

ACADEMIC YEAR 2021-2022 ADD ON / CERTIFICATE PROGRAMS







ACADEMIC YEAR 2021-2022

1.2.2.1 NUMBER OF ADDON/CERTIFICATE PROGRAMS OFFERED

S.No	Department	No. of Courses
1.	Civil Engineering	10
2.	Computer Science Engineering	14
3.	Electronics and Communication Engineering	09
4.	Electrical and Electronics Engineering	07
5.	Mechanical Engineering	09
6.	Science & Humanities	01
7.	Training & Placement	03
	TOTAL	53

Reddles 22/8/22 IQAC COORDINATOR

5. mil 8/20 0

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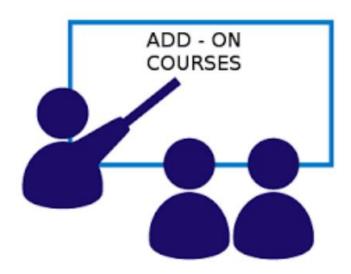
PRINCIPAL
Kings College of Engineering
PUNALKULAM - 613 393.







ACADEMIC YEAR 2021-2022



S.No	Department	Page No
1.	Civil Engineering	4-20
2.	Computer Science Engineering	21-146
3.	Electronics and Communication Engineering	147-178
4.	Electrical and Electronics Engineering	179-196
5.	Mechanical Engineering	197-226
6.	Science & Humanities	227-273
7.	Training & Placement	274-322
8.	IQAC – FOSS Training	323-326

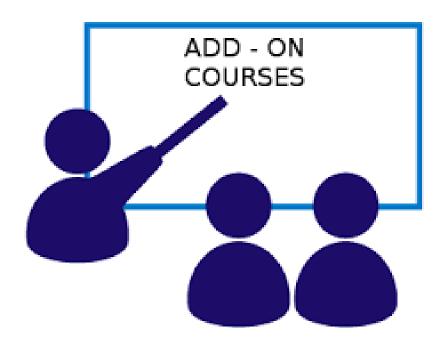
DEPARTMENT OF CIVIL ENGINEERING ACADEMIC YEAR 2021-2022







DEPARTMENT OF CIVIL ENGINEERING









DEPARTMENT OF CIVIL ENGINEERING

ADD ON PROGRAMS / CERTIFICATE COURSE DURING THE ACADEMIC YEAR

Academic Year 2021-22						
S.No	COURSE TITLE	NO. OF HOURS HANDLED	NO. OF STUDENTS ATTENDED			
1.	Value added course (VAC) on Construction Technology	30hrs	20			
2.	MHRD sponsored IIT Bombay certification course on "QCAD" – II Yr	30 hrs	22			
3.	MHRD sponsored IIT Bombay certification course on "INKSCAPE" – III Yr	30 hrs	20			
4.	MHRD sponsored IIT Bombay certification course on "LATEX" – IV Yr	30 hrs	27			
5.	SWAYAM course on "Building Cost Estimation simplified" - III Yr	30 hrs	15			
6.	SWAYAM course on "Concrete Technology" -	30 hrs	15			
7.	My Credit Course on "Sketchup" IV Yr	30 hrs	27			
8.	MHRD sponsored IIT Bombay certification course on "GIMP"– II Yr	30 hrs	22			
9.	MHRD sponsored IIT Bombay certification course on "BLENDER" – III Yr	30 hrs	20			
10.	MHRD sponsored IIT Bombay certification course on "BLENDER" – IV Yr	30 hrs	27			

Total No. of Add-on Courses organized: 10

No. of students Attended : 215

FACULTY IN-CHARGE

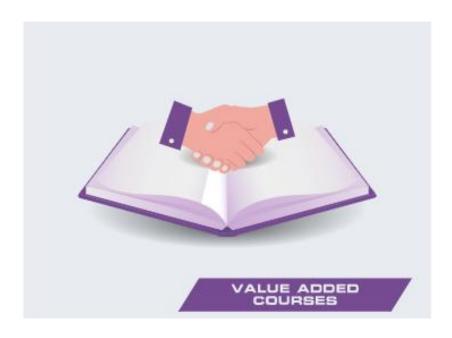
HOD/CIVIL

Department of Civil Engineering Kings College of Engineering, Thaniavur - 613 303 J. 180 25/11/2022.

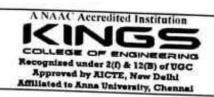
PRINCIPAL PRINCIPAL

Kings College of Engineering PUNALKULAM - 613 363

VALUE ADDED COURSE









DEPARTMENT OF CIVIL ENGINEERING

SUBJECT: CONSTRUCTION TECHNOLOGY

SEMESTER: V

QUESTION BANK (CVA001)
(Version: 3)

PREPARED BY
Mr.M.BALAJI, AP/CIVIL

CVA001

CONSTRUCTION TECHNOLOGY

LTPC 2002

UNIT I STANDARD METHODS OF MEASUREMENTS AND UNITS

6

System of units-Fundamental & Derived units-conversion of units -Civil engineering measurements- Measurements of materials and works-Accuracy of results.

UNIT II BUILDING PLANNING

6

Building plan-Specifications-Drawing- Building bye laws and Regulations

UNIT III ESTIMATION-ABSTRACT AND DETAILING

6

Types of Estimates-Detail & Abstract Estimates of Buildings- Analysis of Rates-Estimation of Quantities of Steel & RCC Elements-Earthwork calculations-Detailed estimate.

UNIT IV STRUCTURAL ELEMENTS

6

Materials for Reinforced Concrete-Bar Bending-Sheet centering-Scaffolding.

UNIT V FIELD/SITE WORK/CONSTRUCTION ACTIVITIES

6

Site marking-Foundation-Plinth Beam-Components of building

TOTAL: 30 PERIODS

H. B. L. Staffandfarge (Mr.m.Balaii)

HOD/CIVIL (Mrs.R.REVATHI)







DEPARTMENT OF CIVIL ENGINEERING COURSE PLAN

Sub. Code : CVA001

SubName : Construction Technology

Staff Name : Mr.M.Balaji

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

Batch : 2019-2023

Academic Year : 2021-2022 (ODD)

COURSE OBJECTIVE

Students will be able to:

- To learn the fundamental units of materials used in construction.
- To know the specifications used for building planning.
- · To learn the abstract Estimates of Buildings
- To understand the effect of bar bending in reinforced concrete.
- To know the field work in construction
- To know and understand the general construction processes and their sequences

TEXTBOOKS:

T1. N.Mathankumar, "Estimating and Quantity Surveying", ARS Publications, Chennai 2018

T2. G.S.Birdie and T.D.Ahuja., "Building Construction and Construction materials", Dhanpat Rai Publishing Company, 4th edition, New Delhi, 2007.

REFERENCES:

R1.Karthikeyan.N,V.Soundararajan, K.Chandrasekar, "Construction Materials", ARS Publications, Chennai, 2015.

R2.Bhavikatti.S.S, "Building Materials", Vikas Publishing House Pvt Ltd, 2015.

WEB RESOURCES

W1.https://www.slideshare.net/mrmartella/standards-of-measurement-presentation

(Topic.No:01)

W2. https://www.slideshare.net/RCNandish/bye-laws

(Topic.No:10)

W3. https://nptel.ac.in/courses/105104161/8

(Topic.No:12)

W4. https://nptel.ac.in/courses/105102088/2

(Topic.No:17)

W5. https://nptel.ac.in/courses/105/102/105102088/#

(Topic.No:20)

Topic	Books for Reference	Page No.	Teaching Methodology	No. of Hours Required	ve No. of periods
System of units	T1 W1	1.8	BB	1	1
Fundamental & Derived units	Т1	1.8	BB	1	2
Conversion of units	T1	1.8	RR	1	3
Civil engineering measurements	T1 R1	1.11 17,35	ВВ	1	4
Measurements of materials and works	Т1	95-112	BB	1	5
Accuracy of results	T1	1.10	BB	1	6
	STANDARI System of units Fundamental & Derived units Conversion of units Civil engineering measurements Measurements of materials and works	STANDARD METHODS (System of units T1 W1 Fundamental & T1 Derived units Conversion of units T1 Civil engineering T1 measurements R1 Measurements of materials and works T1	STANDARD METHODS OF MEASUR System of units T1	STANDARD METHODS OF MEASUREMENTS AND U System of units T1	Topic Reference Page No. Teaching Methodology Required STANDARD METHODS OF MEASUREMENTS AND UNITS System of units T1 1.8 BB PPT Fundamental & T1 1.8 BB PPT Fundamental & T1 1.8 BB BB 1 Conversion of units T1 1.8 BB 1 Civil engineering T1 1.11 BB BB 1 Civil engineering T1 1.11 BB BB 1 Measurements of materials and works T1 95-112 BB 1

At the end of this unit, students will be able to

Learn about the Fundamental & Derived units

Understand the Civil engineering measurements

UNIT II	BUILDING PLANNING							
7	Building plan	T2 R2	26.489 1.1	ВВ	2	8		
8	Specifications	T1 T2	3.16-3.37 21.435- 21.449	ВВ	1	9		
9	Drawing	Т2	26.491- 26.502	ВВ	2	11		
10	Building bye laws and Regulations	T2 W2	26.493	BB PPT	1	12		

LEARNING OUTCOME

At the end of this unit, students will be able to

Draw the Building plan

Study the building regulations

UNIT I	II ESTIM	MATION-ABSTRACT AND DETAILING				
11	Types of Estimates	T1	1.3	BB	1	13
12	Detail & Abstract Estimates of Buildings	T1 W3	1.5-1.6	BB NPTEL	1	14
13	Analysis of Rates	T1 T2	3.4-3.9 21.439	ВВ 🛒	1	15
14	Estimation of Quantities of Steel & RCC Elements	T1	1.12-1.16	BB 31	1	16
15	Earthwork calculations	T1 R1	2.42 126	ВВ	1	17
16	Detailed estimate	T1	1.7-1.88	ВВ	1	18

LEARNING OUTCOME

At the end of this unit, students will be able to

Study the analysis of rates

Understand the Earthwork calculations

Topic No	Topic	Books for Reference	Page No.	Teaching Methodology	No. of Hours Required	Cumulat ve No. of periods
UN	IIT IV	STRUCTU	RAL ELEME	NTS		6
17	Materials for Reinforced Concrete	T2 R1 W4	18.348 95-115	BB NPTEL	2	20
18	Bar Bending	T2 R2	18.350 4.20	PPT	1	21
19	Sheet centering	T2	7.178	BB	2	23
20	Scaffolding	T2 W5	7.172	NPTEL	1	24

LEARNING OUTCOME

At the end of this unit, students will be able to

. Know the materials required for Reinforced Concrete

Understand the requirement of bar bending and Sheet centering

UNIT V FIELD/SITE WORK/CONSTRUCTION ACTIVITIES							
21	Site marking	T2	2.13-2.14	On site	2	26	
22	Foundation	T2 R2	3.2-3.5 4.2	On site	2	28	
23	Plinth Beam	T2	3.69	On site	1	29	
24	Components of building	T2	8.185 9.217 10.235	On site	1	30	

LEARNING OUTCOME

At the end of this unit, students will be able to

- Do the Site marking in Construction
- Know the reinforcement detailing in Foundation

COURSE OUTCOME

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

- To understand the knowledge of planning and construction
- Learn the building bye laws and regulations
- Know the sustainable concept in constructions
- Understand the concept of doing scaffolding in construction site

CONTENT BEYOND THE SYLLABUS

Study of building construction in India.

INTERNAL ASSESMENT DETAILS

ASS NO	1	, II
TOPIC	1-14	15-24
DATE		

Prepared Mr. M. RALAII. AP/CIVIL

J. Maruta 2021

Approved by PRINCIPAL Verified By HOD/CIVIL



A NAAC Accredited Institution KINGS COLLEGE OF ENGINEERING Recognised under 2(f) & 12(8) of UGC Approved by AIGTE, New Delhi Affiliated to Anna University, Chennal



DEPARTMENT OF CIVIL ENGINEERING TIME TABLE (AUG 2021 - DEC 2021, ODD SEM) VALUE ADDED COURSE: B.E - CE (Regulation 2017)

Session	1	2	3	(501221000)	4	5
Day	09:30 AM 10:30 AM	10:30 AM 11:30 AM	11:30 AM - 12:30 PM	12:30 PM 01:30 PM	01:30 PM - 02:30PM	02:30 PM 03:30PM
SAT	CVA001	(Construction Te	chnology)	LUNCH		

SUB	NAME OF THE SUBJECT	CREDITS	NAME OF THE STAFF	DEPT	PERIODS/WEEK
CVA001	Consrtuction Technology	2	Mr.M.Balaji	CE	3

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PRINCIPAL







DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2021-2022 (ODD SEMESTER)

VALUE ADDED COURSE-REPORT

"CVA001-CONSTRUCTION TECHNOLOGY"

The department of civil engineering, Kings College of engineering, conducted a value added course titled on "CVA001-CONSTRUCTION TECHNOLOGY" from 18.08.2021 to 30.11.2021 for the pre-final year (V semester) civil students. Totally 20 students have enrolled for the course. Mr.M.BALAJI AP/CIVIL Coordinated the course.

After getting approval from HOD/CIVIL and Principal of kings college of engineering, the syllabus of value added course construction technology was approved from the director, center for academic courses, Anna university, Chennai with the course code CAV001. 2 credits are assigned to the value added course by the Anna University. The course commences on 18.08.2021 and ends on 30.11.2021. The course was successfully completed for the batch 2019-2023.

SESSION DETAILS

VAC session was handled by Mr. M.BALAJI AP/CIVIL, he discussed about the process of finding an estimate, or approximation, which is a value that is usable for some purpose even if input data may be incomplete, uncertain, or unstable. The value is nonetheless usable because it is derived from the best information available.

He also explained the overall planning, coordination, and control of a construction process from the start to the end. The objectives of project management are to produce a project that meets client requirements on budget and schedule, and at acceptable risk, quality, and safety. He also discussed about the

- Basic measurements and SI units
- Building planning and its specification.
- Quantity and Quality of Building materials
- Estimation and costing.

H. B. II STAFF HACHARGE (Mr.M.BALAJI) HOD/CIVIL Mrs.R.REVATHI)

SWAYAM COURSE



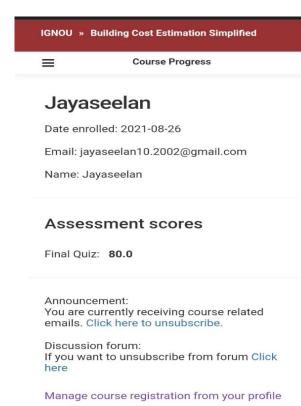


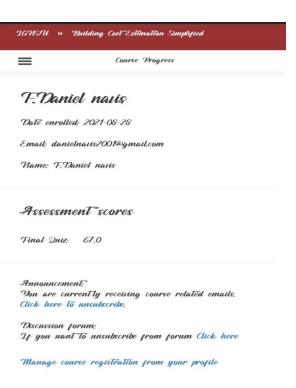


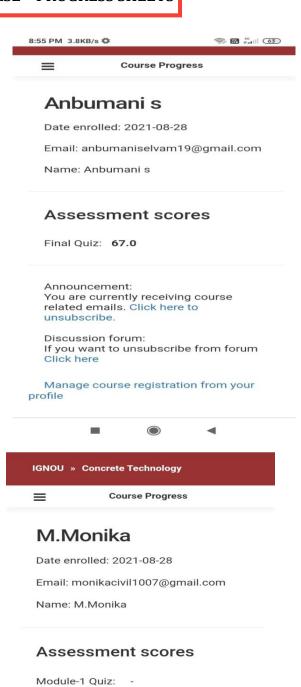


DEPARTMENT OF CIVIL ENGINEERING ACADEMIC YEAR 2021-22 (ODD SEM)

III YR CIVIL SWAYAM COURSE - PROGRESS SHEETS







Module-2 Quiz:

Announcement:

unsubscribe.

Final Assignment: 63.0

You are currently receiving course

related emails. Click here to

Course Progress

S.Divya

Date enrolled: 2021-08-27

Email: shandivyaer@gmail.com

Name: S.Divya

Assessment scores

Final Quiz: 80.0

Announcement:

You are currently unsubscribed from course related emails. Click here to resubscribe.

Discussion forum:

If you want to unsubscribe from forum

IGNOU » Building Cost Estimation Simplified



Course Progress

Janani. T. S

Date enrolled: 2021-08-27

Email: jj4718999@gmail.com

Name: Janani. T. S.

Assessment scores

Final Quiz: 77.0

Announcement:

IGNOU » Concrete Technology

Course Progress

Madhumitha.R

Date enrolled: 2021-08-27

Email:

madhumitharamkumar123@gmail.com

Name: Madhumitha.R

Assessment scores

Module-1 Quiz:

Module-2 Quiz:

Final Assignment: 67.0



Concrete Technology -...

Course Progress





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Sathya.p

Date enrolled: 2021-08-27

Email: sathya1422002@gmail.com

Name: Sathya.p

Assessment scores

Module-1 Quiz: **70.0**Module-2 Quiz: **50.0**Final Assignment: **73.0**

Announcement:

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

Discussion forum:

If you want to unsubscribe from forum Click here

Manage course registration from your profile

IGNOU » Building Cost Estimation Simplified

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Course Progress

Kuralarasan

Date enrolled: 2021-08-27

Email: vrtkural2002@gmail.com

Name: Kuralarasan

Assessment scores

Final Quiz: 77.0

Announcement:

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

Discussion forum:

If you want to unsubscribe from forum Click here

IGNOU » Building Cost Estimation Simplified

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Course Progress

N. Jayachandran

Date enrolled: 2021-08-27

Email: jayachanran002@gmail.com

Name: N. Jayachandran

Assessment scores

Final Quiz: 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

IGNOU » Building Cost Estimation Simplified

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Course Progress

SANTHOSH

Date enrolled: 2021-08-26

Email: 9360santhosh@gmail.com

Name: SANTHOSH

Assessment scores

Final Quiz: 80.0

Announcement:

You are currently receiving course

IGNOU » Building Cost Estimation Simplified

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Course Progress

Agalya.B

Date enrolled: 2021-08-27

Email: aagalya559@gmail.com

Name: Agalya.B

Assessment scores

Final Quiz: 80.0

MY CREDIT COURSE





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Approved by A1CTE, New Delhi

Affiliated to Anna University, Chennal



DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2021 - 2022 EVEN SEMESTER

MY CREDIT COURSE (SKETCHUP) REPORT

The Department of Civil Engineering in association with CADD Centre, Thanjavur organized a My Credit course (SKETCHUP) for IV Year students

OBJECTIVE

The objective of the course is to enrich the students upgrading and their knowledge in recent Civil Engineering software. To enhance the student's skills, SKETCHUP were chosen as My Credit Course (MCC) for IV year students.

SESSION DETAILS

SketchUp is a powerful 3D software application used for architecture, interior design, game design, and basic 3D modelling. Staffs from CADD Centre handled the session for IV year students in hybrid mode. This course is taught using **SketchUp for Windows**. Topics include drawing tools, modify commands, component libraries, layering systems, modelling solids, surface treatments, and working with prefab objects.





IV YEAR CIVIL STUDENTS ATTENDING THE COURSE

OUTCOME OF THE COURSE

At the end of session, the students would be,

- Gained hands on experience in creating various simple objects using SketchUp tools.
- Able to create a more advanced interior objects by their own skills.
- Capable to create 3D illustrations and models with SketchUp

Course Coordinator 16/2022

Bonaran HOD/CIVIL

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING ACADEMIC YEAR 2021-2022







ACADEMIC YEAR 2021-2022

List of Value Addition courses offered during the academic year 2021-2022

S.No	Course Title	Course Duration	No of Students Attended
1	Value Added Course on VB.Net	45 hrs	49
2	Refresher course on C Programming	30 hrs	65
3	Swayam course on Android mobile application development	12 Weeks	38
4	Swayam course on Cloud Computing	08 Weeks	26
5	Swayam course on Introduction to Cyber Security	12 Weeks	25
6	Swayam course on Web Development Technology & Multimedia Application	12 Weeks	26
7	Swayam course on Python for Data Science	04 Weeks	42
8	Swayam course on Data Analytics with Python	12 Weeks	156

HOD/CSE 03 | 06 | 23

HOD/CSE
LOD of Computer Science & Engineering
KINGS COLLEGE OF ENGINEERING
Punalkulam, Gandarvakottai (Tk),
Pudukottai (Dt) - 613 303.

J: 1803/6/2022

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Kings College of Engineering.
PUNALKULAM - 613 303.



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Value Added Course

Academic Year

2021 - 2022

AFFILIATED INSTITUTIONS FACULTY OF INFORMATION AND COMMUNICATION ENGINEERING LIST OF VALUE ADDED COURSES

S.	CODE	COURSE TITLE	
NO	ALLOTTED	COURSE TITLE	LTPC
1.	IVA001	Design Thinking	1 0 1 2
2.	IVA002	PCB Design, Embedded System Interfacing with Arduino & Robotics	1012
3.	IVA003	Interactive Web Designing and Progressive Java	1 0 1 2
4.	IVA004	Robotics and its Applications	1 0 1 2
5.	IVA005	VB.NET	1 0 2 2
6.	IVA006	Enterprise Application Development and Deployment on Cloud using IBM Bluem`ix	0 0 2 1
7.	IVA007	Predictive Modeling using IBM SPSS Modeler	0021
8.	IVA008	Enterprise Mobile Application Development using IBM Worklight	0 0 2 1
9.	IVA009	iOS App Development	0021
10.	IVA010	Transfer Learning Frameworks	0021
11.	IVA011	Data Science with Python	1012
12.	IVA012	Internet of Things with Node MCU	0021
13.	IVA013	Virtual Instrumentation	1012
14.	IVA014	IC Test Engineering	1012
15.	IVA015	Learning C	1012
16.	IVA016	Internet of Things Using Broadcom BCM2837	1012
17.	IVA017	PHP and MYSQL	0 0 2
18.	IVA018	Advanced Python and Introduction to Machine Learning	0 0 2 1
19	IVA019	Real Time Electronics System Design	1 0 1 2
20	IVA020	Case Study – Operating System Design	0 0 2 1
21.	IVA021	Case Study - Network Design	0 0 2 1
22.	IVA022	Electronic Circuits Making and PCB Design	0021
23	IVA023	Data Mining Laboratory	0021
24.	IVA024	Multimedia Laboratory	0021
25	IVA025	Visual Basic Laboratory	0021
26.	IVA026	Advanced Java Programming	1 0 1 2
27.	IVA027	Website Blog Design	0021
28.	IVA028	Virtual Instrumentation Using Lab View	1012
29.	IVA029	Angular J S	0021
30.	IVA030	Simulation and Analysis of Networks Using Software (Nf -2)	0021
31.	IVA031	The Ruby Programming Language	0021
32	IVA032	VB Net Programming	0021

Source: cac announivedu/phpprofest/aidetis/



Dr. J. Arputha Vijaya Selvi, M.E., Ph.D., PRINCIPAL

Ref: KCE / PRL /VAC/58/21-22

16.08.2021

To
The Director
Center for Academic Courses
Anna University, Chennai

Respected Sir,

Sub: Requisition for approving the Value Added Course on VB.Net for the batch of 2019 – 2023 –reg

Ref: Letter No. 2521/AU/VA/CAC/2019 dt. 30.05.2019

As per the AU Regulation 2017, CSE department of our college has planned to conduct the Value Added Course with 2 credits on the topic of VB.NET for the batch 2019 – 2023 having the strength of 49 students.

We received approval from Center for Academic Courses, Anna University, Chennai (as cited above) for the above mentioned value added course during academic year 2018 - 2019 and two batch of students had completed the value added course successfully.

In this regard, we seek your consent to conduct the same value added course during the current academic year 2021 - 2022 (Odd Semester).

Thank You,

Regards,

Encl:

- i) Copy of the Approval letter
- ii) Copy of the Approved Syllabus
- iii) Copy of the timetable



Punalkulam, Gandarvakottai Taluk, Pudukkottai District, Tamil Nadu - 613 303. Ph : 04362 - 282474, Email : contact@kingsengg.edu.in, Thanjavur Information Centre : - 04362-279779

Off: 22357077 / 73 22357074 22352272





CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY CHENNAI - 600 025

Dr. R. RAJU DIRECTOR Letter No:2521/AU/VA/CAC/2019

The Controller of Examinations Anna University Chennai - 25.



30.05,2019

Sir.

Sub: A.U. - CAC - Affiliated Institutions - Value Added Course - Reg.

Ref: Letter No.KCE/PRL/VAC/115/18-19, dated 22.05.2019.

10th 136

With reference to the letter cited above, the following Value Added Course offered by Kings College of Engineering, Affiliated Institutions is allotted the course code as detailed below.

SI.NO	CODE ALLOTTED	TITLE
1.	IVA005	VB.NET

This is for your kind information and necessary action at your end.

Yours faithfully,

DIRECTOR

Copy to:

1. The Chairperson, Faculty of Information and Communication Engineering, A.U. .Ch -25.

The Principal, Kings College of Engineering, Punalkulam, Gandarvakottai Taluk Pudukkottai District - 613 303

3. The Stock File







VALUE ADDED COURSE

SUB CODE/NAME: IVA005/VB.NET

YEAR / SEMESTER: III / V

PREPARED BY,
R.SUGANTHA LAKSHMI / CSE
G.CHANDRA PRABA / CSE







SYLLABUS

IVA005 - VB.NET

LT PC 1022

UNIT I VISUAL BASIC .NET AND THE .NET FRAMEWORK

6

Introduction to .net framework -Features, Common Language Runtime (CLR) ,Framework Class Library(FCL).Visual Studio.Net – IDE, Languages Supported, Components. Visual Programming, VB.net - Features, IDE- Menu System, Toolbars, Code Designer, Solution Explorer, Object Browser, Toolbox, Class View Window, Properties Window, Server Explorer, Task List, Output Window, Command Window.

UNIT II ELEMENTS OF VISUAL BASIC.NET

9

Properties, Events and Methods of Form, Label, TextBox, ListBox, Combo Box, RadioButton, Button, Check Box, Progress Bar, Date Time Picker, Calendar, Picture Box, HScrollbar, VScrollBar, Group Box, ToolTip,Timer.

UNIT III PROGRAMMING IN VISUAL BASIC .NET

9

Data Types, Keywords, Declaring Variables and Constants, Operators, Understanding Scope and accessibility of variables, Conditional Statements- If- Then, If-Then-Else, Nested If, Select Case, Looping Statement- Do loop, For Loop, For Each-Next Loop, While Loop, Arrays- Static and Dynamic.

UNIT IV FUNCTIONS, BUILT-IN DIALOG BOXES, MENUS AND TOOLBAR

Menus and toolbars- Menu Strip, Tool Strip, Status Strip, Built-In Dialog Boxes -Open File Dialogs, Save File Dialogs, Font Dialogs, Color Dialogs, Print Dialogs, InputBox, Msg Box, Interfacing With End user- Creating MDI Parent and Child, Functions and Procedures- Built-In Functions- Mathematical and String Functions, User Defined Functions and Procedures.

UNIT V ADVANCED CONCEPTS IN VB.NET

9

Object Oriented Programming- Creating Classes, Objects, Fields, Properties, Methods, Events, Constructors and destructors, Exception Handling- Models, Statements, Data Access with ADO.Net, Data Access with Server Explorer, Data Adapter and DataSets, ADO.NET Objects and Basic SQL.

Note: Hands-on sessions with the objective of one application development.

Total: 45 periods







COURSE PLAN

Sub.Code/Name : IVA005/VB.NET

Branch / Year / Sem: CSE / III / V

Academic Year : 2021-22 (ODD)

Ratch

: 2019-2023

Staff Name

: Mrs R.Sugantha Lakshmi & Mrs.G.Chandra Praba

Course objectives

- Learn the fundamentals of VB.NET
- Understand the elements of VB.NET
- Learn the programming concepts and develop applications on VB.NET.
- Make the students aware of data access

Books Recommended for Reading and Reference:

- 1. Visual Basic.Net Programming Black Book by Steven Holzner, Dreamtech Press
- 2. The Complete Reference Visual Basic .NET by Jeffrey R. Shapiro ,Tata McGraw Hills.
- 3. Murach's Beginning Visual basic .Net By Anne Prince, BPB Publications

Web Resources

- 1. https://www.oreilly.com/library/view/programming-visual basic/0596000936
- 2. https://udemy.com/visual-basic-net-step-by-step for beginners
- 3. https://www.freevbcode/vb-net-asp-net
- 4. https://www.codeproject.com/kb/vb
- 5. https://www.tutorialspoint.com/vb.net

S.No	Toples	Teaching Methodology	No. of Hours Required	Cumulative No. of periods
UNITI	VISUAL BASIC .NET AND THE .N	ET FRAMEWORK		9
1,	Introduction to .net framework -Features, Common Language Runtime (CLR), Framework Class Library(FCL).	BB ,	2	2
2,	Visual Studio.Net – IDE, Languages Supported, Components.	ВВ	1	3
3.	Visual Programming, VB.net - Features, IDE- Menu System, Toolbars, Code Designer,	РРТ	1	4
	Solution Explorer, Object Browser	Hands-on-session	2	6
4.	Toolbox, Class View Window, Properties Window, Server Explorer, Task List, Output	PPT	1	7
	Window, Command Window.	Hands-on-session	2	9
JNIT II	ELEMENTS OF VISUAL BASE	IC .NET		9
5.	Proportion Fuents and Made de GR	PPT	1	10
٥.	Properties, Events and Methods of Form	Hands-on-session	2	12
6.	Label, TextBox, ListBox, Combo Box,	PPT	1	13
	RadioButton, Button, Check Box	Hands-on-session	2	15
7.	Progress Bar, Date Time Picker, Calendar, Picture Box, HScrollbar, VScrollBar, Group Box,	РРТ	1 ,0.	16
	ToolTip,Timer.	Hands-on-sessior	2	18
III TIN	PROGRAMMING IN VISUAL I	BASIC .NET		9
8.	Data Types, Keywords, Declaring Variables and Constants, Operators, Understanding	PPT	1	19
	Scope and accessibility of variables	Hands-on-session	2	21
9.	Conditional Statements- If- Then, If-Then-	PPT	1	22
	Else, Nested If, Select Case	Hands-on-session	2	24
10.	Looping Statement- Do loop, For Loop, For Each-Next Loop, While Loop, Arrays- Static	РРТ	1	25
	and Dynamic.	Hands-on-session	2	27

FURMA	T: QP09		NCL / DEF	I. OF CSE
S.No	Topics	Teaching Methodology	No. of Hours Required	Cumulativ No. of periods
UNIT IV	FUNCTIONS, BUILT-IN DIALOG BOXES,	MENUS AND TOOLB	AR	9
	Menus and toolbars- Menu Strip, Tool Strip,	PPT	1	28
11.	Status Strip - Built-In Dialog Boxes -Open File Dialogs, Save File Dialogs, Font Dialogs, Color Dialogs, Print Dialogs	Hands-on-session	2	30
12.	InputBox, Msg Box, Interfacing With End user,	PPT	1	31
	Creating MDI Parent and Child	Hands-on-session	2	33
	Functions and Procedures- Built-In	PPT	1	34
13.	Functions- Mathematical and String Functions - User Defined Functions and Procedures.	Hands-on-session	2	36
UNIT V	ADVANCED CONCEPTS IN VB.NET			9
14.	Object Oriented Programming- Creating Classes, Objects, Fields, Properties, Methods,	РРТ	1	37
	Events Constructors and destructors	Hands-on-session	2	39
15.	Data Access with ADO.Net , Data Access with	PPT	1	40
	ServerExplorer , Data Adapter and DataSet	Hands-on-session	2	42
16.	ADO NET Objects and Paris COI	PPT	1	43
	ADO.NET Objects and Basic SQL.	Hands-on-session	2	45

Course Outcome

Upon the completion of the course, the students are able to

- Describe the basic concepts of VB.NET
- Work on VB.NET IDE
- Develop simple applications
- · Create applications using MDI
- · Access datasets and databases

INTERNAL ASSESSMENT DETAILS

TEST NO.	I	II
Topic Nos.	1-10	11-16

Prepared by

Ms. R.Sugantha Lakshmi Ms.G.Chandra Praba

J: 10/8/2021

Approved by PRINCIPAL

Verified By
HOD/CSE







DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING TIME TABLE (2021 - 2022 ODD SEM)

B.E - CSE (Regulation 2017)

Batch:2019-2023 Strength:49

Year: III Semester: V Class Room : 222 Block: II

Session	1	2	3	01.00	4	5	6
Day	09.30am - 10.30am	10.45am 11.45am	12.00PM 01.00pm	pm - 01.45	01.45pm - 02.45pm	03.00pm 04.00pm	4.00 pm 5.00 pm
SAT	IVA	005	•	pm	•		IVA005

SUB CODE	NAME OF THE SUBJECT	NAME OF THE STAFF	DEPT	PERIODS/WEEK
IVA005	VB.NET	Ms.R.SuganthaLakshmi(8211008) & Ms.G.Chandrapraba(8211212)	CSE	3

110D 1613721

J-1021/2021







DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING ACADEMIC YEAR 2021-22 ODD SEMESTER

VALUE ADDED COURSE COMMITTEE

VB.NET

Committee Member	Designation	Category
Dr.S.M.Uma	Head of the Department/CSE	HOD/CSE
Ms.K.Abhirami	IQAC Head	Senior Faculty Member
Ms.R.Sugantha Lakshmi	AP/CSE	Course Co-ordinator
Ms.G.Chandra Praba	AP/CSE	Course Co-ordinator

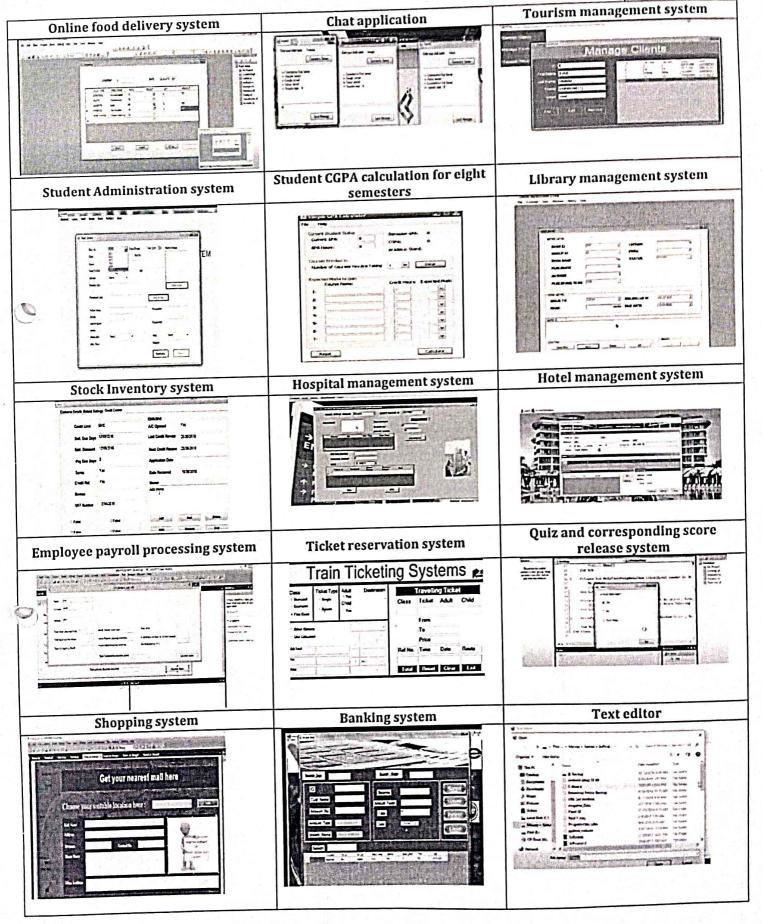
HOD/CSE

, TEOT PM NAGOS-VISITET ASSESSMENT 1	9. What does IDE stand for?
BUADOS AND AUST ACCESSATION A	Mark only one oval.
IVA005 - <u>VB.NET</u> ASSESSMENT 1	
• Required	Integrated Design Environment
	Integrated Development Environment Interior Design Environment
1. Email'	Interior Development Environment
	mileto de la composition della
2. Name*	10. Which of the following is correct about <u>VB.NET?</u> *
	Mark only one oval.
	YB NET has complete support for object-oriented concepts. YB NET has co
	support for object-oriented concepts.
3. Register Number *	Everything in <u>VB NET</u> is an object, including all of the primitive types (Short, Long, String, Boolean, etc.) and user-defined types, events, and even assemblies
	All objects inherits from the base class Object.
	All of the above
4. Rol No '	
	11. Which is true about the name and text property of a control?
Answer the following	Mark only one oval.
	The text property changes to match any changes in the name property.
 Which of the following is an entry point method of <u>VB.NET</u> program? * 2 points 	They are the same when the control is first created.
Mark only one oval.	They are never the same unless the programmer makes it that way
Sub Main	The name property changes to match any changes in the text property
Function main	
Both of the above.	
None of the above.	
	The state of the s
ps://pics.google.com/tomor/91/CMpor/2YingShund-02200-MEFBXOB-downtonovVBAM/Unddfundings. 14 122, 1201 PM NAXOS - VB.NET ASSESSMENT 1	Nepuchboca, google .com/homend*ICMperv*2YSogRenAB+12ZOD-MEFREGB-dnw1 mis/VRAM/U-eddf-settings 31V22, 12:01 PM PAGOS - VB.NET ASSESSMENT 1
	31/22, 1291 PM NAGOS - VENET ASSESSMENT 1 12. Which property determines whether a control is displayed to the use
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15 The method o	onverts an OLE automation date value to a	31/12. 12:01 PW	MADE-WINE REFERENCE 1
DateTime Instance.	perse an OLE automation date value to a	21. Smart Phone appli	cations and other such devices can be written using
Mark only one oval		Mark only one oval	
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Today		NET Small Fro	
Nov		NET Smartcle	
TimeOfDay			
FromGAData			
		22. What two controls	are needed when creating a toolbar?"
L. L.			are record at an engage a cooler ?
10 Which of the following is n	not correct about the value types and reference 2 points	Mark only one oval.	
types in YE NET?		Only Toolbar c	umrol .
Mark only one oval		imageList and	Toolbar control
Dim statement is used	to create a variable that represents a value type	Soth 1 and 2	
Data associated with a	value type is allocated on the stack	All the above	
Reference types must b	or wistambated after declaration		
Data associated with a	reference type is allocated on the stack		
		23. Can a toolbar disp	lay text instead of pictures in the buttons ?
		Mark only one oval	
17. Which of the following co	introl doesn't receive the focus and doesn't have : pums		
a Tabindex property? *			an only display images
Mark only one oval.			an only display test
PictureBox			can display text, images, or both.
LabiControl		None of these	
LietBox			
() TabComrol control		İ	
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18. Lower bound value of an Mark only one oval 19. How many levels of community for the four 19. To declare an integer value of the following statements is Mark only one oval. Dom a As integer 20. To declare an integer value of the following statements is mark only one oval. Dom a As integer Dom a As integer Dom a As integer	PAGOS-VENET ASSESSMENT 1 Tay in YE NET * poms pilation happens in .NET Framework? * poms prizable in YB NET language, which one of the poms	24 How does <u>YE NET</u> Mark only one oval Using NEW Lay Using CREATE Using SETORJ	MADE - VENET ASSESSMENT 1 Instantiales the JNET object " word PAJECT Jayword ECT Jayword The sonion is made passed for and could by Google
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18. Lower bound value of an Mark only one oval 19. How many levels of community for the oval. 19. How many levels of community for the oval. 19. Two one oval. 19. The oval. 19. The oval. 19. The oval. 20. To declare an integer val. 20. To declare an integer val. 20. To declare an integer val. 21. The oval. 22. The oval. 23. The oval. 24. The oval. 25. The oval. 26. The oval. 27. The oval. 28. The oval. 29. The oval. 20. The oval.	PAGOS-VENET ASSESSMENT 1 Tay in YE NET * poms pilation happens in .NET Framework? * poms prizable in YB NET language, which one of the poms	24 How does <u>YE NET</u> Mark only one oval Using NEW Lay Using CREATE Using SETORJ	MADE - VENET ASSESSMENT 1 Instantiales the JNET object " word PAJECT Jayword ECT Jayword The sonion is made passed for and could by Google

Assessment Test II - Sample Screenshots







COLLEGE OF ENGINEERING (NAAC Accredited Institution) (Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai)



ACADEMIC YEAR 21-22 ODD SEMESTER

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

VALUE ADDED COURSE – REPORT IVA005 –VB.NET

YEAR / SEM: III/V

TOTAL STRENGTH: 49

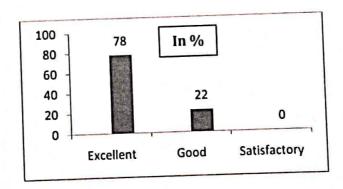
1. SYLLABUS COVERAGE

O OF HOURS PLANNED	NO OF HOURS EXECUTED	NO OF UNITS COMPLETED	REMARKS
45	45	5	•

2. ASSESSMENT TEST PERFORMANCE

TEST	NO OF UNITS	NO OF STUDENTS ATTENDED	NO OF STUDENTS PASSED	PASS %
		49	49	100%
AT-I	3 Units	47	10	100%
AT-II	5 Units	49	49	10070

3. FEEDBACK



4. OUTCOME:

- Can work on VB.NET IDE
- Can able to create new applications in VB.NET
- Supportive in doing the final year project
- Beneficial in seeking a job

COURSE COORDINATOR

HOD/CSE







DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

REFRESHER COURSE C PROGRAMMING

ACADEMIC YEAR
2021-2022







DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ACADEMIC YEAR 2021 - 2022 ODD SEMESTER

REFRESHER COURSE - CIRCULAR

The department of computer science and engineering is planned to conduct a refresher course on "C PROGRAMMING" for II year. The course is scheduled from 18.8.2021 for 30 hours.

This schedule to be followed for 30 hours refresher course in ODD and EVEN sem

CLASS	DETAILS	HOURS
II YEAR	20221-2022(ODD)	15 hrs
II YEAR	2021-2022(EVEN)	15hrs

All the registered students must attend all the classes without fail. The following staff members are assigned to handle the course.

SL.NO	NAME OF THE STAFF	DESIGNATION
1	Ms.S.Puvaneswari	Assistant Professor
2	Ms.B.Sangeetha	Assistant Professor

HOD/CSE
H.O.D of Computer Science & Engineering
KINGS COLLEGE OF ENGINEERING
Punalkulam, Gandarvakottai (1 k),
Pudukottai (Dt) - 613 303.







DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING ACADEMIC YEAR 2021 - 2022 ODD SEMESTER

REFRESHER COURSE

SYLLABUS

UNIT - I BASICS

6

Data types - Variables - Display the size and type of a variable - Operators - programs using operators - Conditional statements - Programs using switch and break - Looping Statements - Programs such as reversing a digit, Armstrong Number

UNIT - II ARRAYS & STRINGS

6

Definition - Types - Single Dimensional arrays - Find the Greatest number of a list - Merge the two list - Two Dimensional arrays - Find the transpose of a Matrix - String functions - Convert lowercase to Uppercase - Palindrome

UNIT - III FUNCTIONS

6

Definition - Built in functions - Math Library Functions - User Defined functions - Programs using User Defined Functions - Function prototype - Call by Value - Call by Reference - Sample Programs

UNIT - IV STRUCTURES AND UNIONS

6

Definition - Nested Structures - Structures and Arrays - Structures and Functions - Unions - Payroll Generation using Structure - Inventory Control using Structure

IINIT - V POINTERS

6

Definition - Pointers and Arrays - Pointers and functions - Pointers and Structures - Dynamic memory Allocation - Linked List implementation of List

Staff Incharge (Ms.B.Sangeetha)







DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING ACADEMIC YEAR 2021 - 2022 ODD SEMESTER

COURSE PLAN

Sub. Code : RFC Branch / Year / Sem : B.E CSE / III / V

: 2020-2024

Sub.Name

: C Programming

Batch

: 2021-22 (ODD)

Staff Name

Topic No	Topic	Teaching Methodology	Number of Hours Required	Cumulative Hours
	PACICE		Regulation	6
UNIT -	I BASICS	TOTAL ADDITION	1	1
1.	Data types	PPT / DEMO	-	
2.	Variables & Display the size	PPT / DEMO		
	and type of a variable	DDE / DEMO	1	2
3.	Operators & Program using	PPT / DEMO		
	Operators	PPT / DEMO	1	3
4.	Conditional statements	PPT / DEMO		4
5.	Programs using switch and	PFI / DEMO		
	break Statements	PPT / DEMO	1	5
6.	Looping Statements Programs such as reversing a	DEMO	1	6
7.	Programs such as reversing a			
	digit, Armstrong Number			6
UNIT -		PPT / DEMO	1	7
8.	Definition - Types	PPT / DEMO	1	8
9.	Single Dimensional arrays	PPT / DEMO	1	9
10.	Find the Greatest number of	PPI / DEMO		
11-11	a list	PPT / DEMO	1	10
11.	Two Dimensional arrays	PPT / DEMO	1	11
12.	Find the transpose of a Matrix			
13.	. O. Commont	PPT / DEMO	1	12
10.	lowercase to Uppercase -		T. 55.3 (1)	
	Palindrome			
UNIT -	III FUNCTIONS			6
14.	Definition - Built in functions	PPT / DEMO	1	13
	- Math Library Functions			
15.	User Defined functions	PPT / DEMO	2	15
	&Programs using User		THE RESERVE	THE RESIDENCE
	Defined Functions			
16.		PPT / DEMO	1	16
17.	2 11 1	PPT / DEMO	1	17
10		DEMO	1	18
18.	Sample Frograms		1	10

Topic No	Topic	Teaching Methodology	Number of Hours Required	Cumulative Hours
UNIT -	IV STRUCTURES AND UNI	ONS	required	6
19.	Definition	PPT / DEMO	1	19
20.	Nested Structures	PPT / DEMO	1	20
21.	Structures and Arrays	PPT / DEMO	1	21
22.	Structures and Functions	PPT / DEMO	1	22
23.		PPT / DEMO	1	23
24.	Payroll Generation using	DEMO	1	24
	Structure - Inventory Control			
	using Structure			
UNIT	- V POINTERS	1		6
25	. Definition	PPT / DEMO	1	25
26	. Pointers and Arrays	PPT / DEMO	1	26
27	. Pointers and functions	PPT / DEMO	1	27
28	B. Pointers and Structures	PPT / DEMO	1	28
29	9. Dynamic memory Allocation	PPT / DEMO	1	29
30	D. Linked List implementation of List	DEMO	1	30

COURSE OUTCOME

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

- Develop simple applications in C using basic constructs
- Design and implement applications using arrays and strings
- Develop and implement applications in C using functions.
- Develop applications in C using structures.
- Develop and implement applications in C using pointers.

