





DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

5.1.3 CAPABILITY ENRICHMENT PROGRAMME DETAILS









Department of Electronics and Communication Engineering CAPABILITY ENRICHMENT PROGRAMME DETAILS

S.No	Name of the capability enhancement program	Date of implementati on (DD-MM-YYYY)	Number of students enrolled	Name of the agencies/consultants involved with contact details(if any)	Website Link
			2020 - 2021		
1.	Webinar on "Composite Materials for Automotive	01.06.2021	78	IEEE MADRAS section students branch IEEE STB	https://kingseng g.edu.in/events
2.	Webinar on "The role of Internet of Things (IOT) in	27.05.2021	72	IEEE MADRAS section students branch IEEE STB	https://kingseng g.edu.in/events
3.	KINGS SCIENCE EXPO – 2021	09.04.2021	56	IEEE MADRAS section students branch IEEE STB	https://kingseng g.edu.in/events
4.	Webinar on "Fundamentals of Antenna and its Design tools"	27.02.2021	65	IEEE MADRAS section students branch IEEE STB 16624	https://kingseng g.edu.in/events report/ECE/27.
5.	Webinar on "Fundamentals of VLSI	11.03.2021	45	IEEE MADRAS section students branch IEEE STB	https://kingseng g.edu.in/events
6.	Technical Quiz on "Linear Integrated Circuits"	13.03.2021	63	IEEE MADRAS section students branch IEEE STB	http://www.kin gsengg.edu.in/e
7.	National Level Technical eSymposium e-Blast 2k20	1/10/2020	33	IEEE MADRAS section students branch IEEE STB	https://kingseng g.edu.in/events
8.	International Webinar on "Amazon Web Services	29.06.2020	297	IEEE MADRAS section students branch IEEE STB	https://kingseng g.edu.in/events
9.	Webinar on "FSOC: Design Challenges"	19.06.2020	227	IEEE MADRAS section students branch IEEE STB	https://kingseng g.edu.in/events
10.	Mini Project Expo - 2020	17.06.2020	18	IEEE MADRAS section students branch IEEE STB	https://kingseng g.edu.in/events
11.	Webinar on "Antennas for health care Application".	10.06.2020	135	IEEE MADRAS section students branch IEEE STB	https://kingseng g.edu.in/events

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12.	Three Days Webinar on	08.06.2020-		IEEE MADRAS section	https://kingseng
	"Embedded and Real time	10.06.202		students branch IEEE STB	g.edu.in/events
13.	Webinar on "Modern	06.06.2020	141	IEEE MADRAS section	https://kingseng
	Antenna Design			students branch IEEE STB	g.edu.in/events
14.	Webinar on "AGILE	01.06.2020	125	IEEE MADRAS section	https://kingseng
	Methodology"	01.00.2020	123	students branch IEEE STB	g.edu.in/events
15.	Online Quiz program on	28.05.2020-	290	IEEE MADRAS section	https://kingseng
	"General Awareness"	31.05.2020	250	students branch IEEE STB	g.edu.in/events
16.	Webinar on "Research	27.05.2020	152	IEEE MADRAS section	https://kingseng
	Trends in Multirate Signal	27.03.2020	132	students branch IEEE STB	g.edu.in/events
17.	Webinar on "Overview of	27.05.2020	300	IEEE MADRAS section	https://kingseng
	Machine Learning, Deep	27.03.2020	300	students branch IEEE STB	g.edu.in/events
18.	Webinar on "Accelerate	20.05.2020	130	IEEE MADRAS section	https://kingseng
	Your Internet of Things	20.03.2020	130	students branch IEEE STB	g.edu.in/events
19.	Webinar on "Design of	12.05.2020	96	IEEE MADRAS section	https://kingseng
	Solar PV System for	12.05.2020	90	students branch IEEE STB	g.edu.in/events
20.	National Conference on	15 02 2021	06	IEEE MADRAS section	https://kingseng
	"Advancement in	15.03.2021	86	students branch IEEE STB	g.edu.in/events
21.	ГОША	10.00.20	100	ISTE STUDENTS	https://kingseng
	E-QUIZ	19.09.20	100	CHAPTER-TN217	g.edu.in/events
22.	Webinar on Security	10.04.21	206	ISTE STUDENTS	https://kingseng
	Features in IOT Devices	10.04.21	206	CHAPTER-TN217	g.edu.in/events
			2019 - 2020)	
		Date of		Name of the	
S.No	Name of the capability enhancement program	implementati on (DD-MM- YYYY)	Number of students enrolled	agencies/consultants involved with contact details(if any)	Website Link
1.	Entrepreneur training	08.02.2019	48	IEI(ECE) Students	https://kingseng
	program on"CCTV	00.02.2017	10	Chapter	g.edu.in/events
2.	Workshop on Java	26.02.2019	32	IEI(ECE) Students	https://kingseng
	programming	20.02.2019	32	Chapter	g.edu.in/events
3.	National Conference on	13.03.2020	126	IEEE MADRAS section	https://kingseng
	Emerging Trends in	13.03.2020	120	students branch IEEE STB	g.edu.in/events
4.	Workshop on Higher	06.03.2020	86	IEEE MADRAS section	https://kingseng
	education & role of	00.03.2020	00	students branch IEEE STB	g.edu.in/events
5.	Guest Lecture on	15.02.2020	142	IEEE MADRAS section	https://kingseng
	"Wireless	13.02.2020	172	students branch IEEE STB	g.edu.in/events
6.	Workshop on" Machine	14.02.2020	45	IEEE MADRAS section	https://kingseng
		14.02.2020	43		
	Learning Using Python."	1110212020		students branch IEEE STB	g.edu.in/events
7.	Learning Using Python." Guest Lecture on "Recent		45	IEEE MADRAS section	<u>g.edu.in/events</u> <u>https://kingseng</u>
7.	=	24.08.2019	45		

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9.	Workshop on "Biomedical	27.02.2019 To	69	IEEE MADRAS section	https://kingseng
	Interventions"	28.02.2019	0)	students branch IEEE STB	g.edu.in/events
10.	Embedded System and	21.02.2019	84	IEEE MADRAS section	http://www.kin
	Internet of Things	21.02.2019	01	students branch IEEE STB	gsengg.edu.in/e
11.	Workshop on	20.02.2019	56	IEEE MADRAS section	http://www.kin
	Microelectronics and VLSI	2010212017	30	students branch IEEE STB	gsengg.edu.in/e
12.	National Level Technical	20.09.2018	79	IEEE MADRAS section	https://kingseng
	Symposium	2010 712010	, ,	students branch IEEE STB	g.edu.in/events
13.	Workshop on "CCTV"	08.02.2019	48	IEEE MADRAS section	https://kingseng
	-	00.02.2017	10	students branch IEEE STB	g.edu.in/events
14.	Workshop on "Printed	12.01.2019	60	IEEE MADRAS section	https://kingseng
	Circuit Board Design"			students branch IEEE STB	g.edu.in/events
15.	Guest Lecture on Research	02.02.2019	50	IEEE MADRAS section	https://kingseng
	Opportunities			students branch IEEE STB	g.edu.in/events
16.	Guest Lecture on	01.02.2019	30	IEEE MADRAS section	https://kingseng
	"Biomedical Image			students branch IEEE STB	g.edu.in/events
17.	Labview on "Graphical	12.09.2018	60	IEEE MADRAS section	https://kingseng
	Development - Hands on			students branch IEEE STB	g.edu.in/events
18.	One day Workshop on	25.08.2018	23	IEEE MADRAS section	https://kingseng
	Web App Development	20.00.2010		students branch IEEE STB	g.edu.in/events
19.	Paper Presentation	11.08.18	10	ISTE STUDENTS	https://kingseng
	- up			CHAPTER-TN217	g.edu.in/events
20.	Mono Acting	07.02.19	32	ISTE STUDENTS	https://kingseng
		3		CHAPTER-TN217	g.edu.in/events
			2017 - 2018	R	

2017 - 2018

S.No	Name of the capability enhancement program	Date of implementati on (DD-MM-YYYY)	Number of students enrolled	Name of the agencies/consultants involved with contact details(if any)	Website Link
1.	guest lecture titled "Solar Powered Inverters"	21.7.2017	30	IETE Students Forum	https://kingseng g.edu.in/events
2.	National workshop on CAD for VLSI	09.03.2018	41	IEEE MADRAS section students branch IEEE STB	https://kingseng g.edu.in/events
3.	One day Workshop on Internet of Things using	20.03.2018	84	IEEE MADRAS section students branch IEEE STB	https://kingseng g.edu.in/events
4.	Project level Training on Electronics system design	28.02.2018	62	IEEE MADRAS section students branch IEEE STB	https://kingseng g.edu.in/events
5.	One day Workshop on Art of Writing a Paper	29.01.2018	46	IEEE MADRAS section students branch IEEE STB	https://kingseng g.edu.in/events

6.	National level Technical	02.09.2017	70	IEEE MADRAS section	https://kingseng
	Symposium e-Blast	02.09.2017	70	students branch IEEE STB	g.edu.in/events
7.	Cube Game	06.02.18	24	ISTE STUDENTS	https://kingseng
	Gube dame	00.02.10	21	CHAPTER-TN217	g.edu.in/events
			2016 - 2017		
S.No	Name of the capability enhancement program	Date of implementati on (DD-MM-YYYY)	Number of students enrolled	Name of the agencies/consultants involved with contact details(if any)	Website Link
1.	PROJECT EXHIBHITION	11.03.2016	47	IETE Students Forum	http://www.kin gsengg.edu.in/e
2.	GUEST LECTURE ON IMAGE SECURITY	22.07.2016	47	IETE Students Forum	https://www.kin gsengg.edu.in/e
3.	Guest lecture on Digital Image Preocessing	17.03.2017	47	IETE Students Forum	https://www.kin gsengg.edu.in/e
4.	TECHNICAL QUIZ COMPETITION	16.07.2016	26	IETE Students Forum	https://kingseng g.edu.in/events
5.	National Conference on Signal Processing and	28.12.2016	80	IEEE MADRAS section students branch IEEE STB	https://www.kin gsengg.edu.in/e
6.	National Level Technical Symposium eBlast'16	17-09-2016	94	IEEE MADRAS section students branch IEEE STB	https://www.kin gsengg.edu.in/e
7.	Intra Departmental Paper Presentation	12.09.2016	25	IEEE MADRAS section students branch IEEE STB	https://www.kin gsengg.edu.in/e
8.	Intra Departmental Paper Presentation	19-08-2016	32	IEEE MADRAS section students branch IEEE STB	https://www.kin gsengg.edu.in/e
9.	Workshop on Embedded Real-Time Operating	29.07.2016	124	IEEE MADRAS section students branch IEEE STB	https://kingseng g.edu.in/events
10.	Paper Presentation	27.07.16	10	ISTE STUDENTS CHAPTER-TN217	https://kingseng g.edu.in/events
11.	Cross word	11.01.17	54	ISTE STUDENTS CHAPTER-TN217	https://kingseng g.edu.in/events









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Punalkulam, Gandarvakottai Taluk, Pudukkottai District – 613 303.

A REPORT

ON WEBINAR TITLED

"COMPOSITE MATERIALS FOR AUTOMOTIVE APPLICATIONS & FLEXIBLE ELECTRONICS"

01st JUNE 2021



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: <u>www.kingsindia.net</u>

A Glimpse on the Background of Webinar:

Department of Electronics and Communication Engineering, organized a webinar on "COMPOSITE MATERIALS FOR AUTOMOTIVE APPLICATIONS & FLEXIBLE ELECTRONICS" on 01st June 2021, from 11.00 p.m. to 12.00 Noon.

The main objective of this webinar is to provide basic knowledge on the composite material and flexible electronics materials.

Under the guidance of our Principal, Dr. J. Arputha Vijaya Selvi, we hosted this webinar. Mrs. N.Mangaiyarkarasi, HOD/ECE was the convener of our webinar. Dr.T.Shanthi, Associate Professor /ECE, Mr.R.Thandayuthapani, AP/ECE were the program coordinators.

OVERVIEW OF THE WEBINAR:

ABOUT THE RESOURCE PERSON:

The resource person for the webinar was Mr.A.Senthil Kumar, Project Scientist, Indian Institute of Technology, Chennai.

ABOUT THE IMPORTANT COMMUNICATION LINK'S

- **REGISTRATION LINK**: https://tinyurl.com/webflexibleelec
- > **YOU TUBE LINK** : https://youtu.be/5pJSrZO50gc
- ➤ **GOOGLE MEET LINK**: https://meet.google.com/wfu-muuy-rdc
- FEEDBACK LINK : https://tinyurl.com/fbflexibleElec

ABOUT THE REGISTRATION PROCESS:

The webinar was organized via Google Meet platform and also live streamed in YouTube channel. The registration link was shared to participants through various WhatsApp groups and Gmail. We received responses from various institutions and also from internal participants. Confirmation mail along with YouTube link was sent to all the registered participants of the webinar.

ABOUT THE WEBINAR:

- ✓ The webinar started by 11.00 p.m.
- ✓ Dr.T.Shanthi, Associate Professor /ECE coordinator of the webinar welcomed the resource person and the participants.
- ✓ Mr.R.Thandayuthapani, AP/ECE coordinator of the webinar introduced the resource person.
- ✓ Resource person gave very clear explanation on the "COMPOSITE MATERIALS FOR AUTOMOTIVE APPLICATIONS & FLEXIBLE ELECTRONICS" through the following subtopics:
 - ❖ Moto of the webinar is conversion from waste material to useful one
 - Make in India
 - ❖ Motivate the students for research
 - Composite material for automotive applications.
 - Classification of Natural fibers
 - Structure and properties of composite materials
 - Geometry and Orientation of the fibers in the composite
 - Surface modification of Natural fibers
 - Drawbacks of Natural fiber composite
 - Nano composite
 - Flexible Electronics
 - Conductive Nanomaterial for Printed Electronics
 - ❖ Nano material requirements and challenges
 - ❖ Conductive ink and Pen
 - Conductive inject ink is multicomponent system
 - Conductive ink: Join the IoT revolution with innovative and flexible applications
 - Circuits demo
- ✓ Finally he gave tips regarding useful certification and non certification courses and also shared the link. The queries posted in the YouTube chat box by the participants were clarified. Feedback link was posted in the chat box. Mr.R.Thandayuthapani, AP/ECE, proposed vote of thanks. Programme was technically supported by Mr. J. Niranjan Samuel, JRF/R&D.

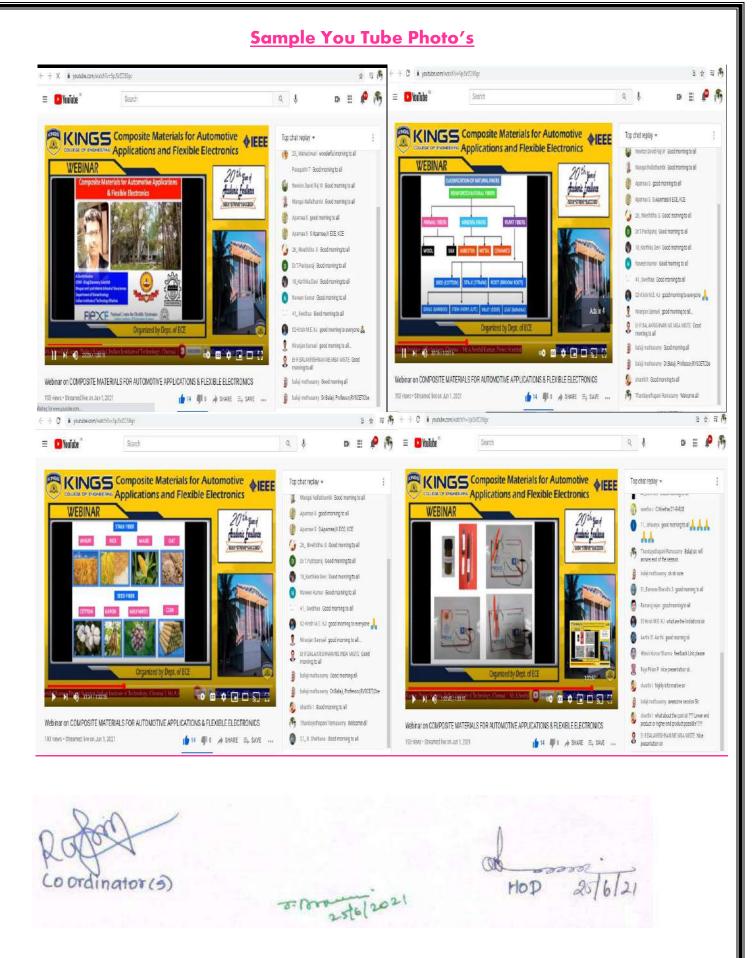
OUTCOME:

✓ We received 100 registrations from various institutions.

