUS

1. Solving various Company Question papers.

P. SUGANYA 12/7/23

Prepared by
Ms. P. SUGANYA

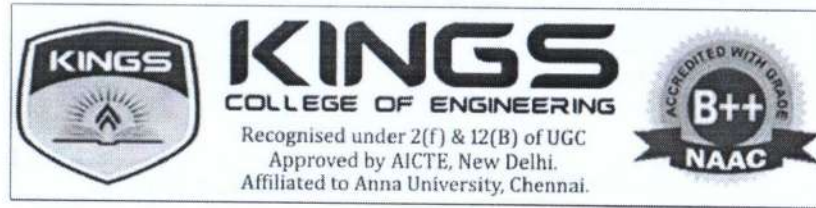
12/7/23
Verified By

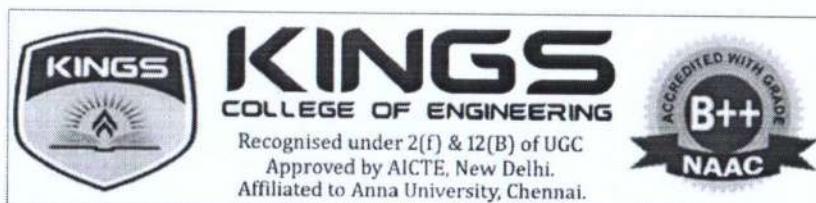
VP/HEAD (T&P)

P. SUGANYA
13/7/2023.

Approved by
PRINCIPAL

Verified
13/7/23

**DEPARTMENT OF TRAINING AND PLACEMENT****SUBJECT : Soft Skills – SK04****YEAR : II****SEMESTER : IV****PREPARED BY****Dr. B. Suresh Babu, AP****Dr. K. Sudhakar, AP**



DEPARTMENT OF TRAINING & PLACEMENT

SYLLABUS

SOFT SKILLS – II YEAR (Fourth Semester)

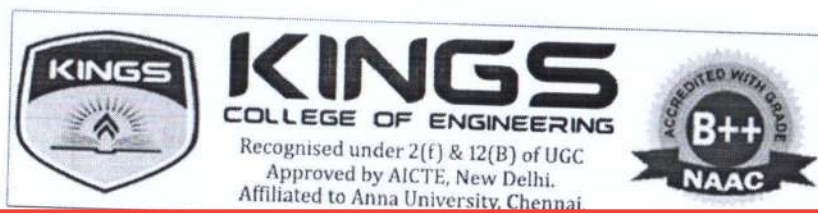
1. **Communication Skills Verbal - Oral Communication & Written Communication** 3
 Listening, Reading, Speaking, Writing, Letter Writing, Resume' Building, Tips on improved Written Communication
Work up Exercise – Speak Out five lines about the person who inspired you, Test your hand writing
2. **Body Language** 2
 Body talk – Forms of body language- Parts of Body Language – Types of Body language – Improving your body Language – Gestures and Body movement
Work up Exercise – Interpreting Body Language
3. **Priority Management & Time Management** 2
 Prioritization – levels – Stone, Pebbles, and Sand Experiment
Class Participation – List your priorities in life
Time Management - Availability of time – “Time” Resource -Become a Time Manager – resolve conflict between Urgent tasks & important tasks.
Work Up Exercise – Calculation of your one day routine- How you spend & How to spend
4. **Group Discussions** 3
 Need & Scope- Characters tested in a GD- Tips on GD – Types of GD – Skills required in a GD- Behavior in GD- Essential elements – GD Etiquette – Non verbal communication in a GD
Work up Exercise – Group Discussion

Total Periods: 10

[Signature]
8/3/24

STAFF INCHARGE

[Signature]
8/3/24
VP/HEAD T & P



DEPARTMENT OF TRAINING & PLACEMENT

COURSE PLAN

Sub. Name: Soft Skills

Staff Name: Dr. B. Suresh Babu

Dr. K. Sudhakar

Branch / Year / Sem : B.E (All Branches/II/IV)

Batch : 2022 – 2026

Academic Year : 2023 – 24(EVEN)

COURSE OBJECTIVE:

- To learn the importance of communication skills.
- To accomplish the knowledge on the basics of time and priority management.
- To impart knowledge about body language and its importance in corporate world.
- To train about group discussion and techniques to meet the corporate expectations.

TEXT BOOK:

T1. Soft Skills – Know yourself and the world - Dr. K. Alex– S. Chand & Co Ltd.