INTERNAL ASSESSMENT DETAILS

ASST. NO.	I	II
Topic Nos.	1-13	14-27
Type of Assessment	MCQ	Development of an application using C

B. Pur 10/8/21

Prepared by

Ms.S.Puvaneswari & Ms.B.Sangeetha

Verified By

HOD/CSE

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

Approved by PRIMCHAL

Kings College of Engineering. PUNALKULAM - 613 303.







DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ACADEMIC YEAR 2021 - 2022 ODD SEMESTER

REFRESHER COURSE - TIMETABLE

Session	1	2	11.30	3	42.45	4	5
Day	09.30am - 10.30am	10.30am - 11.30am	am - 11.45 am	11.45am - 12.45pm	12.45 pm - 01.30 pm	01.30pm - 02.30pm	02.30pm - 03.30pn.
MON						-114 13	
TUE							
WED			1K		BREAK		
THU			BREAK		LUNCH B		
FRI				The state of the	ΓΩ	7-10-311	1
SAT						RFC	

Course	Name of the staff	Periods/week
RFC	Ms.s.puvaneswari Ms.B.sangeetha	1

Staff incharge

HOD/CSE 20/8/21

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



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING ACADEMIC YEAR 2021- 22 ODD SEMESTER

REFRESHER COURSE – REPORT C PROGRAMMING

Course Details

Name of the course	Duration of the course	Target Group	Faculty Instructor	Start Date
С	15 Hrs	II/III	Ms.S.PUVANESHWARI	40.00004
PROGRAMMING	10 1113	(65)	Ms.B.SANGEETHA	18.8.2021

1. OBJECTIVE

To make the students

- Programming basics and the fundamentals of C
- Data types in C
- Mathematical and logical operations
- Using if statement and loop

2. COURSE COVERAGE

The course provided the students with

- o Fundamentals of C programming, datatypes and arrays
- o Development boards turbo c

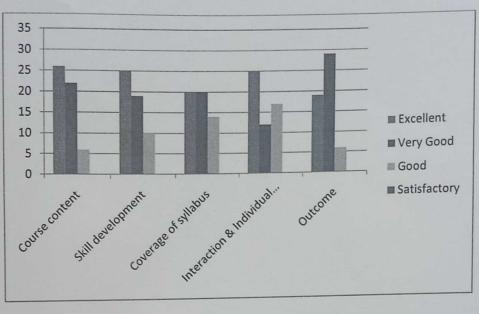
3. SYLLABUS COVERAGE

NO OF HOURS	NO OF HOURS	NO OF UNITS
PLANNED	EXECUTED	COMPLETED
15	15	2.5

4. ASSESSMENT TEST PERFORMANCE

TEST	NO OF UNITS	NO OF STUDENTS ATTENDED	NO OF STUDENTS PASSED	PASS %
Internal Assessment 1	1	65	65	100
Internal Assessment 2	1.5	65	65	100

5. FEEDBACK



OUTCOME

The students are able to

- Understand the fundamental concepts of c programming.
- Able to perform logical operations.
- Able to write a program

PRINCIPAL

PRINCHAL Kings College of Engineering, PUNALKULAM - 613 303.

HOD/CSE

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







DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING ACADEMIC YEAR 2021 - 2022 EVEN SEMESTER REFRESHER COURSE – CIRCULAR

The department of computer science and engineering is planned to conduct a refresher course on "CPROGRAMMING" for II year .The course is scheduled from 16.3.2022 for 15 hours.

This schedule to be followed for $30\ hours$ refresher course in ODD and EVEN sem

CLASS	DETAILS	HOURS
II YEAR	20221-2022(ODD)	15 hrs
II YEAR	2021-2022(EVEN)	15hrs

Students must attend all the classes without fail. The following staff are assigned to handle the course.

SL.NO	NAME OF THE STAFF	DESIGNATION
1	Ms.B.Sangeetha	Assistant Professor

HOD/CSE OB 3 R2

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







DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ACADEMIC YEAR 2021 - 2022 (even)

REFRESHER COURSE
SYLLABUS

UNIT-I BASICS

6

Data types - Variables - Display the size and type of a variable - Operators - programs using operators - Conditional statements - Programs using switch and break - Looping Statements - Programs such as reversing a digit, Armstrong Number

UNIT - II ARRAYS & STRINGS

6

Definition - Types - Single Dimensional arrays - Find the Greatest number of a list - Merge the two list - Two Dimensional arrays - Find the transpose of a Matrix - String functions - Convert lowercase to Uppercase - Palindrome

UNIT - III FUNCTIONS

6

Definition - Built in functions - Math Library Functions - User Defined functions - Programs using User Defined Functions - Function prototype - Call by Value - Call by Reference - Sample Programs

UNIT - IV STRUCTURES AND UNIONS

6

Definition - Nested Structures - Structures and Arrays - Structures and Functions - Unions - Payroll Generation using Structure - Inventory Control using Structure

UNIT - V POINTERS

6

Definition - Pointers and Arrays - Pointers and functions - Pointers and Structures - Dynamic memory Allocation - Linked List implementation of List

Staff Incharge

(Ms.S.Puvaneswari & Ms.B.Sangeetha)

HOD / CSE W & 2)
H.O.D of Computer Science & Engineering
KINGS COLLEGE OF ENGINEERING
Punalkulam, Gandarvakottai (Tk),
Pudukottai (Dt) - 613 303.







DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING ACADEMIC YEAR 2021 - 2022 EVEN SEMESTER

COURSE PLAN

Sub. Code : RFC Branch / Year / Sem : B.E CSE / III / V

Sub.Name

: C Programming

Batch

: 2020-2024

Staff Name

: 2021-22 (EVEN)

Topic No	Topic	Teaching Methodology	Number of Hours Required	Cumulative Hours
UNIT	- I BASICS			6
1.	Data types	PPT / DEMO	1	1
2.	Variables & Display the size and type of a variable	PPT / DEMO		
3.	Operators & Program using Operators	PPT / DEMO	1	2
4.	Conditional statements	PPT / DEMO	1	3
5.	Programs using switch and break	PPT / DEMO		4
6.	Looping Statements	PPT / DEMO	1	5
7.	Programs such as reversing a	DEMO	1	6
	digit, Armstrong Number			
UNIT -	II ARRAYS & STRINGS			6
8.	Definition - Types	PPT / DEMO	1	7
9.	Single Dimensional arrays	PPT / DEMO	1	8
10.	Find the Greatest number of a list	PPT / DEMO	1	9
11.	Two Dimensional arrays	PPT / DEMO	1	10
12.	Find the transpose of a Matrix	PPT / DEMO	1	11
13.	Strings functions & Convert lowercase to Uppercase - Palindrome	PPT / DEMO	1	12
UNIT -				6
14.	Definition - Built in functions - Math Library Functions	PPT / DEMO	1	13
15.	User Defined functions &Programs using User Defined Functions	PPT / DEMO	2	15
	Function prototype	PPT / DEMO	1	16
17.	Call by Value - Call by Reference	PPT / DEMO	1	17

18. Sample	Programs	DEMO	1	18

Topic No	Topic	Teaching Methodology	Number of Hours Required	Cumulative Hours
UNIT -	IV STRUCTURES AND UNIO	ONS		6
19.	Definition	PPT / DEMO	1	19
20.	Nested Structures	PPT / DEMO	1	20
21.	Structures and Arrays	PPT / DEMO	1	21
22.	Structures and Functions	PPT / DEMO	1	22
23.	Unions	PPT / DEMO	1	23
24.	Payroll Generation using	DEMO	1	24
	Structure - Inventory Control			
	using Structure		d being the	
UNIT -	V POINTERS			6
25.	Definition	PPT / DEMO	1	25
26.		PPT / DEMO	1	26
27.	Pointers and functions	PPT / DEMO	1	27
28.	Pointers and Structures	PPT / DEMO	1	28
29.		PPT / DEMO	1	29
30.		DEMO	1	30

COURSE OUTCOME

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

- Develop simple applications in C using basic constructs
- Design and implement applications using arrays and strings
- Develop and implement applications in C using functions.
- Develop applications in C using structures.
- Develop and implement applications in C using pointers.

INTERNAL ASSESSMENT DETAILS

ASST. NO.	I	II
Topic Nos.	1-13	14-27
Type of Assessment	MCQ	Development of an application using C

Ms.S.Puvaneswari & Ms.B.Sangeetha

Verified By

H.O.D of Computer Science & Engineering KINGS COLLEGE OF ENGINEERING Punalkulam, Gandarvakottai (Tk),

Pudukottai (Dt) - 613 303.

Approved by

Brincipal

Kings Callege of Engineering PUNALKULAM - 613 303.







DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ACADEMIC YEAR 2021 - 2022 EVEN SEMESTER

REFRESHER COURSE - TIMETABLE

"	1	2	10.55 am	3	4	12.50 pm	5	6 02.20pm	03.10 pm	03.25
Day	09.15am - 10.05am	10.05am - 10.55am	11.10 am	11.10am - 12.00pm	12.00pm - 12.50pm	01.30 pm	01.30pm - 02.20pm	02.20pm - 03.10pm	03.25 pm	04.15
MON										-
TUE						AK		TAKE N		
WED			BREAK			BREAK			BREAK	
THU			BRE			LUNCH			BR	
FRI						ГП				
SAT								RFC		

Course	Name of the staff	Periods/week
RFC	Ms.B.Sangeetha,	01

HOD/CSE

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







DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING ACADEMIC YEAR 2021- 22 EVEN SEMESTER

REFRESHER COURSE - REPORT C PROGRAMMING

Course Details

Name of the course	Duration of the course	Target Group	Faculty Instructor	Start Date	
C PROGRAMMING	15 Hrs	II/III (65)	Ms.B.Sangeetha	16.03.2022	

1. OBJECTIVE

To make the students learn

- Arranging data in arrays
- Implementing pointers
- File management and dynamic memory allocation

2. COURSE COVERAGE

The course provided the students with

- Fundamentals of basic library functions and its types.
- Basics functions of array and structure.
- Advanced functions of pointer elements.
- Development of linked list and its applications.

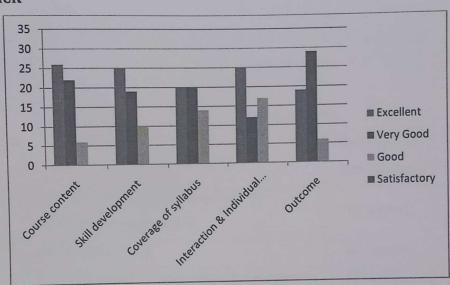
3. SYLLABUS COVERAGE

NO OF HOURS	NO OF HOURS	NO OF UNITS
PLANNED	EXECUTED	COMPLETED
15	15	2.5

4. ASSESSMENT TEST PERFORMANCE

TEST	NO OF NO OF STUDENTS UNITS ATTENDED		NO OF STUDENTS PASSED	PASS %	
Internal Assessment 1	1	65	65	100	
Internal Assessment 2	1.5	65	65	100	

5. FEEDBACK



OUTCOME

The students are able to

- Understand the concepts of array and file operations.
- Understand the concepts of pointers.
- Develop real time applications using C program.

COURSE COORDINATOR

HOD/CSE

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

PRINCIPAL



KINGS COLLEGE OF ENGINEERING



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

CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms	Nithish	S	_ of
Computer science and engineering	department is	being sponsor	red for
attending the refresher course in "C	Programming"	held on 01-	09-21

HOD

学

Convenor

58. Rus







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

CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms.__VarshaNN

Computer science and engineering department is being sponsored for attending the refresher course in "C Programming" held on 01-09-21

HOD

Convenor

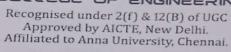
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KINGS COLLEGE OF ENGINEERING





CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms.__Lavanya J of Computer science and engineering department is being sponsored for attending the refresher course in "C Programming" held on 01-09-21

HOD

Convenor







DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2021-2022

SWAYAM - NPTEL COURSES







DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING Academic Year 2021-22 ODD SEMESTER

CIRCULAR

04.08.2021

As a part of curriculum enrichment, our department has planned to offer a SWAYAM-NPTEL courses for II,III,IV year students from 18.8.2021 on 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 your optional course.

Course Details

Name of the course	Duration of the course	Start Date
Web Development Technology & Multimedia Application	12 weeks	27.08.2021
Cloud computing	10 weeks	06.08.2021
Android mobile application development	12 weeks	16.08.2021
Compiler design	12 weeks	20.08.2021
Introduction To Cyber Security	12 weeks	21.08.2021
Fundamentals of Data structures	14 weeks	15.08.2021

Note

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

HOD/CSE

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







Department of Computer Science & Engineering

Academic Year 2021-22 / ODD Semester

ANDROID MOBILE APPLICATION DEVELOPMENT

Syllabus

Course layout

4.4

WEEK	TOPIC			
Week-1	Android Software Development, building a sample Android application using Android Studio.			
Week-2	Android Project Structure, Android Manifest File and its common settings.			
Week-3	Activities, Services, Intents.			
Week-4	Permissions, Application resources.			
Week-5	Basic User Interface Screen elements, Designing User Interfaces with Layouts.			
Week-6	Using Content Providers, Handling Persisting Data.			
Week-7	JSON Web Service.			
Week-8	Gallery, drawing 2D and 3D Graphics and Multimedia, Drawing and Working with Animation.			

Week-9	Networking, Telephony and Location, Android Networking, Web and Telephony API.
Week-10	Search, Location and Mapping, Communication, Identity, Sync and social media.
Week-11	Sensor and Hardware Programming.
Week-12	Publishing Android Application.

Books and references

Books

- 1. PGDMAD-103: Android Mobile Application Development, ISBN-978-81-940577-2-7 June 2019 by Dr. Babasaheb Ambedkar Open University.
- 2. PGDMAD-105: Software Lab for Android Mobile Application Development, ISBN-978-81-940577-4-7 June 2019 by Dr. Babasaheb Ambedkar Open University.
- 3. PGDMAD-201: Advanced Android Mobile Application, ISBN-978-81-940577-5-8 by Dr. Babasaheb Ambedkar Open University.
- 4. PGDMAD-203: Software Lab for Advanced Android Mobile Application, ISBN-978-81-940577-7-2 by Dr. Babasaheb Ambedkar Open University.

References

- 1. Https://developer.android.com.
- 2. Wireless Communications & Networks, Second Edition, William Stallings by Pearson.
- 3. Mobile Computing Technology, Applications and service creation, Asoke K Telukder, Roopa R Yavagal by TMH.
- 4. Android Application Development Black Book, Pradeep Kothari, dreamtech press.
- 5. Wireless and mobile networks, Dr. Sunilkumar S. Manvi, Dr. Mahabaleshwar S.Kakkasageri by WILEY.
- 6. Wireless networks, P. Nicopolitidis, M. S. Obaidat, G.I. Papadimitriou, A.S. Pomportsis by WILEY.
- 7. Mobile Computing, Raj Kamal by Oxford.
- 8. Mobile Computing Theory and Practice-Kumkum Garg-Pearson.

STAFF INCHARGE

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

TIME TABLE (AUG 2021 - NOV 2021, ODD SEM) B.E - CSE (Regulation 2017) - With Effect from 01.09.2021

Batch:2020-2024

Strength:65

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Session	1	2	11.30 am	3	12.45 pm	4	5
Day	09.30am - 10.30am	10.30am - 11.30am	11.45 am	11.45am - 12.45pm	01.30 pm	01.30pm - 02.30pm	02.30pm - 03.30pm
MON	CS8391	CS8351		MA8351		EC8395	RFC
TUE	MA8351	CS8392		CS8351	×	CS8391	EC8395
WED	CS8391	EC8395	AK	MA8351	BREAK	CS8392	CS8351
THU	MA8351	CS8392	BREAK	EC8395	LUNCH	CS8391	T&P(A)
FRI	EC8395	CS8351		CS8391	רמו	MA8351	CS8392
SAT	CS8351	MA8351		T&P(SS)		RFC	SWAYAM

SUB CODE	NAME OF THE SUBJECT	CATEGORY	CREDITS	NAME OF THE STAFF	DEPT	PERIODS/WILL
		TUTORIAL	(T), ELECTIV	E (E)		
MA8351	Discrete Mathematics	BS	4	Dr.R.Suresh	MATHS	6
CS8351	Digital Principles and System Design	ES	4	Mr.W.Newton David Raj	ECE	5
CS8391	Data Structures	PC	3	Ms.K.Abhirami	CSE	5
CS8392	Object Oriented Programming	PC	3	Ms.G.Chandraprabha	CSE	4
EC8395	Communication Engineering	ES	3	Mr.R.Balakrishnan	ECE	5
		VALUE ADDI	TION INITA	TIVES		
RFC	Refresher Course	VAI	-	Ms.B.Sangeetha & Ms.S.Puvaneswari	CSE	2
SWAYAM	Swayam/NPTEL Online	VAI	-	Ms.G.Chandraprabha	CSE	1
T&P(A)	Training & Placement - Aptitude	VAI	- 1	Ms.P.Suganya	T&P	1
T&P(SS)	Training & Placement - Softskill	VAI	-	Mr.B.Sureshbabu	MGMT	1

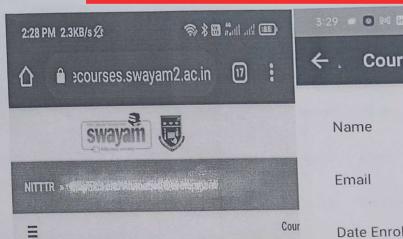
CLASS CO-ORDINATOR	NAME OF THE REPRESENTATIVES	ROLL NO
Ms.G.Chandraprabha	G.Krishnakumar N.N.Varsha	26 57
CLASS COMMITTEE CHAIR PERSON	Mr.R.Sriramkumar	

STAFF INCHARGE 108 2021

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Pudukottai (Dt) - 613 303.

ANDRIOD MOBILE DEVELOPMENT APPLICATION SAMPLES



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←.	Course Progress	; ≡

Name	Muhilan.E

- "	muhilanelangov
Email	an2003@gmail.co

Date Enrolled 2021-06-02

LAVANYA J

Date enrolled: 2021-08-28

Email: lavanyajegan338@gmail.com

Name: LAVANYA J

Assessment scores

Assessment 1 - GIMP Quiz I: 70.0

Assessment 2 - GIMP Quiz II: 60.0

Assessment 3 - Sketch Up Quiz: 58.0

Assignments - Modeling in Blender: -

Assignment 2 - Modeling in Blender: -

Announcement:

You are currently receiving course related emails. Click here to

Discussion forum:

If you want to unsubscribe from forum Click here



Your Assessment scores

Assignment 0	90
Week 1 : Assignment 1	70
Week 2 : Assignment 2	90
Week 3 : Assignment 3	85
Week 4 : Assignment 4	68
Week 5 : Assignment 5	55
Week 6 : Assignment 6	100
Week 7 : Assignment 7	95
Week 8 : Assignment 8	90
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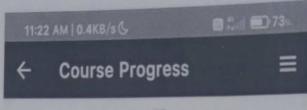
If you want to unsubscribe from discussion forum.

Name	S.DEEPAN	Name	Dinesh.s	
Email	deepansent hil6@gmail.com	Email	dineshsenthi 197@gmail.com	
Date Enrolled	2021-10-26	Date Enrolled	2021-10-29	
Your Assessment scores		Your Assessment scores		
Quiz-1	60	Quiz-1	20	
Quiz-2	A Print	Quiz-2	-	
Quiz-3	40	Quiz-3	20	
Quiz-4	50	Quiz-4	20	
Quiz-5	80	Quiz-5	30	
Quiz-6	80	Quiz-6	10	
Quiz-7	70	Quiz-7	30	
Quiz-8	90	Quiz-8	20	
Quiz-9	90	Quiz-9	30	
Quiz-10	60	Quiz-10	-	
Subscribe/Unsubscribe(Announcement)	You are currently receiving course-related emails. Click here to unsubscribe.	Subscribe/Unsubscr be(Announcement)	You are currently receiving course-related emails. <u>Click here to</u> <u>unsubscribe.</u> If you want to	
Unsubscribe from Forum	If you want to unsubscribe from discussion forum, Click here.	Unsubscribe from Forum	unsubscribe from discussion forum, Click here.	

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Naмe	м нтиягач	Name	Santhosh kumar
Емаìl	мапачаѕал≀һм	Email	sk0573991@gmail
article.	rva7723@gmail.com		.com
Date Enrolled	2021-10-26	Date Enrolled	2021-10-26
Your Assessment sco	ires	Your Assessment sco	ores
Quiz-1	70	Quiz-1	70
Quiz-2		Quiz-2	-
Quiz-3	40	Quiz-3	40
Duiz-4	60	Quiz-4	60
Quíz-5	80	Quiz-5	80
Quiz-6	80	Quiz-6	80
Quiz-7	90	Quiz-7	90
Quiz-B	80	Quiz-8	90
POIZ-D	au .	Quiz-9	90
Quiz-9	90	Quiz-10	100
Quiz-10	50		You are currently
Subscribe/Unsubscr [Announcement]	course-related	Subscribe/Unsubscri e(Announcement)	b receiving course-related emails. Click here to unsubscribe.
	emails. Click here to unsubscribe. IF you want to	Unsubscribe from Forum	If you want to unsubscribe from discussion forum, Click here.
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Click here.



Name Elamaran.s

Email elamaran172
003@gmail.com

Date Enrolled 2021–10–26

Your Assessment scores

Quiz-1	10
Quiz-2	
Quiz-3	20
Quiz-4	40
Quiz-5	30
Quiz-6	40
Quiz-7	20
Quiz-8	10
Quiz-9	50
Quiz-10	20

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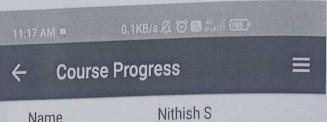
2:02 PM & . @ ... (II) a purses.nptel.ac.in swayam (*) KRISHNAKUMAR G Date resolut 2022-12-29 Email: gkrishnadgk@gmail.com Name KRISHNAKUMAR G Assessment scores Week 1 Assignment 1 100.0 Week 2 Assignment 2: 100.0 Week 3: Assignment 3: 100.0 Week B4. Assignment B4. 90.0 Week 5: Assignment 5: Week 06: Assignment 05: 60.0 Week 7 Anognment 7 70.0 Week S. Assignment S. 70.0 If you want to unsubscribe from forum Click hers







Name	J.ragul sankar	Name	S.Safreen banu		
Email	ragulsankar03@gmail .com	Email	safreenb4@gmail.com		
Date Enrolled	2021-10-30	Date Enrolled	2021-10-30		
		Your Assessment scores	Your Assessment scores		
Your Assessment so	cores	Quiz-1	90		
Quiz-1	100	Quiz-2	-		
Quiz-2	0.0	Quiz-3	40		
Quiz-3	80	Quiz-4	30		
44.20	40	Quiz-5	60		
Quiz-4	30	Quiz-6	60		
Quiz-5	60	Quiz-7	80		
Quiz-6	60	Quiz-8	90		
Qui2 0	60	Quiz-9	80		
Quiz-7	80	Quiz-10	60		
Quiz-8	90	Subscribe/Unsubscribe	You are currently		
Quiz-9	90	Announcement)	course-related emails. <u>Click here to</u> <u>unsubscribe.</u>		
Quiz-10	60	Unsubscribe from Forum	If you want to unsubscribe from discussion forum, <u>Click</u> <u>here.</u>		



Name

Email

snithish0777@gmail

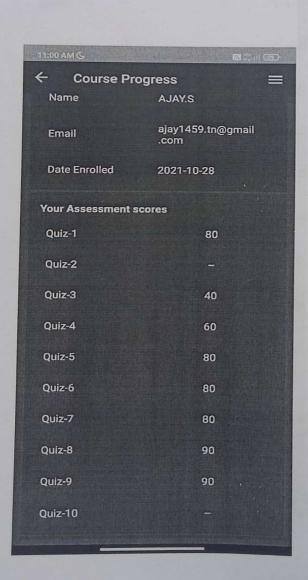
.com

Date Enrolled

2021-01-20

Your Assessment scores

Assignment 0	62
Practice Assignment -	55
Assignment 1	59
Practice Assignment - 2	-
Assignment 2	32
Practice Assignment - 3	-
Assignment 3	93
Practice Assignment - 4	100
Assignment 4	90
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onlinecourses.nptel.ac.in

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11:05 AM

76%

Email: rajbarath791@gmail.com

Name: Barathraj

Assessment scores

Quiz-1: 80.0

Quiz-2:

Quiz-3: 30.0

Quiz-4: 60.0

Quiz-5: 60.0

Quiz-6: 70.0

Quiz-7: 80.0

Quiz-8: 70.0

Quiz-9: 60.0

Qui7-10: 90.0

AA Anlinecourses.swayam2.ac.in C

BHAVATHARANI.V

Date enrolled: 2021-05-29

Email: veeratharani1971@gmail.com

Name: BHAVATHARANI.V

Assessment scores

Assignment 0:

Week 1: Assignment 1: 48.0

Week 2: Assignment 2: 43.0

Week 3: Assignment 3: 73.0

Week 4: Assignment 4: 96.0

Week 5: Assignment 5:

Week 6: Assignment 6: 90.0

Week 7: Assignment 7: 70.0

Week 8: Assignment 8:



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	← Course Pr	ogress =
	Name	Muhilan.E
	Email	muhilanelangov an2003@gmail.co
our	Date Enrolled	2021-06-02
	Your Assessment s	scores
	Assignment 0	90
	Week 1 : Assignment 1	70
	Week 2 : Assignment 2	90
	Week 3 : Assignment 3	85
	Week 4 : Assignment 4	68
	Week 5 : Assignment 5	55
	Week 6 : Assignment 6	100
	Week 7 : Assignment 7	95
	Week 8 : Assignment 8	90

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Assessment 3 - Sketch Up Quiz: 58.0 Assignments - Modeling in Blender: -	Week 6 : Assignm
Assignment 2 - Modeling in Blender : -	Week 7 : Assignm
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Course Progress



Date Enrolled

2021-10-28

Your Assessment scores

Quiz-1

90

Quiz-2

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Quiz-3

40

Quiz-4

30

Quiz-5

60

Quiz-6

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Quiz-7

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Quiz-8

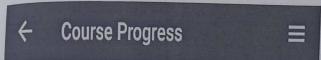
70

Quiz-9

90

Quiz-10

70



← Course Progress =

Name	VARSHA.N.N	Name	Uichithra U	
Email	nandhininirmal 051981@gmail.com	Email	vvichithra365@gmail .com	
Date Enrolled	2022-01-07	Date Enrolled	2021-10-25	
		Your Assessment scores		
Your Assessment scor	res	Quiz-1	90	
Week 1:	100	Quiz-2	90	
Assignment1		Quiz-3	40	
Week5 : Asignment 5	80	Quiz-4	20	
Week6 : Assignment 6	100	Quiz-5	60	
Week4 : Assignment 4	90	Quiz-6 Quiz-7	60 70	
Week3 - Assignment 3	70	Quiz-8	70	
Week2 : Assignment 2	90	Quiz-9	90	
Week7 : Assignment	80	Quiz-10	80	
Week8 : Assignment 8	70	Subscribe/Unsubscribe(Announcement)	You are currently receiving course-related emails. Click here to unsubscribe.	
Week9: Assignment	90	Unsubscribe from Forum	If you want to unsubscribe from discussion forum, <u>Click</u> here.	







Department of Computer Science & Engineering

Academic Year 2021-22 / ODD Semester

CLOUD COMPUTING

Syllabus

Course layout

Week 1: Introduction to Cloud Computing

Week 2: Cloud Computing Architecture

Week 3: Service Management in Cloud Computing

Week 4: Data Management in Cloud Computing

Week 5: Resource Management in Cloud

Week 6: Cloud Security

Week 7: Open Source and Commercial Clouds, Cloud Simulator

Week 8: Research trend in Cloud Computing, Fog Computing

Books and references

1. Cloud Computing: Principles and Paradigms, Editors: Rajkumar Buyya, James Broberg, Andrzej M. Goscinski, Wiley, 2011

2. Enterprise Cloud Computing - Technology, Architecture, Applications, Gautam Shroff, Cambridge University Press, 2010

3. Cloud Computing Bible, Barrie Sosinsky, Wiley-India, 2010

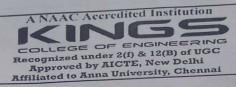
4. Cloud Security: A Comprehensive Guide to Secure Cloud Computing, Ronald L. Krutz, Russell Dean Vines, Wiley- India, 2010

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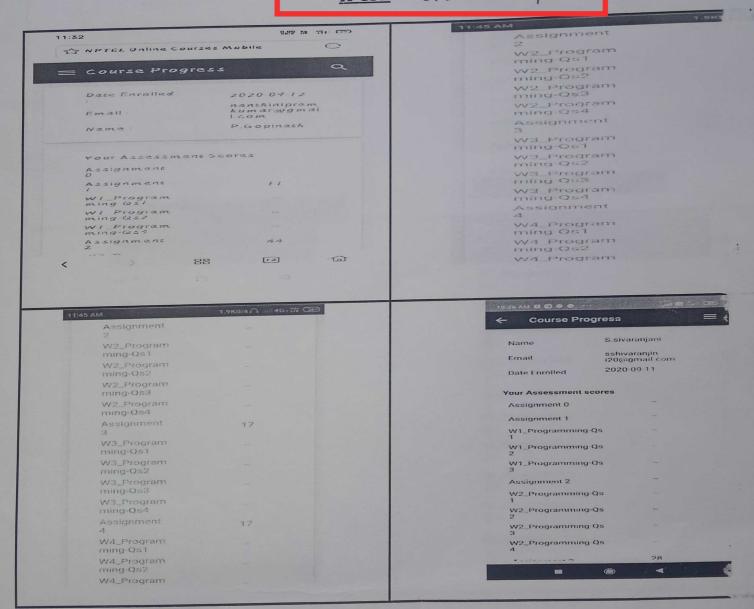


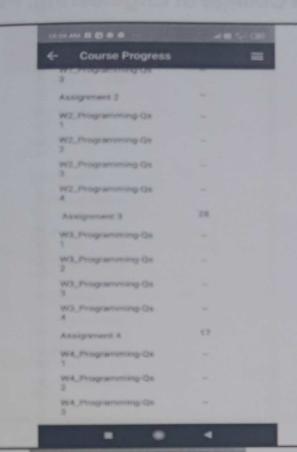


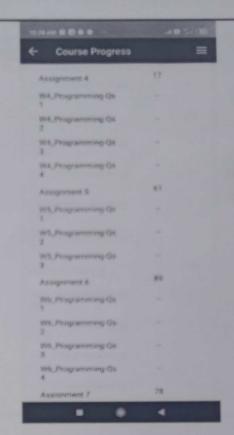
Department of Computer Science Engineering Academic Year 2021-22 (ロロロ)

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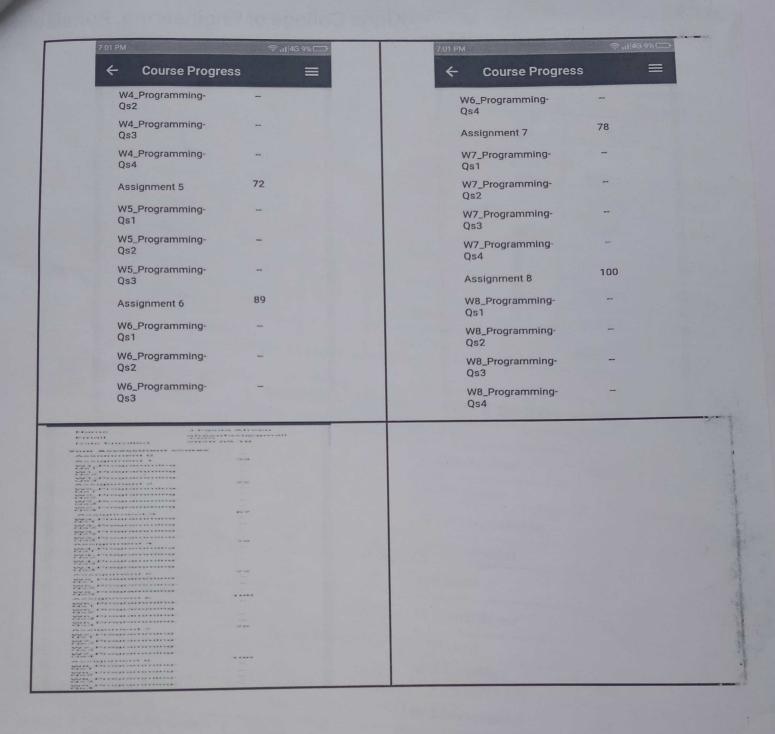








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W2_Programming- Qs3	
W2_Programming- Qs4	
Assignment 3	28
W3_Programming- Qs1	
W3_Programming- Qs2	
W3_Programming- Qs3	
W3_Programming- Qs4	- 1000
Assignment 4	17
W4_Programming- Qs1	-
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Department of Computer Science & Engineering Academic Year 2021-22 / ODD Semester Introduction to cyber security Syllabus

Course layout

Week 1

Introduction to Cyber Space

History of Internet [Dr. Jeetendra Pande, Uttarakhand Open University]

Cyber Crime [Dr. Jeetendra Pande, Uttarakhand Open University]

Information Security [Dr. Jeetendra Pande, Uttarakhand Open University]

Computer Ethics and Security Policies [Dr. Jeetendra Pande, Uttarakhand Open University]

Quiz

Week 2

Choosing the Best Browser according to the requirement and email security Guidelines to choose web browsers [Mr. Arun Kumar- CISSP]
Securing web browser [Mr. Arun Kumar- CISSP]
Antivirus [Mr. Arun Kumar- CISSP]
Email security [Dr. Ajay Prasad, UPES, Dehradun]
Quiz

Week 3

Guidelines for secure password and wi-fi security
Guidelines for setting up a Secure password [Mr. Arun Kumar- CISSP]
Two-steps authentication [Mr. Arun Kumar- CISSP]
Password Manager [Mr. Arun Kumar- CISSP]
Wi-Fi Security [Dr. Jeetendra Pande]
Ouiz

Week 4

Guidelines for social media and basic Windows security
Guidelines for social media security [Dr. V.V. Rao, Scientist- CERT-In]
Tips and best practices for safer Social Networking [Dr. V..V. Rao, Scientist- CERT-In]
Basic Security for Windows [Dr. Jeetendra Pande, Uttarakhand Open University]
User Account Password [Dr. Jeetendra Pande, Uttarakhand Open University]
Quiz

Week 5

Smartphone security guidelines
Introduction to mobile phones [Dr. Jeetendra Pande, Uttarakhand Open University]
Smartphone Security [Dr. Jeetendra Pande, Uttarakhand Open University]
Android Security [Dr. Jeetendra Pande, Uttarakhand Open University]
IOS Security [Dr. Jeetendra Pande, Uttarakhand Open University]
Quiz

Week 6

Cyber Security Initiatives in India
Counter Cyber Security Initiatives in India [Mr. Ashutosh Bahuguna- Scientist- CERT-In]
Cyber Security Exercise [Mr. Ashutosh Bahuguna- Scientist- CERT-In]
Cyber Security Incident Handling [Mr. Ashutosh Bahuguna- Scientist- CERT-In]
Cyber Security Assurance [Mr. Ashutosh Bahuguna- Scientist- CERT-In]
Quiz

Week 7

Online Banking, Credit Card and UPI Security
Online Banking Security [Dr. Jeetendra Pande, Uttarakhand Open University]
Mobile Banking Security [Dr. Jeetendra Pande, Uttarakhand Open University]
Security of Debit and Credit Card [Dr. Jeetendra Pande, Uttarakhand Open University]
UPI Security [Dr. Jeetendra Pande, Uttarakhand Open University]
Quiz

Week 8

Micro ATM, e-wallet and POS Security
Security of Micro ATMs [Dr. Jeetendra Pande, Uttarakhand Open University]
e-wallet Security Guidelines [Dr. Jeetendra Pande, Uttarakhand Open University]
Security Guidelines for Point of Sales(POS) [Dr. Jeetendra Pande, Uttarakhand Open University]
University]

Quiz

Week 9

Social Engineering

Social Engineering [Dr. Jeetendra Pande, Uttarakhand Open University]

Types of Social Engineering [Dr. Jeetendra Pande, Uttarakhand Open University]

How Cyber Criminal Works [Er. Jayash Sharma, Anand Engineering College]

How to prevent for being a victim of Cyber Crime [Er. Jayash Sharma, Anand Engineering College]

Quiz

Week 10

Cyber Security Threat Landscape and Techniques
Cyber Security Threat Landscape [Dr. A Murli Rao, IGNOU]
Emerging Cyber Security Threats [Dr. A Murli Rao, IGNOU]

Cyber Security Techniques [Ms. Tripti Misra and Ms. Shahina Anwaru, Assistant Professor- UPES, Dehradun]
Firewall [Dr. Ajay Prasad, UPES, Dehradun]
Quiz

Week 11

IT Security Act and Misc. Topics

IT Act [Dr. Darpan Anand, Associate Professor- Chandigarh University]
Hackers-Attacker-Countermeasures [Dr. A Murli Rao, Head- Computer Division, IGNOU]
Web Application Security [Dr. A Murli Rao, Head- Computer Division, IGNOU]
Digital Infrastructure Security [Dr. A Murli Rao, Head- Computer Division, IGNOU]
Defensive Programming [Dr. A Murli Rao, Head- Computer Division, IGNOU]
Quiz

Week 12

Information Destroying and Recovery Tools

Recovering from Information Loss [Dr. Jeetendra Pande, Uttarakhand Open University]

Destroying Sensitive Information [Dr. Jeetendra Pande, Uttarakhand Open University]

CCleaner for Windows [Dr. Jeetendra Pande, Uttarakhand Open University]

Quiz

Books and references

- 1. Introduction to Cyber Security available at http://uou.ac.in/foundation-course
- Fundamentals of Information Security https://www.uou.ac.in/progdetail?pid=MSCCS-18
- 3. Cyber Security Techniques https://www.uou.ac.in/progdetail?pid=MSCCS-18
- Cyber Attacks and Counter Measures: User Perspective https://www.uou.ac.in/progdetail?pid=MSCCS-18
- 5. Information System https://www.uou.ac.in/progdetail?pid=MSCCS-18

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Punalkulam Gandarvakottai (Tk),
Pudukottai (Dt) - 613 303.



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING TIME TABLE (AUG 2021 - NOV 2021, ODD SEM) B.E - CSE (Regulation 2017) - With Effect from 01.09.2021

Batch: 2019-2023

Strength: 49

ear: III	ar: III Semeste		er: V Class Room : 223			Block: II		
Session	1	2	11.30 am	3	12.45 pm	4	5	
Day	09.30am - 10.30am	10.30am - 11.30am	11.45 am	11.45am - 12.45pm	01.30 pm	01.30pm - 02.30pm	02.30pm - 03.30pm	
MON	MA8551	CS8592		OMF551		CS8591	EC8691	
TUE	MA8551	CS8592		CS8501	*	OMF551	CS8591	
WED	CS8501	MA8551	AK	EC8691	BREAK	CS8591	T&P(A)	
THU	OMF551	CS8592	BREAK	EC8691		MA8551	CS8501	
FRI	EC8691	CS8591		CS8592	LUNCH	CS8501	OMF551	
SAT	VA	AC01		GATE		SWAYAM	T&P(SS)	

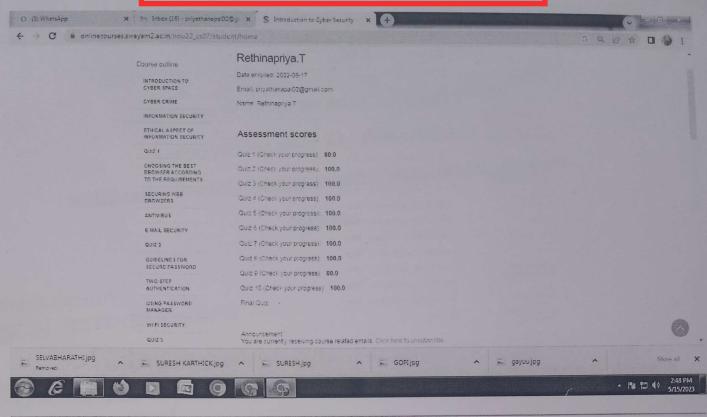
SUB CODE	NAME OF THE SUBJECT	CATEGORY	CREDITS	NAME OF THE STAFF	DEPT	PERIODS/WEE
		TUTOR	HAL (T), ELEC	CTIVE (E)		
MA8551	Algebra and Number Theory	BS	4	Dr.G.Jeyakrishnan	MATHS	4
CS8591	Computer Networks	PC	3	Dr.D.Sivakumar	CSE	4
EC8691	Microprocessor and Microcontroller	PC	3	Mr.R.Thandayuthapani	ECE	4
CS8501	Theory of Computation	PC	3	Ms.S.Puvaneswari	CSE	4
CS8592	Object Oriented Analysis and Design	PC	3	Dr.S.M.Uma	CSE	4
OMF551	Product Design and Development	OE	3 (OE1)	Mr.R.Sriramkumar	CSE	4
		VALUE AD	DITION INTI	ATIVES (VAI)		
GATE	GATE / Competitive Exam	VAI		Ms.B.Sangeetha /	CSE	1
SWAYAM	Swayam/NPTEL Online class	VAI		Mr.R.Sriramkumar	CSE	1
T&P (A)	Aptitude	VAI		Ms.P.Suganya	T&P	1
T&P(SS)	Training & Placement - Softskill	VAI	-	Mr.B.Sureshbabu	MGMT	1
VAC 01	Value Added Course – Game Development using Scratch	VAI	2	Ms.R.Suganthalakshmi& Ms.G.Chandraprabha	CSE	2

CLASS CO-ORDINATOR	NAME OF THE REPRESENTATIVES	ROLL NO	
Ms.R.Sriramkumar	T.Bavatharani S.Venkatramanan	11	
CLASS COMMITTEE CHAIR PERSON	Mr.S.Rajarajan	46	

STAFF INCHARGE

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

INTRODUCTION TO CYBER SECURITY SAMPLES



swayam (3)

Course outline

INTRODUCTION TO CYBER SPACE

CYBER CRIME

INFORMATION SECURITY

ETHICAL ASPECT OF INFORMATION SECURITY

QUIZ 1

CHOOSING THE BEST BROWSER ACCORDING TO THE REQUIREMENTS

SECURING WEB BROWSERS

ANTIVIRUS

E-MAIL SECURITY

011172

GUIDELINES FOR SECURE PASSWORD

TWO-STEP AUTHENTICATION

HISING PASSWORD

J. Fasila Afreen

Date enrolled 2021-07-03

Email. afreenfasi@gmail.com

Name: J. Fasila Afreen

Assessment scores

Quiz 1 90.0

Quiz 2 100.0

Quiz 3 100.0

Quiz 4. 90.0

Quiz 5 100.0

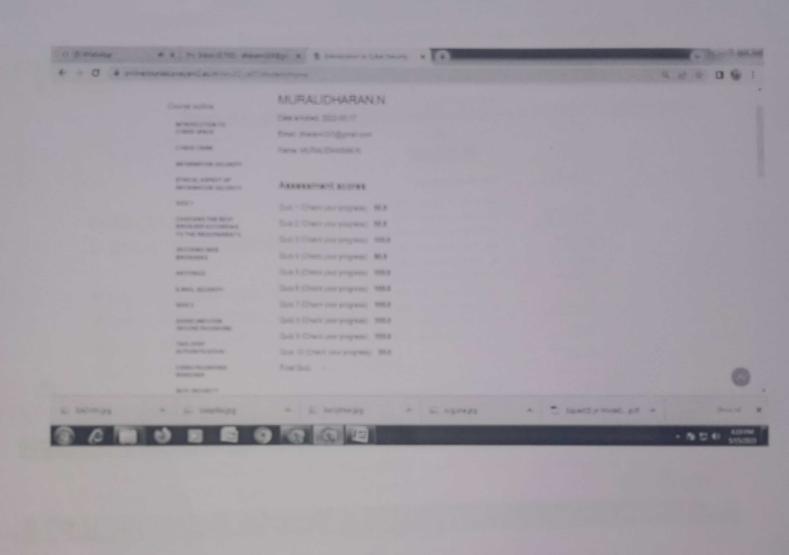
Quiz 6 100.0

Quiz 7 100.0

Quiz 8 90.0

Quiz 9: 10.0

Quiz 10: 100.0









Department of Computer Science & Engineering

Academic Year 2021-22 / ODD Semester

Web development Technologies and Multimedia Applications

Syllabus

COURSE LAYOUT

BLOCK-1: INTERNET CONCEPTS

Week-1: Internet : An Overview

Week-2: Concepts of Web Browser

Week-3: Internet Search

Week-4: What can we do using Internet

BLOCK-2: WEB PAGE DESIGN

Week-5: Introduction to HTML

Tools for Web Page Designing

Week-6: Designing of Frames and Forms

BLOCK-3: INTRODUCTION TO MULTIMEDIA

Week-7: An Overview of Multimedia

Week-8: Multimedia Design, Production and Distribution

Week-9: Applications of Multimedia

Week-10: Distributed Environment

Week-11: Multimedia Authoring Tools (Part-1)

Week-12: Multimedia Authoring Tools (Part-2)

BOOKS AND REFERENCES

IGNOU Study Material of CIT-003 (Web based Technologies and Multimedia Applications) that includes the following 3 blocks

(http://www.egyankosh.ac.in/handle/123456789/618):

Block-1: Internet Concepts

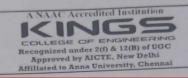
Block-2: Web Page Design

Block-3: Introduction to Multimedia

STAFF INCHARGE

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







Department of Computer Science & Engineering

Academic Year 2021-22 / ODD Semester

PYTHON FOR DATA SCIENCE

Syllabus

Course layout

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

Reading files

Exploratory data analysis

Data preparation and preprocessing

Data visualization on Toyoto Corolla dataset using matplotlib and seaborn libraries

Scatter plot

Line plot

Bar plot

Histogram

Box plot

Pair plot

Control structures using Toyota Corolla dataset

if-else family

for loop

for loop with if break

while loop

Functions

Week 4: CASE STUDY

Regression

Predicting price of pre-owned cars

Classification

Classifying personal income

FACULTY INCHARGE

HOD/CSE

H 0.0 of Computer Science & Engineering KINGS COLLEGE OF ENGINEERING Punalkulam, Gandarvakottai (Tk), Pudukottai (Dt) - 613 303.







DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING TIME TABLE (AUG 2021 - NOV 2021, ODD SEM) B.E - CSE (Regulation 2017) - With Effect from 01.09.2021

Batch: 2018-2022 Year: IV

Semester: VII

Class Room: 225

Strength: 42 Block: II

Session	1	2	11.30 am	3	12.45 pm	4	5
Day	09.30am - 10.30am	10.30am - 11.30am	11.45 am	11.45am - 12.45pm	01.30 pm	01.30pm - 02.30pm	02.30pm - 03.30pm
MON	OME752	CS8791		CS8088		MG8591	CS8792
TUE	CS8792	MG8591		CS8088	IK	IT8075	OME752
WED	CS8791	MG8591	AK	IT8075	BREAK	CS8792	CS8088
THU	CS8088	CS8792	BREAK	CS8791	LUNCH	IT8075	OME752
FRI	T&P(SS)	T&P (SS)		OME752	n Tru	CS8791	T&P(A)
SAT	MG8591	IT8075		T&P(A)		PROJECT	SWAYAM

SUB CODE	NAME OF THE SUBJECT	CATEGORY	CREDITS	NAME OF THE STAFF	DEPT	PERIODS/WEE
002 0022		TUTORIAL (T)	, ELECTIVE	(E)		
MG8591	Principles of Management	HS	3	Mr.B.Sureshbabu	MGMT	4
CS8792	Cryptography and Network Security	PC	3	Mr.S.Rajarajan	CSE	4
CS8791	Cloud Computing	PC	3	Mr.M.Arun	CSE	4
OME752	Supply Chain Management	OE	3(OE2)	Ms.R.Suganthalakshmi	CSE	4
IT8075	Software Project Management	PE	3(PE2)	Ms.S.Puvaneswari	CSE	4
CS8088	Wireless Adhoc& Sensor	PE	3(PE3)	Ms.B.Sangeetha	CSE	4
	V	ALUE ADDITION	INITIATIV	ES (VAI)		
PROIECT	Project Work Phase I	VAI	-	Dr.S.M.Uma	CSE	1
SWAYAM	Swayam / NPTEL Online class	VAI	-	Mr.S.Rajarajan	CSE	1
T&P (A)	Training & Placement - Aptitude	VAI	-	Ms.P.Suganya	T&P	2
T&P(SS)	Training & Placement - Softskill	VAI	-	Dr.K.Sudhakar	MGMT	2

THE CO OPPINATOR	NAME OF THE REPRESENTATIVES	ROLL NO
CLASS CO-ORDINATOR		16
Mr.S.Rajarajan	B.Gunaseelan T.Selvarani	33
CLASS COMMITTEE CHAIR PERSON	Ms.G.Chandraprabha	

1618/22

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

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From Labarna@gmail.com

Name ABARNA

Assessment scores

Assignment 0: 77.0

Assignment 1: 79.0

Assignment 2: 84

Assignment 3: 53.0

Assignment 4: 33.0

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Frak abIRAMIO2@gmail.com

Name ABIRAMI.M

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Date excellent avantag 29

Fmail. - deepi@gntail.com

Name .. V. DEEPIKA

Assessment scores

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Date enrolled 2020-08-29

Email abilRAMIP300@gmail.com Name ABIRAMI.P

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Name .. A. ARCHANA

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T. ABURVANAYAKI

Date consider an es 09 29

-aburva@yahoo.com

Nome . T. ABURVANAYAKI

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J. GAYATHRI

Date serolled 2020 08-29

Email - gayu032gihail.com

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K. GAYATHRI

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R. SARATHKUMAR

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Email. - sarath@gmail.com

Name R: SARATHKUMAR

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K. SOWMIYA

Deaths servediest assets 0.6 709 Email_ KSOWMIYA@gmail.com Name: .. BC. SOWPIEWA

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Date excelled 2020-08-29

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S. VITHYADHARAN

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Fmat. vithiyadharang22@gmail.com

Nome .. S. WITHYADHARAN

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D. GOPINATHAN

Date errolled and 38 29

From gopid054@gmail.com

Name D. GOPINATHAN

Assessment scores

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R. SINDU

Date empled zezu 08-29

Fmat, sindhurr@62gmaW.com

Name .. R. SINDU

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P. VAISHNAVI

Date errolled 2020 08-29

Email. - vaishu062gmail.com

Name . P. VAISHNAVI

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R. SURYA

Date errollest ausci-08-29

Email. suryasaa25gmail.com

Name . R. SURYA

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Course Progress

S. SNEKA

Date expelled 2020-08-29

Email. sneka234@gmail.com

Name 5. SMEKA

Assessment scores

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SNEKA K

Date erroffed ward OR 20

Email, ksneka2468@gmail.com

Name: K.SMEKA

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Date errolled 2020-08-29

Email selvadhanush@gmail.com

Name . T. SELVARANT

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING ACADEMIC YEAR 2021-22 / ODD SEMESTER SWAYAM COURSE - REPORT

S.No	Year/Sem	Course Registered	No of Students Enrolled	No of Students Completed		
1	II/III	Android Mobile Application Development	38	38		
2	II/III	Cloud Computing	26	26		
3	III/V	Web Development Technology & Multimedia Application	26	26		
4	III/V	Introduction to Cyber Security	24	23		
5	IV/VII	Python for Data Science	42	42		

OUTCOME:

At the end of the course, the students

Android Mobile Application Development

- Can able to read, write and develop the application in various platforms.
- Improved their skills to cope with the current demand of android application.
- Can able to create the android mobile application.

Cloud Computing

- Got more knowledge's in working with cloud environment.
- Can able to develop the cloud and able to get their applications done.

Web Development Technology & Multimedia Application

- Able to analyze a web page and identify its elements and attributes.
- Can able to create web pages using XHTML and Cascading Style Sheets.
- Will improve their skills to cope with the current demand of web development application and can able to create the web application.

Introduction to Cyber Security

- Analyze and evaluate the cyber security needs of an organization.
- Measure the performance and troubleshoot cyber security systems.
- Implement cyber security solutions.

Python for Data Science

- Can able to translate fundamental programming concepts such as loops, conditionals, etc into Python code.
- Understand the key data structures in Python.
- Understand how to write functions in Python and assess if they are correct via unit testing.
- Able to become proficient in the statistical analysis of data and the use of computation tools for data analysis.

COURSE INCHARGE

H.O.D of Commutar Scance & Englishering
KINGS COLLEGE OF ENGINEERING
Punalkulam, Gandarvakottai (Tk),
Pudukottai (Dt) - 613 303,

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Kings College of Engineering,
PUNALKULAM - 613 303.







DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING Academic Year 2021-22 EVEN SEMESTER CIRCULAR

01.03.2022

Our department has planned to offer a **SWAYAM- NPTEL course** for **II,III,IV** year students from **16.3.2022** on 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 your optional course.

Course Details

Name of the course	Duration of the course	Start Date
Data Analytics with Python Assignment	12 weeks	10.3.2022
Compiler design	12 weeks	09.03.2022
Programming in c	10 weeks	07.03.2022
Data structures algorithms	14 weeks	10.03.2022

Note

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

HOD/CSE

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







Department of Computer Science & Engineering

Academic Year 2021-22 / EVEN Semester

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 : c2 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".

COURSE INCHARGE

HOD/CSE

Wings college of Engineering Wings college of Engineering Punalkulam, Gandarvakottai (Tk), Pudukottai (Dt) - 613 303.







DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

TIME TABLE (MARCH 2022 - JUNE 2022, EVEN SEM)

B.E - CSE (Reg. 2017) - With Effect from 16.03.22 - Tentative Last Working Day 16.06.2022

Batch:2020-2024

Year: II Semester: IV

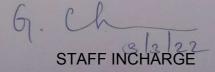
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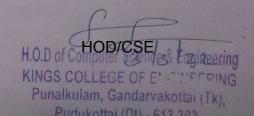
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MON	CS8491	CS8494		HS8	3481		MA8402	CS8492		CS8451
TUE	CS8494	CS8493		RFC	CS8481	AK	CS8	481		CS8481
WED	CS8493	CS8494	AK	MA8402	CS8461	BREAK	CS8	461	BREAK	CS8461
THU	CS8451	CS8491	BREAK	CS8492	CS8493	LUNCH	MA8402	T&P(SS)	BRI	LIB/NE'.
FRI	MA8402	CS8491		CS8493	T&P(A)	TOI	CS8492	CS8451		SEMINA.
SAT	CS8451	MA8402		CS8494	CS8492		CS8491	RFC		NPTEL

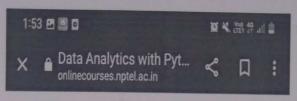
SUB CODE	NAME OF THE SUBJECT	CATEGORY	CREDITS	NAME OF THE STAFF	DEPT	PERIODS/WEI
		TUTORIA	AL (T), ELE	CTIVE (E)		
MA8402	Probability & Queuing Theory	BS	4	Dr.G.Jeyakrishnan	MATHS	5
CS8491	Computer Architecture	PC	3	Mrs.D.R.Saranya	CSE	4
CS8492	Database Management Systems	PC	3	Ms.G.Chandra Praba	CSE	4
CS8451	Design & Analysis of Algorithm	PC	3	Ms.S.Priyadharshini	CSE	4
CS8493	Operating Systems	PC	3	Ms.K.Abhirami	CSE	4
CS8494	Software Engineering	PC	3	Mrs.R.Shanthi	CSE	4
000111			PRACTICA	L		
CS8481	Database Management Systems Lab	PC	2	Ms.G.Chandra Praba & Ms.S.Priyadharshini	CSE	4
CS8461	Operating Systems Laboratory	PC	2	Mr.S.Rajarajan & Ms.S.Priyadharshini	CSE	4
HS8461	Advanced Reading & Writing		1	Mr.J.Radhakrishnan	ENG	2
110010-		VALUE ADD	ITION INIT	IATIVES (VAI)		
LIR/NFT	Library / Internet		VAI	Ms.G.Chandra Praba	CSE	1
NPTEL	NPTEL / SWAYAM Online Cour	:se	VAI	Ms.G.Chandra Praba	CSE	1
RFC	1 C.D managing		VAI	Ms.B.Sangeetha	CSE	2
SEMINAR			VAI	Ms.R.S.Karthiga	CSE	1
T&P(A)	Training & Placement - Aptitude		VAI	Ms.P.Suganya	T&P	1
T&P(SS)	Training & Placement - Softskills		VAI	Dr.K.Sudhakar	T&P	1

TO ACC CO OPPINATOR	NAME OF THE REPRESENTATIVES	ROLL NO
CLASS CO-ORDINATOR	E.Muhilan	30
Ms.G.Chandra Praba	P.Sneha	50
CLASS COMMITTEE CHAIR PERSON	Ms.S.Puvaneswari	





DATA ANALYTICS WITH PYTHON SAMPLES



Airtel 4G 11:06 AM Email: rajbarath791@gmail.com

Name: Barathraj.R

75%

R.BOOMIKA

Date enrolled: 2022-02-05

Email: boomikaramesh018@outlook.com

Name: R.BOOMIKA

Assessment scores

Week 1: Assignment1: 80.0

Week5: Asignment 5: 80.0

Week6: Assignment 6: 90.0

Week4: Assignment 4: 80.0

Week3 - Assignment 3: 60.0

Week2: Assignment 2: 90.0

Week7: Assignment 7: 90.0

Week8: Assignment 8: 70.0

Week9: Assignment 9: 90.0

Week10: Assignment 10: 90.0

Week11: Assignment 11: -

Week12: Assignment 12:

Assessment scores

Week 1: Assignment1: 90.0

Week5: Asignment 5: 80.0

Week6: Assignment 6: 100.0

Week4: Assignment 4: 80.0

Week3 - Assignment 3: 70.0

Week2: Assignment 2: 90.0

Week7: Assignment 7: 90.0

Week8: Assignment 8: 70.0

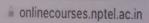
Week9: Assignment 9: 90.0

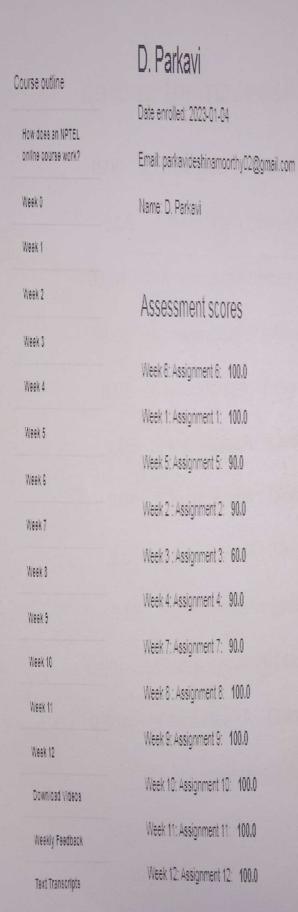
Week10: Assignment 10: 100.0

Week11: Assignment 11: 100.0

Week12 : Assignment 12:







← Course Progress		
Email	ajay1459.tn@gmail .com	
Date Enrolled	2022-01-07	
Your Assessment scor	'es	
Week 1 : Assignment1	90	
Week5 : Asignment 5	80	
Week6 : Assignment 6	-	
Week4 : Assignment 4	80	
Week3 - Assignment 3	70	
Week2 : Assignment 2	90	
Week7 : Assignment 7	90	
Week8 : Assignment 8	70	
Week9 : Assignment 9	90	
Week10 : Assignment 10	t 90	
Week11 : Assignmen	t 100	

Course Progress



Course Progress



Name	S. DEEPAN	Name	S.Dinesh		
Email	deepansent hil6@gmail.com	Email	dineshsenthi 197@gmail.com		
Date Enrolled	2022-01-07	Date Enrolled	2022-01-07		
Your Assessment s	cores	Your Assessment s	Your Assessment scores		
Week 1 : Assignment1	90	Week 1 : Assignment1	90		
Week5 : Asignme 5	nt 80	Week5 : Asignmer	t 80		
Week6 : Assignment 6	-	Week6 : Assignment 6	100		
Week4 : Assignment 4	90	Week4 : Assignment 4	80		
Week3 - Assignment 3	70	Week3 - Assignment 3	70		
Week2 : Assignment 2	90	Week2:	90		
Week7 : Assignment 7	80	Assignment 2 Week7:			
Week8 : Assignment 8	70	Assignment 7 Week8:			
Week9 : Assignment 9	90	Assignment 8 Week9 :			
Week10 : Assignment 10	90	Assignment 9 Week10:			
Week11: Assignment 11	100	Assignment 10 Week11:			
Week12: Assignment 12	-	Assignment 11 Week12:	100		
	You are currently	Assignment 12			
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Name	Elamaran.s		
	elamaran172	Your Assessment scor	es
Email	003@gmail.com	Week 1 : Assignment1	80
Date Enrolled	2022-01-07	Week5 : Asignment 5	80
Your Assessment	scores	Week6:	100
Week 1:	90	Assignment 6	
Assignment1		Week4 : Assignment 4	90
Week5 : Asignment 5	80		
Week6:	100	Week3 - Assignment 3	70
Assignment 6		Week2:	00
Week4: Assignment 4	90	Assignment 2	90
Week3 – Assignment 3	70	Week7 : Assignment 7	90
Week2: Assignment 2	90	Week8 : Assignment 8	70
Week7: Assignment 7	90	Week9 : Assignment 9	90
Week8: Assignment 8	70	Week10: Assignment 10	100
Week9: Assignment 9	60	Week11:	100
Week10:	00	Assignment 11	100
11	• (

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NPTEL » Data Analytics with Python

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Course Pro

KRISHNAKUMAR G

Date enrolled: 2022-07-28

Email: gkrishnadgk@gmail.com

Name: KRISHNAKUMAR G

Assessment scores

Week 1: Assignment 1: 67.0

Week 2: Assignment 2: 67.0

Week 3: Assignment 3: 80.0

Week 4: Assignment 4: 80.0

Week 5: Assignment 5: 93.0

Week 6: Assignment 6: 100.0

Week 7: Assignment 7: -

Week 8: Assignment 8: 87.0

Week 9: Assignment 9: 53.0 Week 10: Assignment 10: 80.0

Week 11: Assignment 11: 87.0

Week 12: Assignment 12 -

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Jayavani. k

Date enrolled: 2022-01-07

Email: jayavanikumaravel@gmail.com

Name: Jayavani. k

Assessment scores

Week 1: Assignment1: 90.0

Week5: Asignment 5: 80.0

Week6: Assignment 6: 100.0

Week4: Assignment 4:

Week3 - Assignment 3: 70.0

Week2: Assignment 2: 90.0

Week7: Assignment 7: 80.0

Week8: Assignment 8: 70.0

Week9: Assignment 9: 90.0

Week10: Assignment 10: -

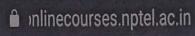
Week11: Assignment 11: 100.0

Week12: Assignment 12:





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LAVANYA J

Date enrolled: 2022-01-07

Email: lavanyajegan338@gmail.com

Name: LAVANYA J

Assessment scores

Week 1: Assignment1: 90.0

Week5: Asignment 5: 70.0

Week6: Assignment 6: -

Week4: Assignment 4: 90.0

Week3 - Assignment 3: 70.0

Week2: Assignment 2: 90.0

Week7: Assignment 7: 90.0

Week8: Assignment 8: 70.0

Week9: Assignment 9: 100.0

Week10: Assignment 10: 90.0

Week11: Assignment 11: 80.0

Week12: Assignment 12: -

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Yokeshwari Name panneeryok Email esh4@gmail.com Date Enrolled 2022-01-30

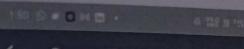
Your Assessment scores

Week 1 : Assignment1	90
Week5 : Asignment 5	60
Week6 : Assignment 6	
Week4 : Assignment 4	90
Week3 - Assignment 3	70
Week2 : Assignment 2	90
Week7 : Assignment 7	
Week8 : Assignment 8	70
Week9 : Assignment 9	90
Week10 : Assignment 10	90
Week11 : Assignment 11	100
Week12 : Assignment	-

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Name	Muhilan.E	
Email	muhilanelangov	

an2003@gmail.co...

Date Enrolled 2022-01-07

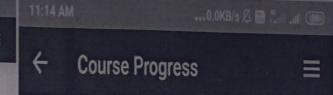
Your Assessment scores

Week 1 : Assignment1	90
Week5 : Asignment	80
Week6 : Assignment 6	100
Week4 : Assignment 4	80
Week3 - Assignment 3	70
Week2 : Assignment 2	90
Week7 : Assignment 7	80
Week8 : Assignment 8	70
Week9 : Assignment 9	90
Week10 : Assignment 10	100
Week11: Assignment 11	80
Week12: Assignment 12	**
	You are currently

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Name	Naresh kumar.N
Email	nareshkumar2 00110@gmail.com
Date Enrolled	2022-01-07

Your Assessment scores

Your Assessment scores	
Week 1 : Assignment1	-
Week5 : Asignment 5	80
Week6 : Assignment 6	100
Week4 : Assignment 4	90
Week3 - Assignment 3	70
Week2 : Assignment 2	-
Week7 : Assignment 7	90
Week8 : Assignment	70
	100













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Name	Nithish S	Week 1 : Assignment1	90
Email	snithish0777@gmail .com	Week5 : Asignment 5	
Date Enrolled	2021-01-20	Week6 : Assignment 6	-
Your Assessment scor	res	Week4:	90
Assignment 0	62	Assignment 4 Week3 -	
Practice Assignment - 1	55	Assignment 3	70
Assignment 1	59	Week2 : Assignment 2	80
Practice Assignment - 2		Week7 : Assignment 7	80
Assignment 2	32	Week8:	
Practice Assignment -	-	Assignment 8	70
Assignment 3	93	Week9 : Assignment 9	90
Practice Assignment - 4	100	Week10 : Assignment 10	100
Assignment 4 Non Proctored Exam	90	Week11 : Assignment 11	80
Session 1 Non Proctored Exam		Week12 : Assignment 12	-

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Name	S.Safreenbanu	Name	Santhosh kumar. G
Email	safreenb4@gmail.com	Email	sk0573991@gmail .com
Date Enrolled	2022-01-07	Date Enrolled	2022-01-07
Your Assessment score	s	Your Assessment score	es
Week 1 : Assignment1	80	Week 1 : Assignment1	90
Week5 : Asignment 5	80	Week5 : Asignment 5	70
Week6 : Assignment (100	Week6 : Assignment 6	-
Week4: Assignment	90	Week4 : Assignment 4	90
Week3 - Assignment	3 70	Week3 - Assignment 3	70
Week2 : Assignment 2	90	Week2 : Assignment 2	-
		Week7 : Assignment 7	90
Week7 : Assignment 7	90	Week8 : Assignment 8	70
Week8 : Assignment 8	70	Week9 : Assignment	30
Week9 : Assignment 9	90	Week10 : Assignment	**
Week10 : Assignment 10	100	Week11 : Assignment	100
Week11 : Assignment	100	Week12 : Assignment	-
Week12 : Assignment 12	-		You are currently receiving
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Name	Sarvesh		
Email	sarvesh201 102@gmail.com	Name	Sneha.P
Date Enrolled	2022-01-12	Email	snehakumar2319@gmail .com
Your Assessment sco	res	Date Enrolled	2022-01-07
Week 1 : Assignment1		Your Assessment scores	
Week5 : Asignment	5 80	Week 1 : Assignment1	90
Week6 : Assignmen 6	t 100	Week5 : Asignment 5	80
Week4 : Assignmen 4	t 90	Week6 : Assignment 6	100
Week3 - Assignmen 3	^t 70	Week4 : Assignment 4	90
Week2 : Assignmen 2	nt	Week3 - Assignment 3	70
Week7 : Assignmen 7	t 90	Weeh2 : Assignment 2	90
Week8 : Assignmer 8	nt 70	Week7 : Assignment 7	90
Week9 : Assignmer 9	nt 80	Week8 : Assignment 8	70
Week10 : Assignme 10	ent 90	Week9 : Assignment 9	90
Week11 : Assignme	nt 100		

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Name	THIRUMURUGAN .S	Name	J.ragul sankar
Email	thirumurugan20 03.3.17@gmail	Email	ragulsankar03@gmail .com
Date Enrolled	2022-01-07	Date Enrolled	2022-01-07
Your Assessmen	t scores		
Week 1 : Assignment1	90	Your Assessment score	5
Week5: Asignment 5	80	Week 1 : Assignment1	90
Week6 : Assignment 6	-	Week5 : Asignment 5	80
Week4 : Assignment 4	70	Week6 : Assignment 6	100
Week3 - Assignment 3	70		90
Week2: Assignment 2	90	Week4 : Assignment 4	90
Week7: Assignment 7	90	Week3 - Assignment 3	70
Week8 : Assignment 8	70	Week2 : Assignment 2	90
Week9: Assignment 9	20	Week7 : Assignment 7	80
Week10 : Assignment 10	-	week/ . Assignment /	
Week11 : Assignment 11	100	Week8 : Assignment 8	70
Week12 : Assignment 12	-	Week9 : Assignment 9	90
	You are currently	Lao. Assignment	

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Week10: Assignment Week11: Assignment

12

Week12: Assignment

100

100

70

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Name	VARSHA.N.N		
		Name	VHSHNTH M
Email	nandhininirmal 051981@gmail.com	Email	manovasanthm rva7723@gmail.com
		Date Enrolled	2022-01-07
Date Enrolled	2022-01-07		
		Your Assessment sco	res
Your Assessment sco	roc	Week 1 : Assignment1	80
	103	Week5 : Asignment 5	80
Week 1 : Assignment1	100	Week5 : Assignment 5	
Week5 : Asignment 5	80	Week4 : Assignment 4	90
	00	Week3 - Assignment 3	70
Week6 : Assignment 6	100	Week2 : Assignment 2	90
Week4 : Assignment		Week7 : Assignment 7	90
4	90	Week8 Assignment	70
Week3 - Assignment	70	Week9 : Assignment 9	40
Week2 : Assignment		Week10 : Assignment 10	-
2	90	Week11: Assignment	-
Week7 : Assignment 7	80	Week12 : Assignment 12	10
Week8 : Assignment 8	70	Subscribe/Unsubscribe [Announcement]	You are currently receiving course-related emails. Click here to unsubscribe.
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Name	Vichithra.V	Name	Vokeshwari
Email	vvichithra365@gmail .com	Email	panneeryok esh4@gmail.com
Date Enrolled	2022-01-07	Date Enrolled	2022-01-30
Your Assessment score	es		
Week 1 : Assignment	90	Your Assessment score Week 1 : Assignment	
Week5 : Asignment 5	80	Week5 : Asignment 5	60
Week6 : Assignment	6	Week6 : Assignment 6	·
Week4 : Assignment	4 90	Week4 : Assignment 4	
Week3 - Assignment		Week3 - Assignment 3	3 70
Week2 : Assignment : Week7 : Assignment		Week2 : Assignment 2	90
Week8 : Assignment 8		Week7 : Assignment 7	-
Week9 : Assignment 9	90	Week8 : Assignment 8	70
Week10 : Assignment 10	90	Week9 : Assignment 9	90
Week11 : Assignment 11	80	Week10 : Assignment 10	90
Week12 : Assignment 12	-	Week11 : Assignment 11	100
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Dute cilioned, LUZZ VI VI

Email: veeratharani1971@gmail.com

Name: BHAVATHARANI, V

ATCHAYA.R.V

1:56 🖭 🍱 🖸

Date enrolled: 2022-01-07

Email: ratchaya025@gmail.com

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onlinecourses.nptel.ac.in

Name: ATCHAYA.R.V

Assessment scores

Week 1: Assignment1: 100.0

Week5: Asignment 5: 80.0

Week6: Assignment 6: 100.0

Week4: Assignment 4: 100.0

Week3 - Assignment 3: 70.0

Week2: Assignment 2: 90.0

Week7: Assignment 7: -

Week8: Assignment 8:

Assessment scores

Week 1: Assignment1: 90.0

Week5: Asignment 5: 80.0

Week6: Assignment 6: 100.0

Week4: Assignment 4: 90.0

Week3 - Assignment 3: 70.0

Week2: Assignment 2: 90.0

Week7: Assignment 7 90.0

Week8: Assignment 8: 70.0

Week9: Assignment 9: 90.0

Week10: Assignment 10: 100.0

Week11: Assignment 11: 100.0

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Week12: Assignment 12:



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

TIME TABLE (MARCH 2022 - JUNE 2022, EVEN SEM)

B.E - CSE (Reg. 2017) - With Effect from 16.03.22- Tentative Last Working Day 16.06.2022

Batch:2019-2023

Class Room: 227

Strength

Bloc

Year: III		Semeste	r: VI		Cla	ss Room : 2	227			Dioc
Session	1	2	10.55 am	3	4	12.50 pm	5	6	03.10 pm	7 03.25p
Day	09.15am - 10.05am	10.05am - 10.55am	- 11.10 am	11.10am - 12.00pm	12.00pm - 12.50pm	01.30 pm	01.30pm - 02.20pm	02.20pm - 03.10pm	03.25 pm	03.25p 04.15pr
MON	CS8691	CS8651		CS8601	CS8602		CS8603	CS8651		IT8076
TUE	CS8601	IT8076		T&P(A)	LIB/NET	AK	HS8	581		CS8691
WED	IT8076	CS8691	AK	T&P(SS)	CS8661	BREAK	CS8	661	BREAK	CS8661
THU	CS8602	CS8601	BREAK	CS8603	CS8662	LUNCH	CS8	662	BR	CS8662
FRI	CS8651	CS8601		CS	8611	1 23	CS8	602		CS860? ·
SAT	CS8603	CS8602		CS8691	GATE		SEMINAR	CS8651		NPTEL

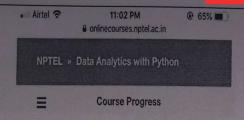
SUB	NAME OF THE SUBJECT	CATEGORY	CREDITS	NAME OF THE STAFF	DEPT	PERIODS/WELD	
TUTORIAL (T), ELECTIVE (E)							
CS8651	Internet Programming	PC	3	Mrs.R.S.Karthiga	CSE	4	
CS8691	Artificial Intelligence	PC	3	Mrs.S.Puvaneswari	CSE	4	
CS8601	Mobile Computing	PC	3	Dr.S.M.Uma	CSE	4	
CS8602	Compiler Design	PC	4	Mrs.R.Shanthi	CSE	5	
	Distributed Systems	PC	3	Mrs.B.Sangeetha	CSE	4	
CS8603	Software Testing	PE	3 (PE1)	Ms.R.Suganthalakshmi	CSE	3	
IT8076	Software resting			CTICAL			
CS8661	Internet Programming	PC	2	Mr.M.Arun & Ms.R.S.Karthiga	CSE	4	
CS8662	Mobile Application	PC	2	Ms.S.Puvaneswari & Ms.B.Sangeetha	CSE	4	
	Development Laboratory Mini Project	EEC	1	Ms.R.Suganthalakshmi	CSE	2	
CS8611 HS8581	Professional	EEC	1	Mr.G.Dinesh	ENG	2	
1100002	Communication	VALU	E ADDITIO	N INITIATIVES (VAI)			
GATE	GATE / Competitive Coach		VAI	Ms.B.Sangeetha / Ms.S.Priyadharshini	CSE	1	
dirib	Library / Internet		VAI	Ms.S.Puvaneswari	CSE	1	
NPTEL	NPTEL / SWAYAM Onlin	e Courses	VAI	Ms.S.Puvaneswari	CSE	1	
			VAI	Ms.R.Suganthalaksnmi	CSE	1	
SEMINAR		titudo	VAI	Ms.P.Suganya	T&P	1	
T&P(A)	Training & Placement - Ap			Mr.B.Sureshbabu	T&P	1	
T&P(SS)	Training & Placement - So	ftskills	VAI	WIT.D.SUI ESIIDADU	101		

NAME OF THE REPRESENTATIVES	ROLL NO
S.Devipriya	12
T.Sathish	34
Mr.S.Rajarajan	
	S.Devipriya T.Sathish

STAFF INCHARGE

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

DATA ANALYTICS WITH PYTHON SAMPLES



J.Fasila Afreen

Date enrolled: 2022-01-02

Email: afreenfasi@gmail.com

Name: J.Fasila Afreen

Assessment scores

Week 1: Assignment1: 90.0

Week5: Asignment 5: 80.0

Week6: Assignment 6: 100.0

Week4: Assignment 4: 90.0

Week3 - Assignment 3: 70.0

Week2: Assignment 2: 90.0

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weeks . Asignment s	
Week6 : Assignment 6	100
Week4 : Assignment 4	80
Week3 - Assignment 3	70
Week2 : Assignment 2	100
Week7 : Assignment 7	90
Week8 : Assignment 8	70
Week9 : Assignment 9	90
Week10 : Assignment 10	100
Week11 : Assignment 11	80
Week12 : Assignment 12	70
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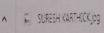
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Assignment 4	
Week3 - Assignment 3	70
Week2 : Assignment 2	100
Week7 : Assignment 7	90
Week8 : Assignment 8	70
Week9 : Assignment 9	70
Week10 : Assignment 10	90
Week11 : Assignment 11	100
Week12 : Assignment 12	70
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Name	Ramakrishnan
EMail	ramuelavarasa n2002@gmail.com
Date Enrolled	2022-01-03
Your Assessment sco	res
Week 1 : Assignment1	90
Week5 : Asignment 5	80
Week6 : Assignment 6	100
Week4 : Assignment	90
Week3 - Assignment 3	70
Week2 : Assignment 2	90
Week7 : Assignment	90
Week8 : Assignment 8	70
Week9 : Assignment	70
Week10: Assignment 10	100
Weekll: Assignment II	100
Week12: Assignment 12	70

SWAYAM STATUS:

	Nome G. Dharani		gress \equiv
Name		Assignment 4	
Email	dharanigandhi 1810@gmail.com	Week3 - Assignment 3	70
Date Enrolled	2022-01-02	Week2: Assignment 2	90
Your Assessment s	cores		
Week 1 : Assignment1	90	Week7: Assignment 7	90
Week5 : Asignmen 5	t	Week8: Assignment 8	70
Week6: Assignment 6	100	Week9:	70
Week4: Assignment 4	80	Assignment 9	
Week3 - Assignment 3	70	Week10: Assignment 10	100
Week2 : Assignment 2	100	Week11: Assignment 11	-
Week7: Assignment 7	90	Week12:	
Week8 : Assignment 8	70	Assignment 12	
Week9: Assignment 9	70		You are currently receiving
Week10: Assignment 10	100	Subscribe/Unsubscribe(Announcement)	course-related emails. Click here to
Week11: Assignment 11	100		unsubscribe.













Course Progress

Name	S.selvabharathi
Email	selvabharathipk t2002@gmail.com
Date Enrolled	2022-01-02
Your Assessment	scores

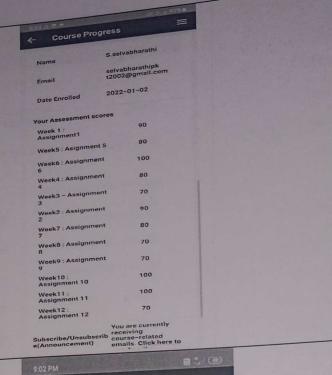
Week 1 : Assignment1	90
Week5 : Asignment 5	80
Week6 : Assignment 6	100
Week4 : Assignment 4	80
Week3 - Assignment 3	70
Week2 : Assignment 2	90
Week7 : Assignment 7	80
Week8 : Assignment 8	70
Week9 : Assignment 9	70
Week10 : Assignment 10	100
Week11: Assignment 11	100
Week12:	70

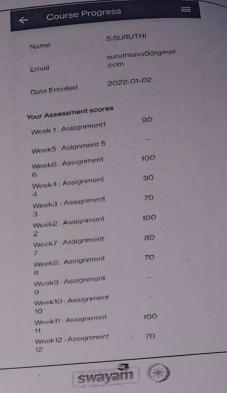
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Week10: Assignment 10	100
Week11: Assignment 11	100
Week12 : Assignment 12	70
	Vou are curr

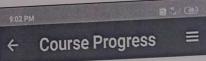
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Name K. Tharanika

Email tharanikaka vai@gmail.c...

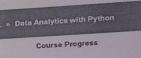
Date Enrolled 2022-01-02

Your Assessment scores

Week 1: 90
Assignment 1
Week 5: -Asignment 5
Week 6: 100
Assignment 6
Week 4: 90
Assignment 4
Week 3- 70
Assignment 3

0

4



M.VIKIRAMADHITHAN

Date enrolled: 2022-01-02

Email: samratvikramadhithanujjaini@gmail.com

Name: M.VIKIRAMADHITHAN

Assessment scores

Week 1 : Assignment1: 80.0

Week5 : Assignment 5: -

Week4: Assignment 4: 90.0
Week4: Assignment 4: 90.0
Week3 - Assignment 3: 70.0

Week7: Assignment 7: 90.0

Week8 : Assignment 8: 70.0

Week9 : Assignment 9 70.0

Week10 : Assignment 10: 100.0

Week11: Assignment 11: -

Week12 : Assignment 12: 70.0



Course Progress

J.Fasila Afreen

Date enrolled: 2022-01-02

Email: afreenfasi@gmail.com

Name: J.Fasila Afreen

Assessment scores

Week 1 : Assignment1: 90.0

Week5: Asignment 5: 80.0

Week6: Assignment 6: 100.0

Week4: Assignment 4: 90.0

Week3 - Assignment 3: 70.0

Week2: Assignment 2: 90.0

181-17-8-1-17



← Course Progress

weeks . Asignment s

Week6 : Assignment 6

Week4 : Assignment 4

Week3 - Assignment

Week2 : Assignment

Week7 : Assignment 7

Week8 : Assignment

Week9 : Assignment

Week10 : Assignment

Week11 : Assignment

Week12: Assignment

70

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Unsubscribe from

If you want to unsubscribe fr





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← Course Prog	gress =
Assignment 4	
Week3 - Assignment 3	70
Week2 : Assignment 2	100
Week7 : Assignment 7	90
Week8 : Assignment 8	70
Week9 : Assignment 9	70
Week10 : Assignment 10	90
Week11 : Assignment 11	100
Week12 : Assignment 12	70
Subscribe/Unsubscri be(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,

Name	Ramakrishnan
EMGII	ramuelavarasa n2002@gMail.com
Date Enrolled	2022-01-03
Your Assessment so	ores
Week I :	
Assignmentl	90
Weeks : Asignmen	t 5 80
Weeks : Assignme	nt 100
Week4 : Assignme	nt 90
Week3 - Assignme	nt 70
Week2 : Assignme	nt 90
Week7 : Assignme	nt 90
Week8 : Assignme	nt 70
Week9 : Assignme	2nt 70
Week10: Assignment 10	100
Weekll: Assignment II	100
Week12: Assignment 12	70

SWAYAM STATUS:

G. Dharani Name dharanigandhi Email 1810@gmail.com Date Enrolled 2022-01-02 Your Assessment scores Week 1: 90 Assignment1 Week5: Asignment Week6: 100 Assignment 6 Week4: 80 Assignment 4 Week3 -70 Assignment 3 Week2: 100 Assignment 2 Week7: 90 Assignment 7 Week8: 70 Assignment 8 Week9: 70 Assignment 9 Week10: 100 Assignment 10 Week11: 100 Assignment 11

← Course Prog	ress =
Assignment 4	
Week3 - Assignment 3	70
Week2: Assignment 2	90
Week7: Assignment 7	90
Week8: Assignment 8	70
Week9: Assignment 9	70
Week10: Assignment 10	100
Week11: Assignment 11	-
Week12: Assignment 12	
Subscribe/Unsubscribe(Announcement)	You are currently receiving course-related emails. Click here to unsubscribe.

Course outline	Bavya.S
	Date enrolled; 2022-01-03
How does an NPTEL online course work?	Email: bavyabavya288@gmail.com
Week 0	Name: Bavya.S
Week 1	
Week 2	Assessment scores
Week 3	
Week 4	Week 1: Assignment1: 100.0
Week 5	Week5 : Asignment 5: -
Week 6	Week6 : Assignment 6: 100.0
Week 7	Week4 - Assignment 4 90.0
Week 8	Week3 - Assignment 3, 70.0
Week 9	Week2 - Assignment 2 90.0
Week 10	Week7: Assignment 7: 90.0
Week 11	Week8 : Assignment 8: 70.0
Week 12	Week9 Assignment 9 70.0
Download Videos	Week10: Assignment 10: 100.0
Weekly Feedback	Week11: Assignment 11: -
Text Transcripts	Week12: Assignment 12: -
Donke	

SELVABHARATHIjpg

SURESH KARTHICK jpg ^

SURESH.jog



Course Progress

Name S.selvabharathi

selvabharathipk Email t2002@gmail.com

Date Enrolled 2022-01-02

Your Assessment scores

Week 1 : Assignment1	90
Week5 : Asignment 5	80
Week6 : Assignment 6	100
Week4 : Assignment 4	80
Week3 - Assignment 3	70
Week2 : Assignment 2	90
Week7 : Assignment 7	80
Week8 : Assignment 8	70
Week9 : Assignment 9	70

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Week10:

Assignment 10 Week11:

Assignment 11 Week12:

Assignment 12

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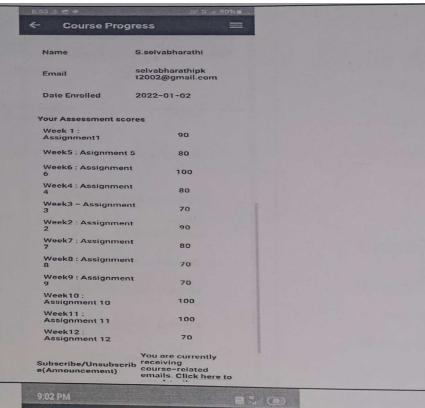
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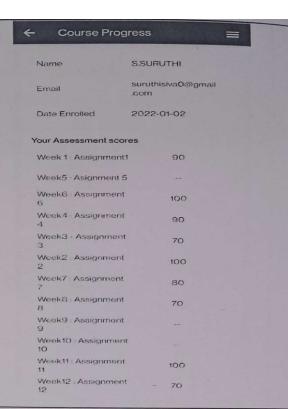
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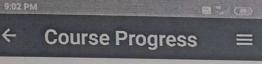
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Name K. Tharanika

tharanikaka Email vai@gmail.c...