- Among the 100 registered participants nearly 75 have attended the session.
- ✓ All the 75 participants gave the feedback about the webinar via the Feedback Link.
- ✓ The E-Certificate was provided to all the attendees through their E-mail Id.

BROCHURE













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Punalkulam, Gandarvakottal Taluk, Pudukkottal District - 613 303.

A REPORT

ON WEBINAR TITLED

"THE ROLE OF INTERNET OF THINGS (IoT) in Current Pandemic of COVID-19"

27th MAY 2021



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

A Glimpse on the Background of Webinar:

Department of Electronics and Communication Engineering, organized a webinar on "THE ROLE OF INTERNET OF THINGS (IOT) IN CURRENT PANDEMIC OF COVID-19" on 27th May 2021, from 03.00 p.m. to 04.00 p.m.

The main objective of this webinar is to provide basic knowledge on the role of internet of things (IoT) in current pandemic circumstances.

Under the guidance of our Principal, Dr. J. Arputha Vijaya Selvi, we hosted this webinar. Mrs. N.Mangaiyarkarasi, HOD/ECE was the convener of our webinar. Mr.W.Newton David Raj, AP/ECE, Mr.J.Niranjan Samuel, JRF/R&D were the program coordinators.

OVERVIEW OF THE WEBINAR:

ABOUT THE RESOURCE PERSON:

The resource person for the webinar was Dr.JOE LOUIS PAUL, Associate Professor, Department of Information and Technology, SSN College of Engineering, Chennai.

ABOUT THE IMPORTANT COMMUNICATION LINK'S

- REGISTRATION LINK: https://forms.gle/EV39gymwvsvkjQJK6
- > YOU TUBE LINK : https://youtu.be/YcYjGNjH5fl
- ➤ GOOGLE MEET LINK :meet.google.com/aee-yqrn-rnb
- FEEDBACK LINK: https://tinyurl.com/FB-RoleofIOT27-5

ABOUT THE REGISTRATION PROCESS:

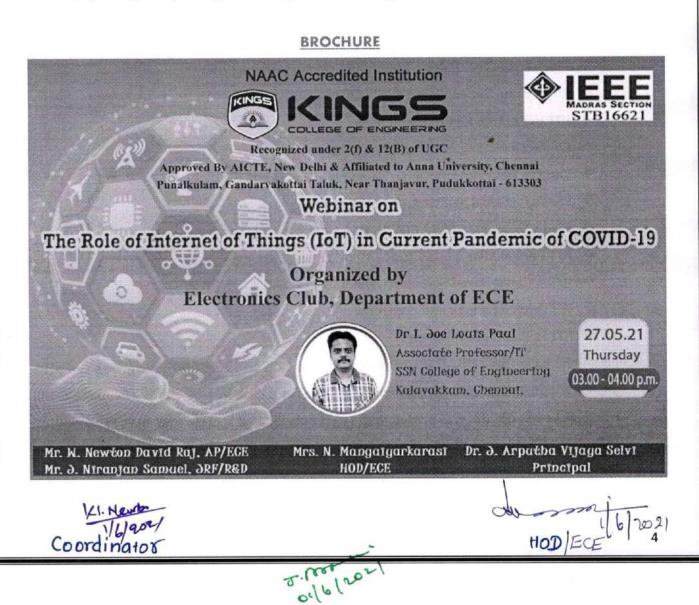
The webinar was organized via Google Meet platform and also live streamed in YouTube channel. The registration link was shared to participants through various WhatsApp groups and Gmail. We received responses from various institutions and also from internal participants. Confirmation mail along with YouTube link was sent to all the registered participants of the webinar.

ABOUT THE WEBINAR:

- ✓ The webinar started by 3.00 p.m.
- ✓ Ms.M.Keerthika, Student coordinator, Electronics Club (III ECE) welcomed the resource person and the participants.
- ✓ Mr.W.Newton David Raj, AP/ECE coordinator of the webinar introduced the resource person.
- ✓ Resource person gave very clear explanation on the "THE ROLE OF INTERNET OF THINGS (IOT) IN CURRENT PANDEMIC OF COVID-19 " through the following subtopics:
 - COVID-19
 - Transmission of COVID-19
 - Digital Transformation in Health & Social Care.
 - Digital Transformation Roadmap
 - Artificial Intelligence(AI)-Precision Diagnostics
 - Artificial Intelligence(AI)-Drugs Discovery
 - Block chain Technology-Electronics Health Record(EHR)
 - . Block chain Technology-Supply Chain
 - IOT in Remote Health Monitoring
 - Contact Tracking Architecture
 - Vaccine Distribution-Global Shipping Infrastructure
 - FSAI's Personal Sanitization Solutions
 - FSAI's Support to Fight COVID-19
 - IOT Perspective
 - IOT & Cloud Based Screening Systems
 - IOT Asset Tracking and Control
 - IOT in Patient Monitoring
- ✓ Finally he gave tips regarding useful certification and non certification courses and also shared the link. The queries posted in the YouTube chat box by the participants were clarified. Feedback link was posted in the chat box. Finally, Ms.G.Latchayasri, Student Vice President, Electronics Club proposed vote of thanks. Programme was coordinated by Mr. J. Niranjan Samuel, JRF/R&D.

OUTCOME:

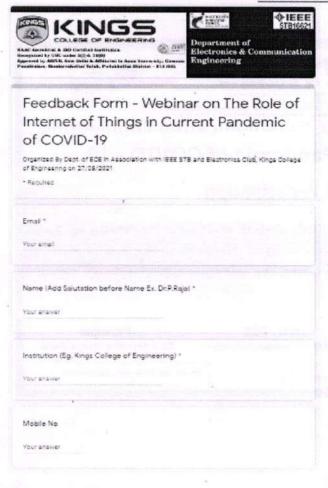
- ✓ Paricipants were able to understand building blocks of Internet of Things and characteristics.
- ✓ Webinar provided an overview of Cloud based Screening system, Internet in Mobile Devices & Sensor Networks.
- ✓ Participants also enlighten their mind on Industry 4.0, IIoT smart manufacturing.
- ✓ Project skills of the second and third year students were developed through the webinar. They explored to the interconnection and integration of the physical world and the cyber space. The webinar was a eye opener to design & develop projects/products using IoT in drug delivery and IoT Devices.
- ✓ Through the webinar participants gained knowledge on the role of IOT in handling the COVID drug transit and the monitoring the affected patients.
- ✓ The E-Certificate was provided to all the attendees through their E-mail Id.
- √ 99 participants participated and gained knowledge.



Registration Form

Webinar - Role of IoT in Current Pande Questions Responses (2)	Name of the Participant Short-answer text	Institution (Kings College of Engineering) Kings College of Engineering
Webinar - Role of IoT in Current Pandemic	Designation *	O other.
of COVID-19 Join our WhatsApp for updates https://chat.whatsapp.com/LBQDOI7QqC6E6fJI oHQq3s	Faculty Technical staff UG - Student	Email Id * Short-answer text
Salutation *	O PG - Student	Contact number (WhatsApp) *
Mr.	Institution (Kings College of * Engineering)	Short-answer text
O Dr.	Kings College of Engineering Other	Promo video

Feedback Form



	Average	Good	Very Good	Excellent
Audio & Video quality	0	0	0	0
Speed of reaponae	0,	0	0	. 0
Politow up 4	0	0	0	0
iow ald you fing t	the presentation	and content		
	Average	Good	Very Good	Excellent
Related to the topic	0	0	0	0
Clerity	0	0	0	0
Response to the guestion	0	0	0	0
re you interested) Yes) No	á in participating) in future web	pinare "	
ny other comme	ints "			

Sample Certificates

Cert. No :WZOEZO-CE000013

: 27-5-2021





Department of Electronics and Communication Engineering

Role of IoT in Current Pandemic of COVID - 19

Certificate of Participation

This is to certify that Mr. K.Sudarsanan, Kings college of Engineering pudukkottai, has participated in the Webinar on "Role of IoT in Current Pandemic of COVID - 19", organized by Department of ECE in Association with IEEE STB and Electronics Club, Kings College of Engineering, Pudukkottal, on 27-05-2021.

Co-ordinator Mr.J.Niranjan Samuel Mr.W.Newton David Raj

Co-ordinator

HOD / ECE Mrs.N.Mangaiyarkarasi

Principal Dr.J.Arputha Vijaya Selvi

This is electronically generated certificate and does not need any signature

Made for free with Certify'em

Cert. No :WZOEZO-CE000005

Date : 27-5-2021

CERT **∲IEEE** STB16621

Department of Electronics and Communication Engineering

Role of IoT in Current Pandemic of COVID - 19 **Certificate of Participation**

This is to certify that Mr.W.Newton David Raj, Kings College of Engineering, Punalkulam, has participated in the online Webinar on "Role of IoT in Current Pandemic of COVID - 19". organized by Department of ECE in Association with IEEE STB and Electronics Club, Kings College of Engineering, Pudukkottai, on 27-05-2021.

Co-ordinator Mr.J.Niranjan Samuel

Co-ordinator Mr.W.Newton David Raj

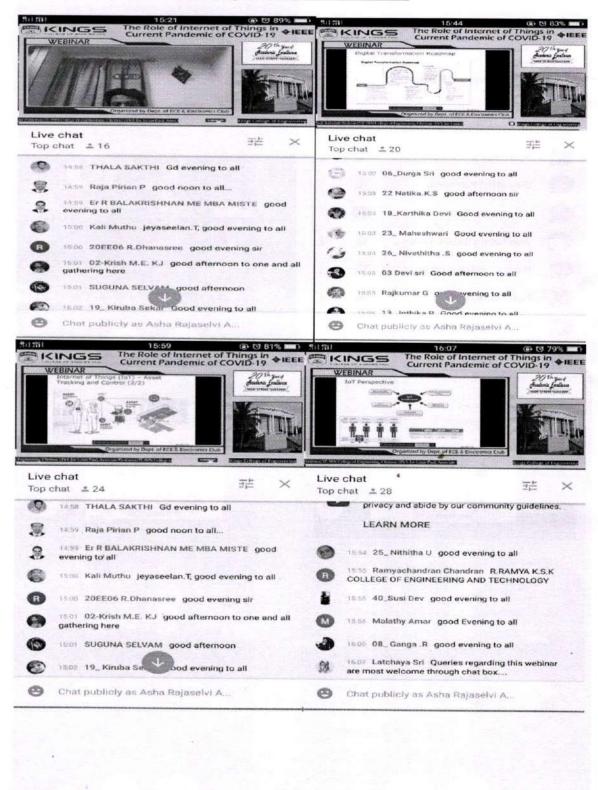
HOD / ECE Mrs.N.Mangaiyarkarasi

Principal Dr.J.Arputha Vijaya Selvi

This is electronically generated certificate and does not need any signature

Made for free with Certify'em

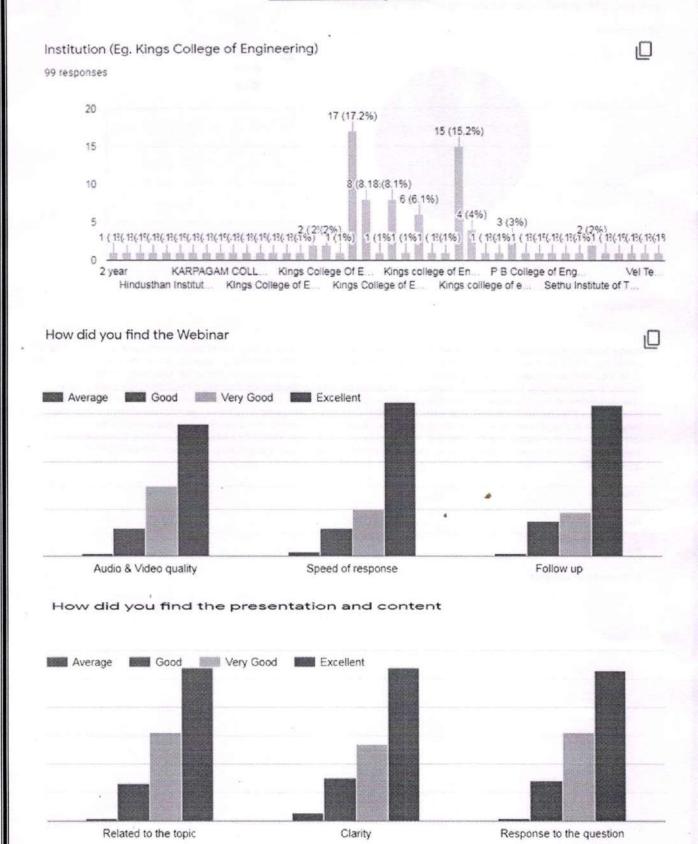
Sample You Tube Photo's



Sample Google Meet Photo's

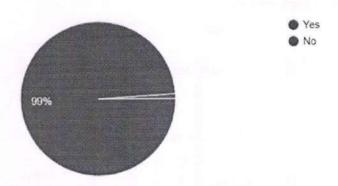


Feedback Response



Are you interested in participating in future webinars

99 responses



Any other comments

99 responses

Participation for Progress! Excellent Presentation is Made in this 1 Day on National Webinar Entitled Topic on Role of IoT in Current Pandemic of COVID-19' on 27-05-2021, the Host Speaker Prof. Dr.I.Joe Louis Paul With His Brilliant Talks By Using His Exceptional PPTs. This International Webinar Training Program is Really Useful; Highly Productive. Immense Thanks to All the Resource Speaker Prof. Dr.I.Joe Louis Paul /Department of Information Technology-DoIT / SSN College of Engineering- Chennai & Huge Thanks to Organizers Electronics Club-Department of E C E / Kings College of Engineering- Punalkulam for having Organized & Conducted this Wonderful Insights Webinar Towards the Preeminent Awareness on "Role of IoT in Current Pandemic of COVID-19". This Comment is From: +Prof. Dr.I. Manavalan/ HSE Consultant Advisor/ Tiruchirappalli /Tamilnadu/ India/ Contact Mobile Cum What'sApp Number: 09442288921/ Date: 27-05-2021.

Excellent

Nice

no

Informative session

Chief Guest Profile

Dr. I. Joe Louis Paul B.E., M.E., Ph.D.

Associate Professor

Email: joelouisi@ssn.edu.in

Extn: 368

Sri Sivasubramaniya Nadar (SSN) College of Engineering

Rajiv Gandhi Salai (OMR) Kalavakkam – 603 110 Tamil Nadu, India

I. Joe Louis Paul has more than 21 years of teaching experience and 13 years of research experience. He received his B.E (EEE) degree with a first class from Karunya Institute of Technology, Coimbatore, Bharathiar University, M.E. (CSE) degree with a first class with distinction from Mepco Schlenk Engineering College, Sivakasi, Madurai Kamaraj University and Ph.D. degree from Anna University Chennai in the area of error control coding.

Academic Experience

He started his career as a lecturer in the Department of EEE, Alagappa Chettiar Government College of Engineering and Technology, Karaikudi in the year 1998. After earning his masters, he joined as a lecturer in the Department of IT, Mepco Schlenk Engineering College, Sivakasi in the year 2002. Then, he joined SSN College of Engineering in the year 2005 and he is currently working as an Associate Professor in the Department of IT. He has organized/attended many externally/internally funded Conferences /Workshops / Seminars/Guest Lectures at National and International level.

Subjects Taught

He has taught the courses like Computer Architecture, Wireless Communication, Mobile Computing, Mobile Communication, Principles of Compiler Design, Information Theory and Coding, Operating Systems, Information Coding Techniques, Visual Programming, Multimedia Systems, Digital Signal Processing, Object Oriented Programming, Software Engineering and Artificial Intelligence for UG programmes and System Programming and Operating Systems, Wireless Networks and Multimedia Compression Techniques for PG Programme.

Research Interests

His current research areas of interest include Error Control Coding, Wireless Communication and Internet of Things (IoT).

Project Guidance

He has guided about 63 UG projects and 14 PG projects so far

Professional Memberships

He is an active member of various professional bodies including ACM, IEEE, ISTE, IETE and CSI. He is also an active reviewer for reputed publishers like IEEE, IET and Springer. He is also serving as the Technical Programme Committee member in various National and International conferences. He is the recognized coach for The ACM- International Collegiate Programming Contest (ACM- ICPC) from 2006 onwards. He is also a recognized faculty by National Entrepreneurship Network (NEN) for teaching Entrepreneurship in NEN recognized member Institutions across the country.