WEB RESOURCES

- W1.** <http://www.skillsyouneed.com/general/communication-skills.html>
W2. <http://www.positivityblog.com/index.php/2006/10/27/18-ways-to-improve-your-body-language/>
W3. https://www.mindtools.com/pages/main/newMN_HTE.htm
W4. <https://www.tcyonline.com/tests/gd-group-discussion>

Topic No	Topic	Books for Reference	Page No.	Teaching Methodology	No. of Hours Required	Cumulative No. of periods
COMMUNICATION SKILLS VERBAL - ORAL COMMUNICATION & WRITTEN COMMUNICATION						3
1.	Listening, Reading Speaking, Writing	T1,W1	67-87 88-108	BB	1	1
2.	Letter Writing, Resume' Building	T1	109-116 183-202	BB	1	2
3.	Tips on improved Written Communication	T1,W1	106	BB	1	3
LEARNING OUTCOME						
At the end of unit, students should be able to						
- Analyze the concept of communication skills - Understand and Improve listening, reading, writing and speaking skills.						
BODY LANGUAGE						2
4.	Body talk – Forms of body language, Parts of Body Language	T1	119-120 120-121	BB	1	4
5.	Types of Body language Improving your body Language,Gestures and Body movement	T1, W2	122-125 125-127	PPT	1	5
LEARNING OUTCOME						
At the end of unit, students should be able to						
- Understand the concept of body language. - Application of body language in real life situation.						
PRIORITY MANAGEMENT & TIME MANAGEMENT						2
6.	<u>Class Participation</u> – List your priorities in life	T1	225-226	BB	1	6
7.	Availability of time – “Time” Resource -Become a Time Manager resolve conflict between Urgent tasks & important tasks	T1, W3	229-233	BB	1	7
LEARNING OUTCOME						
At the end of unit, students should be able to						
- Describe and Compare priorities to execute in proper way. - Analyze and solve the problems raised due to lack of time management.						
GROUP DISCUSSIONS						3
8.	Need & Scope Characters tested in a GD- Tips on GD	T1,W4	149-150 149-151	BB BB	1	8
9.	Types of GD Skills required in a GD	T1	151-152 152-154	BB PPT	1	9
10.	GD Etiquette – Non verbal communication in a GD	T1	154-156	BB	1	10
LEARNING OUTCOME						
At the end of unit, students should be able to						
- Analyze the concept of GD. - Aware and confident enough to attend Group Discussion without fear.						

COURSE OUTCOME

At the end of the course, the students will be able to

- Enhancement of communication skills such as listening, reading, writing, speaking skills.
- Identify and apply the body language in suitable situation.
- Enough confidence and knowledge in appearing Group Discussion.

CONTENT BEYOND THE SYLLABUS

Video presentation related to Communication Skills, Body Language and Group Discussion.



Prepared by
Dr. B. SURESHBABU/AP
Dr. K. SUDHAKAR/AP


VP/HEAD - T & P

J. Muthi
08/13/2024
Approved by
PRINCIPAL

Verified

8/3/24



DEPARTMENT OF TRAINING & PLACEMENT

SUBJECT : QUANTITATIVE APTITUDE – AP04

YEAR/ SEMESTER: II /IV

PREPARED BY

Ms. P.SUGANYA/AP

**TRAINING MODULES****AP04 - QUANTITATIVE APTITUDE – II YEAR (Fourth Semester)**

Problems on Ages – Introduction – Conditions of ago, before and after, hence -Problems 2

Allegation or Mixture – Definition –mean price- rule of allegation or mixture –sample problems 2

Ratio and Proportion – Definition – important condition – formulae –difference between ratio and proportion 2

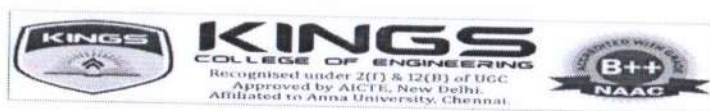
Partnership –Definition –ratio of division of gains –working and sleeping partners 2

Time and work –Introduction – Condition – formulae- sample problems 2

Total Periods : 10


STAFF INCHARGE


VP/HEAD T&P

**DEPARTMENT OF TRAINING & PLACEMENT****COURSE PLAN**

Sub. Name: Quantitative Aptitude
Name : Ms P.Suganya

Branch / Year / Sem : B.E (All Branch/II/IV)
Batch : 2022-2026
Academic Year : 2023-24(Even)

COURSE OBJECTIVE:

1. To learn the importance of quantitative aptitude to compete in the recruitment process.
2. To accomplish the knowledge on the basics of aptitude and solving methods.
3. To build skills to solve various problems using shortcut methods.
4. To expose the enabling methodologies in solving the aptitude.