Date Enrolled 2022-01-02

Your Assessment scores

Week 1: 90 Assignment1 Week5: Asignment 5 Week6: 100 Assignment 6 Week4: 90 Assignment 4 Week3 -70 Assignment 3

4





Course Progress

M.VIKIRAMADHITHAN

Date enrolled: 2022-01-02

samratvikramadhithanujjaini@gmail.com

Name: M.VIKIRAMADHITHAN

Assessment scores

Week 1: Assignment1: 80.0

Week5: Asignment 5:

Week6: Assignment 6: 100.0

Week4: Assignment 4: 90.0

Week3 - Assignment 3. 70.0

Week2 : Assignment 2: 100.0

Week7: Assignment 7: 90.0

Week8: Assignment 8: 70.0

Week9 : Assignment 9: 70.0

Week10: Assignment 10: 100.0

Week11: Assignment 11:

Week12: Assignment 12: 70.0

Name

S.selvabharathi

Course Progress

Name	Vengatramanan, S		
Email	vengatramanan81@gmail.coi		
Date Enrolled	2022-01-02		
Your Assessment scores			
Week 1: Assignment1	90		
Week5 : Asignment 5	50		
Week6: Assignment 6			
Week4: Assignment 4	90		
Week3 - Assignment 3	40		
Week2: Assignment 2	90		
Week7: Assignment 7			
Week8 : Assignment 8	90		
Week9: Assignment 9	**		
Week10 : Assignment 10	40		
Week11 : Assignment 11	80		
Week12 : Assignment 12	-		
Subscribe/ Unsubscribe(Announcement)	You are currently receiving course related emails. Click unsubscribe.		
	If you want to unsubscribe f		

Course Progress

Email	selvabharathipk
	t2002@gmail.com

Date Enrolled 202	22-01-02
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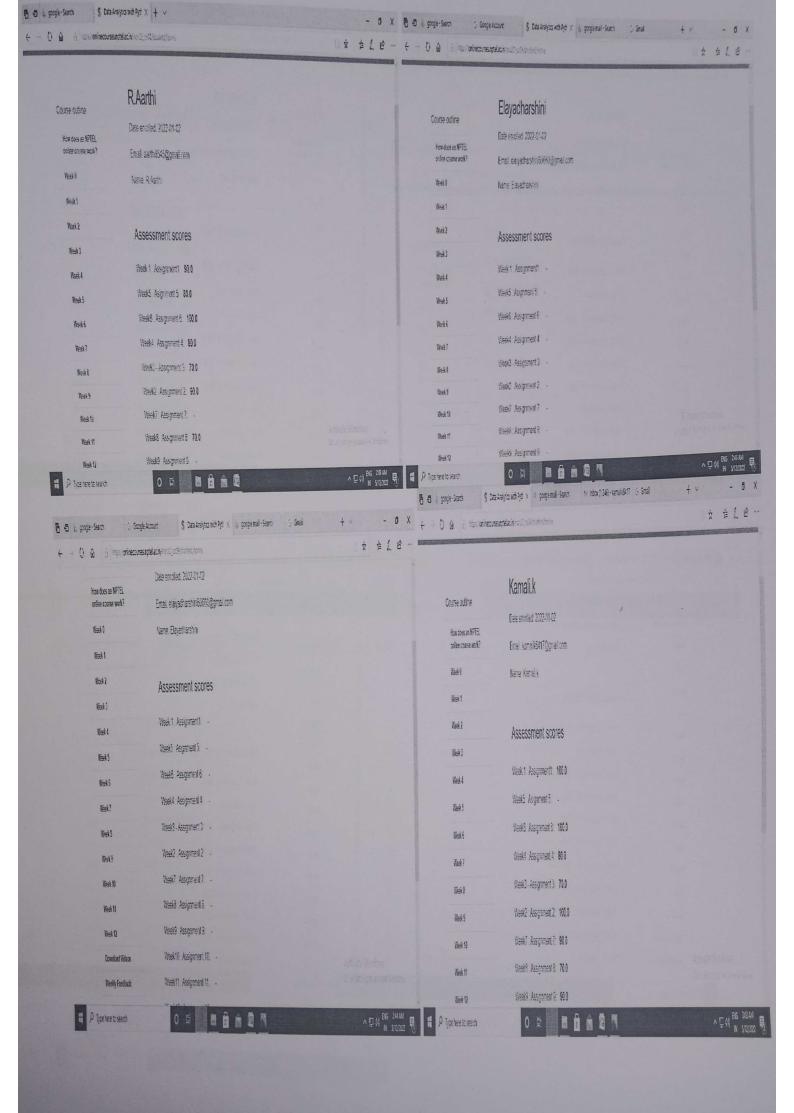
1001110000	
Week 1 : Assignment1	90
Week5 : Asignment 5	80
Week6 : Assignment 6	100
Week4 : Assignment	80
Week3 - Assignment 3	70
Week2 : Assignment 2	90
Week7 : Assignment 7	80
Week8 : Assignment 8	70
Week9 : Assignment	70
Week10 : Assignment 10	100
Week11 : Assignment 11	100
Week12 : Assignment 12	70
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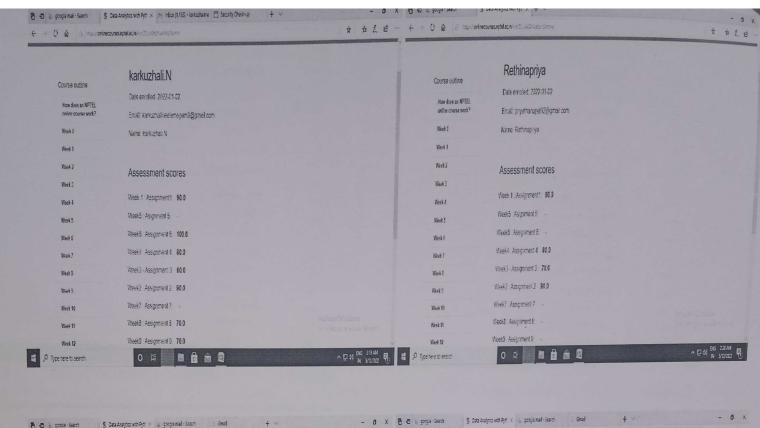
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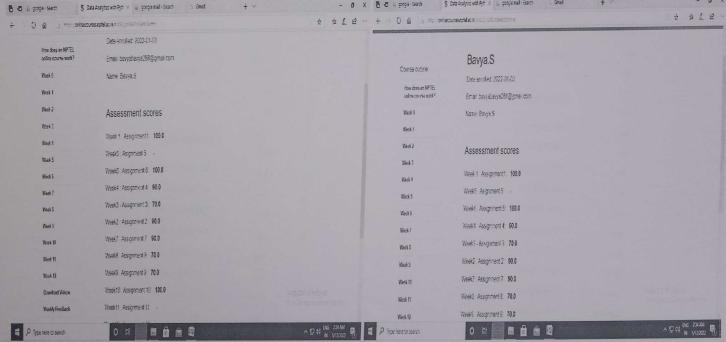
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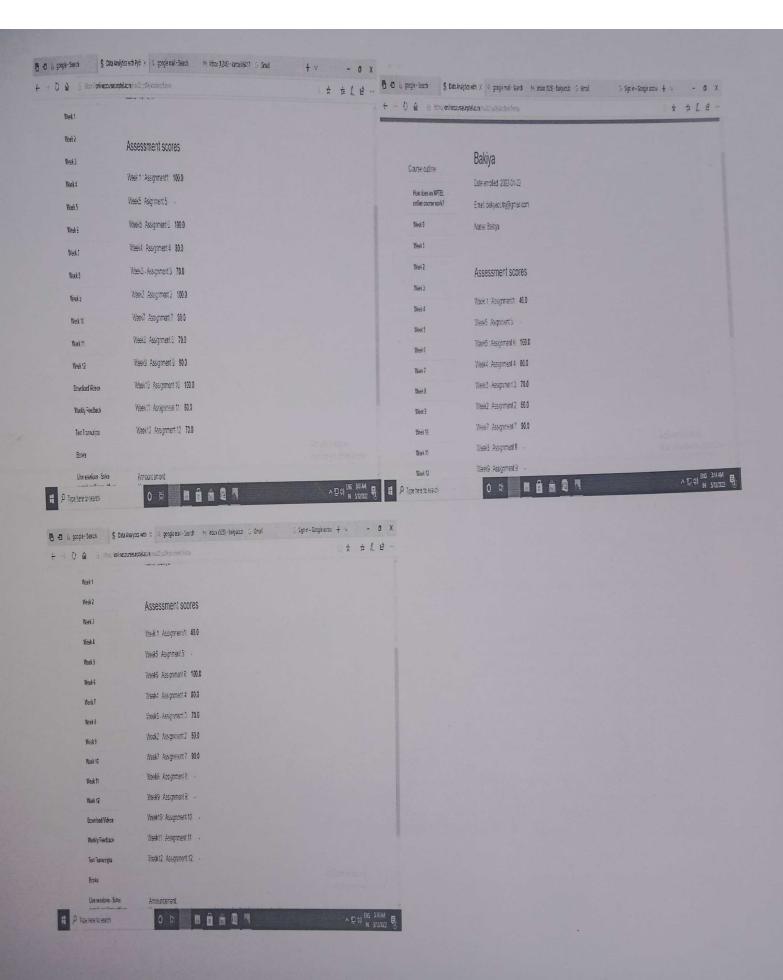
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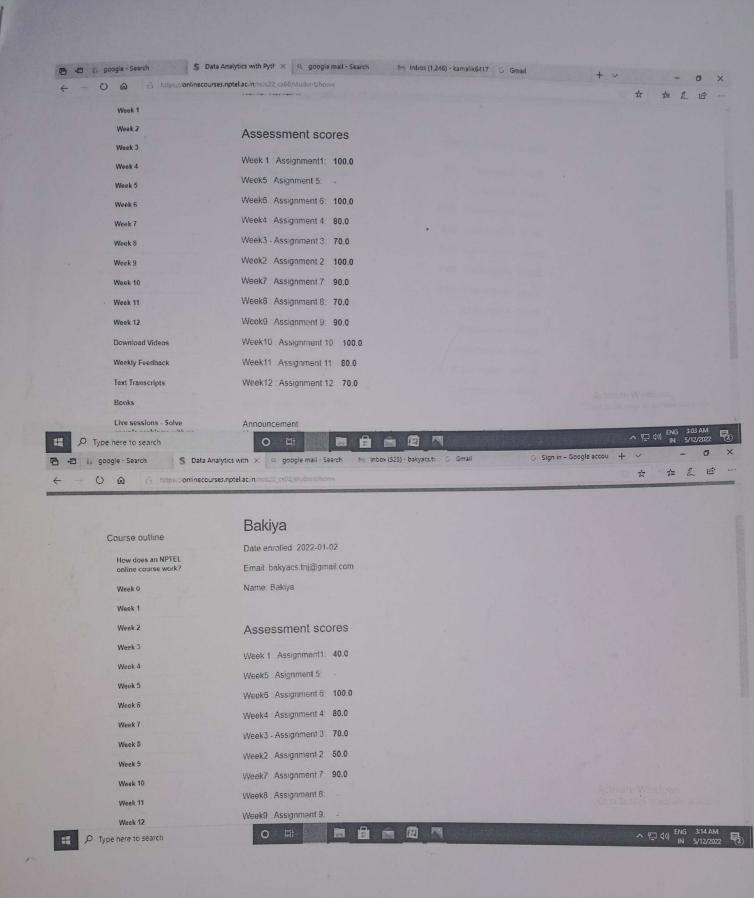
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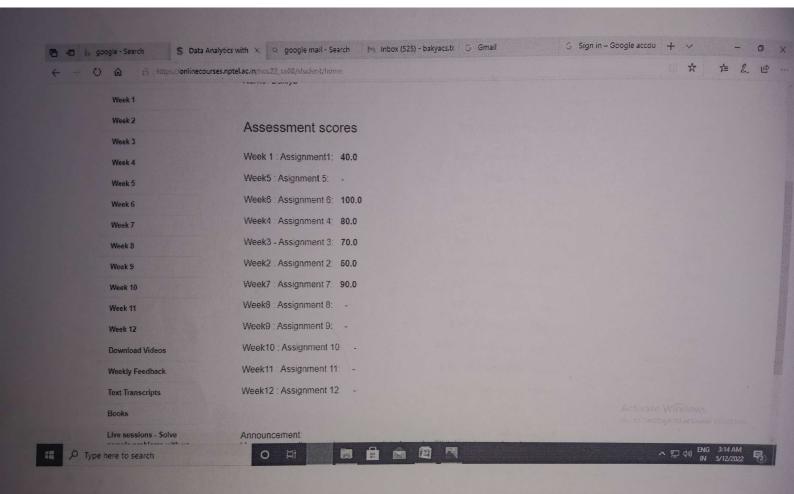


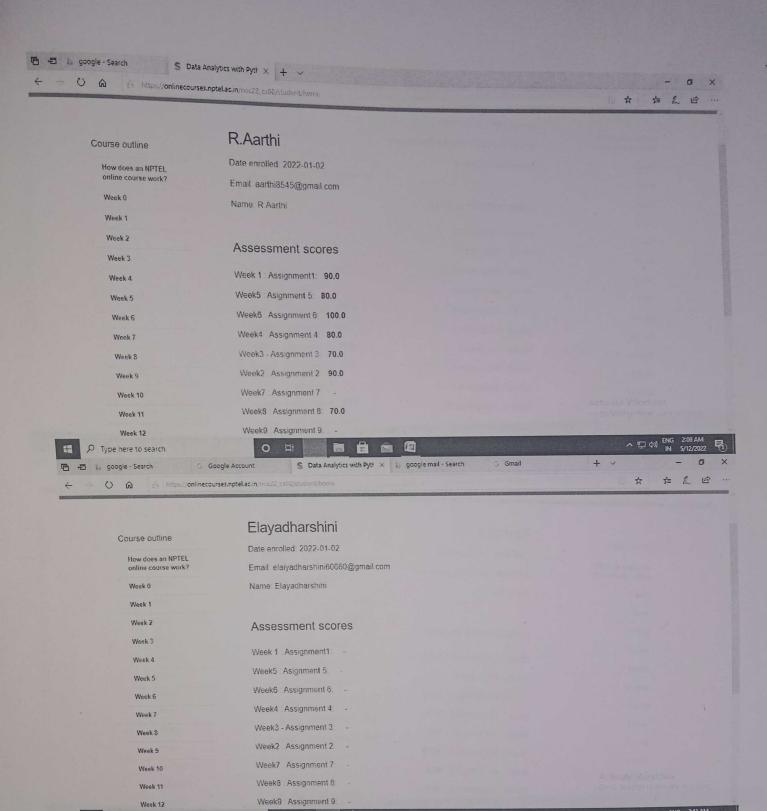




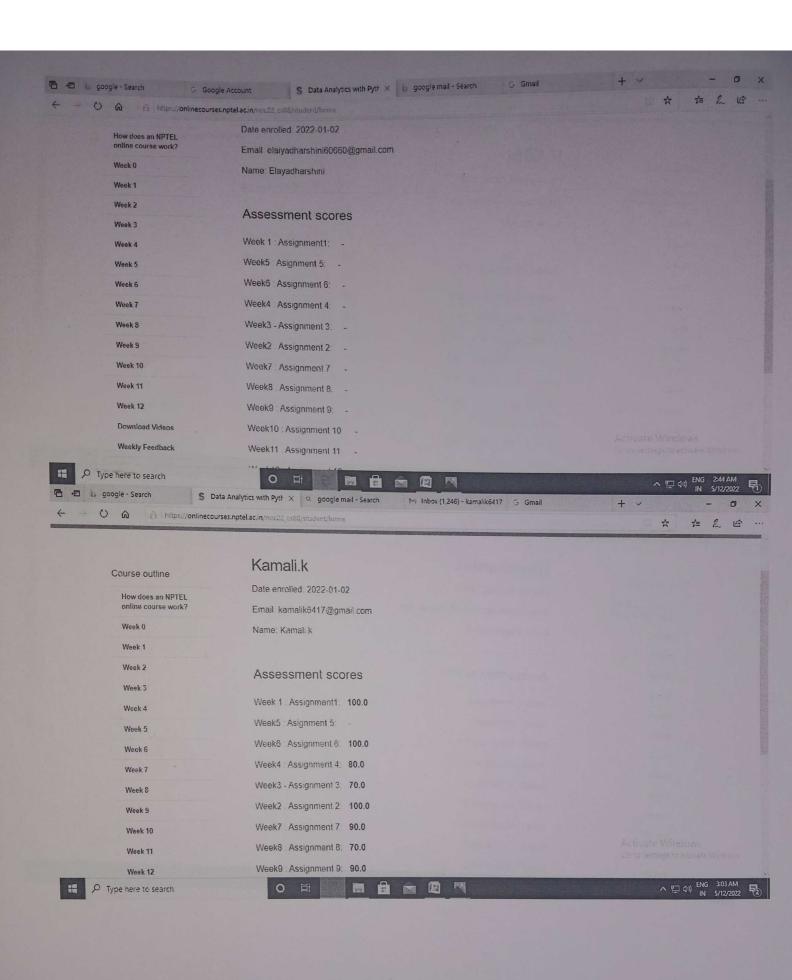


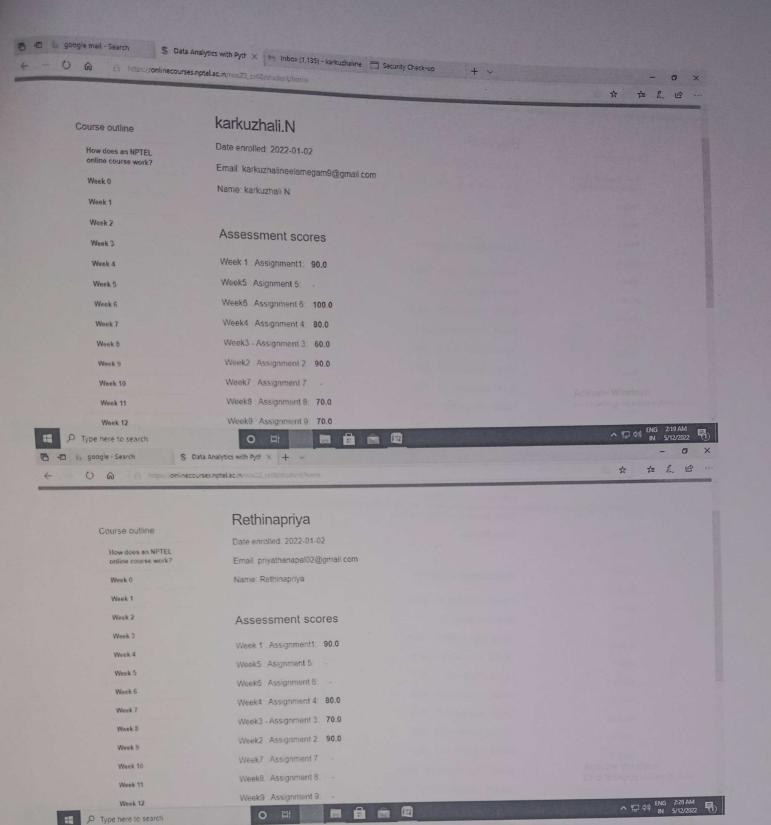


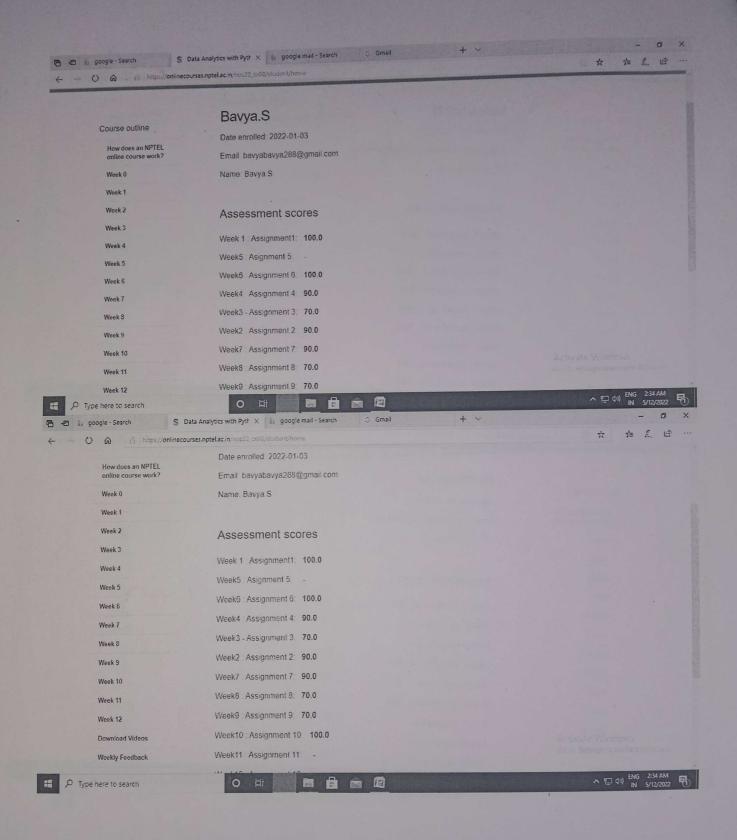




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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

TIME TABLE (MARCH 2022 - JUNE 2022, EVEN SEM)

B.E - CSE (Reg. 2017) - With Effect from 16.03.2022 - Tentative Last Working Day - 16.06.2022

Batch:2018-2022

Semester: VIII

Class Room: 225

Strength:4 Block.

Year: IV		Donne							and the second		
Session	1	2	10.55 am	3	4	12.50	5	6	03.10	7 03.15pm	
Day	09.15am - 10.05am	10.05am - 10.55am	11.10 am	11.10am - 12.00pm	12.00pm - 12.50pm	pm - 01.30 pm	01.30pm - 02.20pm	02.20pm - 03.10pm	pm - 03.25 pm	04.15pm	
MON	CS8078	IT8073/ GE8076	ВREAK	LIB/NET	RWP		IT8073/ GE8076	SDC		SDC	
TUE	CS8078	IT8073/ GE8076		CS8078	IT8073/ GE8076	AK	CS8078	CS8811		CS8811	
WED	IT8073/ GE8076	CS8078		IT8073/ GE8076	CS8078	BREAK	T&P(A)	МСС	BREAK	MCC _	
THU	IT8073/ GE8076	CS8078	BRI	T&P(SS)	IT8073/ GE8076	LUNCH	CS8078	МСС	B	MCC '	
FRI	CS8078	IT8073/ GE8076		CS8078	IT8073/ GE8076	ī	L	MC	CC		MCC
SAT	CS88	811		CS8	CS8811		CS8811			CS8811	

SUB	OF THE CHDIECT	CATEGORY	CREDITS	NAME OF THE STAFF	DEPT	PERIODS/WEE	
CODE	NAME OF THE SUBJECT			TIVE (E)			
		TUTORIA	AL (T), ELEC		CCE	10	
IT8073	Information Security	PE	3(E4)	Mr.S.Rajarajan	CSE		
GE8076	Professional Ethics in	PE	3(E4)	Dr.K.Sudhakar	T&P	10	
	Engineering Green Computing	PE	3(E5)	Mr.M.Arun	CSE	10	
CS8078	Green companies		PRACTICAL				
		EEC	10	Dr.S.M.Uma	CSE	9	
CS8811	Project Work		DDITION INTIATIVES (VAI)				
		VAI	Mr.S.Rajarajan	CSE	1		
LIB/NET Library / Internet		VAI	Mr.S.Rajarajan & Ms.D.R.Saranya	CSE	1		
MCC	Swayam/ NPTEL Online Course			Ms.K.Abhirami &	CCE	1	
RWP	Report Writing Practice	Writing Practice		Ms.R.S.Karthiga	CSE		
RVVP			VAI	Mr.M.Arun	CSE	2	
SDC	Skill Development Course		VAI	Ms.P.Suganya		1	
T&P(A)	Training and Placement (Aptitude)			T&P	1	
1. Pl ant (Coft Skills)		s)	VAI Mr.B.Sureshbabu			ROLL NO	
			NAME OF THE REPRESENTATIVES			16	
CLASS CC	CLASS CO-ORDINATOR			in	-370	32	
Mr.S.Rajar	ajan	T.Selvarani 32					
CLASS CO	MMITTEE CHAIR PERSON		Ms.G.Chand	rapraba	^		

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



CONTRE PROSPER

k. Sowmiya

Date enrolled: 2022-01-01

Email: sowmiyakoss@gmail.com

Name: K.Sowmiya

Assessment scores

Week 1: Assignment:

Week5 : Asignment 5: 80.0

Weeks Assignment 5: TOOLO

Weeks : Assignment 4:

Week3 - Assignment 3: 50.0

Week2: Assignment 2:

Week7: Assignment 7: 7000

Weeks: Assignment 8: 70.0

Weeks: Assignment 9: 20.0

WeekTO: Assignment 10: 70.0

Weekit: Assignment it: TI DIOLO

Week12: Assignment 12:

SWAYAMIN (M)



Course Progress

Keerthana

Date emolled: 2022-01-01

Email: keerthana8@gmail.com

Keerthana

Assessment scores

Week 1: Assignment1: 100.0

Week5: Asignment 5: 80.0

Week6 : Assignment 6:

Weeks : Assignment 4: 90.0

Week3 - Assignment 3 50.0

Week2: Assignment 2: 90 CH C

Week7: Assignment 7: 70.0

Week8: Assignment 8:

Week9 : Assignment 9: 70.0

Week10: Assignment 10: 70.0

Weekil: Assignment II: 100.0

Week12: Assignment 12



Abirami

Date errolled 2022-01-01

Fmm Abirami25gmail.com

Name Abirami

Assessment scores

Week to Americantes THE CHICK OF

Weeks Angrament & 80.0

THE CHEST CHEST Weston: Assistanteent bo

90.0 Weeks Assignment 4:

50.0 Week3 - Assignment 3:

Week2: Assignment 2: 450 CR. 450

Week? - Assignment 2:

Wooks Assignment B. 70.0

Weeks Assignment 9: 70.0

Week 10 - Assignment 10

Week' I - Assignment III THE SCHOOL NEWS

Week 12 Assignment 12

SWEETEN THE

Gayathri.k

Engage work of the DECEMBER OF THE

Emaligayathrik45gmail.com

Name Gayathri.k

Assessment scores

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"AND ADMINISTRAL OF A SECOND SERVICE SECOND TO DE ACT

Weeklo Assuration 10

West T. Acceptance The Total

Western American Tolking

Vidhyadharan

Date enrolled 2022-D1-01

Email: vidhyadharangmail.com

Name: Vidhyadharan

Assessment scores

Week 1 Assignment1: 100.0

Weeks Asignment 5: 80.0

Weeks Assignment 6 100.0

90.0 Weeks : Australiant d. 50.0

WeekS - Assignment 3: 90.0

Week2 : Assignment 2: 70.0

West? : Assignment 7: 753.63

Weeks : Assignment 5 Woold Assignment o 70.0

Week10: Assignment 10: 70.0

Week 11 : Assignment 11: 100.0

Week 12 : Assignment 12:

swayain (m)



FF-4

Surya

Date emolled 2022-01-01

surva23@gmail.com SCITTORIS:

Surya Marrier.

Assessment scores

Week 1 : Annignment 1 100.0

Week5 Asignment 5 80.0

TOO.O Weeks Assignment 6

90.0 Weeks Assignment d.

Week3 - Assignment 3: 50.0

Week2 : Assignment 2: 90.0

Week7 Assignment 7

Weeks : Assignment 5: 70.0

Weeks Assignment 9 70.0

Week10: Assignment 10: 70.0

Week 11 Assignment 11 100.0

Week12 : Assignment 12



Hariharan

Date or colors 2022 01-01

Email: hariharan56gmail.com

Name Hariharan

Assessment scores

ANTERONE B. MANDERS STREET, THOUGH D.

Western Personality Brown

Western Permittenning for 100.0

White and the second se 9000

Weeks - Assignment S. 50.0

Wester : Proposignations 2: 90.0

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Western T. Commission of the American

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NPTEL » Data Analytics with Python



Course Progress

Rathna kumar

Date empled 2022-01-01

Email: rathnakumar98gmail.com

Name: Rathna kumar

Assessment scores

Week 1: Assignment: 100.0

Week5 Asignment 5: 80.0

Week6 : Assignment 5: 100.0

Weeks Assignment 4: 50.0

Week3 - Assignment 3. 50.0

Week2 Assignment 2:

20.0 Week7: Assignment 7:

Weeks Assignment S: 70.0

Weeks: Assignment 9: 70.0

WeekTO: Assignment IO:

Week11: Assignment 11: 100.0

Week12: Assignment 12:

Jemima esther grace

Date enrolled: 2022-01-01

Email: Jemima7602@gmail.com

Name: Jemima esther grace

Assessment scores

Week 1: Assignment1: 100.0

Week5: Asignment 5: 8:0.0

Week6: Assignment 6: 100.0

Week4: Assignment 4: 90.0

Week3 - Assignment 3: 50.0

Week2: Assignment 2: 90.0

Week7: Assignment 7:

Week8: Assignment 8: 70.0

Week9 : Assignment 9: 70.0

Week10: Assignment 10: 70.0

Week11: Assignment 11: 100.0

Week12: Assignment 12:

swayain (m)

unter ... Cota Analytics with Python

75.

Con

R. Sarathkumar

Date errolled: 2022-01-01

Email: sarathkumar02@gmail.com

Name: R. sarathkumar

Assessment scores

Week 1: Assignment: 100.0

Week5: Asignment 5: 80.0

Week6: Assignment 6: 100.0

Week4 : Assignment 4: 90.0

Week3 - Assignment 3: 50.0

Week2 : Assignment 2: 90.0

Week7: Assignment 7: 70.0

Week8: Assignment 8: 70.0

Week9 : Assignment 9: 70.0

Week10: Assignment 10: 70.0

Week11: Assignment 11: 100.0

Week12: Assignment 12:

S. ISHWARYA

Date emolied: 2822-01-01

ishus@gmail.com

Name S. ISHWARYA

Assessment scores

Week t Assignment! 100.0

WeekS Asignment 5: 80.0

Week6 : Assignment 6: 100.0

Weeks Assegrament 4: 90.0

Week3 - Assignment 3: 50.0

Week2: Assignment 2: 90.0

Week? Assignment 7

Weeks Assentent 8: 70.0

Weeks Assertant 9 70.0

Week10: Assignment 10:

WeekTI Assignment IT: 100.0

Weekt2: Assignment 12:

Announcement

swayain ()

MPTEL - Date Analytics with Python

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CONTRACTOR STATE AND ADDRESS OF STATE

J. RAMYA

Date ersolled 2022-01-01

Email ramya@gmail.com

Name: J. RANYA

Assessment scores

Week t Assignmentt 100.0

Weeks Angerment S. 80.0

Weeks Assignment 5: 100.0

Weeks Assertant 4 90.0

Week3 - Assignment 3: 50.0

Wheek2 Assignment 2: 90.0

Week7: Assignment 7: 69

Week9: Assignment 9: 70.0

WeekTO: Assignment 10:

WeekTI: Assignment III: 100.0

Week12 Assignment 12:

Announcement



Priyadharshini

Date enrolled: 2022-01-01

Email: priyadharshini,458@gmail.com

Name: Priyadharshini

Assessment scores

Week 1 : Assignments:

Week5: Asignment 5: ELO.O

Week6 : Assignment 6: 100.0

Week4: Assignment 4: 90.0

Waek3 - Assignment 3 50.0

Week2: Assignment 2: 90.0 Week7 : Assignment 7:

70.0 Weeks : Assignment 8:

Week9: Assignment 9: 70.0

Week10: Assignment 10: 70.0

Week11: Assignment 11: 100.0

Week12: Assignment 12:

swayarn ()

70.0

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gayathri.k

Date envolled 2022-01-01

Email gayu02@gmail.com

Name: gayathri k

Assessment scores

Week T. Assignment?

Week5 Asignment 5: 80.0

100.0 Week6 : Assignment 6.

90.0 Westerd : Assignment d

50.0 Week3 - Assignment 3:

90.0 Week2: Assignment 2:

Week7 Assignment 7

WeekB: Assignment B: 70.0

20.0 Weeks Assignment 9

Week10: Assignment 10:

Week11: Assignment 11: 100.0

Week 12 Assignment 12:

Announcement







DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ACADEMIC YEAR 2021-22 / EVEN SEMESTER

SWAYAM COURSE -REPORT

S.No	Year/Sem	Course Registered	No of Students Enrolled	No of Students Completed	Certifications (if any)
1	II/III	Data Analytics With Python	65	65	2
2	II/III		49	49	2
3	III/V		42	42	A CONTRACTOR

Certification details:

S.No	Year/Sem	Course title	Name of the students	Percentage
1	II/IV		ASHWIN V	58%
2	II/IV	Data Analytics With	MOHAMMED SAMEER S	Elite Certification 61%
3	III/VI		FASILA AFREEN J	Elite Certification 69%
4	III/VI	Python	DHARANI G	Elite Certification 62%

OUTCOME:

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

- Develop the skills required to tackle and solve complex real-world data science problems more sensibly and effectively.
- Understand and use python data science libraries as a tool for data analytics
- Create visualizations using python

f. G. Ct 26/05/22

COURSE INCHARGE

F F26/5/22

HOD/CSE

H.O.D of Computer Science & Engineering

KINGS COLLEGE OF ENGINEERING

Punalkulam, Gandarvakottai (Tk), Pudukottai (Dt) - 613 303.

PRINCIPAL

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Kings College of Engineering,



(Funded by the MoE. Govt. of India)

This certificate is awarded to

ASHWIN V

for successfully completing the course

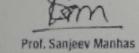
Data Analytics with Python

with a consolidated score of

Online Assignments 22.19/25 Proctored Exam

36/75

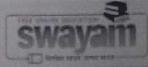
Total number of candidates certified in this course: 6359



bordinator Continuing Education Centre IT Regree

Jan-Apr 2022 . (12 week course) Prof. Priti Maheshwari

NPTEL Coordinator ST Recrises



Indian Institute of Technology Roorkee

ID:NPTEL22CS08524450635

To validate and check scores: https://nptel.ac.in/no



Elite

Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

J FASILA AFREEN

for successfully completing the course

Data Analytics with Python

with a consolidated score of 69

Online Assignments

22.5/25 Proctored Exam

46.5/75

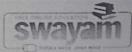
Total number of candidates certified in this course: 6359



Prof. Sanjeev Manhas ordinator, Continuing Education Centre IIT Roorkee

Jan-Apr 2022 (12 week course) Priti Mahashwani

Prof. Priti Maheshwari NPTEL Coordinator IIT Roorkee



Indian Institute of Technology Roorkee

Roll No:NPTEL 22CS 08524450613

To validate and check scores: https://nptel.ac.in/noc



Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

G DHARANI

for successfully completing the course

Data Analytics with Python

with a consolidated score of

Online Assignments | 22.81/25 | Proctored Exam

39/75

Total number of candidates certified in this course: 6359



Prof. Sanjeev Manhas pordinator, Continuing Education Centre IIT Roorkee Jan-Apr 2022

(12 week course)

Priti Mahashwani

Prof. Priti Maheshwari NPTEL Coordinator IIT Roorkee



Indian Institute of Technology Roorkee



Certification



This certificate is awarded to

MOHAMMED SAMEER S

for successfully completing the course

Data Analytics with Python

with a consolidated score of

Online Assignments 23.13/25 Proctored Exam

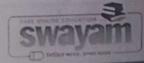
37.5/75

Total number of candidates certified in this course: 6359

Prof. Sanjeev Manhas Coordinator, Continuing Education Centre

Jan-Apr 2022 (12 week course) Priti Maheshwari

Prof. Priti Maheshwari NPTEL Coordinator IIT Roorkee



Indian Institute of Technology Roorkee

Roll No:NPTEL22CS08S14450444

To validate and check scores: https://nptel.ac.in/noc







DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ADD ON PROGRAMS / CERTIFICATE COURSE DURING THE ACADEMIC YEAR

Academic Year 2021-22

S.No	COURSE TITLE	NO. OF HOURS HANDLED	NO. OF STUDENTS ATTENDED
1.	VAC- Real Time Electronics System Design	30hrs	39
2.	MHRD sponsored IIT Bombay certification course on "SCILAB"- II Yr	30 hrs	47
3.	MHRD sponsored IIT Bombay certification course on "INKSCAPE" – III Yr	30 hrs	42
4.	MHRD sponsored IIT Bombay certification course on "ARDUINO" – IV Yr	30 hrs	. 39
5.	SWAYAM course on "Microprocessor And Interfacing" - III Yr	12 Weeks	31
6.	My Credit Course on "Embedded System Design" IV Yr	12 Weeks	35
7.	MHRD sponsored IIT Bombay certification course on "GIMP"- II Yr	30 hrs	47
8.	MHRD sponsored IIT Bombay certification course on "LATEX" – III Yr	· 30 hrs	42
9.	MHRD sponsored IIT Bombay certification course on "eSIM" – IV Yr	30 hrs	39

Total No. of Add-on Courses organized: 09

No. of students Attended : 361

FACULTY IN-CHARGE

all some 22/11/22

HOD/ECE

RECTRONICS AND COMMUNICATION ENGINEERING KINGS COLLEGE OF ENGINEERING

J. 182/11/2022

PRINCIPAL

PRINCIPAL Kings College of Engineering, PUNAL KULAM - 613 303.

GONDARYANDITAL TALUK, PUDUKOTTAL DISTO-CT







DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ACADEMIC YEAR 2021-2022 (ODD SEM)

VALUE ADDED COURSE

SUBJECT CODE/NAME: IVA019-REAL TIME ELECTRONICS SYSTEM DESIGN

YEAR/SEMESTER: III/V

SYLLABUS

PREPARED BY
Mr. T. JEYASEELAN AP/ECE

SYLLABUS

IVA019

REAL TIME ELECTRONICS SYSTEM DESIGN

L T P C 1 0 1 2

UNIT I REAL TIME ELECTRONICS SYSTEM COMPONENTS

6

6

Introduction-Functional components of real time electronics system-Analog IO devices-Digital IO devices-Processor –Memory devices -communication modules.

UNIT II CREATING APPLICATIONS WITH μVISION4 SOFTWARE TOOL

Development Tools- µVISION4 Integrated development tool-Debugger-Compiler-Simulator-Keil RTX RTOS kernel-Creating Embedded Programs-Building the project-Logic Analyzer-Programming Flash devices.

UNIT III HARDWARE DESIGN AND DEVELOPMENT

6

ATmega328P microcontroller – memory Integration-Interfacing compact Flash and SD cards-IO device Integration- Interfacing display device, switch, Buzzer, Relay -Sensor Integration-Interfacing gas sensor, Ultrasonic sensor, Infrared sensor, Accelerometer, gyro meter and magnetometer.

UNIT IV PROGRAMMING OF WIRELESS COMMUNICATION MODULES

Wireless Technology for control applications -Development and implementation of wireless communication using Zigbee, Bluetooth, LiFi, and Wi-Fi - Development and Implementation of wireless control using RF transceiver, GSM and GPS.

UNIT V IMPLEMENTATION OF REAL TIME APPLICATIONS

6

6

Automatic Irrigation System -Real time air pollution monitoring system using GSM and GPS-LPG gas leakage and fire alert safety system-camera based anti theft security system-Remote wireless control of electrical and electronics home appliances/industrial machines- Smart watch for heart rate and BP monitoring.

TOTAL: 30 PERIODS

DEPT.VACC

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PUNALKULAM - 613 303







DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

COURSE PLAN

Sub. Code: IVA019 **Branch / Year / Sem**: B.E ECE / III /V

Sub. Name: Real Time electronics system design **Batch**: 2019-2023

Staff Name : Mr.T.Jeyaseelan Academic Year : 2021 - 22 (ODD)

COURSE OBJECTIVE

- To make the students to apply fundamental concepts in Electronics systems for providing solutions for real-time system design.
- To provide practical experience to the students on interfacing of Input-Output devices, communication devices with the processor.
- To introduce the basic concepts in Hardware and software design.
- To practice the students in order to implement electronics system for the real time applications

TEXT BOOKS

- **T1.** "Real-Time Systems Design Principles for Distributed Embedded Applications", Hermann Kopetz, Kluwer Academic Publishers.
- **T2.** The 8051 Microcontroller Architecture, Programming and Applications", Kenneth J. Ayala, THOMSON Learning.

REFERENCE BOOKS

R1." Embedded C", Michael J. Pont, Pearson Education.

R2. "Sensors and Transducers", Ian R.Sinclair, Third edition, Newnes.

R3."8051 Micro controller An applications based Introducton" David Calcutt, Fred Cowan Hassan Parchizadeh, Elsevier.

R4."C Programming for Embedded Systems", Kirk zurell, R&D books, CMP media, Inc, USA.

WEB RESOURCES

W1. https://nptel.ac.in/courses/Webcourse-

contents/IIT%20Kharagpur/Embedded%20systems/Pdf/Lesson-3.pdf (Topic No. 01, 05, 06)

W2.http://www.eng.auburn.edu/~nelson/courses/elec3040_3050/C%20programming%20for%20embed ded%20system%20applications.pdf (**Topic No. 09, 10, 11**)

W3.https://cs.wmich.edu/alfuqaha/spring15/cs6570/lectures/PHY-MAC-Bluetooth-ZigBeerev2.pdf (Topic No. 19)

W4. https://www.electronics-tutorials.ws/io/io_7.html (Topic No. 18)

W5. https://www.engineersgarage.com/microcontroller/8051projects (**Topic No. 20-30**)

Topic No	Topic	Books for Reference	Page No.	Teaching Methodology	No. of Hours Required	Cumulative No. of periods
UNIT I	REAL TIM	E ELECTRON	VICS SYST	EM COMPONE	NTS	(6)
1.	Introduction	T1 W1	1-8	PPT	1	1
2.	Functional components of real time electronics system	T1	30-35	PPT	1	2
3.	Analog IO modules	R2	87-115	PPT	1	3
4.	Digital IO modules	R2	37-40	PPT	2	5
5.	Processor, Memory devices	W1		PPT	2	3
6.	communication modules	W1		PPT	1	6

LEARNING OUTCOME

At the end of unit, students will be able to

- Know the functional components of Real time electronic system.
- Understand the concept and architecture of real-time system.

UNIT II	CREATING APPLICATIONS WITH μVISION4 SOFTWARE TOOL (6)						
7.	Development Tools	R1	36-37	PPT			
8.	μVISION4 Integrated development tool	R1	38-40	Practical	2	8	
9.	Debugger-Compiler- Simulator-Keil RTX RTOS kernel	R4, W2	60-63	Practical	1	9	
10.	Creating Embedded Programs	R4, W2	64	Practical	1	10	
11.	Building the project	R4 W2	63,66	Practical	1	11	
12.	Logic Analyzer- Programming Flash devices.	R1	43-45	Practical	1	12	

LEARNING OUTCOME

At the end of unit, students will be able to

- Know the basics of $\mu\text{VISION4}$ Software Tool. . Develop an embedded System for a typical electronic application.

UNIT III	I HARDWARE DESIGN AND DEVELOPMENT					
13.	ATmega328P	T2	11-22	PPT	1	13
101	microcontroller	12	11 22	111	1	10
14.	Memory Integration- Interfacing compact Flash and SD cards	Т2	22-28	Practical	1	14
15.	IO device Integration- Interfacing display device,switch,Buzzer,Relay	Т2	163- 166	Practical	1	15
16.	Sensor Integration- Interfacing gas sensor-gyro meter and magnetometer	R2	87-115	Practical	1	16

17.	Ultrasonic sensor, Infrared sensor and Accelerometer.	R2	116 - 155, 164-167	Practical	1	17
18.	Stepper motor and dc motor.	W4	-	Practical	1	18

LEARNING OUTCOME

At the end of unit, students should be able to

- Study the architectural features of AVR microcontroller. Know the interfacing of I/O devices and sensors with AVR microcontroller.

UNIT IV	PROGRAMMING OF WIRELESS COMMUNICATION MODULES (6)							
Topic No	Topic	Books for Reference	Page No.	Teaching Methodology	No. of Hours Required	Cumulative No. of periods		
19.	Wireless technology for industrial and control applications	W3	-	PPT	1	19		
20.	Development and implementation of wireless communication using Zigbee	W5	-	Practical	1	20		
21.	Bluetooth	W5	-	Practical	1	21		
22.	LiFi, and Wi-Fi.	W5	-	Practical	1	22		
23.	Development and Implementation of wireless control using using RF transceiver, GSM	W5	-	Practical	1	23		
24.	GPS	W5	-	Practical	1	24		

LEARNING OUTCOME

At the end of unit, students will be able to

- Interface wireless communication module for real-time system.
- Implement wireless communication application.

UNIT V	V REAL TIME SYSTEM APPLICATION EXAMPLES (6)					
25.	Automatic Irrigation System on sensing soil moisture content	W5	-	Practical	1	25
26.	Real time air pollution monitoring system using GSM and GPS	W5	-	Practical	1	26
27.	LPG gas leakage and fire alert safety system	W5	ı	Practical	1	27
28.	camera based anti theft security system	W5	1	Practical	1	28
29.	Remote wireless control of electrical and electronics home appliances/industrial machines	W5	1	Practical	1	29
30.	Smart watch for heart rate and BP monitoring	W5	-	Practical	1	30

LEARNING OUTCOME

At the end of unit, students will be able to

- Design Real-time Electronics systems.
- Implement Real-time Electronics applications.

COURSE OUTCOME

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

- Apply knowledge of basic Electronics for realizing real time electronics system
- Design applications based on sensors, IO devices, peripheral ICs and microcontroller.
- Formulate Hardware and software design of real-time system.
- Build real-time electronic applications.

INTERNAL ASSESSMENT DETAILS

ASST. NO.	Home I was	II
Topic Nos.	1 - 15	16-30
Date	200 aka	- SE

Prepared by

Mr.T.Jeyaseelan

au 2000 10/9/21

Verified by

HOD/ECE

Approved by

PRINCIPAL
Kings Collegen Engineering,
PUNALKULAM - 613 303.