Honors And Awards Received

- 1. Received the Teacher par Excellence awards from SSN Trust for the academic years 2005-2006, 2006-2007, 2007-2008, 2009-2010, 2010-2011, 2011-2012, 2012-2013 and 2015-2016 to his credit.
- 2. Received 3 best paper awards for his research papers presented in IEEE sponsored International conferences.
- 3. Received best poster award in International Conference organized by Department of IST, College of Engineering, Guindy, Anna University, Chennai.
- 4. Received best project award in the International Conference organized by Department of CSE, SSN College of Engineering, Chennai.

Funded Projects:

Title	Cost in lakhs	Duration (Years)	Funding Agency	Role	Status
SSN – Indoor navigation system (SSN-INS)	3	2018-2020	SSN Trust	Co-PI	Ongoing
Disaster management system-Next generation	3.05	2015 – 2017	SSN Trust	PI	Completed







KINGS PROJECT EXPO'21

09.04.2021



EXPO REPORT

ORGANIZED BY
RESEARCH & DEVELOPMENT SECTION
KINGS COLLEGE OF ENGINEERING
PUNALKULAM - 613303
PUDUKKOTTAI DT

YouTube live stream: https://youtu.be/0LU-9BhrWE8

BACKGROUND & OBJECTIVE:

Kings College of Engineering, Research & Development section in association with IIC & IEEE organized the "Kings Project Expo'21" for Engineering students on 09.04.2021. The main objective of this project expo is to provide a platform for the students to use their Engineering knowledge and bring the best inventions from their brains. It also allows students to work together in group to learn from each other. They shared their ideas and collectively galvanize those ideas to bring something innovative into implementation.

INAUGURAL SESSION

The Conference was inaugurated by the Chief Guest Dr.M.Kavitha,AP/Department of CSE, University College of Engineering, Rajamadam.





WELCOME ADDRESS

The welcome address was given by Dr.D.Sivakumar, Coordinator of Kings Science Expo'21. He welcomed the dignitaries, faculty members and the students from various educational Institutions across the state. Ms.T.Bhuvaneswari, Coordinator of Kings Science Expo'21 introduced about the chief guest. She elaborated the qualification and work experience of the chief guest. She also detailed about his project works and various responsibilities held by the chief guest

PRESIDENTIAL ADDRESS

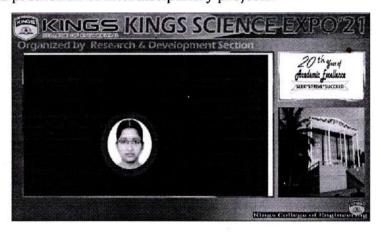
Dr.M.Kavitha,AP/Department of CSE, University College of Engineering, Rajamadam graced the occasion as chief guest and delivered the presidential address.

In her address, she lauded the Management and the academic administration of the institute for hosting Science expo. She insisted the students to make use of this platform as a rehearsal for their job. Students have to be clear with their ideas and to coordinate with the team members.



FELICITATION ADDRESS

Dr.J.Arputha Vijaya Selvi, Principal of our college delivered the felicitation address. She appreciated all the final year students for their involvement. She insisted the students to show their technical knowledge in software and hardware tools, presentation skills, creativity, scope for further enhancement and promotion of interdisciplinary projects.



After the inaugural session project expo were conducted individually by all departments.

EXPO DETAILS

71 batches participated in the Project expo. Students presented about their project through Google Meet. Each batch was given 10 - 15 minutes duration to explain their project. A Jury panel comprising of two senior faculty members evaluated the projects and gave feedback & valuable comments to the students. Based on the presentation, PPT content and outcome, marks were awarded by the Jury panel and 1 project was selected for rewards from each department.

PARTICIPANT DETAILS

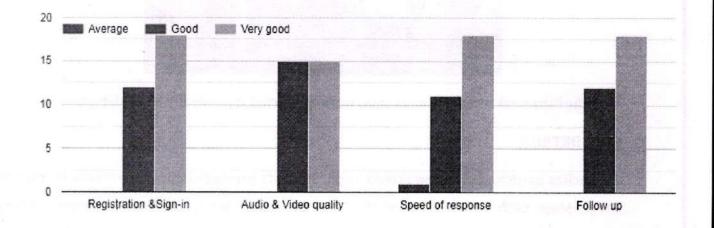
S.NO	DEPT	INTERNAL BATCHES	EXTERNAL BATCHES	TOTAL	WINNER
1	CIVIL	10	8	18	EXT(ARJCET)
2	CSE	10		10	INTERNAL
3	ECE	09	09	18	EXT(CKCET)
4	EEE	04	02	06	EXT(AAMEC)
5	MECH	17	02	19	INTERNAL
TC	TAL	50	21	71	

OUTCOME:

Final year students from various department and PG students were eagerly participated in the Project Expo'2021. Students gained knowledge about online presentation and got valuable feedback from the faculty members which will be very much useful for their viva voice examinations.

FEEDBACK FROM THE PARTICIPANTS:

How did you find the Expo



Winners of the Kings Project Expo'21

Track	Title of the Project	Name of the Participants
Civil	Experimental Investigation of	C.Abirami, J.Bairavi, A.Sulomiya,
	Self Cleaning Concrete by using Calcium	A.R.J. College of Engineering
	Carbonate as Photocatalyst	And Technology, Mannargudi
CSE	Wireless IoT Based Solution for	Ms.Supritha C, Ms.Deepa N,
	Women Safety"	Ms.Shiyamala R, Ms.Shalini P
		Kings College of Engineering
ECE	Automated crop protection system	Ms.Saranraj K, Ms. Siva G,
	using different sounds	Ms.Reno S, Mr.Vishwa N
	55 451	CK College of Engineering &
		Technology, Cuddalore
EEE	Maximum Power	Ms.Akila S, Ms.Dhanalakshmi R
	Point Tracking Algorithms For	Ms.Gobikha M, Ms.Latha M
	Photovoltaic Systems	Anjalai Ammal Mahalingam
		Engineering College,Kovilvenni
MECH	Synthesis of Magnesium Metal Matrix	J. Augustine Albert, N. Kaviyarasan
	Composites using Powder Metallurgy	S. Krishna, R. Mohammed Yasin
	3	Sharif
	€	Kings College of Engineering

E	F	G	Н	
How did you find th	e Exp Are you interested in parti			
Very good	Very good	Very good	Very good	Yes
Very good	Very good	Very good	Very good	Yes
Very good	Good	Very good	Very good	Yes
Good	Good	Good	Good	Yes
Very good	Very good	Very good	Very good	Yes
Very good	Very good	Very good	Very good	Yes
Good	Good	Good	Good	Yes
Very good	Very good	Very good	Very good	Yes
Good	Good	Good	Good	Yes
Good	Good	Good	Good	Yes
Good	Very good	Very good	Very good	Yes
Very good	Very good	Good	Good .	Yes
Very good	Very good	Very good	Very good	Yes
Very good	Very good	Very good	Very good	Yes
Very good	Very good	Very good	Very good	Yes
Very good	Very good	Very good	Very good	Yes
Very good	Very good	Very good	Very good	Yes
Good	Good	Good	Good	Yes
Very good	Very good	Very good	Very good	Yes
Good	Good	Good	Good	Yes

COORDINATOR

(TBHUVANESMARI)

CONVENOR

OR PRINCIPAL

Webinar REPORT

on

Fundamentals of Antenna and It's Design Tools

Held on

27/02/2021

Co-ordinators

Mr.P.Raja Pirian AP/ECE
Mr.W.Newton david Raj AP/ECE

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
KINGS COLLEGE OF ENGINEERING PUNALKULAM

REPORT

A Webinar on **Fundamentals of Antenna and It's Design Tools** was organized by Department of Electronics and Communication Engineering on 27-02-2021 at 11.00 a.m. to 12.00 noon, to motivate the students to involve in Antenna Domain and also the students to get more ideas on latest tools in smart antenna design.

The program was delivered via Google meet.

Google Meet Link : https://meet.google.com/myk-osjm-wuu

Ms.T.Swetha, **PG Student –Wireless Technology, Anna University (MIT Campus), Chennai** was the resource person.

The webinar begins at 11.00 a.m, Mr.P.Raja Pirian AP/ECE welcomes the resource person and the gathering, followed by Ms.G.Latchaya Sri, UG Student, introduced the chief guest. Mrs.N.Mangaiyarkarasi, HoD/ECE delivered the inaugural address.

Ms.T.Swetha, briefed the concepts of Antenna, Basic Electromagnetic Theory, Boundary Conditions and Excitations, Computational Electromagnetics, HFSS simulation basics and analysis setup, Reconfigurable Antennas · MIMO Antennas , Metamaterial Design and Analysis.

In her presentation, she demonstrates a simple smart antenna and shows the simulation and the technology of fabrication also. Finally she explains the need for antenna designers towards communication sectors such as Mobile, Satellite and Radar etc.

The students were actively involved in the entire sessions. Finally Mrs.U.Jeyamalar, AP/ECE delivers the vote of thanks.

Total of 114 students were participated in the workshop; 105 students from our college and the remaining participants from other Engineering colleges from Tamilnadu.

ANNEXURES





Resource Person Presenting the Webinar

coordinator

J. 1806/4/2021.

HOD/ECE. 6/4/21

Webinar REPORT

on

Fundamentals of VLSI and Introduction to FPGA

Held on

13/03/2021

Co-ordinators

Mr.P.Raja Pirian AP/ECE
Mr.W.Newton David Raj AP/ECE

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
KINGS COLLEGE OF ENGINEERING PUNALKULAM

REPORT

A Webinar on **Fundamentals of VLSI and Introduction to FPGA** was organized by Department of Electronics and Communication Engineering on 13-03-2021 at 11.00 am to 12.00 pm, to motivate the students to involve in VLSI Domain and also the students to get more ideas on Digital system design using FPGA.

The program was delivered via Google meet and kings YouTube Channel.

Google Meet Link : https://meet.google.com/myk-osjm-wuu

YouTube Link : https://youtu.be/vMG24DREkes

Ms.R.Hinduja, **PG Student – M.E.VLSI Design, Kings College of Engineering, Thanjavur** was the resource person.

The webinar begins at 11.00 a.m, Mr.P.Raja Pirian AP/ECE welcomes the resource person and the gathering, followed by Ms.P.Lincy Freeda, UG Student, introduced the chief guest. Mrs.N.Mangaiyarkarasi, HoD/ECE delivered the inaugural address.

Ms.R.Hinduja briefed the basic concepts of VLSI such as Gates, Flip Flops, Multiplexers and how the other digital logic circuits are established using these basic blocks. She explained a lot about how the VLSI concepts are used in real time applications such as communication field, signal processing field. She also explained the latest developments in VLSI and the demands in the job market for the VLSI Design. She motivates the students to prefer core field for their better future.

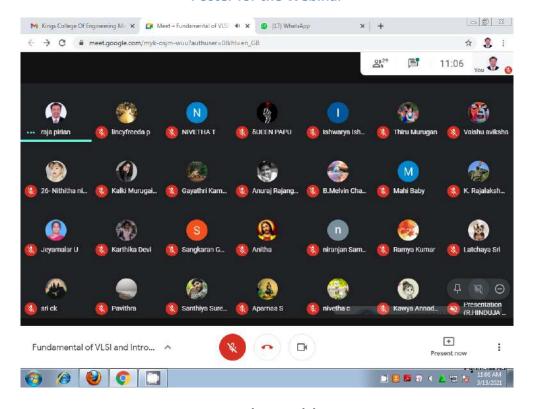
The students were actively involved in the entire sessions. This session was interactive also. Finally Mr.W. Newton David Raj, AP/ECE delivers the vote of thanks.

Total of 137 students were participated in the workshop; 130 students from our college and the remaining participants from other Engineering colleges from Tamilnadu.

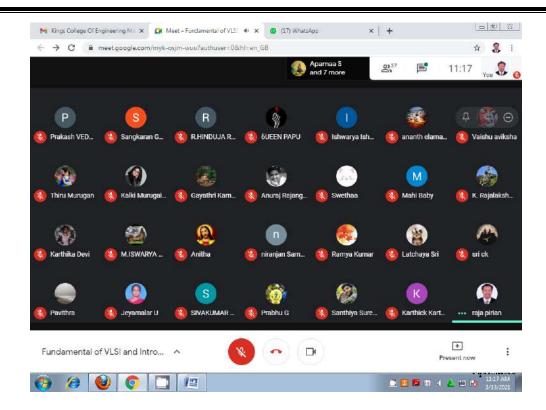
ANNEXURES



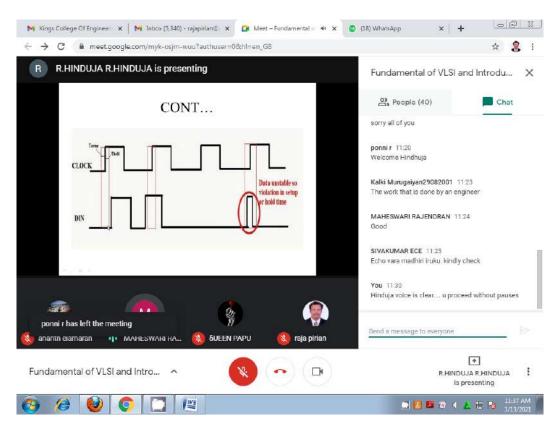
Poster for the Webinar



Active Participants



Mr.P.Raja Pirian Delivering Welcome Address



Resource Person Presenting the Webinar

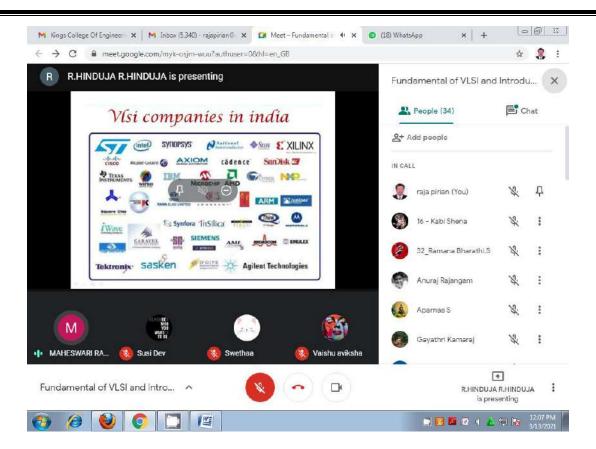


Fig: Resource Person Presenting the Webinar

coordinator

J. 1866/4/2021.

HOD/ECE. 6/4/21







<u>Department of Electronics and Communication Engineering</u> <u>Report on Technical Quiz on Linear Integrated Circuits</u>

Department of ECE and R&D Section in association with IEEE STB 16621, organized a Technical Quiz on Linear Integrated Circuits on 11th March, 2021. Totally 98 responses are made and E -certificates are issued for students who got more than 70 % in quiz. Ms. S. Ramana Bharathi, Kings College of Engineering (KCE) secured first position (42/50) and Ms. Ms. G. LATCHAYASRI, KCE and Ms.S.Shanmugapriya, Anjalai Ammal Mahalingam Engineering College secured second position (38/50). The event was coordinated by Mr. T. Pasupathi, AP/ECE and Mr. J.Niranjan Samuel, JRF/ECE-R&D.