TEXT BOOK

T1. Quantitative Aptitude - R. S. Aggarwal – S. Chand Publications

WEB RESOURCES

- W1.** www.indiabix.com
W2. www.sawaal.com
W3. www.freshersworld.com
W4. www.testpot.com
W5. www.math4.com

(Topic No: 01, 02, 03, 04, 05)
(Topic No: 02)
(Topic No: 03)
(Topic No: 04)
(Topic No: 05)

Topic No	Topic	Books for Reference	Page No.	Teaching Methodology	No. of Hours Required	Cumulative No. of periods
Problems on Ages						(2)
1.	Introduction – conditions of ago, before	T1,W1	182 -183	BB/PPT	1	1
2.	After, hence -Problems	T1, W1	184 -192	BB/PPT	1	2
LEARNING OUTCOME At the end of unit, students should be able to - Analyze the concept of problems on age - Realize the difference between before and hence problems						
Allegation or Mixture						(2)
3.	Definition –mean price- rule of allegation or mixture	T1,W1,W2	435 -437	BB/PPT	1	3
4.	Sample problems	T1,W1,W2	438 -444	BB/PPT	1	4
LEARNING OUTCOME At the end of unit, students should be able to - Outline knowledge Allegation or Mixture - Explain the Allegation or Mixture						
Ratio and Proportion						(2)
5.	Definition – important condition – formulae	T1,W1,W3	139 -141	BB/PPT	1	5
6.	Difference between ratio and proportion	T1W1,W3	142 -160	BB/PPT	1	6
LEARNING OUTCOME At the end of unit, students should be able to - Describe Ratio and Proportion - Analyze and solve the problems on Ratio and Proportion						
Partnership						(2)
7.	Definition –ratio of division of gains	T1,W1,W4	311-313	BB/PPT	1	7
8.	Working and sleeping partners	T1,W1,W4	314-317	BB/PPT	1	8
LEARNING OUTCOME At the end of unit, students should be able to - Describe working and sleeping partner - Analyze and solve the problems						
Time and Work						(2)
9.	Introduction – Condition – formulae and Problems	T1,W1,W5	341 -344	BB/PPT	1	9
10.	Sample problems	T1, W1,W5	345 -350	BB/PPT	1	10

LEARNING OUTCOME

At the end of unit, students should be able to

- Analyze the concept of Time and Work
- Realize Time and Work

COURSE OUTCOME

At the end of the course, the students will be able to

- Analyze the concepts and formulae for various quantitative aptitude methods.
- Identify and apply the various shortcut methods to solve the problems in aptitude.
- Enough confidence and knowledge on approaching aptitude.

CONTENT BEYOND THE SYLLABUS

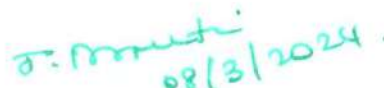
1. Solving various Company Question papers.



Prepared by
Ms. P. SUGANYA



Verified by
VP/HEAD T&P



08/3/2024

Approved by
PRINCIPAL

Verified



08/3/24



DEPARTMENT OF TRAINING AND PLACEMENT

SUBJECT : SOFT SKILLS – SK06

YEAR : III

SEMESTER : VI

PREPARED BY

Dr. B. Suresh Babu, AP

Dr. K. Sudhakar, AP



TRAINING MODULE

SK06 – SOFT SKILLS – III YEAR (Sixth Semester)

1. Career Planning

2

Introduction – Developing career goals – Benefits of career planning – Guidelines for choosing a career – Tips for successful career planning

Exercise – Prepare yourself a better career planning

2. Communication Skills

Art of Listening – Art of Reading – Art of Speaking – Art of Writing - Art of writing e-mail 2

Exercise – Test your communication skills

3. Etiquette and Manners

Etiquette introduction – Modern Etiquette – Benefits of Etiquette – Introduction to Manners - Poor Manners noticed in youth – Why should you practice good manners?

Exercise – Test your Etiquette and Manners through online mode.

3

4. Resume Building

Difference between Bio – data, CV, Resume, CV writing tips – Dos & Don'ts in CV writing, Designs of CV – Content, Sequence Electronic CV tips – Cover letter – CV samples. 3

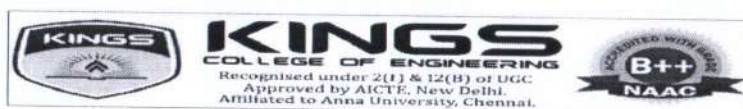
Books for Reference:

Soft Skills – Know yourself and the world - Dr. K. Alex- S. Chand & Co Ltd.

Total Periods: 10

STAFF INCHARGE

2/11/24
VP/HEAD T & P

**DEPARTMENT OF TRAINING & PLACEMENT****COURSE PLAN**

Sub. Name : Soft Skills	Branch/Year/Sem : B.E (All Branches/III/VI)
Staff Name : Dr. B. Suresh Babu & Dr. K. Sudhakar	Batch : 2021 – 2025 Academic Year : 2023 – 24(EVEN)

COURSE OBJECTIVE:

1. To learn the importance of Career Planning.
2. To accomplish the knowledge on the communication skills.
3. To build skills to face challenges in the competitive world
4. To expose the right etiquette and manners in the society
5. To enhance the time management skills to meet challenges in employment.