(NAAC Accredited Institution)
roved by AICTE, New Delhi, Affiliated to
Anna University, Chennai)

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING Academic Year 2021-22 / ODD Semester

VALUE ADDED COURSE TIME TABLE

B.E -ECE (Regulation 2017)

Session	1	2		3	12.45 pm	4	5
Day	9.30 am - 10.30am	10.30 am - 11.30 am	11.30 am - 11.45 am	11.45 am - 12.45 pm	1.30 pm	1.30 pm - 2.30 pm	2.30 pm - 3.30 pm
SAT	IVA019 (Theory Session)	IVA019 (Practical Session)	BREAK	IVA019 (Practical Session)	LUNCH		

SUB CODE	NAME OF THE SUBJECT	CREDITS	NAME OF THE STAFF	DEPT	PERIODS/WEEK
IVA019	Real Time Electronics System Design	2	Mr.T.Jeyaseelan	ECE	3

10/9/21

DEPT.VACC

HOD/ECE

PRINCIPAL

PRINCIPAL Kings College of Engineering, PUNALKULAM - 613 303,







A REPORT

ON

"SWAYAM/NPTEL ONLINE COURSES"
FOR THE ACADEMIC YEAR 2021-2022 EVEN SEMESTER.







Organized by Department of Electronics and Communication Engineering KINGS COLLEGE OF ENGINEERING, PUNALKULAM A NAAC Accredited Institution

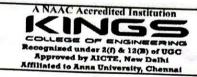
Recognized under 2(f) & 12(B) of UGC

(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 2021-2022 (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 2021-2022 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.

➤ All the 39 students have preferred the course named "Embedded System Design" with 12 weeks duration.

Course Start Date: 24th January 2022 and the Course End Date: 15th April 2022.

1. COURSE NAME: EMBEDDED SYSTEM DESIGN

This course was handled by **Professor Anupam Basu** from Indian Institute of Technology (IIT) Kharagpur.

The course starting date was 24th January 2022.

The course ending date was 15th April 2022.

The duration of this course was 12 weeks.

Embedded Systems Design

By Prof. Anupam Basu | IIT Kharagpur

Go to course

Learners enrolled: 5127



The Course layout was scheduled as follows.

COURSE LAYOUT

Week 1: Introduction to Embedded System, ASICs and ASIPs

- ✓ Processor
- ✓ General Purpose and ASIPs Processor
- ✓ Designing a single Purpose Processor.

Week 2: Designing Single Purpose Processors and Optimization

✓ Optimization Issues

Week 3: Introduction to FPGAs and Synthesis

- ✓ Introduction to FPGA
- ✓ Behavioral Synthesis on FPGA using VHDL

Week 4: Verilog Hardware Description Language (Verilog HDL)

- ✓ Sensors and Signals
- ✓ Discretization of signals and A/D converter
- ✓ Quantization Noise, SNR and D/A converter
- ✓ Arduino Uno

Week 5: Microcontrollers and Power Aware Embedded System Design

- Serial communication and Timer
- ✓ Controller Design using Arduino
- ✓ Power aware embedded system

Week 6: Real Time Operating System

- ✓ SD and DD Algorithm
- ✓ Parallel Operations and VLIW
- ✓ Code Efficiency

Week 7: Real Time Scheduling Algorithms

- DSP Application and Address Generation Unit
- ✓ Real time OS
- ✓ RMS Algorithm

Week 8: Modelling and Specification

- ✓ EDF Algorithm and Resource Constraint Issue
- Priority Inversion and Priority Inheritance Protocol
- ✓ Modelling and Specification

Week 9: Design Synthesis

- ✓ FSM and state chart
- ✓ Statechart and Statement semantics
- ✓ Statecharts
- ✓ Program State Machine

Week 10: Digital Camera Design and Hardware Software Partitioning ✓ SDL

- ✓ Data flow model
- ✓ Hardware Synthesis

Week 11: Design Optimization

- ✓ Scheduling
- ✓ Digital Camera Design
- ✓ Digital Iterative design

Week 12: Simulation and Verification

- ✓ HW-SW Partitioning
- ✓ Optimization
- ✓ Simulation

In this course, totally 12 assessments were given. These assessments scores were considered for the final exam.

OUTCOME:

- > The students gained more knowledge on Embedded system design through this effective online course.
- > Out of 39 students, 35 students have completed the course successfully.
- > The course progress were attached below.

IQAC Member

HOD/ECE

PRINCIPAL

Kings College of Engineering, PUNALKULAM - 613 303.

EMBEDDED SYSTEM DESIGN - COURSE PROGRESS

Email: nivethac1808@gmail.com

Name: C. Nivetha

Email: santhiyasuresh165@gmail.com

Name: S. SANTHIYA

Assessment scores

Week 1: Assignment 1: 60.0

Week 2: Assignment 2: 60.0

Week 3: Assignment 3: 60.0

Week 4: Assignment 4: 60.0

Week 5: Assignment 5: 100.0

Week 6: Assignment 6: 80.0

Week 7: Assignment 7: 80.0

Week 8: Assignment 8: 80.0

Week 9: Assignment 9: 60.0

Week 10: Assignment 10: -

Week 11: Assignment 11: -

Week 12: Assignment 12: 70.0

Assessment scores

Week 1: Assignment 1: -

Week 2: Assignment 2: -

Week 3: Assignment 3: 60.0

Week 4: Assignment 4: 60.0

Week 5: Assignment 5: 100.0

Week 6: Assignment 6: 80.0

Week 7: Assignment 7: 80.0

Week 8: Assignment 8: 70.0

Week 9: Assignment 9: 60.0

Week 10: Assignment 10: 80.0

Week 11: Assignment 11: -

Week 12 : Assignment 12:

SRIMATHI.C

Assessment scores

Week 1: Assignment 1: 60.0

Week 2: Assignment 2: 70.0

Week 3: Assignment 3: 60.0

Week 4: Assignment 4: 60.0

Week 5: Assignment 5: 100.0

Week 6: Assignment 6: 80.0

Week 7: Assignment 7: -

Week 8 : Assignment 8: 70.0

Week 9: Assignment 9: 70.0

Week 10: Assignment 10: 80.0

Week 11: Assignment 11: 40.0

Week 12: Assignment 12: 70.0

Email: spriya21734@gmail.com

Name: S.Priyadharshini

Assessment scores

Week 1: Assignment 1: -

Week 2: Assignment 2: -

Week 3: Assignment 3: -

Week 4: Assignment 4: 70.0

Week 5: Assignment 5: 100.0

Week 6: Assignment 6: 80.0

Week 7: Assignment 7: 80.0

Week 8 : Assignment 8: 80.0

Week 9: Assignment 9: 70.0

Week 10: Assignment 10: 80.0

Week 11: Assignment 11: 50.0

Week 12: Assignment 12: 80.0

Name: D.SUSHMA

Assessment scores

Week 1: Assignment 1: 60.0

Week 2: Assignment 2: 70.0

Week 3: Assignment 3: 60.0

Week 4: Assignment 4: 60.0

Week 5: Assignment 5: 100.0

Week 6: Assignment 6: 80.0

Week 7: Assignment 7: -

Week 8: Assignment 8: 80.0

Week 9: Assignment 9: 70.0

Week 10: Assignment 10: 70.0

Week 11: Assignment 11: -

Week 12: Assignment 12: 60.0

Email: suriyaece2000@gmail.com

Name: R.Suriya

Assessment scores

Week 1: Assignment 1: 60.0

Week 2: Assignment 2: 70.0

Week 3: Assignment 3: 10.0

Week 4: Assignment 4: 60.0

Week 5: Assignment 5: -

Week 6: Assignment 6: 80.0

Week 7: Assignment 7: 60.0

Week 8: Assignment 8: 80.0

Week 9: Assignment 9: -

Week 10: Assignment 10: 80.0

Week 11: Assignment 11: -

Week 12 : Assignment 12: -

ananthavalli02062001@gmail.com

Name: K. Ananthavalli

Assessment scores

Week 1 : Assignment 1:

Week 2: Assignment 2: -

Week 3: Assignment 3: 60.0

Week 4: Assignment 4: 60.0

Week 5 : Assignment 5: 100.0

Week 6 : Assignment 6: 80.0

Week 7: Assignment 7: 80.0

Week 8: Assignment 8: -

Week 9: Assignment 9: 70.0

Week 10: Assignment 10: 70.0

Week 11: Assignment 11: -

Week 12: Assignment 12: -

Embedded Systems Design - Course Prog...

Name: ANITHA J

Assessment scores

Week 1 : Assignment 1: 60.0

Week 2: Assignment 2: 70.0

Week 3: Assignment 3: 60.0

Week 4: Assignment 4: 60.0

Week 5: Assignment 5: 100.0

Week 6: Assignment 6: 80.0

Week 7 : Assignment 7: 80.0

Week 8: Assignment 8: 80.0

Week 9: Assignment 9: 70.0

Week 10: Assignment 10: 80.0

Week 11 : Assignment 11: 50.0

Week 12: Assignment 12: 80.0

Announcement:

9:44 🛇 🖰 😘 😘 😘 😘 😘 📆 📆

KAWYA. A

Date enrolled: 2022-02-04

Email: kawya19102000@gmail.com

Name: KAWYA. A

Assessment scores

Week 1: Assignment 1: 60.0

Week 2: Assignment 2: 70.0

Week 3: Assignment 3: 60.0

Week 4: Assignment 4:

Week 5: Assignment 5: 100.0

Week 6: Assignment 6: 80.0

Week 7: Assignment 7: -

Week 8: Assignment 8: 80.0

Week 9: Assignment 9: 70.0

Week 10 : Assignment 10:

Week 11: Assignment 11: -

Week 12 : Assignment 12: -

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Course Progress

V.Vishwabharathy

Date enrolled: 2022-02-04

Email: vishwabharathy2001@gmail.com

Name: V.Vishwabharathy

Assessment scores

Week 1 : Assignment 1: -

Week 2 : Assignment 2: -

Week 3: Assignment 3: -

Week 4: Assignment 4: -

Week 5: Assignment 5: 100.0

Week 6: Assignment 6: 80.0

Week 7: Assignment 7: 80.0

Week 8: Assignment 8: 80.0

Week 9: Assignment 9: 60.0

Week 10: Assignment 10: 60.0

Week 11 : Assignment 11: 50.0

Week 12 : Assignment 12: -

Email: aparnaasri2000@gmail.com

Name: APARNAA S

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

Week 5: Assignment 5: 100.0

Week 6: Assignment 6: 80.0

Week 7: Assignment 7: 80.0

Week 8 : Assignment 8: 80.0

Week 9: Assignment 9: 60.0

Week 10: Assignment 10: 70.0

Week 11: Assignment 11: 60.0

Week 12: Assignment 12: 60.0

II O <

Email: vinothamg25@gmail.com

Name: M.vinotha

Assessment scores

Week 1: Assignment 1: 60.0

Week 2: Assignment 2: 70.0

Week 3: Assignment 3: 60.0

Week 4: Assignment 4: 70.0

Week 5: Assignment 5: 100.0

Week 6: Assignment 6: 80.0

Week 7: Assignment 7: 80.0

Week 8: Assignment 8: 80.0

Week 9: Assignment 9: -

Week 10: Assignment 10: 70.0

Week 11: Assignment 11: 70.0

Week 12: Assignment 12: 80.0



LATCHAYASRI. G

Date enrolled: 2022-02-07

Email: latchayasri2k@gmail.com

Name: LATCHAYASRI. G

Assessment scores

Week 1 : Assignment 1: 60.0

Week 2 : Assignment 2: 70.0

Week 3 : Assignment 3: 60.0

Week 4 : Assignment 4: 70.0

Week 5 : Assignment 5: 100.0

Week 6 : Assignment 6:
Week 7 : Assignment 7: 80.0

Week 8 : Assignment 8: 90.0

Week 9 : Assignment 9: 70.0

Week 10 : Assignment 10: 80.0

Week 11 : Assignment 11: 50.0

nivethathangasamy2000@gmail.com

Name: T.Nivetha

Assessment scores

Week 1 : Assignment 1: -

Week 2 : Assignment 2: -

Week 3: Assignment 3: 50.0

Week 4: Assignment 4: 60.0

Week 5: Assignment 5: -

Week 6: Assignment 6: 80.0

Week 7: Assignment 7: -

Week 8 : Assignment 8: -

Week 9: Assignment 9: -

Week 10: Assignment 10: -

Week 11: Assignment 11: -

Week 12 : Assignment 12:

80

:



Week 12: Assignment 12: 70.0

Name: B.kiruthika

Assessment scores

Week 1: Assignment 1: 60.0

Week 2: Assignment 2: 70.0

Week 3: Assignment 3: 60.0

Week 4: Assignment 4: 60.0

Week 5: Assignment 5: 100.0

Week 6: Assignment 6: 80.0

Week 7: Assignment 7: 80.0

Week 8: Assignment 8: 80.0

Week 9: Assignment 9: 60.0

Week 10 : Assignment 10: **70.0**

Week 11: Assignment 11: 50.0

Week 12: Assignment 12: 80.0

Embedded Systems Des...
onlinecourses.nptel.ac.in

K.Ramya

2:20 ...| *40 | YOU

Date enrolled: 2022-02-05

Email: ramyakumar287@gmail.com

Name: K.Ramya

Assessment scores

Week 1 : Assignment 1: 60.0

Week 2 : Assignment 2: 70.0

Week 3: Assignment 3: **60.0**

Week 4 : Assignment 4: **60.0**Week 5 : Assignment 5: **100.0**

Week 6 : Assignment 6: **80.0**

Week 7 : Assignment 7: **80.0**

Week 8 : Assignment 8: 70.0

Week 9: Assignment 9: **80.0**

Week 10 : Assignment 10: 70.0

Week 11: Assignment 11: 50.0

Week 12 : Assignment 12: 90.0

Sarika Anbazhagan

Date enrolled: 2022-02-04

Email: sarikaanbu0205@gmail.com

Name: Sarika Anbazhagan

Assessment scores

Week 1 : Assignment 1: **50.0**Week 2 : Assignment 2: **70.0**

Week 3: Assignment 3: 60.0

Week 4: Assignment 4: 60.0

Week 5: Assignment 5: 100.0

Week 6 : Assignment 6: 80.0

Week 7: Assignment 7: 80.0

Week 8 : Assignment 8: 80.0

Week 9: Assignment 9: 80.0

Week 10 : Assignment 10: **70.0**Week 11 : Assignment 11: **40.0**

Week 12: Assignment 12: -

M.AARTHI

Date enrolled: 2022-02-04

Email: aarthimurugesan12@gmail.com

Name: M.AARTHI

Assessment scores

Week 1 : Assignment 1: -

Week 2 : Assignment 2:

Week 3: Assignment 3: 60.0

Week 4: Assignment 4: 60.0

Week 5: Assignment 5: 100.0

Week 6: Assignment 6: 70.0

Week 7: Assignment 7: 80.0

Week 8 : Assignment 8: 80.0

Week 9 : Assignment 9: -

Week 10: Assignment 10: 70.0

Week 11: Assignment 11: -

Week 12: Assignment 12:



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Embedded Systems Design - Course...

THIRUMURUGAN.S

Date enrolled: 2022-02-04

Email: thirumurugan9152@gmail.com

Name: THIRUMURUGAN.S

09:53 ■ ■ P.ABISHEIK

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Date enrolled: 2022-02-05

Email: abisheik1544423@gmail.com

Name: P.ABISHEIK

Assessment scores

Week 1: Assignment 1: 60.0

Week 2: Assignment 2: 70.0

Week 3: Assignment 3: 60.0

Week 4: Assignment 4: 70.0

Week 5: Assignment 5: 100.0

Week 6 : Assignment 6: 80.0

Week 7: Assignment 7: 80.0

Week 8 : Assignment 8: 80.0

Week 9: Assignment 9: 60.0

Week 10 : Assignment 10:
Week 11 : Assignment 11:

Week 12 : Assignment 12: 60.0

Assessment scores

Week 1 : Assignment 1: -

Week 2 : Assignment 2:

Week 3: Assignment 3:

Week 4: Assignment 4:

Week 5: Assignment 5: 100.0

Week 6: Assignment 6: 80.0

Week 7: Assignment 7: 70.0

Week 8: Assignment 8: -

Week 9: Assignment 9: 70.0

Week 10: Assignment 10: -

Week 11: Assignment 11: -

Week 12: Assignment 12:



Course Progress



Date enrolled: 2022-02-04

Email: mounishrajiah@gmail.com

Name: D Mounish Rajiah

Assessment scores

Week 1 : Assignment 1: -

Week 2: Assignment 2: -

Week 3: Assignment 3: -

Week 4: Assignment 4: 70.0

Week 5: Assignment 5: 100.0

Week 6 : Assignment 6: 80.0

Week 7 : Assignment 7: 80.0

Week 8 : Assignment 8: 80.0

Week 9: Assignment 9: 80.0

Week 10 : Assignment 10: **70.0**Week 11 : Assignment 11: **40.0**

Week 12: Assignment 12: -

ANURAJ R

Date enrolled: 2022-02-04

Email: anurajrajangam@gmail.com

Name: ANURAJ R

Assessment scores

Week 1: Assignment 1: 60.0

Week 2: Assignment 2: 70.0

Week 3 : Assignment 3: 60.0

Week 4: Assignment 4: 60.0

Week 5: Assignment 5: 100.0

Week 6: Assignment 6: 80.0

Week 7 : Assignment 7: -

Week 8 : Assignment 8: 70.0

Week 9 : Assignment 9:

Week 10: Assignment 10: 60.0

Week 11: Assignment 11: -

Week 12: Assignment 12: -

M.keerthika

Date enrolled: 2022-02-04

Email: keerthikamathi1810@gmail.com

Name: M.keerthika

Assessment scores

Week 1: Assignment 1: 60.0

Week 2: Assignment 2: 70.0

Week 3: Assignment 3: 60.0

Week 4: Assignment 4: 60.0

Week 5 : Assignment 5: 100.0

Week 6: Assignment 6: 80.0

Week 7: Assignment 7: -

Week 8: Assignment 8: 80.0

Week 9: Assignment 9: 70.0

Week 10: Assignment 10: 70.0

Week 11: Assignment 11: 30.0

Week 12: Assignment 12: 60.0

B.Ganesh

Date enrolled: 2022-02-04

Email: shiyamganesh167@gmail.com

Name: B.Ganesh

Assessment scores

Week 1: Assignment 1: 60.0

Week 2: Assignment 2: 70.0

Week 3: Assignment 3: 60.0

Week 4: Assignment 4: 60.0

Week 5: Assignment 5: 100.0

Week 6 : Assignment 6: -

Week 7: Assignment 7: 70.0

Week 8: Assignment 8: 80.0

Week 9: Assignment 9: 70.0

Week 10: Assignment 10: 80.0

Week 11 : Assignment 11: -

Week 12: Assignment 12: -

Email: shobigaprabaharan@gmail.com

Name: Shobiga P



G vinothini

Date enrolled: 2022-02-04

Email:

vinothinigovindharaj33@gmail.com

Name: G vinothini

Assessment scores

Week 1: Assignment 1: 40.0

Week 2: Assignment 2: 30.0

Week 3: Assignment 3: 10.0

Week 4: Assignment 4: 60.0

Week 5: Assignment 5: 100.0

Week 6: Assignment 6: 80.0

Week 7 : Assignment 7: 80.0

Week 8: Assignment 8: 80.0

Week 9: Assignment 9: 600

Assessment scores

Week 1: Assignment 1: 60.0

Week 2: Assignment 2: 70.0

Week 3: Assignment 3: 60.0

Week 4: Assignment 4: 70.0

Week 5: Assignment 5: 100.0

Week 6: Assignment 6: 80.0

Week 7: Assignment 7:

Week 8: Assignment 8: 80.0

Week 9: Assignment 9:

Week 10: Assignment 10: 70.0

Week 11: Assignment 11: 40.0

Week 12: Assignment 12:

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T.sheela

Date enrolled: 2022-02-05

Email: sheelat278@gmail.com

Name: T.sheela

P.v.vaishnavi

Date enrolled: 2022-02-04

Assessment scores

Week 1: Assignment 1: 60.0

Week 2: Assignment 2: 70.0

Week 3: Assignment 3: 60.0

Week 4: Assignment 4: -

Week 5: Assignment 5: 100.0

Week 6: Assignment 6: 80.0

Week 7: Assignment 7:

Week 8: Assignment 8: 80.0

Week 9: Assignment 9: 70.0

Week 10: Assignment 10: 70.0

Week 11: Assignment 11: 50.0

Week 12: Assignment 12: 70.0

Email: pv.vaisu1525@gmail.com

Name: P.v.vaishnavi

Assessment scores

Week 1: Assignment 1: 60.0

Week 2: Assignment 2: 70.0

Week 3: Assignment 3: 60.0

Week 4: Assignment 4: 60.0

Week 5: Assignment 5: 100.0

Week 6: Assignment 6: 80.0

Week 7: Assignment 7: 80.0

Week 8: Assignment 8: 80.0

Week 9: Assignment 9: 80.0

Week 10: Assignment 10: 80.0

Week 11: Assignment 11: 60.0

Week 12: Assignment 12:

6:48 ⊕ …

Email: anizaniz007@gmail.com

Name: RK Aniz

Name: G.PRABHU

Assessment scores

Week 1: Assignment 1: 60.0

Week 2: Assignment 2: 70.0

Week 3: Assignment 3: 60.0

Week 4: Assignment 4: 60.0

Week 5: Assignment 5: 100.0

Week 6: Assignment 6: 80.0

Week 7: Assignment 7: 70.0

Week 8 : Assignment 8: -

Week 9: Assignment 9: 60.0

Week 10: Assignment 10: 80.0

Week 11: Assignment 11: 30.0

Week 12: Assignment 12: 60.0

Announcement:

You are currently receiving course related

Assessment scores

Week 1: Assignment 1: 60.0

Week 2: Assignment 2: 70.0

Week 3: Assignment 3: 60.0

Week 4: Assignment 4: 60.0

Week 5: Assignment 5: 100.0

Week 6: Assignment 6: 80.0

Week 7: Assignment 7: 80.0

Week 8: Assignment 8: 80.0

Week 9: Assignment 9: 80.0

Week 10: Assignment 10: 70.0

Week 11: Assignment 11: 40.0

Week 12: Assignment 12: 60.0

3:38 PM

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Email: selvarajdurga813@gmail.com

Name: DURGA DEVI.S

Date enrolled: 2022-02-05

Email: ashaarivu023@gmail.com

Name: A.Aasha

Assessment scores

Week 1 : Assignment 1:

Week 2 : Assignment 2: -

Week 3: Assignment 3: 60.0

Week 4: Assignment 4: 60.0

Week 5: Assignment 5: -

Week 6 : Assignment 6: -

Week 7: Assignment 7: -

Week 8 : Assignment 8:

Week 9 : Assignment 9:

Week 10 : Assignment 10:

Week 11 : Assignment 11:

Week 12 : Assignment 12:

Assessment scores

Week 1: Assignment 1: 60.0

Week 2: Assignment 2: 70.0

Week 3: Assignment 3: 60.0

Week 4 : Assignment 4: 60.0

Week 5 : Assignment 5: -

Week 6 : Assignment 6: 80.0

Week 7: Assignment 7: 60.0

Week 8 : Assignment 8: 70.0

Week 9: Assignment 9: 60.0

Week 10: Assignment 10: 60.0

M.Dhivya kalki Date enrolled: 2022-02-05 Email: kalkimurugaiyankalkimurugaiyan@gmail.com Name: M.Dhivya kalki Assessment scores Week 1 : Assignment 1: 60.0 Week 2 : Assignment 2: 70.0 Week 3: Assignment 3: 60.0 Week 4: Assignment 4: 60.0 Week 5 : Assignment 5: 100.0 Week 6: Assignment 6: 80.0 Week 7 : Assignment 7: -Week 8: Assignment 8: 80.0 Week 9 : Assignment 9: 80.0 Week 10 : Assignment 10: -Week 11 : Assignment 11: -Week 12 : Assignment 12: -

Ananath.ELA

Date enrolled: 2022-02-04

Email: ananthelamaran@gmail.com

Name: Ananath.ELA

Assessment scores

Week 1: Assignment 1: 60.0

Week 2: Assignment 2: 70.0

Week 3: Assignment 3: 60.0

Week 4: Assignment 4: 60.0

Week 5: Assignment 5: 100.0

Week 6: Assignment 6: 80.0

Week 7: Assignment 7: 80.0

Week 8: Assignment 8: 80.0

Week 9: Assignment 9: 30.0

Week 10: Assignment 10: 70.0

Week 11: Assignment 11: -

Week 12: Assignment 12: 50.0







DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING ACADEMIC YEAR 2021-2022 (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 2021-2022 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.

➤ All the 39 students have preferred the course named "Microprocessor and Interfacing" with 12 weeks duration.

Course Start Date: 24th January 2022 and the Course End Date: 15th April 2022.

1. COURSE NAME: MICROPROCESSOR AND INTERFACING

This course was handled by Professor Shaik Rafi Ahamed from Indian Institute of Technology (IIT) Guwahati.

The course starting date was 24th January 2022.

The course ending date was 15th April 2022.

The duration of this course was 12 weeks.

Microprocessors and Interfacing

By Prof. Shaik Rafi Ahamed | IIT Guwahati

Go to course

Learners enrolled: 2676



The Course layout was scheduled as follows.

COURSE LAYOUT

Week 1: 8086 Architecture

- ✓ Microprocessor Operations
- √ 8086 Flags
- ✓ Functional Diagram of 8086

Week 2: 8086 Pins and Signals

- ✓ 8086 Common and Minimum Mode Signals
- ✓ 8086 Maximum Mode Signals
- ✓ 8086 Data Transfer Instructions

Week 3: 8086 Instruction Set I

- ✓ 8086 Arithmetic Instructions
- ✓ 8086 Logical Instructions

Week 4: 8086 Instruction Set II

- √ 8086 Branch and String Instructions
- √ 8086 Interrupt and machine control instructions
- √ 8086 Sum of products, multi- byte addition

Week 5: 8086 Programming I

- ✓ Largest numbers, 2's complement programs
- ✓ Programs on subroutines
- ✓ ROM, RAM

Week 6: Memory Interfacing and Programmable peripheral Interface

✓ Architecture, Interfacing to simple I/O

Week 7& 8: I/O Interfacing Examples

- ✓ Keyboard Interface
- √ 7-segment Display Interface
- ✓ Multiplexed 7-segment Display Interface
- ✓ Stepper motor, Liquid level control
- ✓ Traffic light control, A/D converter
- ✓ D/A converter

Week 9: I/O Interfacing and Timer

- ✓ Electronic Weighing Machine
- ✓ Programmable Interval Timer (8254)
- ✓ Modes of 8254

Week 10: Programmable Interrupt Controller (8259)

- ✓ Architecture of 8259
- ✓ Initialization command words of 8259
- ✓ Operational command words of 8259

Week 11: Programmable DMA Controller (8237), Serial I/O

- √ 8237 Architecture, interfacing and programming
- ✓ Basic concepts of serial I/O

Week 12: Programmable Communication Interface (8251)

- ✓ Architecture of 8251
- ✓ Control and status word formats of 8251
- √ 8251 Interfacing Example

In this course, nearly 12 assessments were given. These assessments scores were considered for the final exam.

CRITERIA TO GET A CERTIFICATE

Average assignment score = 25% of average of best 8 assignments out of the total 12 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 >= 10/25 and exam score >= 30/75. if one of the 2 criteria is not met, you will not get the certificate even if the final score >= 40/100.

Outcome:

- ✓ After the completion of this course, the students have the basic knowledge about the 8086 microprocessor architecture, instruction set and I/O interfacing.
- ✓ They can able to do simple programs on microprocessor and microcontroller.
- ✓ All the 39 students have successfully completed the course.
- ✓ Progress of each student was attached.

IQAC Member

HOD/ECE

J- 188121 2022

Kings College of Engineering

PUNALKULAM - 613 303.

MICROPROCESSOR AND INTERFACING COURSE PROGRESS

Date enrolled: 2022-02-04

Email: mahibaby1310@gmail.com

Name: V.Maheswari

Assessment scores

Week 1: Assignment 1: 100.0

Week 2: Assignment 2: 80.0

Week 3: Assignment 3: 90.0

Week 4: Assignment 4: 100.0

Week 5: Assignment 5: 100.0

Week-6: Assignment-6: 100.0

Week 7: Assignment-7: 88.0

Week 8: Assignment 8: 75.0

Week 9: Assignment-9: 100.0

Week-10: Assignment-10: 100.0

Week 11: Assignment 11: 100.0

Week 12: Assignment 12: 100.0

Email: renukaece275@gmail.com

K. Renuka.

Name: K. Renuka.

Date enrolled: 2022-02-05



Date enrolled: 2022-02-07

Email: nithithanithi@gmail.com

Assessment scores

Week 1: Assignment 1: 88.0

Week 2: Assignment 2: 80.0

Week 3: Assignment 3: 100.0

Week 4: Assignment 4: 100.0

Week 5: Assignment 5: 100.0

Week-6: Assignment-6:

Week 7: Assignment-7: 88.0

Week 8: Assignment 8: -

Week 9: Assignment-9: 100.0

Week-10: Assignment-10: 100.0

Week 11: Assignment 11: 100.0

Week 12: Assignment 12: 100.0



Name P.kabishena

kabishena1@gmail Email

.com

Date Enrolled 2022-02-04

Your Assessment scores

Week 1: Assignment 1

Week 2: 80 Assignment 2

Week 3: 100 Assignment 3

Week 4: 100 Assignment 4 Week 5 100 Assignment 5

Week-6: 62 Assignment-6

Week 7: RR Assignment-7

Week 8: 75 Assignment 8

Week 9: 100 Assignment-9

Week-10: 100 Assignment-10

Week 11: 100 Assignment 11

Week 12 : Assignment 12

100

100

U. Nithitha

Name: U. Nithitha

Assessment scores

Week 1: Assignment 1: 100.0

Week 2: Assignment 2: 80.0

Week 3: Assignment 3: 100.0

Week 4: Assignment 4: 100.0

Week 5: Assignment 5: 88.0

Week-6: Assignment-6: 100.0

Week 7: Assignment-7: 50.0

Week 8: Assignment 8: 75.0

Week 9: Assignment-9: 100.0

Week-10: Assignment-10: 100.0

Week 11: Assignment 11: 100.0

Week 12: Assignment 12: 75.0

L. Ganga

Date enrolled: 2022-02-04

Email: gangapapukuty2002@gmail.com

Name: L. Ganga

Assessment scores

Week 1: Assignment 1: 100.0

Week 2: Assignment 2: 80.0

Week 3: Assignment 3: 100.0

Week 4: Assignment 4: 100.0

Week 5: Assignment 5: 100.0

Week-6: Assignment-6: 88.0

Week 7: Assignment-7: 88.0

Week 8: Assignment 8: 75.0

Week 9: Assignment-9: 100.0

Week-10: Assignment-10: 100.0

Week 11: Assignment 11: 100.0

Week 12: Assignment 12: 100.0



G.vaishnavi

Date enrolled: 2022-02-04

Email: vvaishnavi589@gmail.com

Name: G.vaishnavi

Assessment scores

Week 1: Assignment 1: 100.0

Week 2: Assignment 2: 80.0

Week 3: Assignment 3: 100.0

Week 4: Assignment 4: 100.0

Week 5: Assignment 5: 100.0

Week-6: Assignment-6: 100.0

Week 7: Assignment-7: 88.0

Week 8: Assignment 8: 75.0

Week 9 : Assignment-9:

Week-10: Assignment-10: 100.0

Week 11: Assignment 11: 100.0

Week 12: Assignment 12: 100.0



100

R. Soundharya

Date enrolled: 2022-02-04

Email: soundaryaece2019@gmail.com

Name: R. Soundharya

Assessment scores

Week 1: Assignment 1: 100.0

Week 2: Assignment 2: 80.0

Week 3: Assignment 3: 100.0

Week 4: Assignment 4: 88.0

Week 5: Assignment 5: 88.0

Week-6: Assignment-6: 100.0

Week 7: Assignment-7: 88.0

Week 8: Assignment 8: 75.0

Week 9: Assignment-9: 100.0 Week-10: Assignment-10: 100.0

Week 11: Assignment 11: 100.0

Week 12: Assignment 12: 100.0

Name Dharshini.C

dharshinicec Email e02@gmail.com

Date Enrolled 2022-02-04

Your Assessment scores

Week 12:

Assignment 12

Week 1: Assignment 1	100
Week 2: Assignment 2	80
Week 3: Assignment 3	100
Week 4: Assignment 4	100
Week 5: Assignment 5	100
Week-6: Assignment-6	100
Week 7 : Assignment-7	88
Week 8: Assignment 8	75
Week 9 : Assignment-9	100
Week-10: Assignment-10	100
Week 11: Assignment 11	100

Name S.kirubadharshini

kirubasekar4 Email 33@gmail.com

Date Enrolled 2022-02-05

Your Assessment scores

Week 1: Assignment 1	100
Week 2: Assignment 2	80
Week 3: Assignment 3	100
Week 4: Assignment 4	100
Week 5: Assignment 5	100
Week-6: Assignment-6	100
Week 7 : Assignment-7	75
Week 8: Assignment 8	75
Week 9 : Assignment-9	100
Week-10: Assignment-10	100
Week 11: Assignment 11	100
Week 12 : Assignment 12	88

B. Shathana

Date enrolled: 2022-02-05

Email: sathana160102@gmail.com

Name: B. Shathana

Assessment scores

Week 1: Assignment 1: 100.0

Week 2: Assignment 2: 80.0

Week 3: Assignment 3: 100.0

Week 4: Assignment 4: 88.0

Week 5: Assignment 5: 100.0

Week-6: Assignment-6: 100.0

Week 7: Assignment-7: 88.0

Week 8: Assignment 8: 75.0

Week 9: Assignment-9: 100.0

Week-10: Assignment-10: 100.0

Week 11: Assignment 11: 100.0

Week 12: Assignment 12: 100.0

K.saraswathi

Date enrolled: 2022-02-05

Email: kdsaras005@gmail.com

Name: K.saraswathi

Assessment scores

Week 1: Assignment 1: 100.0

Week 2: Assignment 2: 80.0

Week 3: Assignment 3: 100.0

Week 4: Assignment 4: 100.0

Week 5: Assignment 5: 100.0

Week-6: Assignment-6: -

Week 7 : Assignment-7: -

Week 8: Assignment 8: 75.0

Week 9: Assignment-9: 88.0

Week-10: Assignment-10: 100.0

Week 11: Assignment 11: 100.0

Week 12: Assignment 12: 75.0

Name SM.Swethaa

swethaa149 Email 2001@gmail.com

Date Enrolled 2022-02-04

Your Assessment scores

Week 1: Assignment 100

Week 2: Assignment 80

Week 3: Assignment 100

100

75

100

100

100

100

Week 4: Assignment Week 5: Assignment

100 Week-6: 100

Assignment-6 Week 7:

Week 8: Assignment

Week 9: Assignment-9

Week-10:

Assignment-10

Assignment-7

Week 11: Assignment 11

Week 12:

Assignment 12

Name Madhumitha

Email madhumithagovin tharasu@gmail.com

Date Enrolled 2022-02-05

Your Assessment scores

Week 9 : Assignment-9

Week-10:

Week 11: Assignment 11

Week 12:

Assignment-10

Assignment 12

Week 1: Assignment 1	100	
Week 2: Assignment 2	80	
Week 3: Assignment 3	90	
Week 4: Assignment 4	100	
Week 5: Assignment 5	100	
Week-6: Assignment-6	100	
Week 7 : Assignment-7	88	
Week 8: Assignment 8	75	

100

100

Name	SATHYA G
Email	chuttiponnus athya@gmail.com
Date Enrolled	2022-02-05
Your Assessment	scores
Week 1: Assignment 1	100
Week 2: Assignment 2	80
Week 3: Assignment 3	100
Week 4: Assignment 4	100
Week 5: Assignment 5	100
Week-6: Assignment-6	100
Week 7 : Assignment-7	88
Week 8: Assignment 8	75
Week 9 : Assignment-9	100
Week-10: Assignment-10	100
Week 11: Assignment 11	100
Week 12 : Assignment 12	100

S. RAMANA BHARATHI

Date enrolled: 2022-02-04

&mail: ramanabharathi1511@gmail.com

Name: S. RAMANA BHARATHI

Assessment scores

Week 1: Assignment 1: 100.0

Week 2: Assignment 2: 80.0

Week 3: Assignment 3: 400.0

Week 4: Assignment 4: 100.0

Week 5: Assignment 5: -

Week-6: Assignment-6: 400.0

Week 7: Assignment-7: -

Week 8: Assignment 8: -

Week 9: Assignment-9: 400.0

Week-10: Assignment-10: 100.0

Week 11: Assignment 11: 100.0

Week 12: Assignment 12: -



Name: PAVITHRA.P

Assessment scores

Week 1: Assignment 1: 100.0

Week 2: Assignment 2: 80.0

Week 3: Assignment 3: 100.0

Week 4: Assignment 4: 100.0

Week 5: Assignment 5: 100.0

Week-6: Assignment-6: 100.0

Week 7: Assignment-7: -

Week 8: Assignment 8: 75.0

Week 9: Assignment-9: -

Week-10: Assignment-10: 100.0

Week 11: Assignment 11: -

Week 12: Assignment 12:

K.priyanka

Date enrolled: 2022-02-04

Email: vanipriya835@gmail.com

Name: K.priyanka

Assessment scores

Week I: Assignment I: 88.0

Week 2: Assignment 2: 80.0

Week 3: Assignment 3: 100.0

Week 4: Assignment 4: 100.0

Week 5: Assignment 5: 100.0

Week-6: Assignment-6: 100.0

Week 7: Assignment-7: -

Week 8: Assignment 8: 75.0

Week 9: Assignment-9: 100.0

Week-10: Assignment-10: 100.0

Week II: Assignment II: -

Week 12: Assignment 12: 88.0



Email: gayathriviga2065@gmail.com

Name: K.Gayathri

Assessment scores

Week 1: Assignment 1: 100.0

Week 2: Assignment 2: 80.0

Week 3: Assignment 3: 100.0

Week 4: Assignment 4: 100.0

Week 5: Assignment 5: 100.0

Week-6: Assignment-6: 100.0

Week 7: Assignment-7: 88.0

Week 8: Assignment 8: 75.0

Week 9 : Assignment-9: 100.0

Week-10: Assignment-10: 100.0

Week 11: Assignment 11: 100.0

Week 12: Assignment 12: 100.0



S.Nivethitha

Date enrolled: 2022-02-04

Email: nivethithas02@gmail.com

Name: S.Nivethitha

Assessment scores

Week 1: Assignment 1: 88.0

Week 2: Assignment 2: 80.0

Week 3: Assignment 3: 100.0

Week 4: Assignment 4: 100.0

Week 5: Assignment 5: 100.0

Week-6: Assignment-6: 100.0

Week 7 : Assignment-7: 88.0

Week 8: Assignment 8: 75.0

Week 9 : Assignment-9: 100.0

Week-10: Assignment-10: 100.0

Week 11: Assignment 11: 100.0

Week 12 : Assignment 12: 100.0

Email:

ishwaryaishwarya952@gmail.com

Name: K.Ishwarya

Assessment scores

Week 1: Assignment 1: 100.0

Week 2: Assignment 2: 80.0

Week 3: Assignment 3: 100.0

Week 4: Assignment 4: 100.0

Week 5: Assignment 5: 100.0

Week-6: Assignment-6: 100.0

Week 7: Assignment-7: 88.0

Week 8: Assignment 8: 75.0

Week 9: Assignment-9: 100.0

Week-10: Assignment-10: 100.0

Week 11: Assignment 11: 100.0

Week 12: Assignment 12: 88.0



Name Suriya

Email suriyacsuriy

ac7@gmail.com

Date Enrolled 2022-02-05

Your Assessment scores

Week 1: 100 Assignment 1

Week 2: 80 Assignment 2

Week 3: 100 Assignment 3

Week 4: 88 Assignment 4

Week 5: 100 Assignment 5

Week-6:

Assignment-6
Week 7:
Assignment-7

Week 8: Assignment 8

Week 9 : 100 Assignment-9

Week-10: Assignment-10

Week 11: Assignment 11

Week 12 : Assignment 12





NPTEL - Microprocessors and Interfacing

□ Course Progres

Mathivanan

Date enrolled: 2022-02-05

Email: 63850mathi@gmail.com

Name: Mathivanan

Assessment scores

Week 1: Assignment 1: 100.0

Week 2: Assignment 2: 80.0

Week 3: Assignment 3: -

Week 4: Assignment 4: -

Week 5: Assignment 5: 100.0

Week-6: Assignment-6: -

Week 7 : Assignment-7: -

Week 8: Assignment 8: 75.0

Week 9: Assignment-9: 100.0

Week-10: Assignment-10: 100.0

Week 11: Assignment 11: 100.0

Week 12 : Assignment 12: 100.0

Name R.Ganga

Email gangaganga6 079@gmail.com

Date Enrolled 2022-02-05

Your Assessment scores

Week 1: Assignment 1

Week 2: Assignment 2

Week 3: 100

Assignment 3

Week 4: _ _ Assignment 4

Week 5: Assignment 5

Week-6: Assignment-6

Week 7: Assignment-7

Week 8: Assignment 8

Week 9:

Assignment-9
Week-10: 100

Assignment-10
Week 11:

Assignment 11 100

Week 12: Assignment 12

swayam

suisidev436/8gmail.com ~

NPTEL + Microprocessors and Interfacing

Course Progress

Susikumar.T.

Date emplied 2022-02-05

Email: subidey/956@gmail.com

Name: Suskumor.T

Assessment scores

Week 1- Assignment 1: 100.0

Week 2: Assignment 2: 80.0

Week 3: Assignment 3: 100.0

Week 4: Assignment 4: 100.0

Week 5 Assignment 5: 88.0

Week-6: Assignment-6: 100.0

Week 7: Assignment-7: 80.0

Week 8: Assignment 8: 75.0

Week 9. (Assignment-9) 100.0

Week-10: Assignment-10:

Date enrolled: 2022-02-04

Email: jothikar462002@gmail.com

Name: R.Jothika

Assessment scores

Week 1: Assignment 1: 100.0

Week 2: Assignment 2: 80.0

Week 3: Assignment 3: 100.0

Week 4: Assignment 4: 100.0

Week 5: Assignment 5: 100.0

Week-6: Assignment-6: -

Week 7: Assignment-7: 88.0

Week 8: Assignment 8: 75.0

Week 9: Assignment-9: 100.0

Week-10: Assignment-10: 100.0

Week 11: Assignment 11: 100.0

Week 12: Assignment 12: 100.0



SPSEE * Microprocessers and Interfacing Course Progress Jayakumar.A Date enrolled: 2022-02-04 Email: jerryjayakumar2000@gmail.com Name:Jayakumar.A Assessment scores Week & Assignment t 100.0 Week 2 Assignment 2: 80.0 Week 3: Assignment 3: 90.0 Week 4 Assignment 4 Week 5: Assignment 5: 100.0 Week-6: Assignment-6: -Week 7 : Assignment-7: -Week 8: Assignment 8: 75.0 Week 9 : Assignment-9: 100.0 Week-10: Assignment-10: 100.0 Week II: Assignment II 100.0

Name P. Logeshwaran

Faran Waranlogesh

Email 928@gmail.com

Date Envalled 2022-02-04

Your Assessment scores

Week t. 75 Assignment I Week €: 80 Assignment 2 Week 3: 100 Assignment 3 Week 4: 100 Assignment 4 Week 5: 100 Assignment 5 Week-6: Assignment-6 Week 7: 88 Assignment-7 Week 8: 75 Assignment 8 Week 9: Assignment-9 Week-IO: 88 Assignment-10 Week II: 100 Assignment II Week I∂: 100 Assignment I∂



Mathivanan

Date enrolled: 2022-02-05

Email: 63850mathi@gmail.com

Week 12 : Resignment 12: 1000

Name: Mathiyanan

Assessment scores

Week 1: Assignment 1: 100.0

Week 2: Assignment 2: 80.0

Week 3: Assignment 3: -

Week 4: Assignment 4: -

Week 5: Assignment 5: 100.0

Week-6: Assignment-6:

Week 7 : Assignment-7:

Week 8: Assignment 8: 75.0

Week 9: Assignment-9: 100.0

Week-10: Assignment-10: 100.0

Week 11: Assignment 11: 100.0

Week 12: Assignment 12: 100.0

NPTEL - Microprocessors and Interfacing

 \equiv

Coarse Propress

J.Blesson Manuel

Date enrolled: 2022-02-05

Emait gladscomanuel24@email.com

Name J. Blesson Manuel

Assessment scores

Week t Assignment t. 100.0

Week 2: Assignment 2: 80.0

Week R Assignment R 100.0

Week & Assignment & 100.0

Week & Assignment & 100.0

Week-6: Assignment-6: 100.0

Week 7: Assignment 7: 88.0

Week & Assignment & 75.0

Week 9: Assignment 9: 100.0

Week-10: Assignment-10: 100.0

Week II: Assignment II: 100.0

Week 12: Assignment 12 88.0

NPTEL » Microprocessors and Interfacing

Course Progress

A.Prakash

Date enrolled: 2022-02-04

Email: prakashanbuvelan002@gmail.com

Name: A.Prakash

Assessment scores

Week 1: Assignment 1: 100.0

Week 2: Assignment 2: 80.0

Week 3: Assignment 3: 100.0

Week 4: Assignment 4: 100.0

Week 5: Assignment 5: 100.0

Week-6: Assignment-6: 100.0

Week 7: Assignment-7: 88.0

Week 8: Assignment 8: 75.0

Week 9: Assignment-9: 100.0

Week-10: Assignment-10: 100.0

Week 11: Assignment 11: 100.0

Week 12: Assignment 12: 100.0



Course outline

How does an NPTEL

online course work?