Response Sheet:

	Total	Name of the	
Username	score	Participant	Institution
mohamedriyasdon2000@g		-	Anjalai Ammal Mahalingam Engeneering
mail.com	16.00 / 50	Mohamed Riyas.s	Colage
keerthanabalachandar@gma			Anjali Ammal Mahalingam Engineering
il.com	12.00 / 50	Keerthana	College
			Anjalai Ammal Mahalingam Engineering
aadhilahamed0@gmail.com	10.00 / 50	Mr.M.Aadhil Ahamed	College -Kovilvenni
rvarshini12001@gmail.com	8.00 / 50	Ms. R. Varshini	Aamec
			Anjalai Ammal Mahalingam Engineering
apavi2000@gmail.com	12.00 / 50	Ms.A.Pavithra	College
sivaravichandran2002@gm			
ail.com	22.00 / 50	R.Sivakami	Shanmuganathan Engineering College
nivethac1808@gmail.com	8.00 / 50	C.Nivetha	Kings College Of Engineering
			Anjalai Ammal Mahalingam Engineering
rajinatarajan20@gmail.com	20.00 / 50	Ms.N.A. Rajeswari	College
dharaniragu2602@gmail.co			St. Joseph's College Of Engineering And
m	10.00 / 50	Mrs. R. Dharani	Technology
mayilerigobikha@gmail.co		GOBIKHA(GUD	Anjalai Ammal Mahalingam Engineering
m	22.00 / 50	EVNG SIR)	College
swaminathaswamiji13@gm			
ail.com	14.00 / 50	Swaminath.S	Anjalai Ammal Engg Clg

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sowmithasubramanian@gm ail.com	30.00 / 50	Ma C Committee	Anjalai Ammal Mahalingam Engineering
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karthikskkp7@gmail.com	12.00 / 50	PRABHU	Anjalai Ammal Mahalingam Engg College St Joseph's College Of Engineering And
	14.00 / 50	T NIANTEENIA	
naveenaece27@gmail.com	14.00 / 50	T NAVEENA	Technology Thanjavur
	19.00 / 50	Mr.K.Mohamed	Anjalai Ammal Mahalingam Engineering
riswanmr185@gmail.com	18.00 / 50	Riswan	College
auhalravi0008@amail.aam	20.00 / 50	Miss.S.Subalakshmi	Anjalai Ammal Mahalingam Engineering
subakavi9908@gmail.com vigneshkumark708@gmail.	20.00 / 50	Wiss.S.Subalaksiiiii	College Anjalai Ammal Mahalingam Engineering
0	16.00 / 50	Mr.K.vigneshkumar	College
com	10.00 / 30	WII.K.VIgheshkumai	Anjalai Ammal Mahalingam Engineering
rvdeswar45@gmail.com	16.00 / 50	Mr.R.Eswaran	College
ananthelamaran@gmail.co	10.00 / 30	WII.K.Eswaran	Conege
•	20.00 / 50	ELA.Ananth	Kings College Of Engineering
m venkatesan9629116411@g	20.00 / 30	ELA.Allaliul	Anjalai Ammal Mahalingam Engineering
mail.com	18.00 / 50	Mr. S. Venkatesan	College
priyaraghavan.krish.tnj@g	18.00 / 30	WII. S. VEIIKAIESAII	Anjalai Ammal Mahagalingam Engineering
mail.com	18.00 / 50	Ms.R.Priyadarshini	College
		·	
rajvasan1016@gmail.com	10.00 / 50	Mr.R.keerthivasan	Anjalai Ammal Mahalingam Eng College
		Miss. A. Brij8th	St Joseph's College Of Engineering And
brijithcath@gmail.com	28.00 / 50	Cathrin Graziya	Technology Thanjavur
gowthamkalyanasundaram			Anjalai Ammal Mahalingam Engineering
@gmail.com	32.00 / 50	Mrs.N.Mangaiyarkarasi	College,Kovilvenni
anizaniz007@gmail.com	22.00 / 50	R.k.Aniz	Kings College Of Engineering
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ishukarthi2001@gmail.com	24.00 / 50	Miss.K.Iswarya	College
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sounderiya19@gmail.com	26.00 / 50	Ms.S.Sounderiya	College
		THIRUKKUMARAN	
senthiru2002@gmail.com	20.00 / 50	S.K	Anjalai Ammal Engineering College
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gayathriviga2065@gmail.co			
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umagv13@gmail.com	24.00 / 50	Ms.V.Umamaheswari	College
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ail.com	38.00 / 50	Ms.S.Shanmugapriya	College	
Viswapragathis@gmail.com	36.00 / 50	PRAGATHISVARAN M	Anajalai Ammal Mahalingam Engineering College Kovilevenni	
maitamail167@ amaail aama	9.00 / 50	Ma M Daialahahari	Anjalai Ammal Mahalingam Engineering	
rajtamil167@gmail.com premkumarmurugesan1999	8.00 / 50	Ms.M.Rajalakshmi	College Anjalai Ammal Mahalingam Engineering	
@gmail.com	36.00 / 50	Mr.M.Prem Kumar	College	
narendranr1099@gmail.co	30.00730	The state of the s	Anjalai Ammal Mahalingam Engineering	
m	24.00 / 50	Mr. R.Narendran	College	
pavithra.rkrishnan01@gmai				
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yazhini.ashokan22@gmail.c			Anjalaiammal Mahalingam Engineering	
om	32.00 / 50	Ms A.Devayazhini	College	
shiyamganesh167@gmail.c	14.00 / 50	Mr. D. Con oak	Vince Callery Of Engineering	
om mahalakshmi14vk@gmail.c	14.00 / 50	Mr.B.Ganesh	Kings College Of Engineering Anjalai Ammal Mahalingam Engineering	
om	24.00 / 50	Ms. V.K.Mahalakshmi	College	
jayabharathi23042001@gm	24.00 / 30	1VIS. V.IX.IVIdildidKSiiiiii	Anjalai Ammal Mahalingam Engineering	
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neeethana20@gmail.com	22.00 / 50	Ms.Neerthana R	Anjalai Ammal Mahalingam Engineering College	
priyakannan0002@gmail.co			Anjalai Ammal Mahalingam Engineering	
m	32.00 / 50	Ms. S. Shivapriya	College	
abisheik1544423@gmail.co				
m	20.00 / 50	P.Abisheik	Kings College Of Engineering	
gprabhu957@gmail.com	20.00 / 50	Prabhu G	Kings College Of Engineering	
	24.00 :=:	Mr. P.	Anjalai Ammal Mahalingam Engineering	
prasannap7126@gmail.com	24.00 / 50	HARIPRASANNA	College	
bk.akshayababu@gmail.co	22.00 / 50	R V Akchaya	Anjalai Ammal Mahalingam Engineering	
m	22.00 / 50	B.K.Akshaya	College Anjalai Ammal Mahalingam Engineering	
madhupritha57@gmail.com	30.00 / 50	R.S MADHU PRITHA	College	
sushmadurai2001@gmail.c	14.00 / 50	SUSHMA.D	Kings College Of Engineering	
om divyasengani2001@gmail.c	17.00/30	SOSIIIVIA.D	Anjalai Ammal Mahalingal Engineering	
om	30.00 / 50	Ms.G.Divyashri	College	
keerthiselvakumar999@gm	2 2.00 / 20		Anjalai Ammal Mahalingam Engineering	
ail.com	28.00 / 50	MS.S.Keerthana	College	
thirumurugan9152@gmail.c				
om	26.00 / 50	THIRUMURUGAN.S	Kings College Of Engineering	







A REPORT

ON

"NATIONAL LEVEL TECHNICAL e-SYMPOSIUM"

"e-BLAST-2K20".

1st October 2020



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

A Glimpse on the Background of e-Symposium:

In KCE, Department of Electronics and Communication Engineering, has organized a NATIONAL LEVEL TECHNICAL e-SYMPOSIUM (eBlast-2k20) on 01st October 2020.

The symposium focuses to articulate new ideas in distinguished electronics and communication field and to result with the sharing knowledge among the participants. Various students from 70 Engineering colleges were actively participated in the symposium.

Under the guidance of our Principal, Dr. J. Arputha Vijaya Selvi, we hosted this e-Symposium. Mrs. N.Mangaiyarkarasi, HOD/ECE was the convener of our e-Symposium. Mrs.P.Raja Pirian, AP/ECE, & Mr.S.Sivakumar, AP/ECE were the program coordinators.

OVERVIEW OF THE WEBINAR:

ABOUT THE RESOURCE PERSON:

The resource person for the e-Symposium was Mr.K.DineshKumar, Head, Software Engineering Dept., Kirirom Institute of Technology, Cambodiya, (Alumni of Kings -2012 Batch).

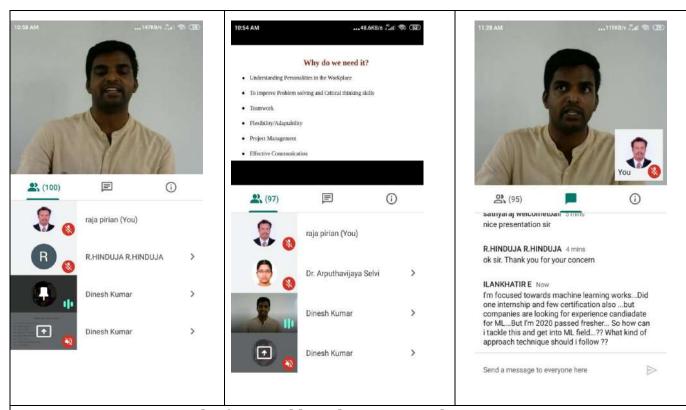
E-SYMPOSIUM INAUGURATION:

The Symposium begins with the formal prayer song "Tamil Thai Vazhthu", immediately after that, Ms.M.Ezhilarasi of IV ECE welcomes the gathering with the words.

Dr. J. Arputha Vijaya Selvi, Principal, KCE, delivered the Presidential address. After that Mrs.N.Mangayarkarasi felicitate the symposium.

Mr.P.Raja Pirian AP/ECE, coordinator of the symposium, introduced the chief guest, followed by that, the special address was delivered by our resource person Mr.K.DineshKumar. Head, Software Engineering Dept., Kirirom Institute of Technology, Cambodiya, (Alumni of Kings -2012 Batch).

He gave very clear explanation about the topic Internship, He explained a lot about how to apply for internship, what are the latest domains available for Internship and also he explains how they can approach for internship to overseas.

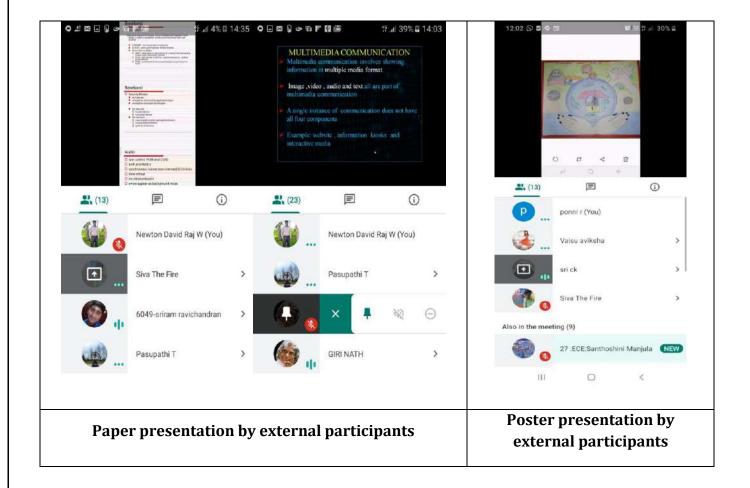


Chief guest address by Mr.K.DineshKumar,
Head, Software Engineering Dept., Kirirom Institute of Technology, Cambodiya,
(Alumni of Kings -2012 Batch)

The symposium was continued with paper presentation, Poster Presentation, MEMES Creation and Clickography.

The paper presentation was conducted in a Google Meet Link "https://meet.google.com/rkk-taxg-exy". This session was chaired by Mr.T.Pasupathi, Mr.T.Jeyaseelan, Mr.S.Ramarajan, Mr.W.Newton David Raj they reviewed 23 papers. Finally they selected 3 best papers M.Veeralakshmi, M.Ezhiarasi, Hemamalini were the event coordinators.

Simultaneously the poster presentation was conducted in a Google Meet Link "https://meet.google.com/qsx-tdnc-fry". This session was chaired by Dr.T.Shanthi, Mrs.R.Ponni, Mrs.D.Vennila, Mrs.P.Thirumagal were the Juries. 10 posters were presented. Y.Sivanantham, K.Soundharya were the event coordinators.



Non technical session was conducted in Instagram, a special Instagram page was opened for this contest, Participants posted their imagination as memes, and also show their photographic talents in this page.

The Juries for Clickography was Mr.R.Sathyaraj and Mr.P.Raja Pirian, Totally 21 Photos were received from various colleges. Finally 3 best Photos were selected and awarded. G.Surya and Y.Sivanantham were the event coordinators.

Final event was Memes Creation. Mr.A.Herald and Mr.S.Sivakumar are the Juries for this event, Totally 15 Memes were received from various colleges. Finally they selected 3 best memes and announced the winners. G.Surya and Y.Sivanantham were the event coordinators.



OUTCOME:

We received 185 registrations from 70 various Institutions.

Among the 185 registered participants 145 have attended various events.

All the 185 participants gave the feedback about the e-symposium via the Feedback Link.

The e-Certificate was provided to all the attendees through their e-mail Id.

Annexure: I BROCHURE



Annexure: II

Invitation



REPORT

on

Webinar on Amazon Web Services with EC2, EB and S3

Co ordinators

Mr.P.Raja Pirian AP/ECE
Mrs.R.Ponni AP/ECE
Mr.Niranjan Sauvel JRF/R&D

On

29/06/2020

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

"International webinar on Amazon Web Services with EC2, EB and S3" ECE Dept. and IEEE SB jointly organized its First International webinar on "Amazon Web Services with EC2, EB and S3" on 29th June, 2020 in the presence of Dr. J. Arputha Vijaya Selvi, Principal, Kings College of Engineering, Mrs. N. Mangaiyarkarasi, HOD/ECE. Dr. V. Bala Dhandayuthapani, Professor in Information Technology, Shinas Institute of Technology, Oman delivered the lecture. In his lecture, he briefed on Cloud Computing, AWS Global Cloud infrastructure, Creating an account in AWS, Elastic Compute Cloud, Simple Storage Service and Elastic Bean Stack with live demonstrations. Speaker clarified the queries raised by the participants. Mr. P. Raja Pirian, AP/ECE, delivered the vote of thanks. Mr. J. Niranjan Samuel, JRF/ECE-R&D, moderated the session. 327 members from various institutions at India, Denmark, Indonesia, Oman and Singapore participated in this programme.





Register Now at : https://tinyurl.com/KingsECE-AWS

Coordinator (3)

HOD/ECE 2/1/2020

J. 12/2/2020

REPORT

Webinar on FSOC: Design Challenges

Jointly organized by Department of Electronics and Communication Engineering

On

19th JUNE 2020 | 11:00 to 12:00 PM

@

Google Meet

Prepared By

A.Herald AP/ECE



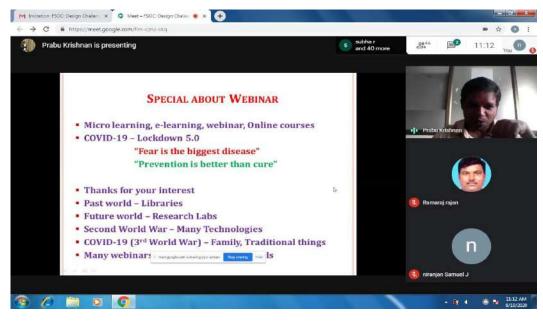
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Report:

Department of Electronics and Communication Engineering and R&D Section, has jointly organized a webinar on "FSOC:Design Challenges "on 19th June 11.00 to 12.00 PM @ Google Meet. Dr.K.Prabu, National Institute of Technology, Suratkal, Karnataka, was the resource person.

The main objective of the webinar was to disseminate the knowledge in the field of Free Space optical Communication (FSOC).

The webinar started by 11.00 a.m. as per the schedule with the registered participants from reputed institutions. Mr.J.Niranjen Samuvel JRF/ECE, welcomed the participants and Mr.S.Ramarajan, AP/ECE introduced the chief guest. The session began with talk about "FSOC:Design Challenges" by Dr.K.Prabu. In his lecture, he covered the Importance, history, applications and Recent Trends of FSOC and also discuss the Challenges and Research avenues of FSOC. All the participants were actively participated in the session. Participants interacted with the resource person using the chat window effectively to clear their queries and learn the concepts. The session ended at 12.30 p.m. with feedback. The entire programme was scheduled and coordinated by Mr.A.Herald, AP/ECE, Mr.S.Ramarajan, AP/ECE and Mr.J.Niranjan Samuel, JRF.



Webinar Presentation by Dr.K.Prabu, NIT-Suratkal, Karnataka.

Pre Process

The webinar process began on 12/06/2020. Poster and registration form links were circulated through WhatsApp and e-mail. Nearly 187 members from various Intuitions registered for the webinar. Invitations and reminder were sent to all the registered participants.









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Punalkulam, Gandarvakottai Taluk, Pudukkottai District – 613 303.

Department of Electronics and Communication Engineering organizes

Webinar on FSOC : Design Challenges For Registration



scan here



Dr. K. Prabu
Assistant Professor/ECE
National Institute of Technology-K,
Surathkal, Karnataka

11:00 a.m. to 12:00 noon (Friday)

E-Certificates will be provided

Coordinators

Mr. S. Ramarajan, AP/ECE | Mr. A. Herald, AP/ECE | Mr. J. Niranjan Samuel, JRF/ECE

Convener

Mrs. N. Mangaiyarkarasi

HOD/ECE

Principal

Poster of Webinar

Model Certificate:









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Webinar on Design of Solar PV System for Home

Certificate

This is to certify that

Dr. G. Karthikeyan Sona College of Technology

has participated in the Webinar on Design of Solar PV System for Home organized by Department of Electronics

and Communication Engineering and R&D Section, Kings College of Engineering, Punalkulam on 12-05-2020.