BOOKS FOR REFERENCE:

T1. Soft Skills – Know yourself and the world - Dr. K. Alex– S. Chand & Co Ltd.

WEB RESOURCES

- W1. <https://leverageedu.com/blog/career-planning-and-development/> (Topic No:1)
- W2. <https://www.livecareer.com/resources/careers/planning/career-planning-tips> (Topic No:2)
- W3. <https://lonerwolf.com/the-art-of-listening/> (Topic No:3)
- W4. <https://in.indeed.com/career-advice/career-development/email-writing-skills> (Topic No:4)

Topic No	Topic	Books for Reference	Page No.	Teaching Methodology	No. of Hours Required	Cumulative No. of periods
----------	-------	---------------------	----------	----------------------	-----------------------	---------------------------

Career Planning

2

1.	Introduction – Developing career goals – Benefits of career planning	T1 W1	57-66	BB, Class room Exercise/PPT	1	1
2.	Guidelines for choosing a career – Tips for successful career planning Exercise – Prepare yourself a better career planning.	W2 T1	--- 57-66	BB, Class room Exercise/PPT	1	2

LEARNING OUTCOME

At the end of unit, students should be able to

- Analyze the need for soft skills.
- Understand the importance of positive attitude.

Communication Skills

2

3.	Art of Listening – Art of Reading – Art of Speaking – Art of Writing	T1 W3	88-108 ---	BB, Class room Exercise/PPT	1	3
4.	Art of writing e-mail Exercise–Test your communication skills.	W4 T1	-- 103-116	BB, Class room Exercise/PPT	1	4

LEARNING OUTCOME

At the end of unit, students should be able to

- Understand various concepts of phobias.
- Identify the keys to overcome fear.

Etiquette and Manners

3

5.	Etiquette introduction – Modern Etiquette – Benefits of Etiquette.	T1	162-182	BB, Class room Exercise/PPT	1	5
6.	Introduction to Manners, Poor Manners noticed in youth – Why should you practice good manners? Exercise – Test your etiquette and Manners through online mode.	T1	162-182	BB, Class room Exercise/PPT	1	6
7.	Manners –Exercise good manners, manners at wheel, in flight, professional manners & Social Manners.	T1	169-179	BB, Class room Exercise/PPT	1	7

LEARNING OUTCOME

At the end of unit, students should be able to

- Learn various etiquette
- Analyze the types of interviews
- Understand the manners and applying of manners in right situation

Resume Building						3
8.	Difference between Bio – data, CV, Resume	T1	185 -186	BB, Class room Exercise/PPT	1	8
9.	CV writing tips – Dos & Don'ts in CV writing Designs of CV–Content, Sequence	T1	187-189 189-192	BB, Class room Exercise/PPT	1	9
10.	Electronic CV tips – Cover letter – CV samples.	T1	193-195	BB, Class room Exercise/PPT	1	10
LEARNING OUTCOME At the end of unit, students should be able to - Analyze Differences between Bio – data, CV, Resume - Know and analyze content and sequences of CV						

COURSE OUTCOME

At the end of the course, the students will be able to

- Attend interviews without fear.
- Participate in GD and public debates
- Enough confidence and knowledge on facing challenges.
- Write a appropriate CV for a job
- Know about manners & Etiquette

CONTENT BEYOND THE SYLLABUS

Application of soft skills in real life – Analysis and Activity.



Prepared by
Dr. B.SURESHBABU
Dr. K. SUDHAKAR

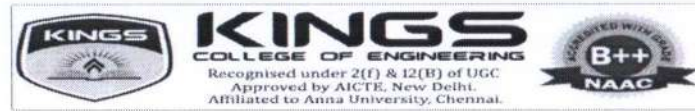


Verified by
VP/HEAD – T & P



Approved by
PRINCIPAL





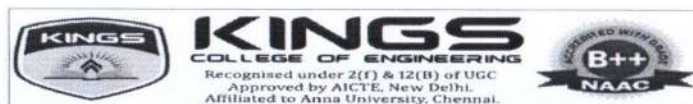
DEPARTMENT OF TRAINING & PLACEMENT

SUBJECT : QUANTITATIVE APTITUDE – APO6

YEAR/ SEMESTER: III /VI

PREPARED BY

Ms. P.SUGANYA/AP

**TRAINING MODULE****AP06 – QUANTITATIVE APTITUDE – III YEAR (Sixth Semester)**

Permutation and Combination –Definition – Factorial notation and examples, Difference between Permutation and Combination –Number of Combinations 2

Probability – Definition – conditions of coins, dice, cards and sample space and probability formulae – Problems 2

Average – Definition – formulae –average speed and sample problems 2

Time and Distance -Introduction-conditions–formulae and problems 2

Problems on Ages –Introduction – Conditions of ago, before and after, hence -Problems 2