Week 0 : Prerequisite

Week 2: 8086 Pins and

Week 3: 5085 Instruction

Week 4: 8086 Instruction

Week 5 : Programming I

Programmable Peripheral Interface

Week 7: I/O Interfacing

Week 8: I/O Interfacing

Week 9: I/O Interfacing

Week 10: Programmable

Interrupt Controller (8259)

and Timer

Week 6 : Memory Interfacing and

Week 1 : 8086 Architecture

Set II

IPTEL . Microprocessors and Interfacing

Announcements

Abimaneu

Date enrolled: 2022-02-04

Email: yashabi74@gmail.com

Name: Abimaneu

Assessment scores

Week 1: Assignment 1: 88.0

Week 2: Assignment 2: 80.0

Week 3: Assignment 3: 100.0

Week 4: Assignment 4: 100.0

Week 5: Assignment 5: 100.0

Week-6: Assignment-6: 100.0

Week 7 : Assignment-7: 88.0

Week 8: Assignment 8: 75.0

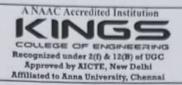
Week 9 : Assignment-9: 100.0

Week-10: Assignment-10: 100.0

Week 11: Assignment 11: 88.0

Week 12 : Assignment 12: 100.0







DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ADD ON PROGRAMS/ CERTIFICATE COURSE DURING THE ACADEMIC YEAR

Academic Year 2021-22

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

S. No.	· COURSE TITLE	
1.	EVA002-VAC- Advances In Solar Energy Technologies	
2.	MHRD sponsored IIT Bombay certification course on Spoken Tutorial on eSim	
3.	MHRD sponsored IIT Bombay certification course on Spoken Tutorial on GIMP	
4.	MHRD sponsored IIT Bombay certification course on Inkscape	
5.	MHRD sponsored IIT Bombay certification course on Inkscape	
6.	MHRD sponsored IIT Bombay certification course on LaTex	
7.	Swayam course on "Fundamentals of Electronic Device Fabrication"	

FACULTY IN-CHARGE

HOD/EEE OS 12

AALBERT MARTIN RUBAN, ME, Ph.D. Head of the Department
Department of Electrical and Electronics Engineering,
Kings College of Engineering,
Punelkulem,
Pudukkollai - 513 303,

J. 106/5/2022

PRINCIPAL

PRINCIPAL Inns College of Engineer

Kings College of Engineering PUNALKULAM - 613 303.

SYLLABUS

EVA002

ADVANCES IN SOLAR ENERGY TECHNOLOGIES

L T P C 2 0 0 2

UNIT I

ADVANCES IN SOLAR PV MATERIALS

6

Semiconductor Materials and Modelling - Crystalline silicon solar cells - Thin film technologies - Space and concentrator cells - Organic and dye sensitized cells - Evaluating a Site for Solar PV Potential.

UNIT II

MPPT CRITERIA FOR PV SYSTEMS

6

Testing, Monitoring and Calibration - Photovoltaic System Components - Maximum Power Point Tracking Algorithms - Different MPPT techniques - Implementation of MPPT using a boost converter.

UNIT III .

STAND ALONE PV SYSTEM

6

Solar modules – storage systems – power conditioning and regulation - MPPT- protection – Stand-alone PV systems design – sizing.

UNIT IV

GRID CONNECTED PV SYSTEMS

6

PV systems in buildings – design issues for central power stations – safety – Economic aspect – Efficiency and performance - International PV programs.

UNIT V MODELLING AND SIMULATION OF PV SYSTEMS USING MATLAB 6

Introduction to Systems - Systems Modeling - Formulation of State Space Model of Systems - Model Order Reduction - Interpretive Structural Modeling - System Dynamics Techniques - Simulation.

TOTAL: 30 PERIODS

Mr.J.Arokiaraj Faculty in-charge

HOD/ EEE

Principal



by AICTE, New Delhi, Affili



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

COURSE PLAN

Sub. Code : EVA002

Branch / Year / Sem : B.E EEE / III /V

Sub. Name

: Advances In Solar Energy Technologies

Batch: 2019-2023

Staff Name : Mr.J.Arokiaraj

Academic Year: 2021 - 22 (ODD)

COURSE OBJECTIVE

- 1. To get an overview of different types of photovoltaic semiconductor devices and their characteristics.
- 2. To analyze the operation and performance parameters MPPT criteria for PV systems.
- 3. To study the operation techniques and basics topologies standalone operation of PV system.
- 4. To learn the different techniques of grid connected PV system.
- 5. To study the modelling and simulation of PV systems using MATLAB.

TEXT BOOKS

- T1. Solar Cells: Materials, Manufacture and Operation, Tom Markvart University of Southampton, UK and Luis Castafier Universidad Politecnica de Catalunya, Barcelona, Spain, First edition 2005 Reprinted 2005, 2006, Elsevier Ltd.
- T2. Study of maximum power point tracking (MPPT) techniques in a solar photovoltaic array, Arjav Harjai, Abhishek Bhardwaj, Mrutyunjaya Sandhibigraha, nit, Rourkela.
- T3. Solanki C.S., "Solar Photovoltaics: Fundamentals, Technologies And Applications", PHI Learning Pvt. Ltd., 2015.
- T4. Modeling and Simulation of Systems Using MATLAB and Simulink, Devendra K. Chaturvedi, CRC Press, 2010 by Taylor and Francis Group, LLC.

REFERENCE BOOKS

- R1. "Power Electronics for Renewable Energy Systems". C.R.Bala Murugan, D.Periyaazhagar. N.Suresh, Sruthi Publishers, Jan - 2017.
- R2. "Solar Photovoltaic Technology and systems", Chetan Singh Solanki, PHI Publications. 2017.

WEB RESOURCES

W1. http://www.energy.wsu.edu/Documents/SolarPVforBuildersOct2009.pdf (Topic No. 06)

W2. https://pdfs.semanticscholar.org/1db7/435215cb2d9895bc29e0358a9b23300988f5.pdf

(Topic No. 12)

W3.https://www.sciencedirect.com/science/article/pii/S0960148105002831 (Topic No. 22)

W4. http://www.os.ucg.ac.me//MS_kn.pdf

(Topic No. 27)

Topic No	Topic	Books for Reference	Page No.	Teaching Methodology	No. of Hours Required	Cumulative No. of periods			
UNIT I	ADVANCES IN SOLAR PV MATERIALS								
1.	Semiconductor Materials and Modelling	T1	30-52	ВВ	1	(6) 1			
2.	Crystalline silicon solar cells.	T1	72-86	ВВ	1	2			
3.	Thin film technologies.	T1	218-337	PPT	1				
4.	Space and concentrator cells.		354-388	LLI	1	3			
5.	Organic and dye sensitized cells.	and dye sensitized T1 354-388 393-442		ВВ	2	5			
6.	Evaluating a Site for Solar PV Potential.	W1	-	PPT	1	6			

LEARNING OUTCOME

At the end of unit, students should be able to

- Describe the basic materials of PV cells.
- Understand the concepts of PV Power Generation semiconductor devices.

UNIT II	TESTING, CALIBRAT	TESTING, CALIBRATION AND MPPT CRITERIA FOR PV SYSTEMS (6)							
7.	Testing.				1012.10	(0)			
8.	Monitoring and Calibration.	T1	452-497	PPT	2	8			
9.	Photovoltaic System	mo.	17-25	ВВ	1				
	Components.	T2				9			
10.	Maximum Power Point								
10.	Tracking Algorithms.	T2	25 -29	25 -29 BB	2	11			
11.	Different MPPT techniques.			ВВ	L	11			
12.	Implementation of MPPT								
12.	using a boost converter.	W2	-	BB	1	12			

LEARNING OUTCOME

At the end of unit, students should be able to

- Study and analyze the Solar Photovoltaic System Components.
- To develop the different maximum power point tracking algorithms. To implement the various techniques of MPPT.

UNIT II	I	STAND ALONE PV SYSTEM							
13.	Solar modules.	Т3	352- 370	PPT	1	13			
14.	Storage systems.	R2	120- 142	ВВ	1	14			
15.	Power conditioning and regulation.	R1	3.28- 3.47	BB	1	15			
16.	Protection.	R1	3.13- 3.14	ВВ	1	16			
17.	Stand-alone PV systems design.	Т3	420- 423	Sem	1	17			
18.	Sizing.	Т3	437- 440	ВВ	1 .	18			

LEARNING OUTCOME

At the end of unit, students should be able to

- Study and analyze the Solar Modules and Storage systems. Getting detailed operating for Standalone PV systems and Sizing.

UNIT IV	GRID	GRID CONNECTED PV SYSTEMS						
Topic No	Topic	Books for Reference	Page No.	Teaching Methodology	No. of Hours Required	Cumulative No. of periods		
19.	PV systems in buildings.	T1	446- 450	ВВ	1	19		
20.	Design issues for central power stations.	R1	4.28- 4.36	BB	1	20		
21.	Safety.	T1	299- 300	BB	1 .	21		
22.	Economic aspect.	W3	-	PPT	1	22		
23.	Efficiency and performance.	T1	173- 177	ВВ	1	23		
24.	International PV programs.	R1	5.31- 5.32	ВВ	1	24		

LEARNING OUTCOME

At the end of unit, students should be able to

- Study the Design issues for central power stations.
- Understand the Economic aspect, Efficiency and performance.

UNIT V	MODELLING AND SIM	STEMS USIN	MS USING MATLAB			
25.	Introduction to Systems.	T.4	1.00			
26.	Systems Modeling.	T4	1-98	BB	1	25
27.	27. Formulation of State Space Model of Systems.		-	PPT	1	26
28.	Model Order Reduction.	T4	219-263	BB	1	27
29.	Interpretive Structural		300-325	ВВ	1	28
30.	System Dynamics Techniques	T4	327-344	BB	1	29
31.	Simulation.	T4	401-420	PPT	1	30

LEARNING OUTCOME

At the end of unit, students should be able to

- Understand the Impact of Simulation.
- Analyze of the techniques used for simulation tools.

COURSE OUTCOME

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

- Use different materials used for photovoltaic cells manufacturing.
- Understand the principles and operation techniques used for MMPT.
- Analyze and design standalone operation of PV power generation.
- Describe the various grid connecting techniques for PV system.
- Understand the simulation tools used for photovoltaic power generation.

INTERNAL ASSESSMENT DETAILS

ASST. NO.	I	II
Topic Nos.	1 - 14	15-31
Date		

Prepared by

VA-ASET.5

Mr.J.Arokiarai

Verified by

HOD/EEE

Approved by

Principal







DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ACADEMIC YEAR 2021-2022 / ODD SEMESTER

TIME TABLE for VALUE ADDED COURSES

III EEE

Class Strength: 9

Ses sio n	1	2	11.30a.m	3	12.45p.m	4	5
Day	9.30 a.m - 10.30 a.m	10.30 a.m - 11.30 a.m	11.45a.m	11.45 a.m - 12.45 p.m	1.30p.m	1.30 p.m - 2.30 p.m	2.30p.m - 3.30p.m
SAT	EVA002	EVA002	BREAK	EVA002	LUNCH	-	-

SUB. CODE	NAME OF THE SUBJECT	NAME OF THE STAFF	DEPT.	PERIODS/WEEK
EVA002	Advances in solar energy technologies	Mr. J. Arokiaraj	EEE	3

DEPT. VACC

HEAD OF THE DEPARTMENT

PRINCIPAL







DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING Acadamic year 2021-22 Odd Sem VALUE ADDED COURSE DETAILS

SUBJECT: EVA002 - ADVANCES IN SOLAR ENERGY TECHNOLOGIES SEMESTER - V / III - Year EEE

COURSE CREDIT DETAIL

L	T	P	С
2	0	0	2

STUDENTS DETAILS

Roll No. Register Number		Name of the Students
1.	821119105001	S.BHARANITHARAN
. 2.	821119105002	M.E.KRISHNA
3.	821119105003	P.PANDIDEVI
4.	821119105004	R.PURUSOTHAMAN
5.	821119105005	V.RAGUL
6.	821119105006	R.REGINA
7.	821119105008	B.YUGESHWARAN
8.	821119105301	A.SARATHKUMAR
9.	821119105501	K.VETRIVEL

COMMITTEE MEMBERS

COURSE IN CHARGES	Mr. J. AROKIARAJ	AP/EEE
SENIOR FACULTY MEMBER	Mr. R. SUNDARAMOORTHI	AP/EEE
HEAD OF THE DEPARTMENT	Dr. A. ALBERT MARTIN RUBAN	Asso. Prof/EEE
PRINCIPAL	Dr. J. ARPUTHA VIJAYA SELVI	Professor

Head of the Department

J. 19/9/2021

Principal







DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING TIME TABLE (AUGUST-NOVEMBER2021, ODD SEM) B.E - EEE (Regulation 2017)-With Effect from 4-12021

Batch: 2018-2022

Year: IV

Semester: VII

Class Room: 134

Block: I

Session	1	2		3		4	5
Day	Day 9.30 a.m - 10.30 a.m - 11.30 a.m	11.30a.m - 11.45a.m	11.45 a.m - 12.45 p.m	12.45p.m- 1.30p.m	1.30 p.m - 2.30 p.m	2.30p.m - 4.00p.m	
MON	EE8701	EE8702		EE8701	BREAK	T&P(S.S)	T&P(S.S)
TUE	EE8703	EE8010		T&P(APT)		EE8701	GE8071
WED	OCS752	EE8702	AK	EE8703		GE8071	OCS752
THU	GE8071	OCS752	BREAK	T&P(APT)		EE8701	EE8711
FRI	EE8010	GE8071		EE8703	LUNCH	OCS752	EE8712
SAT	NPTEL	GATE		EE8703		EE8010	EE8702

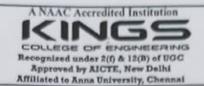
SUB. CODE	NAME OF THE SUBJECT	CATEOGRY	CREDITS	NAME OF THE STAFF	DEPT	PERIODS/WEEK
	TUTORIAL (T), OPE	N ELECTIVE	(OE), PRO	FESSIONAL ELECTIVE (PE)		
EE8701	High Voltage Engineering	PC	3	Ms.C.Senthamilarasi	EEE	4
EE8702	Power System Operation and Control	PC	3	Dr.P.Narasimman	EEE	3
EE8703	Renewable Energy Systems	PC	3	Dr.A.Albert Martin Ruban	EEE	4
OCS752	Introduction to C Programming	OE	3	Mrs.R.SuganthaLakshmi	CSE	4
GE8071	Disaster Management	PE	3	Mr.B.Sureshbabu	T&P	4
EE8010	Power Systems Transients	PE	3	Mrs.P.Thirumagal	EEE	3
EE8711	Power system stimulation	PC	2	Dr.P.Narasimman	EEE	1
EE8712	Renewable Energy system	PC	2	Mr.J.Arokiaraj	EEE	1
}			VAI			
1/41(S.S)	T&P(Softskill)			Dr.K.Sudhakar	T&P	2
AI(APT)	T&P(Aptitute)			Ms.P.Suganya	T&P	2
VAYAM/NPT EL/GATE	=			Dr.P.Narasimman	EEE	2

CLASS CO-ORDINATOR	NAME OF THE REPRESENTATIVES	ROLL NO.
Mrs.P.Thirumagal	Ms.N.Premalatha	15
CLASS COMMITTEE CHAIR PERSON	Mr.R.Sundaramoorthi	
C. Benthamilaran	A Allowania 21	J. Mr. 04/10/201

C. Benthamolaran DEPT. TTC

PRINCIPAL







DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING ACADEMIC YEAR 2021-22

EVALUATION SHEET

Year/Sem: IV/VII

Batch: 2018-2022

Name of the course: Swayam course on "Fundamentals of Electronic Device Fabrication"

Roll	Desister N	N 61 61 1	Assignment Score					
No	Register No	Name of the Student	0	1	2	3	4	
1.	821118105001	ABIRAMI U	95	100	80	100	90	
2.	821118105002	AKESH SATHIYA A	100	90	100	70	100	
3.	821118105003	BAVANA K	70	100	80	100	100	
4.	821118105005	CHANDRAKUMAR S	100	100	90	100	85	
5.	821118105006	CHANDRAPRIYA S	100	80	100	100	95	
6.	821118105009	JAGADESHWARAN S	100	70	100	90	100	
7.	821118105010	JAYAPRAKASH R	100	95	100	75	100	
8.	821118105011	KARTHIKEYAN K	100	75	90	95	100	
9.	821118105013	KAVIYA M	100	100	70	100	90	
10.	821118105015	MOHAMEDHALITH S	100	70	95	90	100	
11.	821118105017	PRIYADHARSHINI S	100	95	100	80	100	
12.	821118105019	SANTHOSH G (11.10.2001)	100	100	75	100	90	
13.	821118105020	SANTHOSH G (15.09.2001)	100	100	90	100	85	
14.	821118105023	VASANTH K	90	100	80	100	100	
15.	821118105301	PREMALATHA.N	95	80	85	100	100	

R. Norman

Faculty In-Charge

HOD/EEE HOD/EEE

Head of the Department
Department of Electrical and Electronics Engineering
Kings College of Engineering







DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING TIME TABLE AUGUST-NOVEMBER2021, ODD SEM) B.E - EEE (Regulation 2017)-With Effect from 0440 .2021

Batch: 2019-2023

Year: III

Semester: V

Class Room: 133

Block: I

Session	1	2 3			4	5	
Day	9.30 a.m - 10.30 a.m	10.30 a.m - 11.30 a.m	11.30a.m - 11.45a.m	11.45 a.m - 12.45 p.m	12.45p.m- 1.30p.m	1.30 p.m - 2.30 p.m	2.30p.m - 4.00p.m
MON	EE8551	EE8591		EE8501		EE8552	T&P(APT)
TUE	EE8552	CS8392		EE8551	¥	EE8591	HS8581
WED	EE8591	EE8552	ΑK	OMD551	BREAK	EE8501	EE8551
THU	CS8392	OMD551	BREAK	EE8501		CS8383	EE8511
FRI	CS8392	EE8501		EE8591	LUNCH	OMD551	EE8552
SAT	NPTEL	GATE	-	T&P(S)	-	EE8591	OMD551

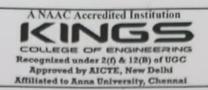
SUB. CODE	NAME OF	THE SUBJECT	CATEGORY	CREDITS	NAME OF THE STAFF	DEDT	PERIODS/WEEK
		TUTO	RIAL (T), OPE			DEFI	PERIODS/WEEK
EE8501	Power System	Analysis	PC	3	Dr.R.Arulraj	EEE	
EE8551	Microprocesso Microcontrolle		PC	3	Dr.M.Meenalochani	EEE	3
EE8552	Power Electron	Power Electronics		3	Mr.S.R.Karthikeyan	EEE	4
EE8591		Digital Signal Processing		3(T)	Mr.S.Sivakumar	ECE	5
CS8392	Object Oriented Programming		ES	3	Mr.M.Arun	CSE	3
OMD551	20	Basics of Biomedical Instrumentation		3	Mr.R.Sundaramoorthi	EEE	4
EE8511	Control & Instr laboratory	umentation	PC	2	Mr.R.Sundaramoorthi	EEE	1
CS8383	OOPS laborator	ту	ES	2	Mr.M.Arun	CSE	1
HS8581	Professional Co	mmunication	EEC	2	Mr.Radhakrishnan	English	1
			VAI			Cugusu	1
VA	I(S.S)	T&P(Softskill)			Dr.K.Sudhakar	T&P	1
	(APT)	T&P(Aptitute)			Ms.P.Suganya	T&P	1
SWAYAM/	NPTEL/GATE				Dr.P.Narasimman	EEE	2

CLASS CO-ORDINATOR	NAME OF THE REPRESENTATIVES	ROLL NO.
Mr.S.R.Karthikeyan	Ms.N.Regina	5
CLASS COMMITTEE CHAIR PERSON	Dr.P.Narasimman	

C. Senthamilarasi DEPT. TTC

Logicol 20 M PRINCIPAL







DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING ACADEMIC YEAR 2021-22

EVALUATION SHEET

Year/Sem: III/V Batch: 2019-2023
Name of the course: Swayam course on "Fundamentals of Electronic Device Fabrication"

Roll	n			Assig	nmen	Score	9
No	Register No	Name of the Student	0	1	2	3	4
1.	821119105001	BHARANITHARAN.S	70	90	100	100	85
2.	821119105002	KRISHNA M. E	90	85	95	100	100
3.	821119105003	PANDIDEVI.P	100	80	90	100	75
4.	821119105004	PURUSOTHAMAN.R	80	100	85	95	90
5.	821119105005	RAGUL.V	85	100	75	100	95
6.	821119105006	REGINA.R	90	100	95	100	90
7.	821119105008	YUGESHWARAN.B	95	90	100	85	100
8.	821119105301	SARATHKUMAR.A	80	100	75	100	95
9.	821119105501	VETRIVEL.K	75	100	75	90	100

Faculty In-Charge

HOD/EEE

STAALBERT MARTIN RUBAN, M.E., Ph.D.,
Head of the Department
Department of Electrical and Electronics Engineeria

Punalkulam, Pudukkottai - 613 303







DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING TIME TABLE (AUGUST-NOVEMBER2021, ODDSEM) B.E - EEE (Regulation 2017)-With Effect from 04.10.2021

Batch:2020-2024

Year: II

Semester: III

Class Room: 132

Block: I

Session	1	2		3		4	5
Day	9.30 a.m - 10.30 a.m			11.45a.m - 12.45p.m	12.45p.m- 1.30p.m	1.30p.m - 2.30p.m	2.30p.m- 4.00p.m
MON	EE8351	EC8353		EE8391		MA8353	EE8301
TUE	MA8353	EE8351		EC8353	1 🗻 [ME8792	T&P(APT)
WED	EE8391	EE8351	AK	ME8792	BREAK	MA8353	(EE8311/ EC8311)
THU	EE8391	EE8301	BREAK	MA8353		EC8353	ME8792
FRI	EE8301	ME8792		EE8351	LUNCH	(EE8311/ EC8311)	EC8353
SAT	NPTEL	GATE	1	MA8353	1	T&P(S.S)	EE8351

SUB. CODE	NAME OF THE SUBJECT	CATEGORY	CREDITS	NAME OF THE STAFF	DEPT	PERIODS/WEEK
	TUTO	RIAL (T), EL	ECTIVE (E)		
MA8353	Transforms and PartialDifferential Equations	BS	4	Mrs.T.Gnanajeya	MATHS	5
EE8351	Digital Logic Circuits	PC	3(T)	Mrs.D.Vennila	ECE	5
EE8391	Electromagnetic Theory	PC	3(T)	Mrs.P.Thirumagal	EEE	3
EE8301	Electrical Machines - I	PC	3(T)	Ms.C.Senthamilarasi	EEE	3
EC8353	Electron Devices and Circuits	PC	3	Mr.R.Thandayuthapan		4
ME8792	Power Plant Engineering	PC 3		Mr.J.Arokiaraj	EEE	4
EC8311	Electronics laboratory	ES	2	Mrs.P.Thirumagal	EEE	-1
EE8311	Electrical Machines-I laboratory	PC	2	Mr.S.R.Karthikeyan/ Ms.C.Senthamilarasi	EEE	1
		VAI				
VAI(S.S)	T&P(Softskill)			Dr.K.Sudhakar	T&P	1
VAI(APT)	T&P(Aptitute)			Ms.P.Suganya	T&P	1
SWAYAM/NPTEL/GATE				Dr.P.Narasimman	EEE	2

CLASS CO-ORDINATOR	NAME OF THE REPRESENTATIVE	ROLL NO.
Mr.J.Arokiaraj	D.Akilan	KOLLINO.
CLASS COMMITTEE CHAIR PERSON	Dr.M.Meenalochani	4

C. Genthamilaran. DEPT. TTC

المعر إمالهم

PRINCIPAL



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING ACADEMIC YEAR 2021-22

EVALUATION SHEET

Year/Sem: II/III Batch: 2020-2024
Name of the course: Swayam course on "Fundamentals of Electronic Device Fabrication"

Roll	Register No	Name of the Student		Assig	-	Score	
No		Traine of the Student	0	1	2	3	4
1.	821120105001	ABINAYASREE J	90	95	100	85	100
2.	821120105002	ABISHEK S	90	100	75	100	95
3.	821120105003	AKASH M	100	90	95	100	80
4.	821120105004	AKILAN D	100	95	85	100	80
5.	821120105005	ARAVINDH A	100	85	100	95	75
6.	821120105006	DHANASREE R	85	100	95	100	80
7.	821120105007	ELANANGAI G	100	75	100	90	70
8.	821120105008	GUSHENRA PRASATH P	75	80	90	100	90
9.	821120105009	JANANI S	100	90	75	90	95
10.	821120105010	JENISH A	100	90	85	95	90
11.	821120105011	KANIMOZHI R	90	100	95	85	100
12.	821120105012	MANOJ M	95	80	100	80	100
13.	821120105013	MANOJ R	80	100	80	95	100
14.	821120105014	MUKESH K	100	80	100	90	95
15.	821120105015	MUKESH M	95	90	85	100	100
16.	821120105016	MUKESH V	85	75	100	100	95
17.	821120105017	PRABATH C L	80	85	75	90	95
18.	821120105018	PRIYADHARSHINI P	70	80	90	95	100
19.	821120105019	PŘIYADHARSHINI S	75	90	85	100	100
20.	821120105020	RADHAKRISHNAN R	90	80	95	100	75

A Minmo 29/01/22

AALBERT MARTIN RUBAN ME PAN

Proad of the Uspariment

Department of Electrical and Electronics Engineer
Kings College of Engineers

21.	821120105021	RAMACHANDRAN P	75	85	90	100	95
22.	821120105022	ROHITH R	75	100	80	85	100
23.	821120105023	SALMAN HUSSAIN Z	85	100	90	100	85
24.	821120105024	SATHISH S	80	100	85	100	90
25.	821120105025	SEMILI K	95	100	75	100	100
26.	821120105026	SIVARANJANI D	100	100	95	85	90
27.	821120105027	SNEHA P	100	90	75	100	100
28.	821120105028	SOWMIYA K	100	90	85	95	100
29.	821120105029	SOWMIYA L	90	95	75	100	100
30.	821120105030	SUDHARSAN S	85	75	100	90	95
31.	821120105031	VIJAYARAGAVAN R	100	85	90	100	95
32.	821120105032	VIJI J	100	75	85	100	85
33.	821120105033	VIKASH M	85	100	90	80	100
34.	821120105035	VISALAN M	75	100	80	85	100
35.	821120105036	VISHWA D	85	100	85	100	95
36.	821120105037	YÖGARAJ P	100	90	100	95	75
37.	821120105303	MANI BHARATHI S	75	100	80	95	100
38.	821120105307	VELMURUGAN K	85	100	80	75	100
39.	821120105302	KABILAN A	95	80	100	80	85
40.	821120105301	AJITHKUMAR R	80	100	95	100	90
41.	821120105304	PRAVEEN KUMAR C	80	95	85	90	100
42.	821120105305	RAGHUL KRISHNAN	100	95	75	90	100
43.	821120105306	SIVAMURUGAN.G	75	100	80	100	95
			_				

Faculty In-Charge

29|61|2 HOD / EEE

SAALBERT MARTIN RUBAN, ME.Ph.D. Head of the Department Department of Electrical and Electronics Engineering Kings College of Engineering.







DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING ACADEMIC YEAR 2021 – 2022 ASSIGNMENT SAMPLES

Name of the Course: Fundamentals of Electronic Device Fabrication



NPTEL » Fundamentals of electronic device fabrication Announcements

About the C NPTE

NPTEL » Fundamentals of electronic device fabrication

Announcements

About the C



MANOJ R Date enrolled: 2021-06-04

Email: manojr210103@gmail.com

Name: MANOJ. R

Assessment scores

Assignment 0: 80.0

Week 1: Practice Assignment 1: 100.0

Week 1: Assignment 1: 80.0

Week 2: Assignment 2: 100.0

Week 3: Assignment 3: 95.0

Week 4: Assignment 4: 100.0

Course outline

How does an NPTEL online course work?

Week 0

Week 1: Device fabrication overview

Week 2: Fab operations

Week 3: Fab operations

(continued)

Week 4: IC formation

VIDEO DOWNLOAD

ARAVINDH A

Date enrolled: 2021-06-04

Email: aravindhbe2002@gmail.com

Name: ARAVINDH A

Assessment scores

Assignment 0: 100.0

Week 1: Practice Assignment 1: 100.0

Week 1: Assignment 1: 85.0

Week 2: Assignment 2: 100.0

Week 3: Assignment 3: 95.0

Week 4: Assignment 4: 75.0





NPTEL » Fundamentals of electronic device fabrication Announcements About the C

Total sens. oran se

Course outline

overview

(continued)

How does an NPTEL

online course work?

Week 1: Device fabrication

Week 2: Fab operations

Week 3: Fab operations

Week 4: IC formation

VIDEO DOWNLOAD

Text Transcripts

(*)

NPTEL » Fundamentals of electronic device fabrication

Announcements

About the C



VIDEO DOWNLOAD

Text Transcripts

PANDIDEVI P

Date enrolled: 2021-06-04

Email: devisri07kalam@gmail.com

Name: Pandidevi. P

Assessment scores

Assignment 0: 100.0

Week 1: Practice Assignment 1: 100.0

Week 1: Assignment 1: 80.0

Week 2: Assignment 2: 90.0

Week 3: Assignment 3: 100.0

Week 4: Assignment 4: 75.0

RAGUL V

Date enrolled: 2021-06-04

Email: ragulveeraa@gmail.com

Name: Ragul. V

Assessment scores

Assignment 0: 85.0

Week 1: Practice Assignment 1: 100.0

Week 1: Assignment 1: 100.0

Week 2: Assignment 2: 75.0

Week 3: Assignment 3: 100.0

Week 4: Assignment 4: 95.0



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING REPORT ON SWAYAM COURSE

Fundamentals of Electronic Device Fabrication

BENEFICIARIES: IV/III/II YEARS

COURSE OUTCOME

- > To introduce students about the overview of semiconductor device fabrication.
- > After successfully completing this short course, students will have an idea about fabrication operation, fabrication processes, IC logic and packaging.
- > They will know about process evaluation, etching and growth in fabrication.
- > They will know how to design a class room and process yielding.

YEAR/SEM: II/III

BATCH: 2020-24

Class Strength: 43

S. No.	Register 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.	821120105009	JANANI S	Registered	Assignment Completed	Completed
10.	821120105010	JENISH A	Registered	Assignment Completed	Completed
11.	821120105011	KANIMOZHI R	Registered	Assignment Completed	Completed
12.	821120105012	MANOJ M	Registered	Assignment Completed	Completed
13.	821120105013	MANOJ R	Registered	Assignment Completed	Completed
14.	821120105014	MUKESH K	Registered	Assignment Completed	Completed
15.	821120105015	MUKESH M	Registered	Assignment Completed	Completed
16.	821120105016	MUKESH V	Registered Assignment Completed		Completed
17.	821120105017	PRABATH C L	Registered	Accionment	
18.	821120105018	PRIYADHARSHINI P	Registered	Assignment Completed	Completed

Gegarinant of Electrical and Electronics Engineering.
Kings College of Engineering.

Punalkulam, Pudukkottai - 613 303

19.	821120105019	PRIYADHARSHINI S	Registered	Assignment Completed	Completed
20.	821120105020	RADHAKRISHNAN R	Registered	Assignment Completed	Completed
21.	821120105021	RAMACHANDRAN P	Registered	Assignment Completed	Completed
22.	821120105022	ROHITH R	Registered	Assignment Completed	Completed
23.	821120105023	SALMAN HUSSAIN Z	Registered	Assignment Completed	Completed
24.	821120105024	SATHISH S	Registered	Assignment Completed	Completed
25.	821120105025	SEMILI K	Registered	Assignment Completed	Completed
26.	821120105026	SIVARANJANI D	Registered	Assignment Completed	Completed
27.	821120105027	SNEHA P	Registered	Assignment Completed	Completed
28.	821120105028	SOWMIYA K	Registered	Assignment Completed	Completed
29.	821120105029	SOWMIYA L	Registered	Assignment Completed	Completed
30.	821120105030	SUDHARSAN S	Registered	Assignment Completed	Completed
31.	821120105031	VIJAYARAGAVAN R	Registered	Assignment Completed	Completed
32.	821120105032	VIJI J	Registered	Assignment Completed	Completed
33.	821120105033	VIKASH M	Registered	Assignment Completed	Completed
34.	821120105035	VISALAN M	Registered	Assignment Completed	Completed
35.	821120105036	VISHWA D	Registered	Assignment Completed	Completed
36.	821120105037	YOGARAJ P	Registered	Assignment Completed	Completed
37.	821120105303	MANI BHARATHI S	Registered	Assignment Completed	Completed
38.	821120105307	VELMURUGAN K	Registered	Assignment Completed	Completed
39.	821120105302	KABILAN A	Registered	Assignment Completed	Completed
40.	821120105301	AJITHKUMAR R	Registered	Assignment Completed	Completed
41.	821120105304	PRAVEEN KUMAR C	Registered	Assignment Completed	Completed
42.	821120105305	RAGHUL KRISHNAN	Registered	Assignment Completed	Completed
43.	821120105306	SIVAMURUGAN.G :	Registered	Assignment Completed	Completed

YEAR SEM: III/V

BATCH: 2019-23

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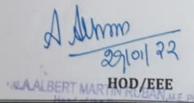
	- DITTOIN ZO	1723	Glass	strength: 09
Register No.	Student Name	Swayam Course	Status	Course Completed
821119105001	BHARANITHARAN.S	Registered	Assignment Completed	Completed
821119105002	KRISHNA M.E	Registered	Assignment Completed	Completed
		Maria Car	- 0	Allhome 22
	821119105001	821119105001 BHARANITHARAN.S 821119105002 KRISHNA M.E	821119105001 BHARANITHARAN.S Registered	Register No. Student Name Swayam Course Status 821119105001 BHARANITHARAN.S Registered Assignment Completed 821119105002 KRISHNA M.E Registered Assignment Completed

aparlment of Electrical and Executionics Engineering Kings College of Engineering, Punatkulam, Pudukkottai - 613 303

3.	821119105003	PANDIDEVLP	Registered	Assignment Completed	Completed
4.	821119105004	PURUSOTHAMAN.R	Registered	Assignment Completed	Completed
5.	821119105005	RAGULV	Registered	Assignment Completed	Completed
6.	821119105006	REGINAR	Registered	Assignment Completed	Completed
7.	821119105008	YUGESHWARAN.B	Registered	Assignment Completed	Completed
8.	821119105301	SARATHKUMAR.A	Registered	Assignment Completed	Completed
9.	821119105501	VETRIVELK	Registered	Assignment Completed	Completed

YEAR SEM: IV/VII BATCH: 2018-22 Class Strength: 15

I EUL O	EM: IV/VII	BATCH: 2018-22 Class 5tr		otrength. 15	
S. No.	Register No.	Student Name	Swayam Course	Status	Course Completed
1.	821118105001	ABIRAMI U	Registered	Assignment Completed	Completed
2.	821118105002	AKESH SATHIYA A	Registered	Assignment Completed	Completed
3.	821118105003	BAVANA K	Registered	Assignment Completed	Completed
4.	821118105005	CHANDRAKUMAR S	Registered	Assignment Completed	Completed
5.	821118105006	CHANDRAPRIYA S	Registered	Assignment Completed	Completed
6.	821118105009	JAGADESHWARAN S	Registered	Assignment Completed	Completed
7.	821118105010	JAYAPRAKASH R	Registered	Assignment Completed	Completed
8.	821118105011	KARTHIKEYAN K	Registered	Assignment Completed	Completed
9.	821118105013	KAVIYA M	Registered	Assignment Completed	Completed
10.	821118105015	MOHAMEDHALITH S	Registered	Assignment Completed	Completed
11.	821118105017	PRIYADHARSHINI S	Registered	Assignment Completed	Completed
12.	821118105019	SANTHOSH G (11.10.2001)	Registered	Assignment Completed	Completed
13.	821118105020	SANTHOSH G (15.09.2001)	Registered	Assignment Completed	Completed
14.	821118105023	VASANTH K	Registered	Assignment Completed	Completed
15.	821118105301	PREMALATHA.N	Registered	Assignment Completed	Completed



Department of Mechanical Engineering



DEPARTMENT OF MECHANICAL ENGINEERING

ADD ON PROGRAMS / CERTIFICATION COURSE DURING THE YEAR ACADEMIC YEAR 2021-22

S.No	Name of the Program	<u>Du</u> ration	Beneficiaries
		2 (ODD)	
1.	Value Added Course on "Energy Resources and Management"	30 Hours	46
2.	GATE/Competitive Exam Coaching	30 Hours	46
3.	MHRD sponsored IIT Bombay certification course on "LaTEX Technical Writing"– IV Yr	30 Hours	50
4.	MHRD sponsored IIT Bombay certification course on "OPEN FOAM"- III Yr	30 Hours	35
5.	MHRD sponsored IIT Bombay certification course on "SCI LAB"– II Yr	30 Hours	60
	2021-22	(EVEN)	
6.	GATE/Competitive Exam Coaching	30 Hours	46
7.	MHRD sponsored IIT Bombay certification course on "Blender"– IV Yr	30 Hours	50
8.	MHRD sponsored IIT Bombay certification course on "Blender"– III Yr	30 Hours	35
9.	MHRD sponsored IIT Bombay certification course on "GIMP"– II Yr	30 Hours	60

HOD/MECH
Dr. T. PUSHPARAJ, ME., Ph.L.,
Prof. & Head-Mechanical Engineering,
Kings College of Engineering,
Punalkulam-613 303



Dr. J. Arputha Vijaya Selvi, M.E., Ph.D.,

PRINCIPAL

Ref: KCE / PRL /VAC/133/19-20

22.06.2019

To
The Director
Center for Academic Courses
Anna University, Chennai

Respected Sir,

Sub: Requisition for approving the Value Added Course on Energy Resources and Management for the batch of 2017 - 2021 -reg

As per the AU Regulation 2017, the Mechanical department of our college has planned to conduct the Value Added Course with 2 credits on the topic of **Energy Resources** and Management for the batch 2017 -2021 having the strength of 70 students. Herewith the syllabus and course plan are enclosed. We request you to kindly approve organizing the course and its syllabus. With your consent, we will organize the course during the current academic session 2019 - 2020 Odd Semesters)

Thanking You

2. Courter.

Yours faithfully

Dr. J. Arputha Vijaya Selvi,

PHINCIPAL

cas College of Engineering

- ...alkulam- 613 303

Encl:

i) Syllabus

ii) Course Plan

iii) Time Table



Copy to

The Controller of Examinations, Anna University, Chennai – 600 025.



Punalkulam, Gandarvakottai Taluk, Pudukkottai District - 613 303, Ph: 04362-282474, 282395. 282396. Fax: 04362-282494.

SYLLABUS

MAV 010

ENERGY RESOURCES AND MANAGEMENT

LTPC

2002

UNIT I FOSSIL FUEL ENERGY

6

Coal, Oil, Natural gas, Nuclear power and Hydro - environmental impact of fossil fuels - Energy scenario in India - Growth of energy sector and its planning in India.

UNIT II SOLAR & WIND ENERGY- ALTERNATE SOURCE

6

Solar thermal applications - heating, cooling, desalination, drying, cooking, etc. - solar thermal electric power plant - types of solar cells - Photovoltaic applications - Nature of the wind - factors influencing wind - wind data and energy estimation - wind resource assessment systems.

UNIT III BIO-ENERGY 6

Biomass resources and their classification - Biomass conversion processes - direct combustion - biomass gasification - pyrolysis and liquefaction - biochemical conversion - anaerobic digestion - types of biogas Plant - applications - Urban waste to energy conversion.

UNIT IV OTHER TYPES OF ENERGY

6

Ocean energy resources - ocean thermal power plant - ocean wave energy conversion - small hydro - geothermal energy - geothermal power plant - Fuel cell – principle of working - various types - construction and applications.

UNIT V ENERGY CONVERSION & MANAGEMENT

6

Photovoltaic conversion of solar energy - Thermo chemical conversion - ocean thermal energy conversion (OTEC) - tidal energy conversion – Industrial management.

TOTAL: 30 PERIODS

SIGNATURE OF STAFF INCHARGE

HOD/MECH

I. Bulmy







DEPARTMENT OF MECHANICAL ENGINEERING

Value Added Course

MVA010 ENERGY RESOURCES

AND

MANAGEMENT

YEAR/SEMESTER: III/V

PREPARED BY

M.Melwin J Sridhar / AP, Mech

VA-ER.1 KCE/MECH/CP/III/ER

MVA010 ENERGY RESOURCES AND MANAGEMENT L T P C 2 0 0 2

UNIT I FOSSIL FUEL ENERGY

6

Coal, Oil, Natural gas, Nuclear power and Hydro - environmental impact of fossil fuels - Energy scenario in India - Growth of energy sector and its planning in India.

UNIT II SOLAR & WIND ENERGY- ALTERNATE SOURCE

6

Solar thermal applications - heating, cooling, desalination, drying, cooking, etc – solar thermal electric power plant - types of solar cells - Photovoltaic applications - Nature of the wind – factors influencing wind – wind data and energy estimation - wind resource assessment systems.

UNIT III BIO-ENERGY 6

Biomass resources and their classification - Biomass conversion processes - direct combustion - biomass gasification - pyrolysis and liquefaction - biochemical conversion - anaerobic digestion - types of biogas Plant - applications - Urban waste to energy conversion.

UNIT IV OTHER TYPES OF ENERGY

6

Ocean energy resources - ocean thermal power plant - ocean wave energy conversion - small hydro - geothermal energy - geothermal power plant - Fuel cell – principle of working - various types - construction and applications.

UNIT V ENERGY CONVERSION & MANAGEMENT

6

Photovoltaic conversion of solar energy - Thermo chemical conversion - ocean thermal energy conversion (OTEC) - tidal energy conversion - Industrial management.

TOTAL: 30 PERIODS

SIGNATURE OF STAFF INCHARGE

tracel ortonter

HOD/MECH

VA-ER.2 KCE/MECH/CP/III/ER







DEPARTMENT OF MECHANICAL ENGINEERING COURSE PLAN

Sub. Code : MVA010 Branch / Year / Sem: B.E. Mech /III/V

Sub. Name: Energy Resources and Management

Batch : 2019-2023

Staff Name : M.Melwin J Sridhar Academic Year : 2021-22 (ODD)

COURSE OBJECTIVE

❖ To explain concept of various forms of Non-renewable and renewable energy.

- To outline division aspects and utilization of renewable energy sources for both domestics and industrial applications
- To study the environmental and cost economics of using renewable energy sources compared to fossil fuels.

.REFERENCE BOOKS

- **R1.** B H Khan "Non-Conventional Energy Resources", Third Edition, Tata McGraw-Hill, 2007
- **R2.** P K Nag, "Power plant Engineering", McGraw Hill Education, 2014.

WEB RESOURCES

W1 .	https://prezi.com/7fugbh0ndsub/nuclear-energy-vs-hydro-er	nergy (Topic No 02)
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W2. www.eolss.net/sample-chapters/c09/e4-23-02.pdf (**Topic No 05**)

W3. https://www.slideshare.net/vanitathakka/solar-radiation-measurement(**Topic No09**)

W4. https://cleanenergyaction.files.wordpress.com-ppt (Topic No 12)

W5. www.csun.edu/~psk17793/ES9CP/ES9%20factors affecting wind.htm(Topic No 17)

W6. https://www.boem.gov/Offshore-Wind-Energy (**Topic No 21**)

W7. https://www.slideshare.net/aslam55/biomass-conversion-technologies(Topic No 26)

W8. www.teriin.org/technology/biomass-gasifier (Topic No 27)

W9. www.alternative-energy-tutorials.com > Tidal Energy (**Topic No 36**)

W10. https://energy.gov/eere/geothermal/how-geothermal-power-plant-works-Simple (Topic No 37)

VA-ER.3 KCE/MECH/CP/III/ER

Topic No	Topic	Books for Reference	Page No.	Teaching Methodology	No. of Hours Required	Cumulative No. of periods
1	UNIT I FOSSIL FUEL ENER	RGY				(6)
1	Coal, Oil, Natural gas	R2	155-160	BB	1	1
2	Nuclear power and Hydro power	R2,W1	578-620	ВВ	1	2
3	Environmental impact of fossil fuels	R1, W2	9-14	ВВ	1	3
4	Energy scenario in India	R1	17-22	ВВ	1	4
5	Growth of energy sector and its planning in India.	R1	23-24	BB	2	6

LEARNING OUTCOME

At the end of unit, students should be able to

- Analyze the resources of energy.
- Understand the energy consumption pattern.
- Identify the growth of energy sector.