Cert. ID: KCE-W-3-013

Co-ordinators

HOD

Principal

Mr.P.Raja Pirian & Mr. J. Niranjan Samuel

Mrs.N.Mangalyarkarasi

Dr.J.Arputha Vijaya Selvi

This is electronically generated certificate and does not need any signature

Prabu K

Assistant Professor

Department of Electronics and Communication Engineering National Institute of Technology Karnataka - Surathkal P.O. Srinivasnagar, Mangalore – 575025, Karnataka, INDIA

E-mail: prabuk [at] nitk [dot] edu [dot] in nitprabu [at] gmail [dot] com

Professional Experience:

Total: 8 years

Academic Background

Ph.D.: National Institute of Technology (NIT), Tiruchirappalli, April 2015,

M.E: Madras Institute of Technology (MIT), Anna University, 2010,

B.E: Anna University, Chennai, 2007.

Areas of Interest

- Wireless Optical Communication (FSO, VLC, Underwater)
- Optical Communication
- Wireless Communication
- Optical Sensors
- Nano-Photonics
- Photonic Crystal Fibers
- 5G
- Antennas
- IoT
- AI Enabled Wireless Communication

Significant Projects

1. Project Title: Performance Analysis and Enhancement of Radio over Free Space Optical Communication

System for 5G Applications for Smart Cities

Role : Principal Investigator Duration : 2019 - 2021

Funding Agency: SERB - DST, Govt of India

Total Budget: Rs. 28,06,000/-

Supervision of Ph.D

- 1. N Vijaya Ratnam
- 2. Bhargav Kumar
- 3. Santhosh A Janawade
- 4. Abhishek Kumar

Number of Publications

International Journals:50

Books

1. "Microwave Engineering Theory and Techniques" – David M Pozar, Wiley, WILEY India Adaptation, Content contribution for Indian Adaptation by Prabu K, Santosh A. Janawade.

Book Chapters

- 1. A chapter author for a book "Principles and Applications of Free Space Optical Communication", IET Publications. Title of the chapter is "Performance analysis and mitigation of turbulence effects using spatial diversity techniques in FSO systems over combined channel", 2019.
- 2. A chapter author for a book "Turbulence and Related Phenomena", IntechOpen. Title of the chapter is "Performance analysis of FSO systems over atmospheric turbulence channel for Indian weather conditions" 2019.

International Conferences:10

Achievements

- o Awarded Government of "India's University Grant Commission (UGC)" Fellowship during my Master of Engineering [2010-12]
- o Recipient of "Technical Education Quality Improvement Programme (TEQIP)" Scholarship [2012-2015] for Ph.D.
- o Awarded "TEQIP International Foreign Travel Grant" for visiting Laboratory facilities at NTU Singapore, attending an International Conference ICWOC 2014, NTU Singapore.
- o Recipient of "Good Researcher" awards at VIT University Vellore for the last two consecutive years 2017 and 2016.
- o Recipient of "Good Reviewer" award from Elsevier during 2015.
- o Invited speaker for Inauguration of IEEE Photonics Chapter Chennai Section, VIT University, Chennai, 2017.
- o Invited speaker for Inauguration of One-day Lectures on Optical Wireless Communications (WOC), sponsored by IEEE Photonics Chapter Bangalore chapter, IISc, Bangalure, Dec., 2018.

Professional Membership:

1. Senior Member, IEEE

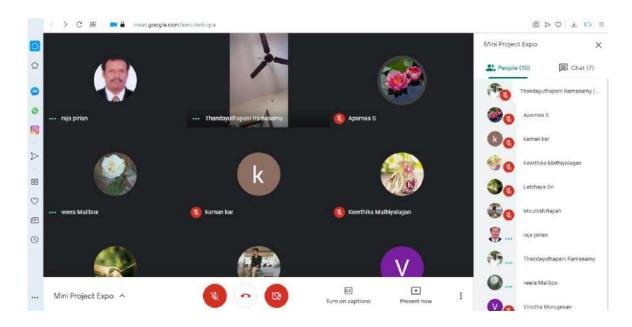


DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING (Academic Year 2020-2021 ODDsemester) DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

MINI PROJECT EXPO- 31th October 2020

About the Expo:

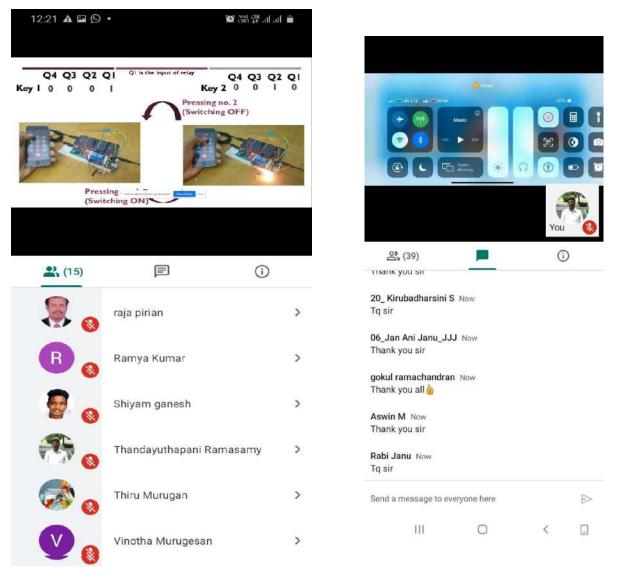
A mini project contest was held at Kings College of Engineering, Punalkulam through on line mode due to COVID '19 in the department of Electronics and Communication Engineering on 31thOctober 2020. The aim of the contest is to reveal the practical knowledge of the students obtained from their curriculum.



Welcome address by Mr.P. Rajapirian, AP/ECE

The chief guest

The Contest was inaugurated at 10.00A.M by Mr. A.Senthil Kumar, Scientist, Indian Institute of Technology, Chennai. Mr. P.Rajapirian, AP/ECE deliver the welcome addressand introduce the chief guest.



A live demo was presented by students

Participants

The participants are the second year and third year students of the Electronics and Communication Engineering department. About 22 **students** participated in the contest and **11 projects** were presented. The students are explained the working principle of their projects and demonstrated their functions.

Outcome

The participants felt pleasure in presenting the projects through new technology and they thank Mrs.N.Mangaiyarkarasi,HoD/ECE for taking immense effort in organizing such events. At end of the session, Mr.R.Thandayuthapani, AP/ECE delivered the vote of thanks.

Invitation

Registration Link: https://tinyurl.com/KingsMiniProj



MINIPROJECT TOPICS WITH NAME LIST

Sl. No	Name of the Student	Year/Sem	Name of Project
1	KARIKALAN G	II/III	AUTOMATIC MOBILE CHARGING SYSTEM
2	KARTHICK N	II/III	AUTOMATIC MOBILE CHARGING SYSTEM
3	NIVETHITHA S	II/III	- CALL INDICATOR
4	MAHESWARI V	II/III	CALLINDICATOR
5	JAYAPRIYA S	II/III	MOTION TRIGGER NIGHT LAMP
6	GAYATHRI K	II/III	MOTION TRIGGER NIGHT LAMP
7	B.GANESH	III /VI	FIRE ALARM
8	D.MOUNISH RAJIAH	III /VI	I INL ALARW
9	G.LATCHAYASRI	III /VI	— DTMF BASED HOME AUTOMATION
10	A.KAWYA	III /VI	DIMIT DASED HOME AUTOMATION
11	APARNAA S	III /VI	ARDUINO BASED WIRELESS DOORBELL
12.	KEERITHIKA M	III /VI	ANDOING BASED WINELESS DOORDELL
13	K.RAMYA	III /VI	TEMPERATURE BASED FAN SPEED
14	J.ANITHA	III /VI	CONTROL AND MONITORING USING ARDUINO
15	NIVETHA C	III /VI	WATER LEVEL INDICATOR
16	NAGESWARI	III /VI	
17	M.VINOTHA	III /VI	AUDUINO BASED VEHICLE TRACKING
18	B.KIRUTHIKA	III /VI	SYSTEM USING GPS AND GSM
19	K.SOUNDHARYA	III /VI	FACE RECOGNITION ATTENDANCE SYSTEM
20	M.VEERALAKSHMI	III /VI	
21	S.HEMAMALINI	III /VI	FASTEST FINGER FIRST INDICATOR
22	A.SIVASARANYA	III /VI	

Total no of projects: 11

Total no of students: 22

Mini Project In-Charge

HoD/ECE

Principal









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Punalkulam, Gandarvakottai Taluk, Pudukkottai District – 613 303.

A REPORT

ON LIVE ONLINE WEBINAR TITLED

"ANTENNAS FOR HEALTH CARE APPLICATION"

10th JUNE 2020



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

A Glimpse on the Background of Webinar:

In Kings College of Engineering, Department of Electronics and Communication Engineering, has organized a online Webinar titled "ANTENNAS FOR HEALTH CARE APPLICATION" on 10th June 2020, from 11.30 a.m to 12.30 p.m.

The main objective of this Webinar is to utilize the lockdown period by providing the basic knowledge about the antennas for health care application.

Under the guidance of our Principal, Dr. J. Arputha Vijaya Selvi, we hosted this Webinar. Mrs. N.Mangaiyarkarasi, HOD/ECE was the convener of our webinar. Mr.W.Newton David Raj, AP/ECE, Mr.T.Jeyaseelan, AP/ECE & Mr.J.Niranjan Samuel, JRF/ECE-R&D were the program coordinators.

OVERVIEW OF THE WEBINAR:

ABOUT THE RESOURCE PERSON:

The resource person for the webinar was Dr.T.Anita Jones.,M.E.,Ph.D,Assistant Professor, Department of Electronics and Communication Engineering, Karunya Institute of Technology and Sciences, Coimbatore.

ABOUT THE REGISTRATION PROCESS:

The webinar was planned to conduct via Google Meet platform. The registration link was created through Google forms and the link was posted in various WhatsApp groups.

Registration Link:

https://forms.gle/qahuNXRQUmdDGM879

We have received 150 responses from various institutions. Before one day of the Webinar, we have stopped receiving the registration response. For all the registered participants we gave the confirmation mail for our Webinar participation.

On that day of the program, the webinar google meet link was given to all the registered participants 1 hour before the commencement of the program through their E-Mail Id.

ABOUT THE WEBINAR:

- ✓ The webinar was started at 11.30 a.m with 102 participants.
- ✓ Mrs.P.Thirumagal,AP/ECE welcomed the resource person and the participants by the words, and also introduced the Resource person. Then the session was handed over to the Resource person.
- ✓ Resource person gave very clear explanation about the Title of the "Antennas for Health Care Applications" through the following sub-topics:
 - ❖ Body-Worn Antennas and External Antennas
 - ❖ PIFA IN CAD FEKO
 - Microstrip Patch Antenna Calculator
 - Meander Line PIFA Antenna
 - Wearable Antenna on body
 - Implantable Antenna
 - Spiral Patch Structure
 - Research Challenges.
 - Specific Absorption Rate(SAR)
 - ❖ Heterogeneous and Homogenous Brain Model for Tumor Detection
 - Biocompatible
 - Capsule Endoscopy Phantom
 - Health Issues
- ✓ Finally she gave some real time demo by using the feko and also given the software student edition link to the interested participants.
- ✓ At 12.30 p.m she comes to the end of the session. The queries were asked by the participants for 15 minutes..She gave the answers for all the queries. At 12.30 p.m one of this webinar coordinator Mr.J.Niranjan Samuel ,JRF/ECE-R&D have posted the Feedback link Via the chat box.
- ✓ Finally, coordinator Mr.W.Newton David Raj,AP/ECE of this webinar gave the vote of thanks with words. Thus the program ended successfully.

OUTCOME:

- ✓ We received 150 registration from 80 various Institutions.
- ✓ Among the 150 registered participants 102 have attended the session.
- ✓ All the 102 participants gave the feedback about the webinar via the Feedback Link.

✓

BROCHURE











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Punalkulam, Gandarvakottai Taluk, Pudukkottai District – 613 303.

A REPORT

ON

THREE DAYS WEBINAR TITLED

"EMBEDDED AND REAL TIME SYSTEMS USING ARDUINO".

08th JUNE 2020 to 10th JUNE 2020.



Organized by

Department of Electronics and Communication Engineering

KINGS COLLEGE OF ENGINEERING, PUNALKULAM

A NAAC Accredited Institution

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A Glimpse on the Background of Webinar:

In KCE, Department of Electronics and Communication Engineering, has organized Three days Webinar titled "EMBEDDED AND REAL TIME SYSTEMS USING ARDUINO" exclusively for Engineering and Polytechnic Students from 08^{th} June 2020 to 10^{th} June 2020 at 11.00 a.m to 12.00 noon.

The main objective of this Webinar is to utilize the lockdown period by providing the basics of Embedded system and to have the coding knowledge and also to develop the project using Arduino.

Under the guidance of our Principal, Dr. J. Arputha Vijaya Selvi, we hosted this Webinar. Mrs. N.Mangaiyarkarasi, HOD/ECE was the convener of our webinar. Mrs.D.Vennila, AP/ECE, Mrs.U.Jeyamalar, AP/ECE & Mrs.P.Thirumagal, AP/ECE were the program coordinators.

OVERVIEW OF THE WEBINAR:

ABOUT THE RESOURCE PERSONS:

The resource person for Day-1 webinar was Mr.P.Raja Pirian, Assistant Professor, Kings College of Engineering.

The resource person for Day-2 webinar was Mr.T.Pasupathi, Assistant Professor, Kings College of Engineering.

The resource person for Day-3 webinar was Mr.T.Jeyaseelan, Assistant Professor, Kings College of Engineering.

ABOUT THE REGISTRATION PROCESS:

The webinar was planned to conduct via Google meet platform. The registration link was created through Google forms and the link was posted in various Whats app groups.

Registration Link: https://tinyurl.com/KingsEmbedded.

We have received 214 responses from various institutions. Before one day of the Webinar, we have stopped receiving the registration response. For all the registered participants we gave the confirmation mail for our Webinar participation. Then the registered participants were asked to join in our WhatsApp group named "KINGS WEBINAR ON EMBEDDED". For all the three days of the program, the webinar Google meet link was given to all the registered participants 1 hour

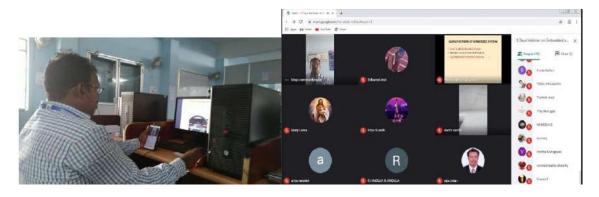
before the commencement of the program through their E-Mail Id and also through the Whats App group.

ABOUT THE WEBINAR:

DAY-1:

The webinar was started at 11.00 a.m with 100 participants. Mrs. D.Vennila, AP/ECE coordinator of this webinar welcomed the resource person and the participants by the words and she gave the Introduction about the Resource person. Then the session was handed over to the Resource person. He explained about the basics of Embedded systems, various Embedded processors and its Applications and also he explained clearly about the design methodology of fan controller from design to final product. Finally he gave some real time examples of Embedded systems. At 12.00 noon he comes to the end of the session. The queries were asked by the participants for 10 minutes. He gave the answers for all the queries. At 12.10 p.m we have posted the Feedback link Via the chat box.

Feedback Link: Day-1: https://forms.gle/pMktr2NcaTo9wL3g7

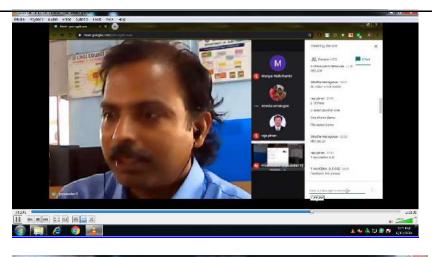


DAY-2:

The webinar was started at 11.00 a.m with 96 participants. Mrs. P.Thirumagal, AP/ECE coordinator of this webinar welcomed the resource person and the participants by the words and she gave the Introduction about the Resource person. He started with basic and need of embedded system in day-to-day life. Arduino-Introduction, programming the Arduino, different variants of Arduino and functions were demonstrated with syntax and examples. Finally, he explains the real-time interfacing of sensors with Arduino were explained in a detailed manner.