Total Periods : 10


STAFF INCHARGE


VP/HEAD T&P

**DEPARTMENT OF TRAINING & PLACEMENT****COURSE PLAN****Sub. Name: Quantitative Aptitude****Name : Ms P.Suganya****Branch / Year / Sem : B.E (All Branches/III/VI)****Batch : 2021-2025****Academic Year : 2023-24(Even)****COURSE OBJECTIVE:**

1. To learn the importance of quantitative aptitude to compete in the recruitment process.
2. To accomplish the knowledge on the basics of aptitude and solving methods.
3. To build skills to solve various problems using shortcut methods.
4. To expose the enabling methodologies in solving the aptitude.

TEXT BOOK**T1. Quantitative Aptitude - R. S. Aggarwal – S. Chand Publications****WEB RESOURCES****W1. www.indiabix.com****W2. www.sawaal.com****W3. www.freshersworld.com****W4. www.testpot.com****W5. www.math4.com****(Topic No: 01, 02, 03, 04, 05)****(Topic No: 02)****(Topic No: 03)****(Topic No: 04)****(Topic No: 05)**

S. No	Topic	Books for Reference	Page No.	Teaching Methodology	No. of Hours Required	Cumulative No. of periods
Topic 1 Permutation and Combination						(2)
1.	Definition – Factorial notation and examples,	T1,W1	613-615	BB/PPT	1	1
2.	Difference between Permutation and Combination –Number of Combinations	T1,W1	616-620	BB/PPT	1	2
LEARNING OUTCOME At the end of unit, students should be able to - Analyze the concept of Permutation and Combination - Identify the difference between Permutation and Combination						
Topic 2 Probability						(2)
3.	Definition – conditions of coins, dice, cards and sample space	T1,W1,W2	621-623	BB/PPT	1	3
4.	Probability formulae – Problems	T1,W1,W2	624-631	BB/PPT	1	4
LEARNING OUTCOME At the end of unit, students should be able to - Outline knowledge on Probability - Explain the difference between sample space, event and probability						
Topic 3 Average						(2)
5.	Definition – formulae – average speed	T1,W1,W3	139 -141	BB/PPT	1	5
6.	Sample problems	T1,W1,W3	142 -160	BB/PPT	1	6
LEARNING OUTCOME At the end of unit, students should be able to - Describe average - Analyze and solve the problems on average						
Topic 4 Time and Distance						(2)
7.	Introduction-conditions-formulae	T1,W1,W4	384 -386	BB/PPT	1	7
8.	Sample Problems	T1W1,W4	387 -393	BB/PPT	1	8
LEARNING OUTCOME At the end of unit, students should be able to - Describe Time and Distance - Analyze and solve the problems						
Topic 5 Problems on Ages						(2)
9.	Introduction – Conditions of ago, before	T1,W1,W5	182 -183	BB/PPT	1	9
10.	After, hence -Problems	T1,W1, W5	184 -192	BB/PPT	1	10
LEARNING OUTCOME At the end of unit, students should be able to - Analyze the concept of problems on age - Realize the difference between before and hence problems						

COURSE OUTCOME

At the end of the course, the students will be able to

- Analyze the concepts and formulae for various quantitative aptitude methods.
- Identify and apply the various shortcut methods to solve the problems in aptitude.
- Enough confidence and knowledge on approaching aptitude.

CONTENT BEYOND THE SYLLABUS

1. Solving various Company Question papers.

P. Suv.

Prepared by
Ms. P. SUGANYA

3/1/24

Verified by
VP/HEAD T&P

J. M. M. T.
31/1/2024

Approved by
PRINCIPAL

Verified
31/1/24



DEPARTMENT OF TRAINING AND PLACEMENT

SUBJECT : Soft Skills – SK08

YEAR : IV

SEMESTER : VIII

PREPARED BY

Dr. B. Suresh Babu, AP

Dr. K. Sudhakar, AP

**TRAINING MODULE****SK08 – SOFT SKILLS – IV YEAR (Eight Semester)****1. Professional and Professionalism****4**

Introduction – Traits and Qualities of professional and professionalism – traits of professionals and – skills required during campus to corporate transition- matching your traits with current corporate trends.

2. Interview Skills**4**

A to Z of interview – Types of interview – Phone interview – Questions Asked – Reason for rejecting the candidate – on the day of interview.

3. Group Discussion**4**

Need and Scope – Characters Tested in a GD – Tips on GD – Types of GD – Skills Required in a GD – Behaviour in GD – Essential Elements – GD Etiquette – Non Verbal Communication in a GD.