U	UNIT II SOLAR& WIND ENERGY - ALTERNATE SOURCE							
6	Solar thermal applications	R1	91-110	ВВ	1	7		
7	Solar thermal electric power plant	R1, W4	113-116	ВВ,РРТ	1	8		
8	Photovoltaic applications	R1	117-122	ВВ	1	9		
9	Nature of the wind, power in the wind	R1	156-160	BB	1	10		
10	Factors influencing wind, wind data and energy estimation	R1, W5	155-156	BB	1	11		
11	Wind resource assessment	R1	157-166	BB PPT	1	12		

LEARNING OUTCOME

At the end of unit, students should be able to

- Analyze the solar radiation & wind resource
- Understand the concept of photovoltaic applications.
- Understands the solar and wind assessment.

UNIT III BIO - ENERGY (6)									
12	Biomass resources and their classification	R1	197-204	BB PPT	1	13			
13	Direct combustion – biomass gasification	R1, W8	208-210	ВВ	1	14			

VA-ER.4 KCE/MECH/CP/III/ER

14	Pyrolysis and liquefaction	R1	212-215	ВВ	2	16
15	Types of biogas Plant - applications	R1	221-223	ВВ	1	17
16	Urban waste to energy conversion.	R1	206-230	ВВ	1	18

LEARNING OUTCOME

At the end of unit, students should be able to

- Understand the concept of Bio power.
- Knowledge about biomass gasification.
- Knowledge about biogas plant & waste conversion.

	UNIT IV OTHER TYPES OF ENERGY						
17	Ocean energy resources - ocean thermal plant	R1	270-274	BB	2	20	
18	Geothermal Energy & Geothermal power plant	R1,W10	232-244	BB, PPT	2	22	
19	Fuel cell – principle of working	R1	277-292	BB, PPT	1	23	
20	Various types - construction and applications	R1	293-302	BB, PPT	1	24	

LEARNING OUTCOME

At the end of unit, students should be able to

- Understand the principle of ocean thermal energy conversion
- Knowledge about the geo thermal power plant
- Analyze the constructions of fuel cell

	UNIT V ENERGY CONVERS	IVERSION & MANAGEMENT (6						
21	Photovoltaic conversion of solar energy	R1	117-122	BB	1	25		
22	Thermo chemical conversion	R1, W4	117-118	ВВ,РРТ	1	26		
23	Biomass conversion processes	R1, W7	204-205	BB, PPT	1	27		
24	Biochemical conversion	R1	216-220	BB	1	28		
25	ocean thermal energy conversion (OTEC)	R1	260-270	BB	1	29		
26	Tidal energy conversion, Industrial Management	R1, W9	250-254 -	BB, PPT	1	30		

LEARNING OUTCOME

At the end of unit, students should be able to

- Understand the various conversion of energy resources
- Understands the need of energy management.

VA-ER.5 KCE/MECH/CP/III/ER

COURSE OUTCOME

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

- Understand the commercial energy and renewable energy sources.
- Knowledge about the working principle of various energy systems.
- Apply the knowledge on solar energy collectors.
- Understand the sources of Bio- energy.
- Compare different types of non renewable energy resources.

CONTENT BEYOND THE SYLLABUS

- 1. Nuclear energy.
- 2. Hydraulic energy

INTERNAL ASSESSMENT DETAILS

TEST NO.	I	II
Topic Nos.	1-11	12-20
Date		

(MA) and onless

Prepared by **M.Melwin J Sridhar, AP/Mech**

Verified By **HOD/Mechanical**

Approved by **PRINCIPAL**

VA-ER.6 KCE/MECH/CP/III/ER



A NAAC Accredited Institution

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



CERT ISO 9001

DEPARTMENT OF MECHANICAL ENGINEERING TIME TABLE (AUG2021 - NOV 2021, ODD SEM)

B.E - MECH (Regulation 2017) - With Effect from 04.10.21

Batch: 2019-2023

Strength: 43

Year: III

Semester: V

Class room: 202

Block: II

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Session	1	2	11.30 am - 11.45 am	3	12.45 pm -	4	5
DAY	9.30 am - 10.30 am	10.30 am - 11.30 am	22110 tim	11.45 am - 12.45 pm	1.30 pm	1.30 pm - 2.30 pm	2.30 pm - 4.00 pm
MON	ME8594	OAT552		ME8593		ME8501	T&P(A)
TUE	ME8595	ME8594		ME8593	AK	ME8513	ME8511
WED	OAT552	ME8501	AK	ME8595	BREAK	ME8594	ME8593
THU	ME8594	OAT552	BREAK	ME8501		ME8593	ME8512
FRI	ME8595	ME8501		ME8593	LUNCH	ME8594	OAT552
SAT	VAC	ME8595		T&P (SS)	-	GATE	NPTEL

SUB CODE	NAME OF THE SUBJECT	CATEGORY	CREDITS	NAME OF THE STAFF	DEPT	PERIODS/WEEK
		TUTORIAL (T), ELECTIVE	E (E)		
ME8595	Thermal Engineering II	PC	3	Mr.R.Rajadurai	МЕСН	4
ME8593	Design of Machine Elements	PC	3	Mr.M.Sakthivel	MECH	5
ME8501	Metrology & Measurements	PC	3	Mr.R.Shankar	MECH	4
ME8594	Dynamics of Machines	PC	4	Mr.M.Melwin J Sridhar	MECH	5
OAT552	Internal Combustion Engines	OE	3	Dr.PP.Shantharaman	MECH	
		PRAC	TICAL (P)	2111 Tionantharaman	MECH	4
ME8511	Kinematics & Dynamics Laboratory	PC	2	Mr.S.Nelson Raja	МЕСН	1
E8512	Thermal Engineering Laboratory	PC	2	Mr.R.Rajadurai	MECH	1
ME8513	Metrology and Measurements Laboratory	PC	2	Mr.M.Sakthivel	MECH	1
		ALUE ADDED	INITIATIVES	(VAI)		
GATE	GATE coaching hour	VAI	-	Mr.S.Nelson raja	MEGU	
NPTEL	SWAYAM/NPTEL online classes	VAI	-	Mr.M.Melwin J Sridhar	MECH	1
T&P(A)	Training and Placement (Aptitude)	VAI	-	Ms.P.Suganya	MECH T&P	1
T&P(SS)	Training and Placement (Soft Skills)	VAI		Dr.K.Sudhakar	Т&Р	1
VAC	Value Added Course	VAI	-	Mr.M.Melwin J Sridhar	MECH	1

CLASS CO-ORDINATOR	NAME OF THE REPRESENTATIVES	
Mr.M.Melwin J Sridhar	R.Veeramani	ROLL NO
CLASS COMMITTEE CHAIR PERSON		38
CLASS COMMITTEE CHAIR PERSON	Mr.M.Aswin	

DEPT. TTC

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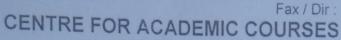
PRINCIPAL

AFFILIATED INSTITUTIONS FACULTY OF MECHANICAL ENGINEERING LIST OF VALUE ADDED COURSES

		THE TOTAL OF THE PARTY OF THE P	
SL. NO.	CODE	TITLE	CREDITS
1.	MVA001	Small Unmanned Aerial Vehicle (sUAV) - Drone	2 credit ×
2.	MVA002	3D Printing	2 credit
3.	MVA003	Elements of Automation and Process Control	
4.	MVA004	Geometric Dimensioning and Tolerancing	1 credit
5.	MVA005	Smart Materials and Structures	2 credit
6.	MVA006	Green Energy Technologies and Management	2 credit
7.	MVA007	Automation Suite for Smart Systems	2 credit
8.	MVA008	Internet of Things Applications in Mechanical Engineering	1 credit
9.	MVA009	Surface Coating Technology	2 credit
10.	MVA010	Energy Resources and Management	2 0 0 2
11.	IVIVAUTT	Modeling for Design Engineers	2 0 0 2
12.	MVA012	Basic Concept of HVAC Designing and Drafting	
13.	MVA013	Robotics Process Automation	2 0 0 2
14.	MVA014	Welding and Inspection Techniques	2002
15.	MVA015	Modern Trends in Refrigeration and Air Conditioning	2002
16.	MVA016	Finite Element Meshing Techniques	2002
17.	MVA017	Nanoscience and Technology	2002
18.	MVA018		2002
19.		Plant Design Management System Technology for Engree State	2002
20.		Technology for Energy Storage	2002
	WIVAUZU	Modeling Practice for Automotive Assemblies	2002
21.		Modeling and Machining Practice for CNC Machines	2002

DIRECTOR (CAC)





ANNA UNIVERSITY CHENNAI - 600 025

Dr. R. RAJU
DIRECTOR
Letter No:2813/AU/VA/CAC/2019

To
The Controller of Examinations
Anna University
Chennai - 25.



01.07.2019

CHENNAI-600 00

Off: 22357077 / 73

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22352272

Sir.

Sub: A.U. - CAC - Affiliated Institutions - Value Added Course - Reg. Ref: Letter No.KCE/PRL/VAC/133/19-20 dated:20.06.2019

With reference to the letter cited, the following Value Added Course offered by Kings College of Engineering, Pudukkottai District, Affiliated Institutions is allotted the course code as detailed below.

SL.No	Code Allotted	Title								
1.	MVA010	Energy Resources and Management								

This is for your kind information and necessary action at your end.

Yours faithfully

DIRECTOR

Copy to:

1 The Chairperson, Faculty of Mechanical Engineering, A.U., Ch -25.

2 The Principal, Kings College of Engineering, Punalkulam, Gandarvakottai Taluk, Pudukkottai District – 613 303.

3. The Stock File - CAC.







Department of Mechanical Engineering

Academic Year 2021-22 (ODD)

Action plan for GATE Coaching

Name of the Course : GATE Coaching

Batch

: 2019-2023

Year/Sem

: III/V

Duration

: 30 Hours

Staff Incharge

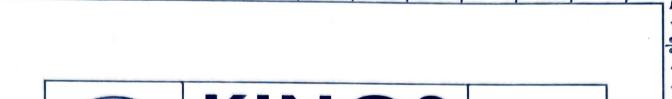
: Mr. S.Sabanayagam

Plan of Action

S. No	Topics	Hours Planned	Cumulative Hours
1	Introduction to GATE, Eligibility and Preparation	. 2	2
2	Introduction to syllabus, syllabus and question pattern	2	4
3	Engineering Thermodynamics- Question Discussion	2	6
4	Design of Machine Elements- Question Discussion	2	8
5	Heat Transfer- Question Discussion	2	10
6	Mass Transfer- Question Discussion	2	12
7	Mock Test-1	2	14
8	Gas Dynamics- Question Discussion	2	16
9	Fluid Mechanics- Question Discussion	2	18
10	Strength of Materials- Question Discussion	2	20
11	Design of Transmission Systems- Question Discussion	2	22
12	Process Planning- Question Discussion	2	24
13	Thermal Engineering- Question Discussion	2	26
14	MockTest-II	2	28
15	Revision and feedback	2	30

GATE CO-Ordinator

HOD/Mech





KINGS COLLEGE OF ENGINEERING Punalkulam, Thanjavur. Approved by AICTE, New Delhi & Affiliated to Anno University, Chennoi



Attendance and Assessment Record

Name of the Staff : __S.NELSON_RAJA

Department : MECHANICAL

Subject Code & Name : GATE COACHING

Branch : MECHANICAL

Semester : 2021 - 2022 (000)

Attendance and Assessment Record

Name of the Staff	: S. NELS	ON RAJA Dept	MECH
Name of the Subject	: GATE	Code	
Branch	MECHA	MICAL ENGI	MEERING
Semester		Year	THE THE PARTY
Date of Commencement	18.8.21	Last Working Day	30 11,21/
			20.01.2022

Details	Sessions Planned	Sessions Handled	% of Portions covered	Sign. of HOD
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End of the Third Month	23	23	771.	2
End of the Fourth Month	30	30+01	100%	4/2/

DEINCIPAL PRINCIPAL

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31	ROOBAN.	к
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34	SIVABALA	N.A
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36	VEERAG	URU. M
37	VEERAMA	191.K
38	VEERAM	ANIR
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41	ABINESH	4. P
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		RECORD OF CLASS WORK				
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	28/9/21	Introduction to Sylobusi	4	05	Ship	
	4/9/21	Subjects and Question	4			
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	12,18 9 121	Heat and Mass Transfer	214	08	Short	-
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	26/9/21	Manufacturing Technology	4	14	Ship)	-
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	10 10 21	Fluid Mechanics	1,2	16	SPA	\$
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	Hours Planne	d: 1b	Hours	Handled	: 16	

		RECORD OF CLASS WORK				
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	24/10/21	Engineering Metallurgy	1,2	20	مهو	\$
	30/10/21	Dynamics of Machines	4	22	Shi	-
	31/10/21		1			
	31/10/21	Mechanics of MetalEuttin	2	24	56in	
	6/11/21		4		V	
	الالتالة	Strength of Materials	112	26	Short	
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	14,20/11/21	REVISION and MOCK FEZE	31/4	30 . 9	Ship.	8
	28/11/21	Revision	ı	-	sly	8 111
		Verified 2 al	122	~		
	Hours Planne	d: 14 P 9 4 22	Hours	Handled:	15	





DEPARTMENT OF MECHANICAL ENGINEERING ACADEMIC YEAR 2021-22 (EVEN) ACTION PLAN FOR GATE COACHING

Name of the Course

: GATE

Batch

: 2019-2023

Year / Semester

: III / 06

Staff In charge

: Mr. S. Sabanayagam

S.No	Topics	Hours Planned	Cumulative Hours
1.	Introduction to Syllabus, Subjects and Question Pattern.	2	2
2.	Engineering Thermodynamics Questions Discussion and Assignments	2	4
3.	Design of Machine Elements Questions Discussion and Assignments	2	6
4.	Heat and Mass Transfer Questions Discussion and Assignments	2	8
5.	Thermal Engineering Questions Discussion and Assignments	2	10
6.	Gas Dynamics Questions Discussion and Assignments	2	12
7.	Manufacturing Questions Discussion and Assignments	2	14
8.	Fluid Mechanics Questions Discussion and Assignments	2	16
9.	Mock Test-I	1	17
10.	Metrology and Measurements Questions Discussion and Assignments	2	19
11.	Engineering Metallurgy Questions Discussion and Assignments	2	21
12.	Dynamics of Machines Questions Discussion and Assignments	2	23
13.	Mechanics of Metal Cutting Questions Discussion and Assignments	2	25
14.	Strength of Materials Questions Discussion and Assignments	2	27
15.	Revision	1	28
16.	Mock Test-II	1	29
17.	Feedback	1	30

Staff In-Charge

HoD/MECH +

GATE Coordinator 3 2022



KINGS COLLEGE OF ENGINEERING Punalkulam, Thanjavur. Approved by AICTE, New Dehi & Affiliated to Anno University, Chernoi



Attendance and Assessment Record

Name of the Staff : 5. HELSON RAJA

Department : MECHANICAL

Subject Code & Name : GATE COACHING

Branch : MECHANICAL

Attendance and Assessment Record

Name of the Staff	5. MELS	ON RAJA De	pt	MECH
Name of the Subject	GAT	E Co	de	(1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-
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Date of Commencement	: 16.3.22	Last Working Da	ay <u>16</u>	. B. 12

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End of the Second Month	73	23	76.76%	The seal
End of the Third Month	30	30	100%	4/21
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9	DIMESH . A	
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12	HARIHARAN	4.0
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16	HARISH GO	MTHAM, M
17	LYAPPAN, A	
18	KALAI MUHIL	ARASAN.
19	KAVIYARASA	N. R
20	KISHORE R	
21	MULLAIVEHO	CHAN. G
22	MUTHUKUM	AR, K
23	NARENDRAN	J.R
24	A.HUHTIN	
25	PRADEEPRA	JAN.S

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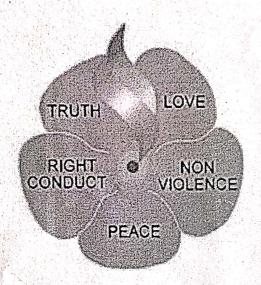


A NAAC Accredited Institution Recognized under 2(f) & 12(B) of UCC Approved by AICTE, New Dolhl Affiliated to Anna University, Chennal



1.2.2 - Universal Human Values

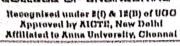
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HoD/S&H









Department of Science and Humanities **Universal Human Values**

Content

S.No	Particulars	
1	UHV Module -1 2021-2022	

HoD/S&H

Principal





A NAAC Accredited Institution KINGS COLLEGE OF ENGINEERING Recognized under 2(0 & 12(B) of UGG

Recognized under 2(f) & 12(B) of UGC
Approved by AICTE, New Dolhi
Affiliated to Anna University, Chennal



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

JAV Coordinator

HoD/S&H





A NAAC Accredited Institution | COLLEGE OF ENGINEERING Recognized under 2(0 & 12(B) of UGC



Recognized under 2(f) & 12(B) of UGC
Approved by AICTE, New Delhi
Affiliated to Anna University, Chennal

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

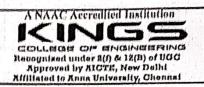
This course is to be taught by faculty members from every department.

HoD/S&H

Principal
PRINCIPAL
Kings College of Engineering,
PUNALKULAM - 613 303.

JHV Coordinator







DEPARTMENT OF SCIENCE & HUMANITIES

ADD ON PROGRAMS / CERTIFICATE COURSE DURING THE ACADEMIC YEAR

All I	Academic Year 2021-22
Syllab	us, Course Plan, Time table, Evaluation, Certificate, Outcome
S.No.	COURSE TITLE
1.	Universal Human Values (UHV) Module - I

HOD/S&H







DEPARTMENT OF SCIENCE & HUMANITIES

ADD ON PROGRAMS / CERTIFICATE COURSE DURING THE ACADEMIC YEAR

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	sal Human Values (UHV) Module - I	L'A	ANDLED	ATTENDE

Total No. of Add-On courses organized :1

No. of Students Attended

:213









Batch:202	1-2025		Aug The			- Parket				Strength:19
Year: I		Sen	nester: II		Branc	h: CIVII	L Cla	ss Room : 4	106	Block: IV
Session	1	2	10.55	3	4	12.50	5	6	03.10	7
Day	09.15am 10.05am	10.05 am 10.55 am	11.10 am	11.10am 12.00am	12.00am 12.50pm	01.30 pm	01.30pm 02.20pm	02.20pm 03.10pm	pm 03.25 pm	03.25pm 04.15pm
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SUB CODE	NAME OF THE SUBJECT	CATEGORY	CREDITS	NAME OF THE STAFF	DEPT	PERIODS/ WEEK
		TUTORIA	L (T), ELEC	CTIVE (E)	0個 0.58	
HS3251	Professional English II	HSMC	4(T)	Mr.P.Raajeshwaran	ENGLISH	6
MA3251	Statistics and Numerical Methods	BSC	4(T)	Dr.G.Shankarakalidoss	MATHS	6
PH3201	Physics for Civil Engineering	BSC	3.13	Ms.T.Abimalaiarasi	PHYSICS	5
BE3252	BEE&IE	ESC	3	Mrs.U.Jeyamalar	ECE	6
GE3251	Engineering Graphics	I ESC	1.14	Mr.M.Sakthivel	MECH	6
		PF	RACTICAL(I			
23271	Engineering Practices Lab	ESC	2	Mr.M.Sakthivel Mr.R.Balakrishnan	MECH ECE	4
BE3272	BEE&IE Lab	ESC	2	Mrs.D.Vennila	ECE	4
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	UHV			Dr.S.Udayakumar	A STATE OF THE STA	1
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CLASS CO-	ORDINATOR		NAME O	F THE REPRESENTATIVES		ROLL NO
Dr.S.Uday	akumar	G.V.NAAVIN	IYAA, S.MO	HAN		21CE12 21CE10
CLASS CO	MMITTEE CHAIR PERSON	Mrs.S.Anur	adha			

DEPT. TTC

Dr.S.Udayakumar

9/4/22нор







Year: 1		Ser	nester: l	ı	Bran	ch: CSE	; C	lass Room :	405	Block: IV
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Day	09.15am 10.05am	10.05am	11.10 am	11.10am 12.00am	12.00am	01.30 pm	01.30pm 02.20pm	02.20pm 03.10pm	03.25 pm	03.25pm
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SAT	CS3251	HS3251		MA3251	BE3251		NET/LIB	PH3256		SWAYAN

SUB	NAME OF THE SUBJECT	CATEGORY	CREDITS	NAME OF THE STAFF	DEPT	PERIODS, WEEK
		TUTORIA	L (T), ELE	CTIVE (E)		
HS3251	Professional English II	HSMC	4(T)	Mr.P.Raajeshwaran	ENGLISH	5
MA3251	Statistics and Numerical Methods	BSC	4(T)	Dr.V.Vijayalakshmi	MATHS	6
PH3256	Physics for Information Science	BSC	3	Mrs.S.Anuradha	PHYSICS	4
BE3251	BEEE	ESC	3	Mrs.D.Vennila	ECE	5
GE3251	Engineering Graphics	ESC	4	Mr.D.Balaji	MECH	6
CS3251	Programming in C	PCC	3	Mrs.D.R.Saranya	CSE	4
35" 25981		P 1	RACTICAL	(P)		
GE3271	Engineering Practices Lab	ESC	2	Mrs.D.Vennila/ Mr.K.Sudharsanan Mr.R.Shankar	ECE MECH	4
CS3271	Prog. In C Lab	PCC	2	Ms.D.R.Saranya		4
		VALUE ADI	ED INITIA	TIVES (VAI)		
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	PED		70.75	Mr.V.Rajendran		1
	SWAYAM			Class Coordinator		1
	UHV			Dr.P.Saravanan		1
CLASS CO-	ORDINATOR	NAME OF TH	IE REPRES	SENTATIVES		ROLL NO
Dr.V.Vijaya		P.J.SOWIMY	21CS54 21CS39			
CLASS CON	MITTEE CHAIR PERSON	Mr.J.Radhak	rishnan			

DEPT. TTC Dr.S.Udayakumar







Batch:20	21-2025		March 6							Strength:63
Year: I			Semester:	11	Bran	ch: ECE	CI	ass Room :	404	Block: IV
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MON	HS3251	EC3251		MA3251	GE3271 /EC3271		GE3271,	/ EC3271		GE3271/ EC3271
TUE	GE3	251		GE3251	BE3254	¥	MA3251	PH3254		UHV
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SUB CODE	NAME OF THE SUBJECT	CATEGORY	CREDITS	NAME OF THE STAFF	DEPT	PERIODS/ WEEK
		TUTORIAL	(T), ELEC	TIVE (E)		
HS3251	Professional English II	HSMC	4(T)	Mr.G.Dinesh	ENGLISH	5
MA3251	Statistics and Numerical Methods	BSC	4(T)	Dr.G.Shankarakalidoss	MATHS	6
PH3254	Physics for Electronics Engineering	BSC	3	Ms.T.Abimalaiarasi	PHYSICS	4
BE3254	Electrical and Instrumentation Engineering	ESC	3	Mr.T.Jayaseelan	ECE	4
GE3251	Engineering Graphics	ESC	4	Mr.S.Balaganesh	MECH	6
:C3251	Circuit Analysis	PCC	4(T)	Mr.R.Balakrishnan	ECE	5
		PRA	CTICAL(P			
GE3271	Engineering Practices Lab	ESC	2	Mr.T.Jayaseelan/ Mr.S.Sivakumar Mr.S.Balaganesh	ECE MECH	4
EC3271	Circuit Analysis Lab	BSC	1	Mr.R.Balakrishnan Mr.R.Thandayuthapani	ECE	4
	V	LUE ADDE	D INITIAT	TIVES (VAI)		
	NET LAB / LIBRARY	100	Mr	.G.Dinesh / Mr.V.Srinivas	an	1
	PED	10.4	100	Mr.V.Rajendran		1
	SWAYAM			Class Coordinator		1
7.44.1	UHV		100	Dr.S.Udayakumar		1
CLASS CO-	ORDINATOR		ROLL NO			
Mr.G.Din		v.swathi	21EC56 21EC28			
CLASS CO	MMITTEE CHAIR PERSON	Dr.P.Sara	ivanan			

DEPT. TTC Dr.S.Udayakumar HOD 9/4/22







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FRI .	EE3	271		EES	3271	LUNCH	BE3255	EE3251		NET/LIE
SAT	PH3202	UHV	7	MA3251	EE3251		HS3251	BE3255		SWAYAM

SUB CODE	NAME OF THE SUBJECT	CATEGORY	CREDITS	NAME OF THE STAFF	DEPT	PERIODS/ WEEK
		TUTORIAL	(T), ELE	CTIVE (E)		-
HS3251	Professional English II	HSMC	4(T)	Mr.J.Radhakrishnan	ENGLISH	5
MA3251	Statistics and Numerical Methods	BSC	4(T)	Dr.S.Revathi	MATHS	6
PH3202	Physics for Electrical Engineering	BSC	3	Mrs.S.Anuradha	PHYSICS	4
BE3255	Basic Civil and Mechanical Engineering	ESC	3	Mr.S.Nelsonraja	MECH	4
GE3251	Engineering Graphics	ESC	4	Mr.M.Sakthivel	MECH	6
EE3251	Electric Circuit Analysis	PCC	4(T)	Dr.R.Arulraj	EEE	5
BBUGUE		PRA	ACTICAL	(P)		
GE3271	Engineering Practices Lab	ESC	2	Mr.R.Sathyaraj Mr.M.Sakthivel	ECE MECH	4
EE3271	Electric Circuits Laboratory	PCC	2	Dr.R.Arulraj	EEE	4
	v	ALUE ADDI	ED INITIA	TIVES (VAI)		
N	IET LAB / LIBRARY		Mr.J.Ra	dhakrishnan / Dr.S.Revath	i	1
•	PED			Mr.V.Rajendran		111
	SWAYAM			Class Coordinator		1
	UHV			Dr.V.Sureshkumar		1
CLASS CO	ORDINATOR		NAME O	F THE REPRESENTATIV	ES	ROLL NO
Dr.S.Reva		S.SUJITHA	**************************************			21EE19 21EE17
CLASS CO	MMITTEE CHAIR PERSON	Dr.R.Sure	sh	No December 1987 to a second fill of control and investment of property and a second s		

VDr.S.Udayakumar

HOD HOD







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FRI	GE3	271		GE	3271	LUNCH	HS3251	BE3251		PH3251
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SUB CODE	NAME OF THE SUBJECT	CATEGORY	CREDITS	NAME OF THE STAFF	DEPT	PERIODS, WEEK		
		TUTORIAL	(T), ELECT	TIVE (E)				
HS3251	Professional English II	HSMC	HSMC 4(T) Mr.J.Radhakrishnan		ENGLISH	6		
MA3251	Statistics and Numerical Methods	BSC	4(T)	Dr.S.Geetha	MATHS	6		
PH3251	Materials Science	BSC	3	Mr.S.Ambalatharasu	PHYSICS	5		
BE3251 BEEE		ESC	3	Mrs.U.Jeyamalar	ECE	6		
GE3251	Engineering Graphics	ESC	4	Mr.V.Aravind	MECH	6		
		PRA	CTICAL(P)					
GE3271	Engineering Practices Lab	ESC	2	Mrs.U.Jeyamalar Mr.V.Aravind	ECE MECH	4		
BE3271	BEEE Laboratory	ESC	2	Mr.W.Newtondavid Raj Mr.S.Ramarajan	ECE	4		
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	NET LAB / LIBRARY	M	r.J.Radhakı	rishnan / Mr.S.Ambalatha	arasu	1		
	PED		Mr.V.Rajendran					
	SWAYAM		Class Coordinator					
	UHV		D	r.V.Sureshkumar		1		
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LASS CO-C	ORDINATOR		NAME OF	THE REPRESENTATIVES	S	ROLL NO		
	alatharasu	P.AKASH, V.	P.AKASH, V.HARIRAJ					
LASS COM	IMITTEE CHAIR PERSON	Mrs.T.Gna	najeva					

DEPT. TTC 9/4/22 Dr.S.Udayakumar

HOD

T. MT 09/4/2021







Department of Science and Humanities

Academic Year 2021-2022

Universal Human Values

Resource Person Details

S.No	Name of the Staff	Designation & Affiliation	Class Taught		
1	Dr.V.Sureshkumar	Asso.Prof / Chemistry, Kings	I MECH		
		College of Engineering	I EEE		
2	Dr.S.Udayakumar	AP/ Chemistry, Kings College of	I ECE		
		Engineering	I CIVIL		
3	Dr.P.Saravanan	AP/ Chemistry, Kings College of	I CSE		
		Engineering			

Coordinator

HoD/S&H



COLLEGE OF ENGINEERING Punalkulam, Thanjavur. Approved by AlCIE, New Delhi & Affilioled to Anno University, Chespoi



Attendance and Assessment Record

Name of the Staff : DY, S, UDAYAKUM

Department : <u>CHEMISTRY</u>

Subject Code & Name : _________________

Branch : CIVIL

Semester :





Attendance and Assessment Record

Name of the Staff	: Dr.S. Wayal	Kuma Dept _	chemist-1
Name of the Subject	: UHV	Code	
Branch	<u>civil</u>		
Semester		Year	<u> </u>
Date of Commencement	:04:04:22 Last We	orking Day <u></u>	4.7.22

Details	Sessions Planned	Sessions Handled	% of Portions covered	Sign. of HOD
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End of the Fourth Month	30	30	100	30/7/2

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Principal
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Kings College of Engineering,
PUNALKULAM - 613 303.





COLLEGE OF ENGINEERING Punalkulam, Thanjavur. Approved by AICTE, New Delhi & Affitoled to Anno University, Chennoi



Attendance and Assessment Record

Name of the Staff

Dr. P. Saravanan

Department

Chomistry (5&4)

Subject Code & Name

UHV

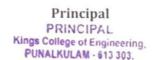
Branch

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Attendance and Assessment Record

Name of the Staff	Dr. P. Sgravo	iran Dept Chomista
Name of the Subject	: DHV	Code
Branch	TCSE	
Semester	<u>I</u> \$ T	Year_2021~22_
Date of Commencemen	t :22.11-21 Last Wo	orking Day 14 . 7 -2022

Details	Sessions Planned	Sessions Handled	% of Portions covered	Sign. of HOD
End of the First Month	1.2	12	A-0	196)
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29		SHARATHI	VS		1				1	1	1	1	1
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31		SH KRSHNAN	M	1	1,	1	1	1	1	1	/-	1	1
32	1	ED ASICK	A	1	/	1	1	1	1	1	./-	1	1
33	1 -	ED GANT	M	1	/	1	1	1	1	1	1	1	1
34	1	IED ALI	K	//	1	1	1		1	1	1	1	7
35	production in the party of	HWARAN	3	1	j	1	1		/	1	/	1	7
36	1.1	ANANTHAM	P	1	/	1	1	1	/	7	1	1	1
37		SHWART	A	1	1	1	/	1	1/		1	1	1
38		IAKUMAR	P	1	1	1	/	1	/	1	1	1	1,
39	NAVEE	7	61	1		/	/	1/	/	1	1	12.	1
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43	PRAKA		M	1	1	7	/	1	1	,	1	1	1
44	PRASA		R	1	1	7	/	1	1	1	1	1	1
45	RAHUL	The state of the s	3	1	7	1	1	7	1	1	1	7	1
46	ROOBIG		R	7	7	1	1	1	1	1	7	1	7
47	RODHISI		M	1	1	1	7	7	7	1	1	7	1
48	SARAVE		K	1	7	1	1	1	7	7	1	1	1
49	SATHYA	the first term of the second s	A	1	1	1	á	1	1	7	1	7	1
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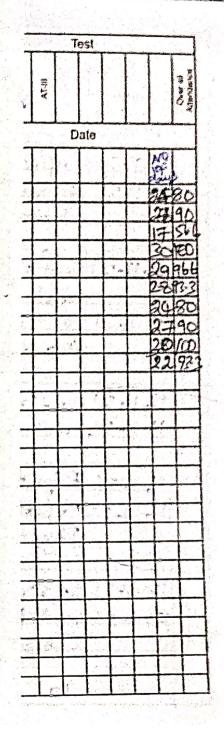
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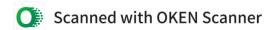
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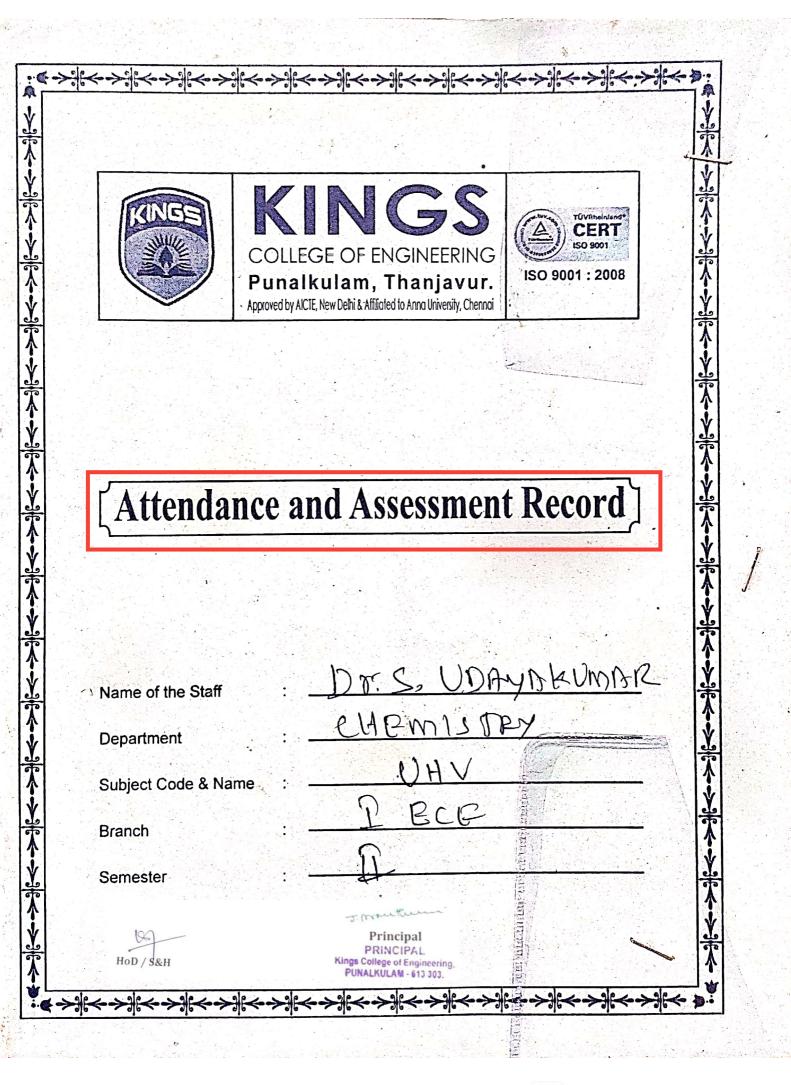
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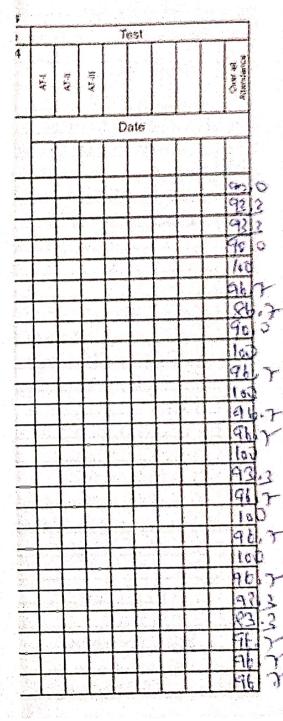
Attendance and Assessment Record

Name of the Staff	:Dr.S. Udaya	KUMP Chamsey
Name of the Subject	: UHV	Code
Branch	2 ECE	
Semester		Year
Date of Commencemen	nt :04,04, 22 Last Wo	orking Day 7.7.22

Details	Sessions Planned	Sessions Handled	% of Portions covered	Sign. of HOD
End of the First Month	12	12	40	189
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End of the Fourth Month	30	30		198)

Atte	ndance Part	iculars				-11			1	yr j	1		7
3		Date		7	10	11	11	12	12	15	115		100
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2	ARIN	ITHA .	M	/	1	1	1	1	1	1	1	1	1
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4	ARIVA	MAPAHS	9	1	1	1	1	1	1	1	7	1	d
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9	EWIY	ARASI 1	P	4	1	7	1	Ĵ	1	· /	1:2	2007	7
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14	JANA	RTHANAN	11/	4	1	/	1	/	1	1	1	1	/
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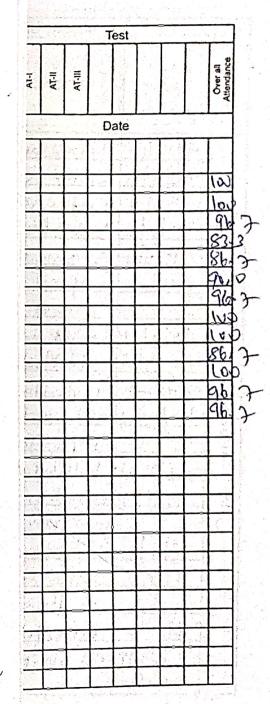
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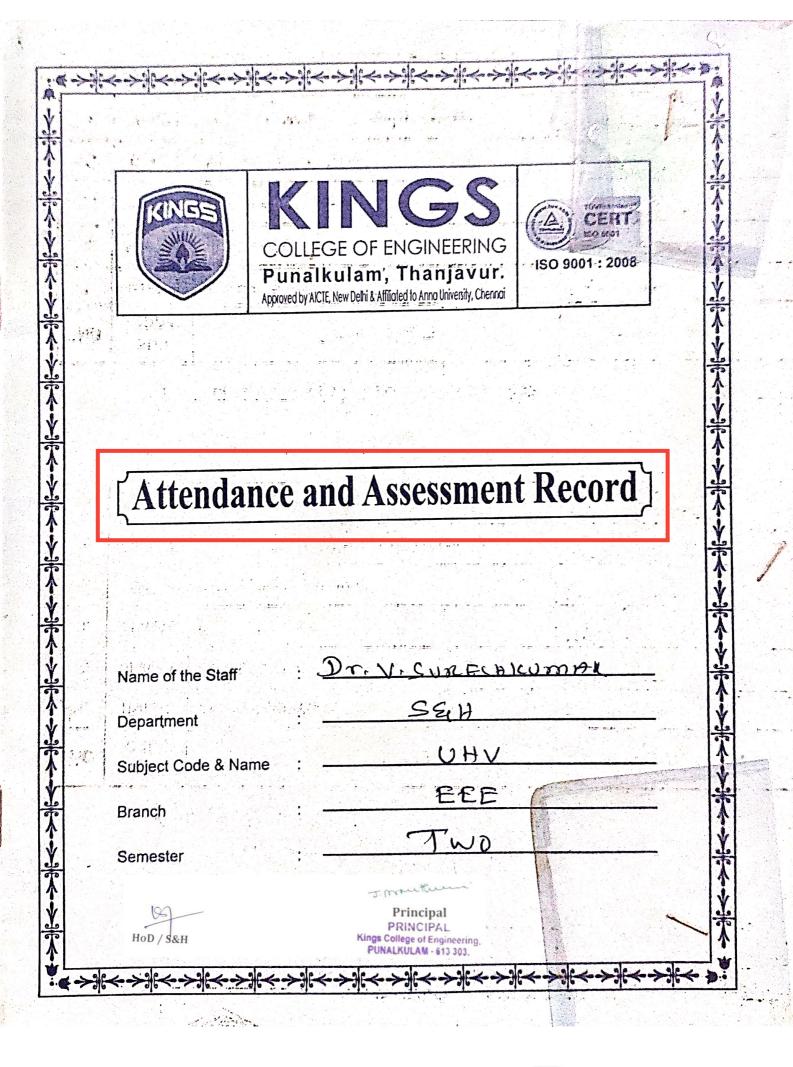


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138	11/11/21	Natural acceptant. Process	-b-	14	b	
	12/11/11	Continued Happines and	5	5	2	
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3	10/11/21	understanding happiness.	5	9	A-	
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Attendance and Assessment Record

Details	Sessions Planned	Sessions Handled	% of Portions covered	Sign. of HOD
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Details	Sessions Planned	Sessions Handled	% of Portions covered	Sign. of HOD
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9	TEGIAD	EESAN-S	1	+	+	+	+	<u> </u>	//	1	4	4
10	KARTHI	FYAN-S	+-	╁	+	4	+	+	1	1	1	1
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J. Mouture.

Principal
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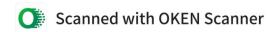


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COLLEGE OF ENGINEERING Punalkulam, Thanjavur. Approved by AKCTE, New Delhi & Affiliated to Anno University, Chennai



Attendance and Assessment Record

Name of the Staff : DY. V. SURESHKUMAR

Department : SEH

Subject Code & Name : UHV

Branch : TYECH

Semester : Two

HoD/S&H

Attendance and Assessment Record

Name of the Staff	Dow	<u>custdessecue</u>	Dept	<u> </u>
Name of the Subject	t : 03	1 V	_ Code	
Branch		TECH		
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End of the Fourth Month	30	32-	(00%.	J41312-
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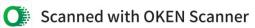
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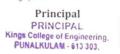
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HoD / S&H







A NAAC Accredited Institution Recognized under 2(f) & 12(B) of UGC Approved by AICTE, New Dolhi Attiliated to Anna University, Chennal



ACADEMIC YEAR 2021-22

UHV Programme

Student Name: AKALYA-J

Department : CIVIL

Please give the rating for the following regarding student induction programme

S.No	Aspect	Your feedback (put ✓)						
		Strongly Agree	Agree	Disagree	Strongly disagree	No answer		
	Overall feed		t the progra	mme	,			
1	Topics covered were relevant and appropriate							
2	Sessions were interesting	V	1/					
3	Session duration was scheduled correctly	\(\sigma\)	~					
4	I have truly benefitted by attending this programme							
5	I feel comfortable with the college ambience	V						
6	I got opportunity to mingle and make new friends		~					
7	Programme has helped to take my student role at kings							
8	Feel motivated after attending this programme		~~~					
9	I was given valuable inputs during this programme	~						
10	Overall objective of the programme is met							
		sions Rating	g (Put√)					
11	UHV							

J. Abalogu Student Signature

HoD/S&H





ANAAC Accredited Institution Recognized under 1(f) & 11(ff) of VOC Approved by AIGTE, New Delhi Alliliated to Anna University, Chennal



ACADEMIC YEAR 2021-22

UHV Programme

Student Name: Bhatodhi-P.A

Department : CS E

Please give the rating for the following regarding student induction programme

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HoD/S&H

Principal PRINCIPAL Kings College of Engineering.

PUNALKULAM - 613 303.





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(Approved by AIGTE, New Delhi, Affiliated to
Anno University, Chennal)



DEPARTMENT OF SCIENCE AND HUMANITIES ACADEMIC YEAR 2021-2022

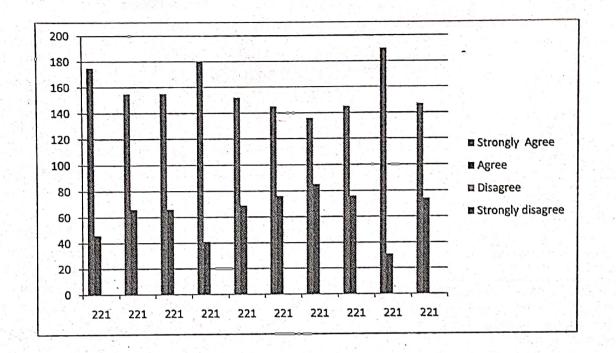
UHV Course

Feedback Analysis

S.No	Questions	Total Strength	Strongly Agree	Agree	Disagree	Strongly disagree	No answer
1	Topics covered were relevant and appropriate	221	175	46			
2	Sessions were interesting	221	155	66			
3	Session duration was scheduled correctly	221	155	66			
4	I have truly benefitted by attending this programme	221	180	41			
5	I feel comfortable with the college ambience	221	152	69			
6	I got opportunity to mingle and make new friends	221	145	76			
7	Programme has heliped to take my student role at kings	221	136	85			
. 8	Feel motivated after attending this programme	221	145	76			
9	I was given valuable inputs during this programme	221	190	31			
10	Overall objective of the programme is met	221	147	74			

HoD/S&H







Punalkulam, Gandaryakottai Taluk, Pudukkottai Dist. - 613 303.



This is to certify that Mr. /Ms	AKALYA J	of
CIVIL ENGIN	EERING	

has actively participated in the programme on Universal Human Values between 09.11.2021 and 04.07.2022 organized by UHV Cell, Kings College of Engineering, Punalkulam.

COORDINATOR-UHV

CONVENER

PRINCIPAL

E-certificate signature is not required





Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai Punalkulam, Gandarvakottai Taluk, Pudukkottai Dist. - 613 303.