At 12.00 noon he comes to the end of the session. The queries were asked by the participants for 10 minutes. He gave the answers for all the queries. At 12.10 p.m we have posted the Feedback link Via the chat box.

Feedback Link: Day-2: https://forms.gle/KXBRS6a115EmvpS4A





DAY-3:

The webinar was started at 11.00 a.m with 90 participants. Mrs. U.Jeyamalar, AP/ECE coordinator of this webinar welcomed the resource person and the participants by the words and she gave the Introduction about the Resource person. Then the session was handed over to the Resource person. This session was completely on hands on session, He explained about the various blocks and ports in the Arduino. He gives demonstration on blinking of LED and RF ID reader. He explain the program and the circuit also. Finally he gave some project ideas of Embedded systems. At 12.00 noon he comes to the end of the session. The queries were asked by the participants for 10 minutes. He gave the answers for all the queries. At 12.10 p.m we have posted the Feedback link Via the chat box.

Feedback Link: Day-3: https://forms.gle/uJv3DJFcSXvvUXxD8

Finally, Mrs.N.Mangaiyarkarasi, HOD/ECE gave the vote of thanks with a word and she appreciated all the student participants and the resource persons for their effort.

Thus the program ended successfully.

OUTCOME:

We received 214 registrations from 53 various Institutions.

Among the 214 registered participants 100 +96+90 have attended the session.

First day we received 100 feedbacks from the participants about the webinar via the Feedback Link.

Second day we received feedbacks from all the 96 participants about the webinar via the Feedback Link.

Third day we received 90 feedbacks from the participants about the webinar via the Feedback Link.

The E-Certificate was provided to all the attendees through their E-mail Id.

Annexure: I **BROCHURE**

CERT







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Department of **Electronics & Communication** Engineering

Exclusively for Students from Engineering & Polytechnic Colleges

Three Days Webinar on

Embedded and Real Time Systems Using Arduino 08.06.2020 to 10.06.2020 @ 11:00am to 12:00noon

Resource Persons



Mr.P.Raja Pirian Assistant Professor Department of ECE



Mr.T.Jeyaseelan Assistant Professor Department of ECE



Mr.T.Pasupathi **Assistant Professor** Department of ECE

E- Certificates will be provided to the Participants



Co-ordinators: Mrs.D.Vennila, AP/ECE | Mrs.U.Jeyamalar, AP/ECE | Mrs.P.Thirumagal, AP/ECE

Convener Mrs.N.Mangaiyarkarasi HOD/ECE

Join us on



Patron Dr.J.Arputha Vijaya Selvi PRINCIPAL

Register Now: https://tinyurl.com/KingsEmbedded

https://www.Kingsindia.net

fb:/Kings College of Engineering

Annexure: II

Registration Details

S.NO	Name of the Institution	CITY	No. of Participants
1.	A.K.T Memorial college of Engineering and Technology	Kallakurichi	03
2.	AGCE TIRUNELVELI	TIRUNELVELU	01
3.	Agni College of Technology	Chennai	01
4.	Arcot sri mahalakshmi women's college villapakkam	Vellore	01
5.	Avinashilingam university	Palani	01
6.	Bannari Amman Institute of Technology	Namakkal	01
7.	Basaveshwar engineering college	Bagalkot	06
8.	Bhaktavatsalam memorial college for women	Chennai	01
9.	Bharathiar University	Chennai	01
10.	Bon secours college for women	Thanjavur	02
11.	D.N.R college of engineering and technology	Bhimavaram	08
12.	Ganadhipathy Tulsis Jain engineering college	Vellore	21
13.	Government Arts and science college, Gudalur	Gudalur, Nilgiris	01
14.	GTEC	Arni	04
15.	Holy cross engineering college	Thoothukudi	01
16.	IARE	Hyderabad	01
17.	JEPPIAAR SRR ENGINEERING COLLEGE	CHENNAI	01
18.	K RAMAKRISHNAN COLLEGE OF ENGINEERING	JAYANKONDAM	01
19.	K.S.R	ERODE	01
20.	K.S.R.M. COLLEGE OF ENGINEERING	Kadapa	01
21.	Karpagam college of engineering	Coimbatore	11
22.	kings college of Engineering	Thanjavur	38
23.	Knowledge Institute of technology	Salem	02
24.	KONGU ENGINEEEING COLLEGE	ERODE	18
25.	Mahendra Engineering College	Nagappattinam	02
26.	MallaReddy Engineering College	Hyderabad	01
27.	Murugappa Polytechnic College	Thiruvallur	08
28.	Nandha Engineering College	Tirupur	01
29.	National College	Trichy	11
30.	Nehru Institute of Engineering and Technology	Salem	02
31.	Prince Shri Venkateshwara Arts and Science College	Chennai	01
32.	PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY	TUTICORIN	02
33.	PSNA College of engineering and technology	Madurai	01
34.	PSNA college of engineering and technology	Dindigul	03

35.	R V COLLEGE OF ENGINEERING	Bengaluru	01
36.	RAMAKRISHNA MISSION VIVEKANANDA COLLEGE	CHENNAI	01
37.	RV College of Engineering	Bangalore	01
38.	Sanjivani College	Kpg	01
39.	Sathyabama Institute of science and technology	Chennai	04
40.	Sathyabama institute of science and technology	Patna	01
41.	Sathyabama Institute of Science And Technology	KHAMMAM	01
42.	Shree Venkateshwara hi-tech engineering college	Erode	06
43.	SONA COLLEGE OF TECHNOLOGY	Salem	01
44.	Sri Krishna Arts And Science College	Coimbatore	02
45.	Sri krishna college of engineering and technology	Coimbatore	06
46.	Sri Sairam engineering college	Tirupur	06
47.	Sri Sairam Engineering College	Chennai	01
48.	SRM institute of science and technology	Chennai	03
49.	St. Joseph's college of engineering and technology	Thanjavur	04
50.	ST. MOTHER THERESA ENGINEERING COLLEGE	Thoothukudi	05
51.	Thiruvalluvar University	Arcot	02
52.	UNIVERSITY V.O.C COLLEGE OF ENGINEERING,	THOTHUKUDI	05
53.	Vel tech multi tech engineering college	Chennai	04
	Total No. of	Participants Registered.	214

Annexure: III

Registration Form



Responses 213





Kings - Three Days Webinar on Embedded and Real Time Systems Using Arduino

Organized By Dept. of ECE in association with IIC & IEEE , Kings College of Engineering, from 08.06.2020 to 10.06.2020 @ 11.00 am -12.00 noon

Kindly Joined in WhatsApp Group: https://chat.whatsapp.com/JGD0we1JUc071htk50nBSt

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Annexure: IV

Feedback Form

Questions

Responses 100





DAY-1 FEEDBACK FORM FOR WEBINAR SERIES ON "EMBEDDED AND REAL TIME SYSTEMS USING ARDUINO"

9

(±)

Tr

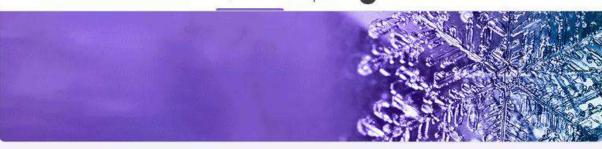
DAY-1:08-06-2020 (MONDAY)



Webinar on " EMBEDDED AND REAL TIME SYSTEMS USING ARDUINO" -

Responses





DAY-2 FEEDBACK FORM FOR WEBINAR SERIES ON "EMBEDDED AND REAL TIME SYSTEMS USING **ARDUINO**"

(+)

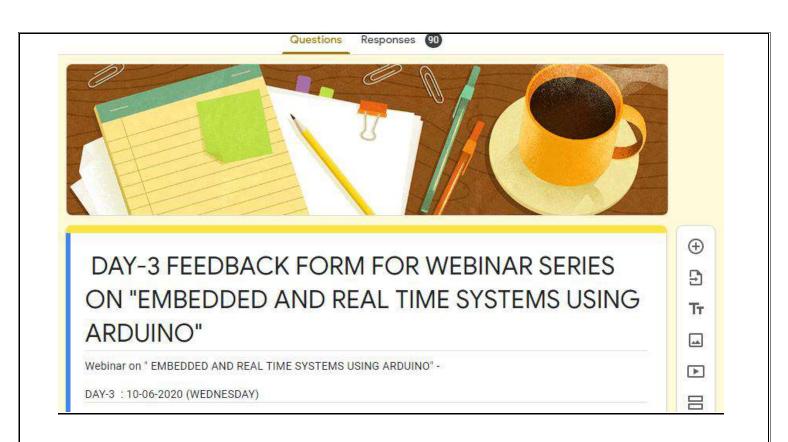
9

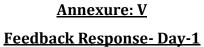
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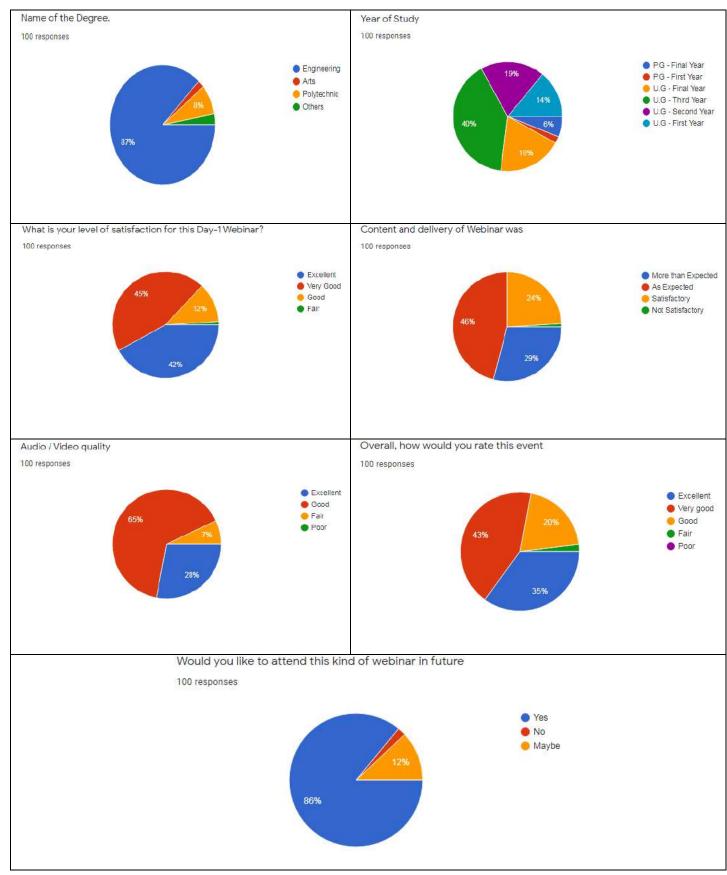
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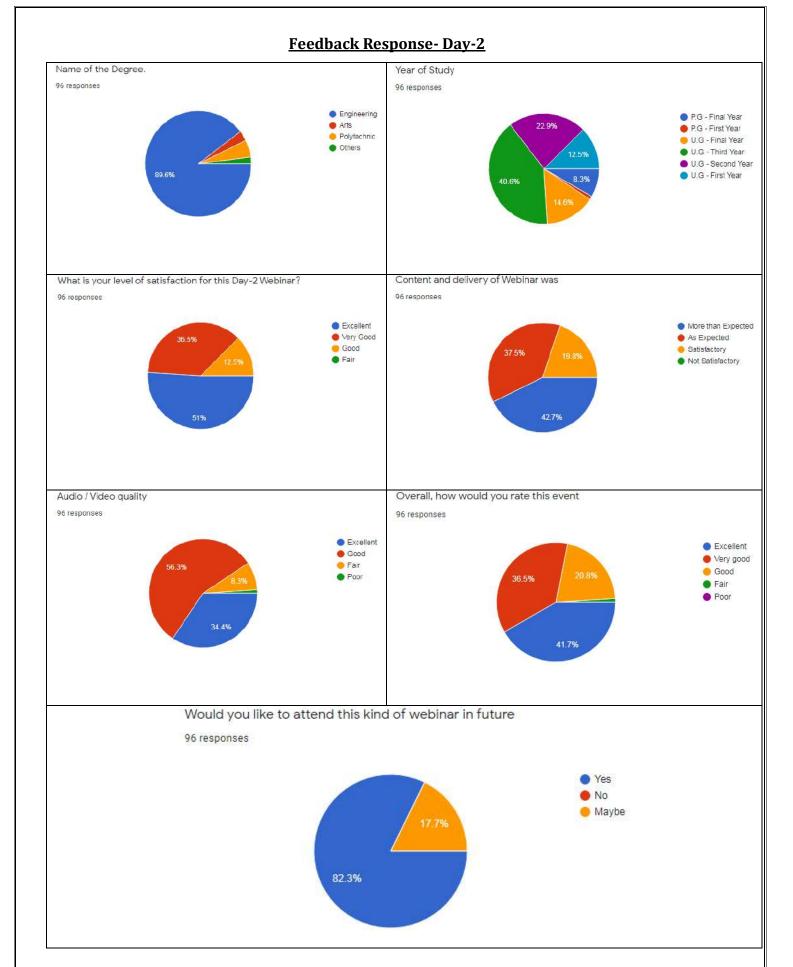
Webinar on " EMBEDDED AND REAL TIME SYSTEMS USING ARDUINO" -

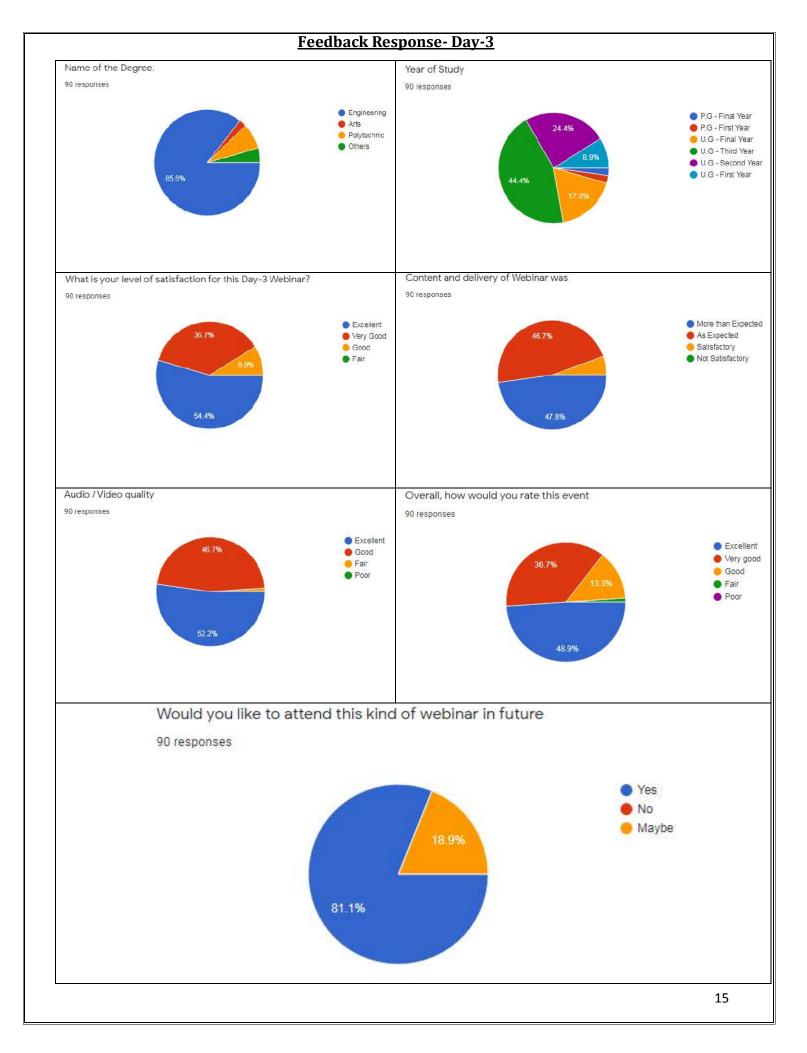
DAY-2:09-06-2020 (TUESDAY)











Annexure: VI

Sample Certificates



KINGS COLLEGE OF ENGINEERING

NAAC Accredited Institution & ISO Certified Institution Recognized by UGC under 2(f) & 12(B)
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai Punalkulam, Gandarvakottai Taluk, Pudukkottai District - 613 303,







Certificate for Participation

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

This is to certify that Mr./Ms. BABYSHALINI R

of A.K.T MEMORIAL COLLEGE OF ENGINEERING AND TECHNOLOGY

has participated in the three days webinar titled "Embedded and Real Time Systems Using Arduino" organized by Department of ECE, Kings College of Engineering, Pudukkottai, from 08-06-2020 to 10-06-2020.