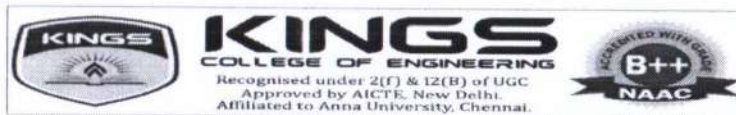
4. Leadership Qualities & Work Culture:**4**

Introduction – types of leadership – Leaders are born or made – common skills required for a successful leader – communication skills, public speaking skills, attitude, perseverance, empathy & etc, Work Culture: Introduction to Values – A model of team building – role team members.

5. Stress Management**4**

Introduction – Kinds of stress - Sources of stress – Effects of stress – Spotting stress in you – Exercise – Test your level of stress.

Total Periods: 20**STAFF INCHARGE****VP/HEAD T & P**

**DEPARTMENT OF TRAINING & PLACEMENT****COURSE PLAN**

Sub. Name: Soft Skills	Branch / Year / Sem : B.E(All Branches/IV/VIII)
Staff Name: Dr. B. Suresh Babu & Dr. K. Sudhakar	Batch : 2020-2024
	Academic Year : 2023-24(EVEN)

COURSE OBJECTIVE:

- To learn the importance of interview skills to compete in the recruitment process.
- To accomplish the knowledge on the basics of stress management.
- To build skills to participate in group discussions.
- To impart and enhance the skills required for work culture to stick on for corporate life.
- To build a better career opportunity path.

TEXT BOOKS

T1. Soft Skills – Know yourself and the world - Dr. K. Alex– S. Chand & Co Ltd.

WEB RESOURCES

- W1. <https://www.mindtools.com/a8m62mr/6-traits-of-a-true-professional-video> (Topic No:1)
- W2. <https://www.indeed.com/career-advice/career-development/transitioning-from-college-to-workplace> (Topic No:2)
- W3. <https://www.questionpro.com/blog/types-of-interviews/> (Topic No:3)
- W4. <http://www.gcflernfree.org/interviewingskills/> (Topic No:4)
- W5. <https://www.mindtools.com/a2fjsj1/what-is-leadership> (Topic No:7)
- W6. <https://www.achievers.com/blog/organizational-culture-definition/> (Topic No:8)
- W7. <https://www.rajras.in/stress-nature-types-sources-symptoms-effects/> (Topic No: 9,10)

Topic No	Topic	Books for Reference	Page No.	Teaching Methodology	No. of Hours Required	Cumulative No. of periods
1. Professional and Professionalism						4
1.	Introduction – Traits and Qualities of professional and professionalism – traits of professionals	W1	-	PPT	2	2
2.	skills required during campus to corporate transition- matching your traits with current corporate trends	W2	-	PPT, BB, Class Room Exercise	2	4
LEARNING OUTCOME At the end of unit, students should be able to - Understand the concept of professional. - Analyze about the skills needed to be a professional. - Practice professionalism in corporate culture.						
2. Interview Skills						4
3.	A to Z of interview – Types of interview–Phone interview	T1, W3	164-168	PPT	2	6
4.	Questions Asked – Reason for rejecting the candidate – On the day of interview.	T1, W4	169-177	BB, Class Room Exercise	2	8
LEARNING OUTCOME At the end of unit, students should be able to - Understand the concept of interview. - Analyze about skills related to attend interviews. - Awareness about the reasons for rejection of candidature						
3. Group Discussion						4
5.	Need and Scope – Tips on GD – Types of GD- Skills Required in a GD – Behavior in GD	T1	147 - 150	PPT	2	10
6.	Essential Elements – GD Etiquette – Non Verbal Communication in a GD - Characters Tested in a GD.	T1	150 - 151	PPT, Video, BB Class Room Exercise	2	12
LEARNING OUTCOME At the end of unit, students should be able to - Understand the concept of group discussion - Identify the skills and behaviors required to attend a group discussion - Ascertain dos and don'ts in group discussions						
4. Leadership Qualities & Work Culture						4
7.	Introduction – types of leadership – Leaders are born or made - common skills required for a successful leader communication skills, public speaking skills	W5	-	PPT, Video	2	14

8.	Attitude, perseverance, empathy & etc Work Culture - Introduction to Values - Individual behavior in work place- team building	T1 W6	100 34 - 40 137 - 145	PPT, Video, BB, Class Room Exercise	2	16
----	--	----------	-----------------------------	-------------------------------------	---	----

LEARNING OUTCOME

At the end of unit, students should be able to

- Understand the concept of leadership concept and styles.
- Analyze about the various skills needed to become a good leader.
- Understand the recent trends in work culture.
- Analyze the inner qualities needed to cope up with work culture efficiently.