This is to certify that Mr.	/Ms. NAVEEN G	of
COMPUTER	SCIENCE AND ENGINEERING	

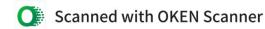
has actively participated in the programme on Universal Human Values between 09.11.2021 and 04.07.2022 organized by UHV Cell, Kings College of Engineering, Punalkulam.

COORDINATOR-UHV

CONVENER

PRINCIPAL

E-certificate signature is not required





A NAAC Accredited Institution

GE OF ENGINEERING Recognized under 2(f) & 12(B) of UGC Approved by AICTE, New Delhi Affiliated to Anna University, Chennal



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.

HoD / S&H







DEPARTMENT OF TRAINING AND PLACEMENT

ADD ON COURSE ACADEMIC YEAR

2021 - 2022









DEPARTMENT OF TRAINING & PLACEMENT

ACADEMIC YEAR 2021 - 2022

ADD - ON PROGRAMME

SYLLABUS & COURSE PLAN

CONTENT

S.NO	PARTICULARS	REMARKS
1.	SYLLABUS & COURSE PLAN (SOFT SKILLS(SK) & APTITUDE(AP)) MODULE SK03 & SK04 & AP03, AP04 II, III & IV Years	II YEAR, III YEAR & IV YEAR







DEPARTMENT OF TRAINING & PLACEMENT

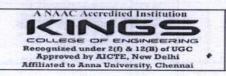
SUBJECT: QUANTITATIVE APTITUDE - AP03

YEAR/SEMESTER: II/ III

PREPARED BY,

Ms.P.SUGANYA / 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

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

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

STAFF INCHARGE

VP/HEAD

Quantitative Aptitude 2

KCE/T&P/CP/II YR/QA

FORMAT: QP09 KCE/DEPT. OF 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 : 2020-2024

Academic Year : 2021-22(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

T2. A Modern Approach to the verbal & Non - verbal reasoning - R.S. Aggarwal

WEB RESOURCES

W1. www.indiabix.com- Problems on Numbers

W2. www.indeed.com - Simplification, Permutation & Combination

W3. www.freshersworld.com - Probability

W4. www.testpot.com - Odd man out series

W5. www.math4.com

Topic No	Topic	Books for Reference	Page No.	Teaching Methodology	No. of Hours Required	Cumulative No. of periods
	Problems on numbers	120 - 506	PANA	100 mile 1		(2)
1.	Definition & Types of numbers	T1	1-2	BB/PPT	1	1
2.	Test of Divisibility	T1,W1	3-15	BB/PPT	n in 1 in he	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

a. W	Simplification							
3.	BODMAS rule and problems solved	T1,W2	67-74	BB/PPT	irko i 1 19 sali Kirlank	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 Combina	tion		Essay		(2)
5.	Definition, Factorial notation and examples, Difference between Permutation and Combination	T1,W2	613 -615	BB/PPT	1	5
6.	Number of combinations and its types of problems	T1,W2	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	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

U	ld 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	T1,W4	654 - 657	BB/PPT	nesmilders	10
	alphabetical series		li ti 👟	to zony? I	Alsonativities	- New

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.

Ms. P. SUGANYA

VP/HEAD

Describe the conditions and its problems

Approved by

PRINCIPAL

Quantitative Aptitude 5

KCE/T&P/CP/II YR/QA







DEPARTMENT OF TRAINING AND PLACEMENT

SYLLABUS

SOFT SKILLS - II YEAR - SS03

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

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

.

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

STAFF INCHARGE

VP/HEAD

1/0







DEPARTMENT OF TRAINING & PLACEMENT COURSE PLAN

Sub. Name/Code: Soft Skills/SS03

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

Batch

: 2019-2023

Staff Name: Mr. B. SureshBabu & Dr. K. Sudhakar Academic Year: 2020-21(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

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
IN	TRODUCTION TO SOFT SE	CILLS & HAF	RD SKILLS	d i kropa sa sasaa ji	Required	(2)
	Need for Soft Skills,			PPT, BB &		
1.	Employability Skills	T1 W1,	1-12	intensive class room exercise	1	1
2.	Need for Observation Positive Attitude	W2 T1	19-31	BB & intensive class room exercise	1	2
	G OUTCOME d of unit, students should be	able to		San Partition (a		
	alyze the need for soft skills					
	derstand the importance of		tude.			
В	REAK THE ICE BERG - FEA	.R				(2)
3.	Overcoming Fear 5 Life changing keys to overcome FEAR	T1 W3	100-102	PPT, BB & intensive class room exercise/	1	3
4.	Anglophobias	W3	· · · · · · · · · · · · · · · · · · ·	BB& intensive class room exercise	1	4
• Ide	entify the keys to overcome f SELF DEVELOPMENT	ear.				(3)
	Introduction - Importance	m4 mo	164-165			(2)
5.	of knowing yourself and process	T1, T2 T1	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
	G OUTCOME					
 Lea 	of unit, students should be arn about themselves					
• An	alyze and know their streng RESUME BUILDING	ths and weal	knesses			
	RESOME BUILDING					(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

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

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.

Prepared by

MR. B.SURESHBABU Dr. K. SUDHAKAR Verified by

VP/HEAD

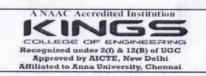
Approved by

PRINCIPAL

Variation 1

Soft skills 4







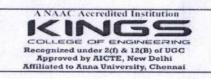
DEPARTMENT OF TRAINING & PLACEMENT

SUBJECT: QUANTITATIVE APTITUDE - AP05

YEAR/SEMESTER: III/ V

PREPARED BY,
Ms.P.SUGANYA / AP







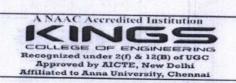
DEPARTMENT OF TRAINING & PLACEMENT

SUBJECT: QUANTITATIVE APTITUDE - AP05

YEAR/SEMESTER: III/ V

PREPARED BY,
Ms.P.SUGANYA / 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

problems on Numbers – Definition – Types of numbers – Test of divisibility – Place and Face value problems

Ratio & Proportion - Definition - important facts & formula - Ratio - Proportion.

Partnership – Definition of partnership – ratio of division of gains – working and sleeping partnership.

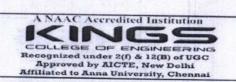
Alligations (or) Mixture - Definition, mean price - rules of allegation and important conditions.

Total Periods: 10

2

F. Smil 8 21 STAFF INCHARGE 16/8/2/ VP/HEAD partnership.







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

problems on Numbers - Definition - Types of numbers - Test of divisibility - Place and Face value problems

Ratio & Proportion - Definition - important facts & formula - Ratio - Proportion.

Partnership - Definition of partnership - ratio of division of gains - working and sleeping

Alligations (or) Mixture - Definition, mean price - rules of allegation and important conditions.

Total Periods: 10

2

VP/HEAD







DEPARTMENT OF TRAINING & PLACEMENT

Sub. Name: Quantitative Aptitude Branch / Year / Sem : B.E (All Branch/III/V)

Name: Ms P.Suganya Batch : 2019-2023

Academic Year : 2021-22(0DD)

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 Problems on Trains, Problems on numbers
- W2. www.indeed.com Ratio and Proportion
- W3. www.freshersworld.com
- W4. www.testpot.com Partnership
- W5. www.math4.com Allegation or Mixture







DEPARTMENT OF TRAINING & PLACEMENT

Sub. Name: Quantitative Aptitude Branch / Year / Sem : B.E (All Branch/III/V)

Name: Ms P.Suganya Batch : 2019-2023

Academic Year : 2021-22(0DD)

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 Problems on Trains, Problems on numbers
- W2. www.indeed.com Ratio and Proportion
- W3. www.freshersworld.com
- W4. www.testpot.com Partnership
- W5. www.math4.com Allegation or Mixture

Topic No	Topic	Books for Reference	Page No.	Teaching Methodology	No. of Hours Required	Cumulative No. of periods
	PROBLEMS ON TRAINS					(2)
1.	Introduction, important condition and types of train problems – same direction, opposite direction	T1,W1	405-407	BB/PPT		1
2.	Concepts and formulas for slower train, faster train. Sample problems	T1	408-424	BB/PPT	o de la	2

LEARNING OUTCOME

 At the end of unit, students should be able to Analyze the concept of problems on train

Describe the conditions and its directions

100	PROBLEMS ON NUMBER	or various q 2	formulae f	вил глезапоста	Analyzet	(2)
3.	Definition & Types of numbers	T1,W1	1-2	BB/PPT	e dauged	3
4.	Tests of Divisibility	T1	3-15	BB/PPT	1	4

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

	RATIO AND PROPORTION			LOW ZOLLAND	HER SET	(2)
5.	Definition – important facts	T1	294-296	BB/PPT	1	5
6.	formula-Ratio and Proportion, Sample problems	T1 W2	297 -301	BB/PPT	1	6

LEARNING OUTCOME

At the end of unit, students should be able to

- Describe and Compare Ratio and Proportions
- Analyze and solve the problems on Ratio and Proportions

Topic No	Topic	Books for Reference	Page No.	Teaching Methodology	No. of Hours Required	Cumulative No. of periods
	PARTNERSHIP					(2)
7.	Definition – important facts	79/T1	311-312	BB/PPT	1	7
8.	formula–Ratio and Proportion, Sample problems	T1,W4	313-317	BB/PPT	1	8

LEARNING OUTCOME

At the end of unit, students should be able to

- Describe and Compare working and sleeping partner
- Analyze and solve the problems

	ALLIGATION OR MIXTURE					
9.	Definition, mean price – rules of Alligation and important conditions	T1,W5	435-436	BB/PPT	tedauborant	9
10.	Sample problems	+ T1	437-439	BB/PPT	ostra nie v	10

LEARNING OUTCOME

At the end of unit, students should be able to

- Analyze the concept of Alligation or Mixture
- Realize the Mean price and Rules

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.

Prepared by

Ms. P. SUGANYA

Verified By

VP/HEAD

Approved by

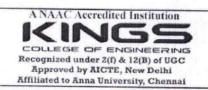
PRINCIPAL

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Quantitative Aptitude 5

KCE/T&P/CP/III YR/QA







SUBJECT NAME & CODE: Soft Skills & SK05

YEAR

: III

SEMESTER: V

PREPARED BY

Mr. B. Suresh Babu, AP

Dr. K. Sudhakar, AP







SYLLABUS SOFT SKILLS /SS05

Unit I

Know Thyself/ Understanding Self

Introduction to Soft skills-Self discovery-Developing positive attitude-Improving perceptions-Forming values

Unit II

Interpersonal Skills/ Understanding Others

Developing interpersonal relationship-Team building-group dynamics-Net working-Improved work relationship

Unit III

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

Corporate Skills / Working with Others

Developing body language-Practicing etiquette and mannerism-Time management-Stress management

Unit V

Selling Self / Job Hunting

Writing resume/cv-interview skills-Group discussion- Mock interview-Mock GD - Goal setting - Career planning

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

STAFF IN-CHARGE

VP/HEAD-T&P







DEPARTMENT OF TRAINING & PLACEMENT **COURSE PLAN**

Sub. Name/Code: Soft Skills/SS05

Branch/Year/Sem : B.E (All Branch/III/V)

Batch

: 2018-2022

Staff Name : Mr. B. Suresh Babu & Dr. K. Sudhakar Academic Year : 2020-21(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://https://www.youtube.com/watch?v=jxt0-sYYL8s/

Topic No	Topic	Books for Reference	Page No.	Teaching Methodology	No. of Hours Require	Cumulative No. of
Unit I - K	now Thyself/ Understand	ing Self	7 72		Require	d periods (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
AnUn	of unit, students should be alyze the need for soft skills derstand the importance of nterpersonal Skills/ Unde	positive atti	tude. 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 G OUTCOME	W4		BB & intensive class room exercise/PPT	1	4
 Und Ide 	of unit, students should be derstand various concepts on tify the keys to overcome for Communication Skills	f phobias.				(2)
	A			PPT, BB&		
5.	Art of listening-Art of reading-Art of speaking	T1	67-102	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
At the end Lea Stre	of unit, students should be a rn about the importance of engthen their communication orporate Skills / Working	communicat on skills in re	ading, spea	orate life	g	(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	Hours	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.

iii – v	Selling Self / Job Hunting					(2)
9.	Writing Resume/CV, interview skills-Group discussion	T1	183-202	BB & intensive class room exercise/PPT	main SI	9
10.	Mock interview-Mock GD Goal setting - Career planning	Т1	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

Application of soft skills in real life

MR. B.SURESHBABII

Dr. K. SUDHAKAR

PRINCIPAL.

KCE/T&P/CP/III YR/SS

16 |8 |2 | Verified by

VP/HEAD - T & P





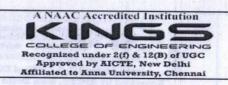


SUBJECT: QUANTITATIVE APTITUDE - AP07

YEAR/SEMESTER: IV/ 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	ng and
alphabets coding – Analogy.	2
Reasoning - Odd man out series, Logical word sequence, mathematical orders	2
Pipes and Cisterns – Inlet and Outlet- Conditions *	2
Percentage - Concept of percentage - Percentage increase and decrease - resi	ult on
population	2
Simple and Compound interest - Definitions - Principal - interest - simple inte formulae Definition - compound interest and formulae - Sample problems	rest – 2
Logarithm – Definition of logarithm – characteristics – properties of logarithms – collogarithms.	mmon 2
Ratio & Proportion - Definition - important facts & formula - Ratio - Proportion.	2
H.C.F & L.C.M of Numbers – Definition – Conditions of H.C.F & L.C.M – Factorize and Dimethod	vision 2
Blood Relations – Based on dialogue and conversation Puzzles	2
Time, Speed and Distance –Introduction and Concepts and difference between Time, I and speed	
and speed	2

Total Periods: 20

STAFF INCHARGE

VP/HEAD



A NAAC Accredited Institution

COLLEGE OF ENGINEERING

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Affiliated to Anna University, Chennai



DEPARTMENT OF TRAINING & PLACEMENT

Sub. Name : Quantitative Aptitude

Branch / Year / Sem : B.E (All Branch/IV/VII)

Staff Name : Ms P.Suganya

Batch : 2018-2022

Academic Year : 2021-22(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, Reasoning, Blood Relations

W2. www.indeed.com - Pipes and Cisterns, Percentage

W3. www.freshersworld.com - Time, Speed and Distance

W4. www.testpot.com - Simple and Compound Interest, Logarithms

W5. www.math4.com - Ratio and Proportion, HCF and LCM of numbers

Topic No	Topic itis	Books for Reference	Page No.	Teaching Methodology	No. of Hours Require d	Cumula tive No. of period
Codin	g and Decoding				The second	(2)
1.	Introduction, important condition and types of number coding and	T1,W1	213 - 219	BB/PPT	1	1
2.	Alphabets coding - Analogy.	T1	194 -200	BB/PPT	1	2
At the	NING OUTCOME end of unit, students should be Analyze the concept of coding solve the problems on coding,	and decoding o	concepts ng and analog	r des à Ferrets) sol coloratos ade las des capacitats y.		
Reaso	oning	2147 200	To the bas	selement a nomi	Auril El	(2)
3.	Definition – Reasoning and types of reasoning	T1,W1	649 - 657	BB/PPT	1	3
4.	Discussion of Company Question Paper	T1	658 - 665	BB/PPT	1019 1	4
5. 6. LEAR !	and Cisterns Definition – Inlet formulae and problems Definition – outlet formulae and problems NING OUTCOME end of unit, students should be Analyze the concept of pipes ar		371 -373 374 - 376	BB/PPT BB/PPT	TO HE TO SERVICE AND THE SERVI	6
•	Describe the conditions and its					41 11
Perce	ntage				Lad Vi	(2)
7.	Concept of percentage	T1,W2	208 - 215	BB/PPT	vao 31 81	7
8.	Percentage increase and decrease – result on population	T1,W2	216 -230	BB/PPT	o bos dor	8
At the	NING OUTCOME end of unit, students should be Describe Concept of percentage Analyze and solve the problem	e	e increase and	l decrease	Paraly Drain Special 19 Interest	
	e and Compound Interest			d and Distance	Spee	(2)
9.	Definitions - Principal - interest – simple interest	T1, W4	445 - 453	BB/PPT	i DW 1 /AAA in bira estr	9
	formulae	Compared to Life I have	hand out of the bright it			Mark Harry Hall

William Street	RNING OUTCOME e end of unit, students should be	able to				
	Describe Concept of Simple and	Compound I	nterest			
•	Analyze the difference between	simple and o	ompound Inter	est		
	rithm					(2
11	Definition of logarithm -	T1,W4	487-488	BB/PPT	1	111
	characteristics - Properties		1 1000			
12	of logarithms			LENG WALKARY SE MARK PER	HIPO 3	
12	Common logarithms	T1,W4	487-488	BB/PPT	1	12
LEARI	NING OUTCOME					
At the	end of unit, students should be a	ble to			DOM:	
•	Describe common logarithms a	nd Exponenti	al form	राज्यक्षेत्रस्य संस्कृत	to here sale.	
•	Identify the application of loga	rithms		agerpay est es		
	and Proportion	Staron con	HE STEPS IN	French and		(2
13	Definition – formulae and Conditions	T1,W5	294 - 296	BB/PPT	1	13
14	Ratio and Proportions Sample	T1,W5	297 -301	BB/PPT	1	1/
	problems	17	a la		mela d	1
EARN	NING OUTCOME	MR CHEEL		Fried and	CONTRACTOR OF THE PARTY OF THE	1 1 1 1 1
I.C.F &	Realize the application of Ratio & L.C.M of Numbers	10 2001	Segua Dirak (231)	oursign and the	TOTAL T	(2)
15	Definition – Conditions of	T1,W5	30 - 34	BB/PPT	1	15
	H.C.F & L.C.M	SWLT,	and a substitute	rition - littlet to	Hott Fra	13
16	Factorize and Division	T1,W5	35 - 39	BB/PPT	1	16
EADN	method method	376,1.4	n , laterna	f rettup toock		
	NING OUTCOME			ACT TO A THE REAL PROPERTY AND	Landa .	
it the e	end of unit, students should be a	ble to				
	Describe and Comparison of Hig Analyze and solve the problem of	nest Commor	Factor and Lea	ast Common M	ultiplier.	
		II L.C.M & H.C	f.	of Same and the		
	Relations	Annale	的"性"之外 为此位为1945			
Blood	Relations	Tra sara	018.83 365.283	is onjoy our por	aunimi	
Blood	Relations Relations - Based on dialogue	T1,W1	466-470	BB/PPT	1	1,
17 18	Relations Relations - Based on dialogue Conversation method	T1,W1 T1,W1,W3	466-470 470-473	BB/PPT BB/PPT	1 1	
Blood 17 18 EARN	Relations Relations - Based on dialogue Conversation method ING OUTCOME	T1,W1,W3			584	1,
17 18 EARN	Relations Relations - Based on dialogue Conversation method ING OUTCOME end of unit, students should be a	T1,W1,W3	470-473		584	1
17 18 EARN t the 6	Relations Relations - Based on dialogue Conversation method ING OUTCOME end of unit, students should be all Describe and Comparison of dial	T1,W1,W3 ole to ogue and puz	470-473		584	1
Blood 17 18 EARN t the 6	Relations Relations - Based on dialogue Conversation method IING OUTCOME end of unit, students should be all Describe and Comparison of dial Analyze and solve the problem of	T1,W1,W3 ole to ogue and puz	470-473		584	17 18
Blood 17 18 EARN at the 6	Relations Relations - Based on dialogue Conversation method ING OUTCOME end of unit, students should be all Describe and Comparison of dial Analyze and solve the problem of	T1,W1,W3 ole to ogue and puz n compound	470-473 zle method interest	BB/PPT	doce gog 2MINAFS	1, 18
17 18 EARN at the 6	Relations Relations - Based on dialogue Conversation method ING OUTCOME end of unit, students should be all Describe and Comparison of dial Analyze and solve the problem of Speed and Distance Introduction and Concepts	T1,W1,W3 ole to ogue and puz n compound T1	zle method interest	BB/PPT BB/PPT	nob goe 2MIVARA	(2) 19
Blood 17 18 EARN at the e	Relations Relations - Based on dialogue Conversation method ING OUTCOME end of unit, students should be all Describe and Comparison of dial Analyze and solve the problem of	T1,W1,W3 ole to ogue and puz n compound	470-473 zle method interest	BB/PPT	doce gog 2MINAFS	1, 18

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.

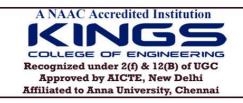
VP/HFA-

Approved by

PRINCIPAL

16 Quantitative Aptitude 6







DEPARTMENT OF TRAINING AND PLACEMENT

SUBJECT: Soft Skills

YEAR : IV

SEMESTER: VII

PREPARED BY

Mr. B. Suresh Babu, AP

Dr. K. Sudhakar, AP







DEPARTMENT OF TRAINING & PLACEMENT SYLLABUS SOFTSKILLS – IV YEAR /SK 07

1. Soft Skills for professionals

4

Creativity- Innovation- collaboration in the work place-problem solving skills- practicing a presentation-Time Management - Stress Management.

2. Self-Management Skills

4

Self-Management skills for work place-sustaining a strong relationship with your manager-Personal accountability, adoptability and initiative at work- practice good manners, Professional manners – Corporate grooming tips.

3. Communication Skills

4

Effective communication for the work place – ways to develop communication - Role of Body Language during interview – presentation skills.

Activity – Testing the Communication skills of the students by providing various activities.

4. Interview Skills

.

Recurrent interview questions- what employers want- approach and effort- do research (self/company)-online interviews - behavioral interviews- concluding the interviews **Activity: Mock interview**

5. Group Discussion

4

Activity: Mock Group Discussion

Total Periods: 20

STAFF IN-CHARGE

VP/HEAD-T&P

KCE/T&P/CP/IV YR/VII/SS

Soft Skills 2







DEPARTMENT OF TRAINING & PLACEMENT COURSE PLAN

Sub. Name/Code: Soft Skills/ SK07 Branch / Year / Sem : B.E (All Branch/IV/VII)

Staff Name: Mr. B. Suresh Babu & Batch : 2018-2022 Mr. K. Sudhakar Academic Year : 2021-22(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
So	oft Skills for professionals					4
1.	Creativity-Innovation- collaboration in the work place	W1		PPT	1	1
2.	problem solving skills- practicing a presentation	W1 T1	42-44	BB, Class Room Exercise	1	2
3.	Time Management	W1 T1	50-52	BB, Class Room Exercise	1	3
4.	Stress Management.	W1 T1	53-54	PPT	1	4

LEARNING OUTCOME

At the end of unit, students should be able to

- Understand the importance of creativity and innovation in professional field.
- Know the skills required in solving the problem
- Analyse the role of time management for professional jobs
- Identify the ways to handle the stress in professional life

Sel	f-Management Skills					4
5.	Self-Management skills for work place-sustaining a strong relationship with your manger	W2		PPT	1	5
6.	Personal accountability, adoptability and initiative at work	W2		PPT, Video	1	6
7.	practicing good manners, Professional manners	Т1	30-32	PPT, Video, BB Class Room Exercise	1	7
8.	Corporate grooming tips.	W2 T1	33-34	PPT, Video, BB Class Room Exercise	1	8

LEARNING OUTCOME

At the end of unit, students should be able to

- Identify the skills needed for self-management and relationship with higher officials
- Understand the concept of accountability, adoptability required for the job.
- Know the corporate grooming tips required for the professional enhancement.

Cor	mmunication Skills					4
9.	Effective communication for the work place	T1	38=39	PPT	1	9
10.	ways to develop communication	T1	40-41	PPT, Video, BB Class Room Exercise	1	10

11. Role of Body Language during interview.	W3	PPT, Video, BB	1	11
12. Activities	Students presentation	Class Room Exercise	1	12

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

Interview Skills		J	•		4
13. A to Z of interview – Types of interview	T1, W3	25-27	PPT	1	13
14. Phone interview, Questions Asked	T1, W3	28-29	PPT, Video, BB, Class Room Exercise	1	14
15. Reason for rejecting the candidate – on the day of interview	T1	78-79	PPT, Video, BB, Class Room Exercise	1	15
16. Dos and Don'ts in interview – Mock interviews	T1	80-82	PPT, Video, BB, Class Room Exercise	1	16

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

Group	Discussion					4
9.	Need and Scope – Characters Tested in a GD	T1	71-72	PPT, Video	1	17
10.	Tips on GD – Types of GD – Skills Required in a GD	W5		PPT, Video, BB, Class Room Exercise	1	18
11.	Behavior in GD – Essential Elements	T1	73-74	PPT, Video, BB, Class Room Exercise	1	19
12.	GD Etiquette – Non-Verbal Communication in A GD.	T1	75-76	PPT, Video, BB, Class Room Exercise	1	20

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

COURSE OUTCOME

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

Choose a best career for better future

MR. B.SURESHBABU

Dr. K. SUDHAKAR

- 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.

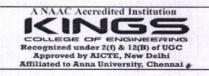
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PRINCIPAL

Soft Skills 6

KCE/T&P/CP/IV YR/VII/SS







DEPARTMENT OF TRAINING & PLACEMENT

COURSE PLAN

Sub. Name: Quantitative Aptitude

Name: Ms P.Suganya

Branch / Year / Sem : B.E (All Branch/IV/VIII)

Batch : 2018-2022

Academic Year : 2021-22(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. 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 - Problems on Numbers, LCM and HCF of Numbers

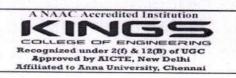
W2. www.indeed.com - Seating Arrangements

W3. www.freshersworld.com - Directions Sense Test

W4. www.testpot.com - Mathematical Operations

W5. www.math4.com - Data Interpretation







DEPARTMENT OF TRAINING & PLACEMENT

SUBJECT: QUANTITATIVE APTITUDE - APO8

YEAR/ SEMESTER: IV /VIII

PREPARED BY
Ms. P.SUGANYA/AP







SYLLABUS

QUANTITATIVE APTITUDE - IV YEAR (Eighth Semester)

Problems on Numbers, HCF & LCM of Numbers – Definition – Types of numbers – Test of divisibility – Introduction, formulae – Shortcut method – Factorization method 2

Seating Arrangements – Definition, condition, Linear arrangements and Circular arrangements 2

Directions Sense Test – Introduction – Directions – Problems solving techniques 2

Mathematical Operations – Introduction, operators and artificial symbols and problems 2

Data Interpretation – Introduction, Bar charts, Pie charts and Table charts 2

Total Periods: 10

STAFF INCHARGE

VP/HEAD 5/31 22

Topic No		Books for Reference	Page No.	Teaching Methodology	No. of Hours Required	Cumulative No. of periods
Prob	ems on Numbers, HCF &	LCM of Numl	bers	ing to the latest and	all the keep	(2)
1.	Definition – Types of numbers – Test of divisibility	T1,W1	1 -15	BB/PPT	1	1
2.	Introduction, formulae – Shortcut method and Factorization method	T1,W1	30 -45	BB/PPT	1	2

At the end of unit, students should be able to Analyze the concept of problems on Numbers

Describe the conditions and its HCF and LCM of Numbers

Sea	ting Arrangements			LP THE SYLLAB	941, NOV. 70.1	(2)
3.	Definition, condition, Linear arrangements	T2,W2	255 -258	BB/PPT	1	3
4.	Circular arrangements	T2	259-265	BB/PPT	1	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

	rections Sense Test					(2)
44.0	Introduction – Directions –Problems solving techniques	T2,W3	416 -418	BB/PPT	1	5
6.	Sample problems	T2,W3	419-440	BB/PPT	24/126	6

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	Topic	Books for Reference	Page No.	Teaching Methodology	No. of Hours Required	Cumulative No. of periods
Mathe	ematical Operations				14 1 1 1 1 1	(2)
7.	Introduction, operators and artificial symbols	T2	569 -570	BB/PPT	1	7
8.	Sample problems	T2,W4	571 -573	BB/PPT	1	8

LEARNING OUTCOME

At the end of unit, students should be able to

- · Describe Mathematical Operations
- Analyze and solve the problems

	a Interpretation					(2
	Introduction, Bar charts,	T1,W5	659 -694	BB/PPT	1	9
10.	Pie charts and Table charts	T1, W5		BB/PPT	1	10

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.

Prepared by

Ms. P. SUGANYA

Verified By

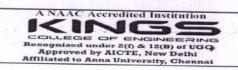
VP/HEAD

J. 1013 2022 Approved by

Approved by **PRINCIPAL**

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SUBJECT: SOFT SKILLS - SS08

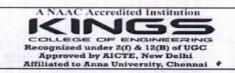
YEAR/SEMESTER: IV/VIII

PREPARED BY

Mr. B. Suresh Babu, AP

Dr. K. Sudhakar, AP







DEPARTMENT OF TRAINING & PLACEMENT SYLLABUS SOFTSKILLS – IV YEAR (Eight Semester)

1. Interview Skills

2

A to Z of interview – Types of interview – Phone interview – Questions Asked – Reason for rejecting the candidate – on the day of interview.

2. Group Discussion

2

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.

3. Career Planning

2

Introduction – Guidelines for choosing a career plan – Tips for successful career planning – Exercise – Test your career interest.

4. Leadership Qualities & Work Culture:

2

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

-

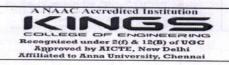
Introduction – Kinds of stress - Sources of stress – Effects of stress – Spotting stress in you – Exercise – Test your level of stress.

Total Periods: 10

STAFF INCHARGE

VP/HEAD







DEPARTMENT OF TRAINING & PLACEMENT

COURSE PLAN

Sub. Name: Soft Skills

Branch / Year / Sem : B.E (All Branch/IV/VII)

Staff Name: Mr. B. Suresh Babu &

Batch : 2018-2022

Dr. K. Sudhakar

Academic Year : 2021-22(EVEN)

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://www.interviewbest.com/member/presentation

W2. http://www.gcflearnfree.org/interviewingskills/

W3. http://study.com/academy/lesson/cultural-diversity-in-the-workplace-definition-trends-examples.html

W4. https://www.mindtools.com/pages/article/newLDR_41.htm

No	Topic	Books for Reference	Page No.	Teaching Methodology	No. of Hours Required	No. of periods
Interv	view Skills	194-36	1.70	1 to 1 to 12	Requireu	2
1.	A to Z of interview – Types of interview – Phone interview	T1, W1	164-168	PPT		1
2.	Questions Asked – Reason for rejecting the candidate – on the day of interview.	T1, W2	169-177	BB, Class Room Exercise	se plane to bro three 1 - the land togic provision	2
	end of unit, students should Understand the concept of i Analyze about skills related Awareness about the reason	nterview. to attend in		idature	estiscula destructul destructul destructula	
Group	Discussion		Text to the	1 Smill 1881 - 273	alk mail	2
3.	Need and Scope – Tips on GD – Types of GD- Skills Required in a GD – Behavior in GD	Т1	147 - 150	PPT		3
4.	Essential Elements – GD Etiquette – Non Verbal Communication in a GD - Characters Tested in a GD.	T1	150 - 151	PPT, Video, BB Class Room Exercise	1	4
At the	end of unit, students should Understand the concept of g	group discus		Siles so carpus	ent to be seen	
•		group discus viors require	ed to attend	d a group discus	sion	2
Caree	Understand the concept of g Identify the skills and behav Ascertain dos and don'ts in	group discus viors require	ed to attend	d a group discus	sion 1	2 5
5.	Understand the concept of g Identify the skills and behave Ascertain dos and don'ts in r Planning Introduction – Guidelines for choosing a career plan, Tips for successful career planning Exercise – Test your career interest. Case Study - Thyrocare's Velumani	group discus viors require group discu	ed to attend ssions	intrologie bie 10 1 olijas skijopiu 10 olijas spores 10 oktobro obes	sion 1	
Caree 5. 6. LEAR	Understand the concept of g Identify the skills and behave Ascertain dos and don'ts in r Planning Introduction – Guidelines for choosing a career plan, Tips for successful career planning Exercise – Test your career interest. Case Study -	group discustriors require group discustriance T1 T1 be able to planning opportunity red for choo	ssions 59 - 62 62 - 63 available i	PPT PPT, BB, Class Room Exercise	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5

8. attitude, perseverance, empathy & etc Work Culture - Introduction to Values - Individual behavior in work placeteam building	T1, W4 W3	100 34 - 40 137 - 145	PPT, Video, BB, Class Room Exercise	1	8
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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.

Stress	Management		venier(a)	Man Market and	birin territa	2
	Introduction – Kinds of stress - Sources of stress	T1, W3	287,239- 240	PPT	1	9
10	Effects of stress – Spotting stress in you – Exercise – Test your level of stress.	T1	238,244- 247	PPT, BB, Class Room Exercise	1 200	10

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

- 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.

Prepared by

Mr. B. SURESHBABU/AP

Dr. K. SUDHAKAR/AP

Verified By

VP/HEAD - T & P

Approved by PRINCIPAL

Soft Skille 5

KCE/T&P/CP/IV YR/SS







ACADEMIC YEAR 2021-2022 ADD ON PROGRAM REPORT

NAME OF THE PROGRAM: ADD ON PROGRAM

NAME OF THE COURSE: SOFT SKILLS / APTITUDE

YEAR/SEM: ALL SECOND YEARS / ODD/EVEN (CIVIL, CSE, ECE, EEE & MECH)

DURATION: 40 HOURS

NUMBER OF STUDENTS BENEFITED: 249

NAME OF THE RESOURCE PERSON: SOFT SKILLS - Dr.K.SUDHAKAR & Mr.B.SURESHBABU

APTITUDE - Dr.B.BARANKUMAR & Ms.P.SUGANYA

The department of training and placement is conducting Soft skills and Aptitude training sessions as a separate Certificate Program along with the regular academic schedule of every semester for all the students of II, III and IV Year. The aim of the program is to enhance the students' potential to match with the industry requirements in interpersonal skills and quantitative aptitude skills such as communication, interview skills, group discussion abilities, problem solving skills, analytical abilities and etc. A separate syllabus and course plan is prepared and distributed branch wise for both ODD and EVEN semester.

For the academic year 2021–2022, ODD/EVEN semester, twenty hours each of soft skills and aptitude sessions were handled as per the syllabus framed by the Department of T&P. Intensive class room activity sessions were planned and involved the students performing on the stage with a view to enhancing their potential. Class room exercises were given to all the students on communication skills, body language, and quantitative skills. We evaluated the students' performance and offered advice based on the results to help them develop their soft skills and quantitative skills so they could succeed in the competitive world.

ASSESSMENT PROCEDURE

- > Class room activities are conducted on communication skills, body language and good manners.
- Quantitative aptitude test conducted on various topics problems on numbers, simplification, permutation and combination, probability and odd man out serious.

OUTCOME OF THE PROGRAM

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

- Develop their positive attitude
- Understand and apply the values needed in their career
- Facing challenges in the competitive world.
- Awareness about the concept and formulae for various quantitative aptitude methods.
- > Enough confidence and knowledge on approaching aptitude.

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ACADEMIC YEAR 2021-2022 ADD ON PROGRAM REPORT

NAME OF THE PROGRAM: ADD ON PROGRAM

NAME OF THE COURSE: SOFT SKILLS / APTITUDE

YEAR/SEM: ALL THIRD YEAR / ODD/EVEN (CIVIL, CSE, ECE, EEE MECH)

DURATION: 30 HOURS

NUMBER OF STUDENTS BENEFITED: 164

NAME OF THE RESOURCE PERSON: SOFT SKILLS - Dr.K.SUDHAKAR & Mr.B.SURESHBABU

APTITUDE - Dr.B.BARANKUMAR & Ms.P.SUGANYA

The department of training and placement is conducting Soft skills and Aptitude training sessions as a separate Certificate Program along with the regular academic schedules of every semester for all the students of II, III and IV Year. The aim of the program is to enhance the students' potential to match with the industry requirements in interpersonal skills and quantitative aptitude skills such as communication, interview skills, group discussion abilities, problem solving skills, analytical abilities and etc. A separate syllabus and course plan is prepared and distributed branch wise for both ODD and EVEN semester.

For the academic year 2021–2022, ODD/EVEN semester, twenty hours each of soft skills and aptitude sessions were handled as per the syllabus framed by the Department of T&P. Intensive class room activity sessions were planned and involved the students performing on the stage with a view to enhancing their potential. Class room exercises were given to all the students on communication skills, body language, and quantitative skills. We evaluated the students' performance and offered advice based on the results to help them develop their soft skills and quantitative skills so they could succeed in the competitive world.

ASSESSMENT PROCEDURE

- Communication skills, body language, and team building activities are taught on a regular basis in the classroom.
- Quantitative aptitude test conducted on various topics data interpretation, percentage, number series, arithmetic aptitude, profit and loss, simple and compound interest and age problems.

OUTCOME OF THE PROGRAM

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

- Understand better about the career prospects for their discipline.
- Understand and utilize the interpersonal skills learnt in future endeavors.
- > Obtain the guts and abilities required to succeed in group conversations.
- Awareness about the role of stress management for the self development.

VP/HEAD-T&P

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ACADEMIC YEAR 2021-2022 ADD ON PROGRAM REPORT

NAME OF THE PROGRAM: ADD ON PROGRAM

NAME OF THE COURSE: SOFT SKILLS / APTITUDE

YEAR/SEM: ALL FINAL YEAR / ODD/EVEN (CIVIL, CSE, ECE, EEE MECH)

DURATION: 40 HOURS

NUMBER OF STUDENTS BENEFITED: 182

NAME OF THE RESOURCE PERSON: SOFT SKILLS - Dr.K.SUDHAKAR & Mr.B.SURESHBABU

APTITUDE - Dr.B.BARANKUMAR & Ms.P.SUGANYA

The department of training and placement is conducting Soft skills and Aptitude training sessions as a separate Certificate Program along with the regular academic schedules of every semester for all the students of II, III and IV Year. The aim of the program is to enhance the students' potential to match with the industry requirements in interpersonal skills and quantitative aptitude skills such as communication, interview skills, group discussion abilities, problem solving skills, analytical abilities and etc. A separate syllabus and course plan is prepared and distributed branch wise for both ODD and EVEN semester.

For the academic year 2021–2022, ODD/EVEN semester, twenty hours each of soft skills and aptitude sessions were handled as per the syllabus framed by the Department of T&P. Intensive class room activity sessions were planned and involved the students performing on the stage with a view to enhancing their potential. Class room exercises, were given to all the students on communication skills, body language, and quantitative skills and also mock interview and mock GD were conducted. We evaluated the students' performance and offered advice based on the results to help them develop their soft skills and quantitative skills so they could succeed in the competitive world.

Additionally, the final year students will undergo a week-long intensive training program on aptitude, soft skills, and technical skills as well as campus interviews. Efforts are made to ensure that students join the companies in time to benefit both the company and the students.

ASSESSMENT PROCEDURE

- > Frequent Assessment tests are conducted on communication skills, body language and interview skills
- Mock Interview and Group discussion are conducted for the final year students
- Quantitative aptitude test conducted on various topics data interpretation, percentage, number series, arithmetic aptitude, profit and loss, simple and compound interest and age problems.

OUTCOME OF THE PROGRAM

- Learn more about their discipline's job opportunities.
- Understand and implement interview techniques.
- Identify and apply the skills needed to navigate group conversations.
- Acquire good positions in core companies.
- Enough self-assurance and knowledge to foster a more positive workplace culture.

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FREE OPEN SOURCE SOFTWARE (FOSS) TRAINING COURSES

IN ASSOCIATION WITH IITB SPOKEN TUTORIAL

ORGANIZED DURING THE YEAR 2021-22







INTERNAL QUALITY ASSURANCE CELL SPOKEN TUTORIAL WORKSHOP ON FOSS IN ASSOCIATION WITH IITB-EXECUTION STATUS

2021-22 (ODD)

S.No	Software Course	Department	Participant count
1	Latex	Civil	21
2	Inkscape	Civil	18
3	Drupal	CSE	45
4	Java	CSE	48
5	Latex	EEE	8
6	Inkscape	EEE	8
7	Inkscape	ECE	35
8	Latex	Mech	60
9	OpenFOAM	Mech	40
			=283

Total number of Titles

09

Total number of Students participated

283

2021-22 (EVEN)

S.No	Software Course	Department	Participant count
1	QCAD	Civil	24
2	Linux	CSE	62
3	Scilab	ECE	44
4	Inkscape	EEE	38
5	Scilab	Mech	40
6	Blender	Civil	18
7	Latex	CSE	45
8	Blender	CSE	48
9	PhP and MySQL	CSE	63
10	GIMP	Civil	24
11	eSim	ECE	33
12	Latex	ECE	35
13	GIMP	ECE	44
14	eSim	EEE	38
15	Python	Mech	60
16	Blender	Mech	40
17	GIMP	Mech	64
18	FDP - Moodle	Staff	
	Management System	Members(all	
	9000A 100Vib	departments)	

Total number of Titles

18

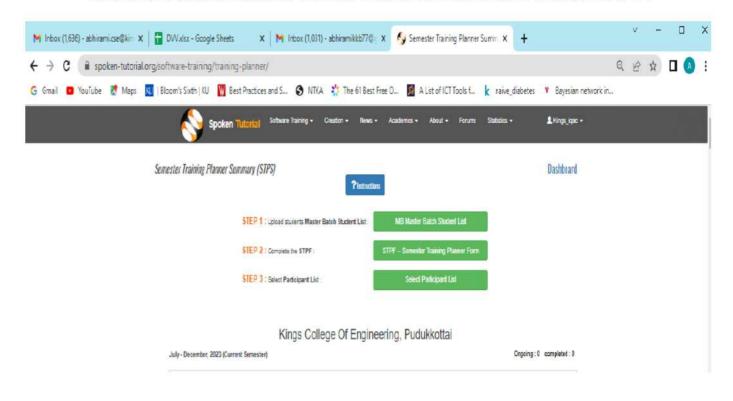
Total number of Students participated

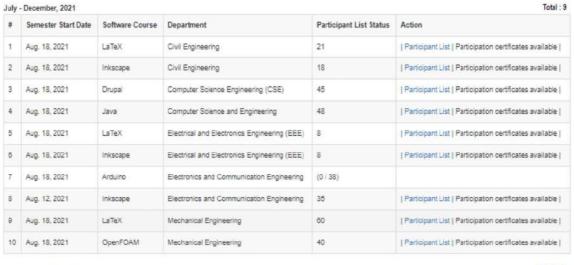
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SPOKEN TUTORIAL WORKSHOP ON FOSS-SCREEN SHOT FROM IITB PORTAL-2021-22





Janu	uary - June, 2022				Total: 23
#	Semester Start Date	Software Course	Department	Participant List Status	Action
1	Jan. 3, 2022	Computer Applications - Moodle Learning Management System	Faculty Development Programs (FDPs) (PMMMNMTT)	9	Participant List Participation oertificates available
2	Jan. 3, 2022	Computer Applications - Moodle Learning Management System	Faculty Development Programs (FDPs) (PMMNNMTT)	13	Participant List Participation certificates available
3	Feb. 26, 2022	Computer Applications - Moodle Learning Management System	Faculty Development Programs (FDPs) (PMMMNMTT)	17	Participant List Participation certificates available
4	Jan. 3, 2022	Computer Applications - Moodle Learning Management System	Faculty Development Programs (FDPs) (PMMMNMTT)	8	Participant List Participation Activate V Control Setting

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	6 Jan. 3. 2022	Computer Applications - Moodle Learning Management System	Faculty Development Programs (FEPs) (PMMMNMTT)	23	Participant List Participation certificates available	
	7 March 18, 2022	QCad	Civil Engineering	24	Participant List Participation certificates available	
	8 March 16, 2022	Linux	Computer Science and Engineering	62	Participant List Participation certificates available	
	 March 16, 2022 	Selab	Electronics and Communication Engineering	44	Participant List Participation sertificates available	
	10 March 16, 2022	Inkerspe	Flantical and Flantinnine Engineering (EEE)	22	Participant List Participation pertificates available	
	11 March 16, 2022	Selab	Mechanical Engineering	40	Participant List Participation pertificates available	
	12 Feb. 16, 2022	Blender	Civil Engineering	(0 / 27)		
	13 Feb. 16, 2022	Blender	Civil Engineering	13	Participant List Participation sertificates evaluable	
	14 Feb. 16, 2022	LaTeX	Civil Engineering	(0./ 27)		
	15 Feb. 16, 2022	GMP	Civil Engineering	(0 / 27)		
	16 Feb. 16, 2022	LaTeX	Computer Science Engineering (CSE)	45	Participant List Participation pertificates available	
	17 Feb. 16, 2022	Blender	Computer Science and Engineering	48	Participant List Participation certificates available	
	15 Pec. 10, 2022	FHF and MySGL	Computer Science and Engineering	05	Farticipant List. Farticipation certificates available.	
	19 Feb. 16, 2022	GMP	Civil Engineering	24	Participant List Participation certificates available	
	20 Feb. 16, 2022	eSm	Electronias and Communication Engineering	33	Participant List Participation certificates available	Activate Windows Go to Settings to activate Windows.
	21 Feb. 16, 2022	LaTeX	Electronics and Communication Engineering	35	Participant List Participation	

1QAC Coordinator 21/4/22

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