Coordinators Mrs.D.Vennila, AP/ECE Mrs.U.Jeyamalar, AP/ECE Mrs.P.Thirumagal, AP/ECE

HOD Mrs.N.Mangaiyarkarasi

Principal Dr.J.Arputha Vijaya Selvi

Certificate ID:ERTS 001



KINGS COLLEGE OF ENGINEERING

NAAC Accredited Institution & ISO Certified Institution Recognized by UGC under 2(f) & 12(B) Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai n, Gandarvakottai Taluk, Pudukkottai District - 613 303.







Certificate for Participation

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

This is to certify that Mr./Ms. A.NARMADHA

of KARPAGAM COLLEGE OF ENGINEERING

has participated in the three days webinar titled "Embedded and Real Time Systems Using Arduino" organized by Department of ECE, Kings College of Engineering, Pudukkottai, from 08-06-2020 to 10-06-2020.

Coordinators Mrs.D.Vennila, AP/ ECE Mrs.U.Jeyamalar, AP/ECE Mrs.P.Thirumagal, AP/ECE

Mrs.N.Mangaiyarkarasi

Principal Dr.J.Arputha Vijaya Selvi









NAAC Accredited & ISO Certified Institution
Recognized by UGC under 2(f) & 12(B)
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Punalkulam, Gandarvakottai Taluk, Pudukkottai District – 613 303.

A REPORT

ON LIVE ONLINE WEBINAR TITLED

"MODERN ANTENNA DESIGN CHALLENGES"

06th JUNE 2020



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

A Glimpse on the Background of Webinar:

In Kings College of Engineering, Department of Electronics and Communication Engineering, has organized a online Webinar titled "MODERN ANTENNA DESIGN CHALLENGES" on 06th June 2020, from 11.00 a.m to 12.00 p.m.

The main objective of this Webinar is to utilize the lockdown period by providing the basic knowledge about the modern antenna design challenges.

Under the guidance of our Principal, Dr. J. Arputha Vijaya Selvi, we hosted this Webinar. Mrs. N.Mangaiyarkarasi, HOD/ECE was the convener of our webinar. Mr.W.Newton David Raj, AP/ECE, Mrs.P.Thirumagal, AP/ECE were the program coordinators.

OVERVIEW OF THE WEBINAR:

ABOUT THE RESOURCE PERSON:

The resource person for the webinar was Dr.D.Sugumar,M.E.,Ph.D,Assistant Professor, Department of Electronics and Communication Engineering, Karunya Institute of Technology and Sciences, Coimbatore.

ABOUT THE REGISTRATION PROCESS:

The webinar was planned to conduct via Google Meet platform. The registration link was created through Google forms and the link was posted in various WhatsApp groups.

Registration Link:

https://forms.gle/z9iGBvyVY3nFDJDf8

We have received 300 responses from various institutions. Before one day of the Webinar, we have stopped receiving the registration response. For all the registered participants we gave the confirmation mail for our Webinar participation.

On that day of the program, the webinar google meet link was given to all the registered participants 1 hour before the commencement of the program through their E-Mail Id.

ABOUT THE WEBINAR:

- ✓ The webinar was started at 11.00 a.m with 141 participants.
- ✓ Mr.W.Newton David Raj, AP/ECE coordinator of this webinar welcomed the resource person and the participants by the words, and also introduced the Resource person. Then the session was handed over to the Resource person.
- ✓ Resource person gave very clear explanation about the Title of the "Modern Antenna Design Challenges" through the following sub-topics:
 - Design of Antennas upto 6 GHz and above 6 GHz
 - Applications
 - ❖ What is Modern?
 - ❖ 5G Antennas?
 - Antenna Design and Placement
 - Special Applications
 - How to design the antenna?
 - General Antenna Design Process & Challenges.
 - Requirements and Specifications-1 and 2
 - Substrate Materials Availability
 - Solver
 - ❖ Solver Requirement
 - Full Wave Methods(Rigorous Methods)
 - ❖ Asymptotic Methods(High-Frequency Approximation)
 - MTL(Multiconductor Transmission Line)
 - ❖ System Requirement
 - ❖ Half-wave Wire Dipole Example
 - Consultancy on Antenna
- ✓ Finally he gave some real time demo by using the feko and also given the software student edition link to the interested participants.
- ✓ At 12.15 p.m he comes to the end of the session. The queries were asked by the participants for 15 minutes..He gave the answers for all the queries. At 12.30 p.m we have posted the Feedback link Via the chat box.

Feedback Link:

✓ Finally, Mrs.P.Thirumagal,AP/ECE coordinator of this webinar gave the vote of thanks with words. Thus the program ended successfully.

OUTCOME:

- ✓ We received 300 registration from 119 various Institutions.
- ✓ Among the 300 registered participants 142 have attended the session.
- ✓ All the 142 participants gave the feedback about the webinar via the Feedback Link.
- ✓ The E-Certificate was provided to all the attendees through their E-mail Id.

BROCHURE











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Approved by AICTE, New Delbi & Affiliated to Anna University, Chenna
Punalkulam, Gandarvakottai Taluk, Pudukkottai District – 613 303.

A REPORT

ON
LIVE ONLINE WEBINAR TITLED
"AGILE METHODOLOGY".

01st JUNE 2020



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: <u>www.kingsindia.net</u>

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SL.NO	PARTICULARS	PAGE NO
1.	Detailed Report	03
2.	Annexure: I (Brochure)	05
3.	Annexure: II (Registration Details)	06
4.	Annexure: III (Registration Form)	10
5.	Annexure: IV (Feedback Form)	11
6.	Annexure: V (Feedback Response)	12
7.	Annexure: VI (Sample Certificates)	13

A Glimpse on the Background of Webinar:

In KCE, Department of Electronics and Communication Engineering, has organized a online Webinar titled "AGILE METHODOLOGY" on 01st June 2020 from 11.00 a.m to 12.00 p.m.

The main objective of this Webinar is to utilize the lockdown period by providing the basic knowledge about the Agile Methodology.

Under the guidance of our Principal, Dr. J. Arputha Vijaya Selvi, we hosted this Webinar. Mrs. N.Mangaiyarkarasi, HOD/ECE was the convener of our webinar. Mrs.R.Ponni, AP/ECE, Mr.R.Sathyaraj, AP/ECE & Mrs.D.Vennila, AP/ECE were the program coordinators.

OVERVIEW OF THE WEBINAR: ABOUT THE RESOURCE PERSON:

The resource person for the webinar was Mr.S.Srinath, Technical Lead, Tata Consultancy Services, Chennai.

ABOUT THE REGISTRATION PROCESS:

The webinar was planned to conduct via Google meet platform. The registration link was created through Google forms and the link was posted in various Whats app groups.

Registration Link: https://tinyurl.com/KCEAgile.

We have received 260 responses from various institutions. Before one day of the Webinar, we have stopped receiving the registration response. For all the registered participants we gave the confirmation mail for our Webinar participation. Then the registered participant were asked to join in our Whats App group named "KINGS WEBINAR ON AGILE METHODOLOGY". On that day of the program, the webinar Google meet link was given to all the registered participants 1 hour before the commencement of the program through their E-Mail Id and also through the Whats App group.

ABOUT THE WEBINAR:

The webinar was started at 11.00 a.m with 204 participants. Mrs. D.Vennila, AP/ECE coordinator of this webinar welcomed the resource person and the participants by the words and she gave

the Introduction about the Resource person. Then the session was handed over to the Resource person. He gave very clear explanation about the title of the Webinar.

AGILE methodology is a practice that promotes continuous iteration of development and testing throughout the software development lifecycle of the project. Both development and testing activities are concurrent unlike the Waterfall model.

Finally he gave some real time examples of Agile methodology.

At 11.55 she comes to the end of the session. The queries were asked by the participants for 10 minutes. He gave the answers for all the queries. At 12.10 p.m we have posted the Feedback link Via the chat box.

Feedback Link: https://forms.gle/NccfwsNkFoZdYkpH6

Finally, Mr. R.Sathyaraj, AP/ECE coordinator of this webinar gave the vote of thanks with a word. Thus the program ended successfully.

OUTCOME:

We received 260 registrations from 138 various Institutions.

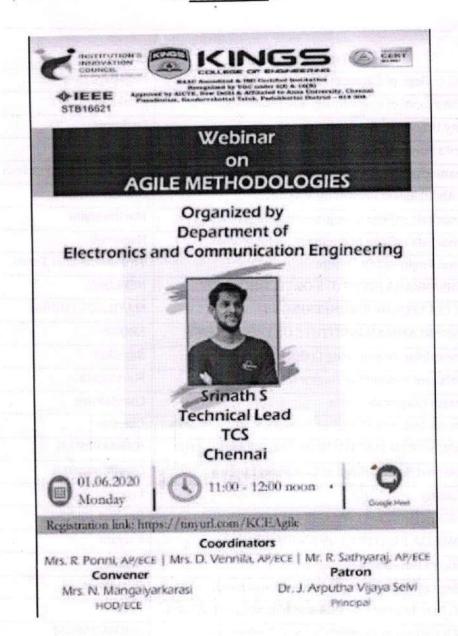
Among the 260 registered participants 204 have attended the session.

All the 204 participants gave the feedback about the webinar via the Feedback Link.

The E-Certificate was provided to all the attendees through their E-mail Id.

2. 10/20 20

Annexure: I BROCHURE



Annexure: II Registration Details

S.NO	NO Name of the Institution CITY		No. of Participant	
1.	A.V.C. College of Engineering	Nagapattinam	01	
2.	Ahalia school of engineering and technology	Palakkad	01	
3.	Amity University Lucknow	Lucknow	01	
4.	Amrita Polytechnic College	Nagercoil	02	
5.	Annamacharya institute of technology and sciences	Kadapa,Andhra Pradesh	03	
6.	Apj Abdul kalam university, indore	GANGAVATHI	01	
7.	Arunachala college of engineering for women	Marthandam	03	
8.	Arunachala college of engineering for women	Nagercoil	01	
9.	Arunai Engineering College	Tiruvannamalai Tamil	01	
10.	AUDISANKARA INSTITUTE OF TECHNOLOGY	NELLORE	01	
11.	AVC COLLEGE OF ENGINEERING	MAYILADUTHURAI	01	
12.	BANNARI AMMAN INSTITUTE OF TECHNOLOGY	ERODE	11	
13.	Basaveshvar Engineering College	Bagalkot	14	
14.	Bethlahem Institute of Engineering	Marthandam	01	
15.	Bharath Corporate, India	Coimbatore	02	
16.	Bharath Institute of Higher Education and Research	Chennai	01	
17.	BHIMAVARAM INSTITUTE OF ENGINEERING AND	BHIMAVARAM	01	
18.	Bholabhai Patel College of Computer Studies	Gandhinagar	01	
19.	BIT,sathy	Erode	01	
20.	C.ABDUL HAKEEM COLLEGE (AUTONOMOUS)	Ranipet District	01	
21.	CAMELLIA INSTITUTE OF ENGINERRING &	Kalyani	01	
22.	Chitkara University	BADDI	01	
23.	College of engineering roorkee uttarakhand	Haridwar	01	
24.	D. Y. Patil Institute of MCA and Management, Akurdi,	Pune	01	
25.	D.N.R College of Engineering and Technology	BHIMAVARAM	01	
26.	Dhanalakshmi srinivasan engineering college	Perambalur	01	
27.	DNR COLLEGE OF ENGINEERING & TECHNOLOGY	Bhimavaram	04	
28.	Dr. Rammanohar Lohia Avadh University Ayodhya	Ayodhya	01	
29.	Dr.N.G.P ARTS AND SCIENCE COLLEGE	Coimbatore	02	
30.	Dr.Umayal Ramanathan College for Women	Karaikudi	01	
31.	Er.permula manimekalai college of engineering	Hosur	01	
32.	EXCEL BUSINESS SCHOOL	NAMAKKAL	02	

33.	Excel College of Engineering and Technology	Namakkal	01
34.	EXCEL POLYTECHNIC COLLEGE	NAMAKKAL	01
35.	Francis Xavier Engineering College	Tirunelveli	07
36.	G Pullareddy engineering college	Kadapa	01
37.	Ganadipathy Tulsi's Jain Engineering College	Vellore	01
38.	GEC BARTON HILL	Trivandrum	01
39.	Gnanamani college of technology	Namakkal	01
40.	Government College of Engineering, Tirunelveli	Tirunelveli	01
41.	GOVT. ARTS AND SCIENCE COLLEGE, GUDALUR,	The Nilgiris	01
42.	IARE	HYDERABAD	01
43.	Jai shriram engineering college	Tirupur	01
44.	Jawaharlal College of Engineering and Technology	Palakkad	02
45.	Jeppiaar engineering college	Chennai	01
46.	Jeppiaar maamallan engineering college	Chennai	03
47.	JEPPIAAR SRR ENGINEERING COLLEGE	Chennai	03
48.	Jerusalem College of Engineering	Chennai	01
49.	K. Ramakrishnan College of Engineering	Trichy	02
50.	K.S.R College of Engineering	Namakkal	01
51.	Kalasalingam Academy of Research and Education	Virudhunagar	01
52.	Karpagam Academy of Higher Education	Coimbatore	02
53.	Karunya Institute of Technology and Sciences	COIMBATORE	01
54.	KEC	Erode	01
55.	Kings College of Engineering	Thanjavur	27
56.	Kings college of engineering	Chennai	01
57.	KLE'S BCA HUBLI	Hubli	01
58.	Kongu engineering college	Dharmapuri	10
59.	KONGUNADU POLYTECHNIC COLLEGE	Trichy	01
60.	KPR INSTITUTE OF ENGINEERING AND	COIMBATORE	01
61.	LNCT BHOPAL	Bhopal	01
62.	Loyola College	Chennai	01
63.	LTI(L&t infotech)	Trichy	01
64.	M.A.M. College of Engineering	Trichy	01
65.	Madanapalle Institute of Technology & Science	Madanapalle	01
66.	MAHENDRA COLLEGE OF ENGINEERING	SALEM	01
67.	Mahendra Engineering College	Mayiladuthurai	01
68.	Mahendra Engineering College	Namakkal	01
69.	Mahendra Institute of Technology	Salem	01
70.	MAILAM ENGINEERING COLLEGE	Villupuram	03

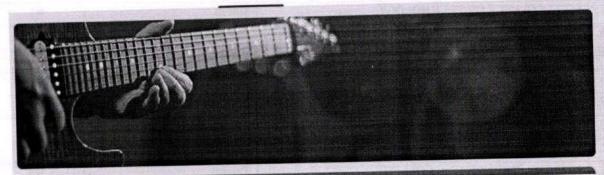
110.	Sethu Institute of Technology	Virudhunagar	02
111.	Shadan Women's College of Engineering and	Hyderabad	01
112.	Shanmuga Industries Arts & Science College,	Tiruvannamalai	02
113.	Shree Rayeshwar Institute of Engineering &	Ponda, Goa	01
114.	Siddaratha institute of science and technology	Puttur	01
115.	SONA COLLEGE OF TECHNOLOGY	Salem	01
116.	Sri krishna college of engineering and technology	Salem	01
117.	Sri Ramakrishna Institute of Technology	Coimbatore	01
118.	Sri Ranganathar Institute of Engineering and	Coimbatore	01
119.	SRI SAI RAM INSTITUTE OF TECHNOLOGY	Chennai	02
120.	Sri Sairam college of engineering	Bangalore	01
121.	Sri venkateshwaraa College of engineering and	Pondicherry	01
122.	SRM TRP ENGINEERING COLLEGE	Trichy	02
123.	SRM Valliammai Engineering College Chennai	Chennai	01
124.	St joseph's college(Autonomous)trichy-02	Trichy	05
125.	St. Peter's College of engineering and technology	Chennai	01
126.	St. Xavier's Catholic College of Engineering	Nagercoil	02
127.	St.Joseph's College of Engineering and Technology	Thanjavur	01
128.	St.Mother Theresa Engineering College	Tuticorin	02
129.	Surya Group Of Institutions	VIKRAVANDI	02
130.	Swamy abedhanandha polytechnic college	Tamilnadu	01
131.	Thiagarajar college of engineering	Madurai	02
132.	Trini-PI Technology Solutions Private Limited	Chennai	01
133.	V.s.b college of my engineering technical campus	Coimbatore	01
134.	VALLEY VIEW UNIVERSITY	EJURA	01
135.	Vel Tech High Tech Dr.RR Dr.SR Engg College Avadi	Chennai	01
136.	Visvesvaraya College of Engineering and Technology	Chennai	01
137.	VSB Engineering College	Vellakovil	01
138.	WOLLO UNIVERSITY, Ethiopia	Kombolcha	01
	Total No.	of Participants Registered.	260

Annexure: III **Registration Form**

Questions

Responses 260





KINGS-Webinar on "AGILE METHODOLOGY".