5. Stress Management**4**

9.	Introduction - Kinds of stress - Sources of stress	T1, W7	237,239-240	PPT	2	18
10.	Effects of stress - Spotting stress in you - Exercise - Test your level of stress.	T1, W7	238,244-247	PPT, BB, Class Room Exercise	2	20

LEARNING OUTCOME

At the end of unit, students should be able to

- Understand the concept of stress.
- Analyze about the reasons for causing of stress.
- Awareness about the measures taken to overcome stress.

COURSE OUTCOME

At the end of the course, the students will be able to

- Present themselves as professional.
- Understand and apply the interview skills.
- Identify and apply skills required to get through in group discussions
- Cope up with stress in personal and corporate life
- Have confidence and knowledge while approaching work culture

CONTENT BEYOND THE SYLLABUS

Mock interviews and Group Discussions.



Prepared by

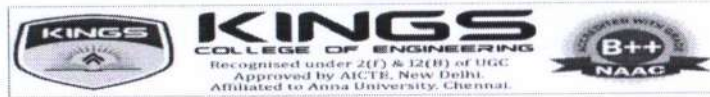
Dr. B. SURESHBABU/AP

Dr. K. SUDHAKAR/AP



VP/HEAD - T & P


Approved by
PRINCIPAL

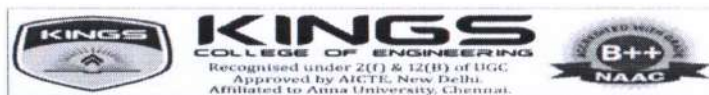
DEPARTMENT OF TRAINING & PLACEMENT

SUBJECT: QUANTITATIVE APTITUDE - AP08

YEAR/ SEMESTER: IV /VIII

PREPARED BY

**Ms. P.SUGANYA/AP
Dr. B.BARANKUMAR/AP**

**TRAINING MODULE****AP08 – QUANTITATIVE APTITUDE – IV YEAR (Eight Semester)**

Seating Arrangements –Definition, condition, Linear arrangements and Circular arrangements	4
Problems on Ages –Introduction – Conditions of ago, before and after, hence –Problems	4
Directions Sense Test – Introduction – Directions –Problems solving techniques	4
Mathematical Operations –Introduction, operators and artificial symbols and problems	4
Data Interpretation –Introduction, Bar charts, Pie charts and Table charts	4

Total Periods : 20

P. S. M.
STAFF INCHARGE


31/1/24
VP/HEAD T&P



DEPARTMENT OF TRAINING & PLACEMENT

COURSE PLAN

Sub. Name: Quantitative Aptitude	Branch / Year / Sem : B.E (All Branches/IV/VIII)
Name : Ms P.Suganya	Batch : 2020-2024
Dr. B.Barankumar	Academic Year : 2023-24(Even)

COURSE OBJECTIVE:

1. To learn the importance of quantitative aptitude to compete in the recruitment process.
2. To accomplish the knowledge on the basics of aptitude and solving methods.
3. To build skills to solve various problems using shortcut methods.
4. To expose the enabling methodologies in solving the aptitude.

TEXT BOOKS

- T1.** A Modern Approach to the verbal & Non – Verbal Reasoning – R. S. Aggarwal
T2. Quantitative Aptitude - R. S. Aggarwal – S. Chand Publications

WEB RESOURCES

W1. www.indiabix.com	(Topic No: 01, 02, 03, 04, 05)
W2. www.sawaal.com	(Topic No:02)
W3. www.freshersworld.com	(Topic No:03)
W4. www.testpot.com	(Topic No:04)
W5. www.math4.com	(Topic No:05)

S. No	Topic	Books for Reference	Page No.	Teaching Methodology	No. of Hours Required	Cumulative No. of periods
Topic No 1 Seating Arrangements (4)						
1.	Definition, condition, Linear arrangements	T1,W1	255 -258	BB/PPT	1	1
2.	Linear arrangements	TEST				2
3.	Circular arrangements	T1,W1	259-265	BB/PPT	1	3
4.	Circular arrangements	TEST				4
LEARNING OUTCOME						
At the end of unit, students should be able to						
- Analyze the concept of Seating Arrangements - Describe the conditions and its problems						
Topic No 2 Problems on Ages (4)						
5.	Introduction – Conditions of ago, before	T2,W1,W2	182 -183	BB/PPT	1	5
6.	Ago and Before	TEST				6
7.	After, hence -Problems	T2,W1,W2	184 -192	BB/PPT	1	7
8.	After, hence -Problems	TEST				8
LEARNING OUTCOME						
At the end of unit, students should be able to						
- Analyze the concept of Ages - Describe the conditions and its problems						
Topic No 3 Directions Sense Test (4)						
9.	Introduction –Directions Problems solving techniques	T1,W1,W3	416 -418	BB/PPT	1	9
10.	Direction Sense Test	TEST				10
11.	Sample problems	T1,W1,W3	419-440	BB/PPT	1	11
12.	Direction Sense Test	TEST				12
LEARNING OUTCOME						
At the end of unit, students should be able to						
- Describe Directions Sense Test - Analyze and solve the problems on Directions Sense Test						
Topic No 4 Mathematical Operations (4)						
13.	Introduction, operators and artificial symbols	T1,W1,W4	569 -570	BB/PPT	1	13
14.	Mathematical Operations	TEST				14
15.	Sample problems	T1,W1,W4	571 -573	BB/PPT	1	15
16.	Mathematical Operations	TEST				16
LEARNING OUTCOME						
At the end of unit, students should be able to						
- Describe Mathematical Operations - Analyze and solve the problems						
Topic 5 Data Interpretation (4)						
17.	Introduction, Bar chart,	T1,W1,W5	659 -694	BB/PPT	1	17
18.	Bar chart	TEST				18
19.	Pie chart and Table chart	T1,W1, W5	695-699	BB/PPT	1	19
20.	Pie chart	TEST				20

LEARNING OUTCOME

At the end of unit, students should be able to

- Analyze the concept of Data Interpretation
- Realize the Pie charts and Table charts

COURSE OUTCOME

At the end of the course, the students will be able to

- Analyze the concepts and formulae for various quantitative aptitude methods.
- Identify and apply the various shortcut methods to solve the problems in aptitude.
- Enough confidence and knowledge on approaching aptitude.

CONTENT BEYOND THE SYLLABUS

1. Solving various Company Question papers.

P. S.

Prepared by

Ms. P. SUGANYA

Dr. BARANKUMAR

[Signature]

31/1/24

Verified by

VP/HEAD T&P

J. Barankumar
31/1/2024

Approved by
PRINCIPAL

Verified
[Signature]
31/1/24



KINGS
COLLEGE OF ENGINEERING

NAAC Accredited & ISO Certified Institution

Recognized by UGC under 2(f) & 12(B)

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Punalkulam, Gandarvakottai Taluk, Pudukkottai District – 613 303.



Department of Training and Placement

This certificate is awarded to

**Mr./Ms. RUBIKA R/ II CIVIL for
successfully completed the “ADD-
ON” course on Soft Skills and
Aptitude during the academic year
2023 -2024.**



Vice Principal – Head/ T & P

Principal



KINGS
COLLEGE OF ENGINEERING

NAAC Accredited & ISO Certified Institution
Recognized by UGC under 2(f) & 12(B)
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Punalkulam, Gandarvakottai Taluk, Pudukkottai District – 613 303.



Department of Training and Placement

This certificate is awarded to

**Mr./Ms. JEEVA R / III CSE for
successfully completed the “ADD-
ON” course on Soft Skills and
Aptitude during the academic year
2023 -2024.**



Vice Principal – Head/ T & P

Principal



KINGS
COLLEGE OF ENGINEERING

NAAC Accredited & ISO Certified Institution

Recognized by UGC under 2(f) & 12(B)

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Punalkulam, Gandarvakottai Taluk, Pudukkottai District – 613 303.



Department of Training and Placement

This certificate is awarded to

**Mr./Ms. SNEHA S / IV CIVIL for
successfully completed the “ADD-
ON” course on Soft Skills and
Aptitude during the academic year
2023 -2024.**



Vice Principal – Head/ T & P

Principal



KINGS
COLLEGE OF ENGINEERING

NAAC Accredited & ISO Certified Institution

Recognized by UGC under 2(f) & 12(B)

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Punalkulam, Gandarvakottai Taluk, Pudukkottai District – 613 303.



Department of Training and Placement

This certificate is awarded to

**Mr./Ms. BARGAVI M/ II CSE for
successfully completed the “ADD-
ON” course on Soft Skills and
Aptitude during the academic year
2023 -2024.**



Vice Principal – Head/ T & P

Principal



KINGS
COLLEGE OF ENGINEERING

NAAC Accredited & ISO Certified Institution
Recognized by UGC under 2(f) & 12(B)
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Punalkulam, Gandarvakottai Taluk, Pudukkottai District – 613 303.



Department of Training and Placement

This certificate is awarded to

**Mr./Ms. GOWSIKA M / III ECE for
successfully completed the “ADD-
ON” course on Soft Skills and
Aptitude during the academic year
2023 -2024.**



Vice Principal – Head/ T & P

Principal



KINGS
COLLEGE OF ENGINEERING

NAAC Accredited & ISO Certified Institution

Recognized by UGC under 2(f) & 12(B)

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Punalkulam, Gandarvakottai Taluk, Pudukkottai District – 613 303.



Department of Training and Placement

This certificate is awarded to

**Mr./Ms. PRABATH C L / IV EEE for
successfully completed the “ADD-
ON” course on Soft Skills and
Aptitude during the academic year
2023 -2024.**



Vice Principal – Head/ T & P

Principal