Kings College of Engineering, Punalkulam, Gandarvakkottai, Pudukkottai D.T.

Webinar date: 01-06-2020 @ 11.00 a.m to 12.00 pm.

Follow this link to join in our Whatsapp group (KINGS WEBINAR - AGILE METHODOLOGY) for further communication. https://chat.whatsapp.com/KuXZLpZSq677tD8n0mc6RA

Email address *









110.	Sethu Institute of Technology	Virudhunagar	02
111.	Shadan Women's College of Engineering and	Hyderabad	01
112.	Shanmuga Industries Arts & Science College,	Tiruvannamalai	02
113.	Shree Rayeshwar Institute of Engineering &	Ponda, Goa	01
114.	Siddaratha institute of science and technology	Puttur	01
115.	SONA COLLEGE OF TECHNOLOGY	Salem	01
116.	Sri krishna college of engineering and technology	Salem	01
117.	Sri Ramakrishna Institute of Technology	Coimbatore	01
118.	Sri Ranganathar Institute of Engineering and	Coimbatore	01
119.	SRI SAI RAM INSTITUTE OF TECHNOLOGY	Chennai	02
120.	Sri Sairam college of engineering	Bangalore	01
121.	Sri venkateshwaraa College of engineering and	Pondicherry	01
122.	SRM TRP ENGINEERING COLLEGE	Trichy	02
123.	SRM Valliammai Engineering College Chennai	Chennai	01
124.	St joseph's college(Autonomous)trichy-02	Trichy	05
125.	St. Peter's College of engineering and technology	Chennai	01
126.	St. Xavier's Catholic College of Engineering	Nagercoil	02
127.	St.Joseph's College of Engineering and Technology	Thanjavur	01
128.	St.Mother Theresa Engineering College	Tuticorin	02
129.	Surya Group Of Institutions	VIKRAVANDI	02
130.	Swamy abedhanandha polytechnic college	Tamilnadu	01
131.	Thiagarajar college of engineering	Madurai	02
132.	Trini-Pl Technology Solutions Private Limited	Chennai	01
133.	V.s.b college of my engineering technical campus	Coimbatore	01
134.	VALLEY VIEW UNIVERSITY	EJŪRA	01
135.	Vel Tech High Tech Dr.RR Dr.SR Engg College Avadi	Chennai	01
136.	Visvesvaraya College of Engineering and Technology	Chennai	01
137.	VSB Engineering College	Vellakovil	01
138.	WOLLO UNIVERSITY, Ethiopia	Kombolcha	01
	Total No.	of Participants Registered.	260

Annexure: IV Feedback Form

Questions

Responses 204



Total points: 0



Feedback Form

Webinar on " AGILE METHODOLOGY" - (01 JUNE 2020)

Email address *

Valid email address

This form is collecting email addresses. Change settings





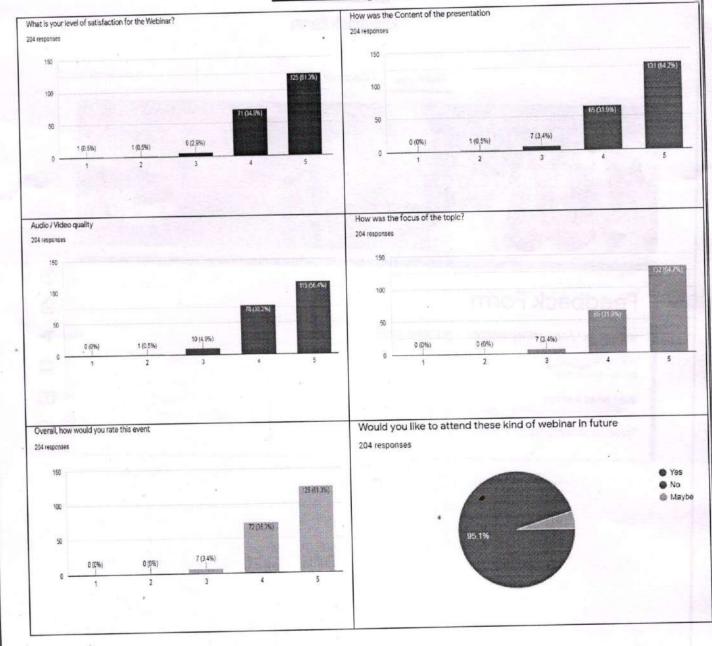






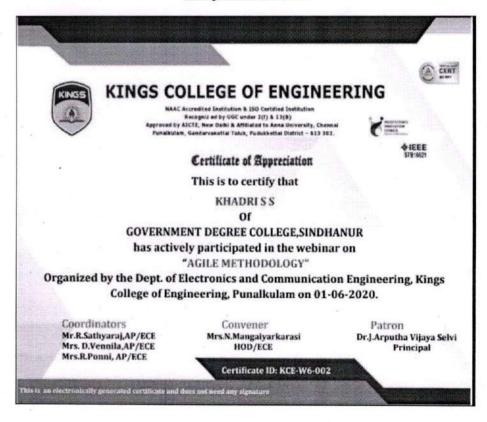
Annexure: V

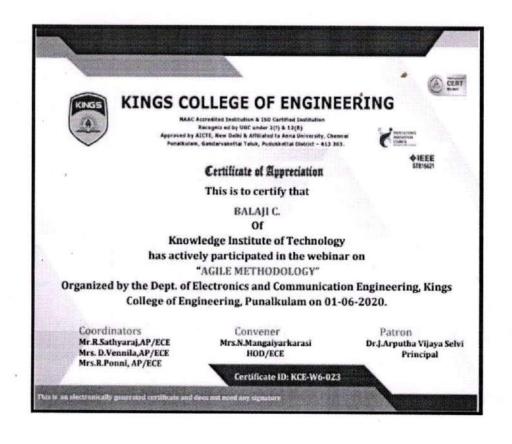
Feedback Response



Annexure: VI

Sample Certificates





Chief Guest Profile

Srinath S,

Technical Lead at TCS

About

An IT Executive with responsibility and proven track record in Industry. Seasoned professional in Business Analysis, Quality Assurance and Program management with 7+ years of experience. Majorly worked on transformation projects and proved good track record in quick turnaround of critical projects, increasing productivity, quality and customer satisfaction. Result driven professional and expertise in global delivery model handling teams across offshore and onshore locations. An effective leader skilled in Planning, Estimation, Scheduling, Resource Management, Executing & Controlling and Escalation. Decisive, energetic, focused team leader leading high performing teams and consistently demonstrates leadership and relationship management skills. Expertise in Global Delivery model handling teams across UK and India. Rich experience in Testing Strategy and Portfolio management and good knowledge in Insurance & banking Domains

- Building and managing relationship with business and client executives.
- Extensive testing experience in Core banking, Debit cards and ATM.ISTQB certificated tester.
- Hands on experince with many banking products like Profile,Base24,Conex,Base2000 and simulator(Versa, Brdige test tool, Lexicel)
- Experienced in test automation with Mainframe applications using QTP, Selenium & Cucumber.
- Extensive work experience on Regression Testing, Functional testing, System Testing and User Interface Testing.
- Project and Program Management.
- QA and Process Improvements.

Key Skills: Test Lead, Mainframe Testing, Functional testing, Test Automation(Selenium ,QTP,Cucumber) Test Optimization, SOAP UI tool, Requirement Analysis, Test Planning & Estimations, Test case writing, Defect management, Reporting and RCA.

Experience

Technical Lead

Tata Consultancy Services

Apr 2017 - Present4 years 10 months

Chennai, Tamil Nadu, India

- Building and managing relationship with business and client executives.
- Extensive Domain experience in Core banking, Debit cards and ATM.
- Hands on experience with many banking products like Profile,Base24,Conex,Base2000 and simulator(Versa, Brdige test tool, Lexicel)
- Experienced in test automation like selenium webdriver and appium.
- Extensive work experience on Regression Testing, Functional testing, System Testing and User Interface...

Senior Software Engineer

May 2016 - Apr 20171 year

Chennai Area, India

- Manage Program / Project level.
- Responsible for development and testing program
- Automation Strategy design and implementation
- Involved in Performance testing approach and design
- Conduct Test Requirement gathering sessions and review the Requirements Traceability Matrix
- Worked on TCOE Process implementation effort
- Organize business review meetings with customer for continuous improvements
- Project planning, budgeting, scheduling and...

Show more

Software Engineer

<u>CSC</u>

Aug 2013 - May 20162 years 10 months

Hyderabad Area, India

- Implemented Requirement Ambiguity testing and driving for each release
- Executing and Monitoring the Automation strategy and implementation design, development and execution phase
- Ensure client satisfaction goals and Contractual commitments are met.
- Conducting regular touch points with business and other application teams to review the deliverables.
- Interfacing with the Project managers, technical architects and business for each application.
- Worked on improving the...

Show more

Software Engineer

FusioNext Technologies Pvt Ltd

Jan 2013 - Aug 20138 months

Chennai, Tamil Nadu, India

HR Executive

MeritTrac Services

Jan 2012 - Jan 20131 year 1 month

Chennai

People Mangement,Resource Planning, Recruitment co-ordination, client interaction,people assessment,individual certification, campus recruitment co-ordination

Education

IIKM Business School

Master of Business Administration (MBA)Finance and Systems

2015 - 2017

Sriram Engineering College

Bachelor of Technology (B.Tech.)Information Technology

2008 - 2012

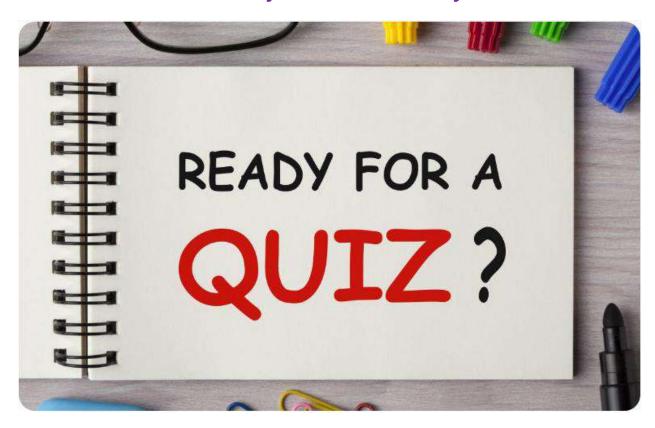


A REPORT

FOR ONLINE QUIZ PROGRAM ON

"GENERAL AWARENESS".

From 28th May 2020 to 31st May 2020



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

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A GLIMPSE ON THE BACKGROUND OF QUIZ PROGRAM:

In KCE, Department of Electronics and Communication Engineering organized an online Quiz program on "**General Awareness**" from 28-05-2020 to 31-05-2020 for Faculty, students and others.

The main objective of this online quiz program is to utilize the lockdown period to test our knowledge in current affairs, Aptitude and general intelligence.

Under the guidance of our principal madam, Dr. J. Arputha Vijaya Selvi, we hosted this online Quiz program. Mrs. N.Mangaiyarkarasi, HOD/ECE, was the convener of our Quiz program. Mr. P.Rajapirian, AP/ECE and Mrs.D.Vennila, AP/ECE were the coordinators of this Program.

OVERVIEW OF THE QUIZ PROGRAM:

The online quiz program was planned to conduct in the title of "General Awareness". It consists of 20 multiple choice questions, which includes general knowledge, current affairs, Aptitude etc. These questions were prepared in google forms and the participation link was created.

The participation link and brochure was posted in various Whats App Groups.

Participation Link: https://tinyurl.com/KCEQUIZ

We have received 293 responses from 67 various institutions. For each question 5 points were allotted. So totally the quiz program was conducted for 100 marks. If the participants secured 50% of the marks, they are awarded with an E-Certificate.

OUTCOME:

We received 293 responses from 67 various institutions. Among the 293 participants, 252 participants cleared the quiz program with a score of 50% and above. E-Certificates were given to the participants through their respective E-mail Id.

An overwhelming response was obtained from various participants after receiving their certificate.

Thus the quiz program was conducted successfully.

Annexure: I (Brochure)









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ONLINE QUIZ PROGRAM ON "GENERAL AWARENESS" Organized by

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING.

DATE: 28/5/2020 to 31/05/2020

Participation Link.

https://tinyurl.com/KCEQUIZ

*E-Certificate will be provided for the participants

Coordinators

Mr. P.Rajapirian, AP/ECE Mrs.D.Vennila.AP/ECE Convener

Mrs.N.Mangaiyarkarasi HOD/ECE Patron

Dr.J.ArputhaVijaya Selvi PRINCIPAL

Annexure: II (LIST OF PARTICIPANTS)

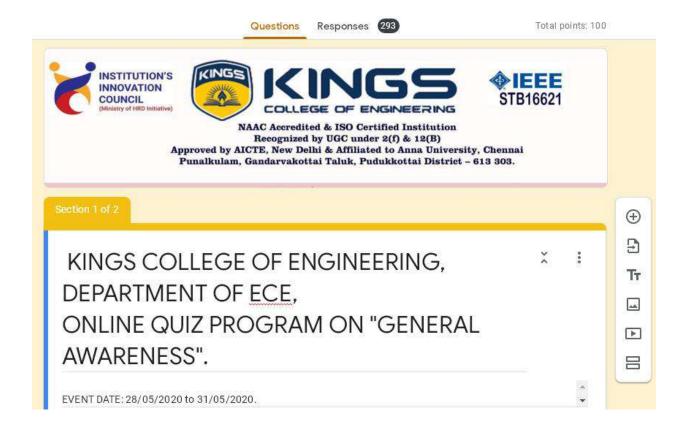
	NAME OF THE INSTITUTION	PLACE	NO. OF PARTICIPANTS		
S.NO		I LACE	STUDENT	STAFF	
1.	Avinashilingam University	Coimbatore	01	-	
2.	Annai Velankanni Arts And Science College	Thanjavur	-	01	
3.	Allwin Higher Secondary school.	Thanjavur	01	-	
4.	Annai vailankanie arts and science college	Thanjavur	01	-	
5.	Ambiga College of Arts and Science for Women	Madurai	01	-	
6.	Amalraj matric hr sec school	Tanjore	02	-	
7.	Annamalai University	Thiruvannamalai	01	-	
8.	Cauvery college for women Trichy	Trichy	-	2	
9.	Christ College of Engineering and Technology	Puducherry	-	1	
10.	Dhanalakshmi Srinivasan Arts and Science College	Perambalur	1	-	
11.	Dr.NGP arts and science college	Palani ,dindugul	1	-	
12.	Excel engineering college	Namakal	7	-	
13.	EGS Pillay Engineering College	Hosur	4	-	
14.	Er. Perumal Manimekalai college of engineering Hosur	Nagapattinam	05	1	
15.	Excel engineering college	Madurai	1	-	
16.	Fatima Michael Collage Of Engineering And Technology, Madurai	Thanjavur	1	-	
17.	Excel engineering college	Madurai	1	-	
18.	Fatima Michael College of Engineering and Technology, Madurai.	Veppadai	1	-	
19.	Gnanamani College Of Technology	Mallasamudram	-	1	
20.	Gnanodaya International School (CBSE)	Rasipuram	1	-	

21.	Idhaya Engineering college for women	ChinnaSalem	-	1
22.	Garden City University	Banglore	1	-
23.	Government college of engineering SENGIPATTI thanjavur	Tanjore	1	-
24.	Idhaya Engineering college for women	ChinnaSalem	10	1
25.	Government Arts College	Tiruvannamalai	10	1
26.	JJ college of engineering and technology.Trichy	Trichy	1	-
27.	K.Ramakrishnan College of Technology	Trichy	11	02
28.	K.L.N. College of Engineering	Madurai	01	-
29.	Kings College of engineering	Thanjavur	34	13
30.	Kit And Kim	Karatkudi	02	-
31.	Kongunadu college of engineering and technology	Thottium	01	-
32.	Kunthavai Naachiyar government Arts college (w) Autonomous	Thanjavur	01	-
33.	Mr.Raja veeran	Leaders academy	02	-
34.	Maxwell Matriculation Higher Secondary School	Thanjavur	01	-
35.	MVJCE	Bangalore	03	02
36.	Meenakshi sundrarajan engineering college	Chennai	1	-
37.	Model school Ramapuram	Namakkal	10	-
38.	Mahendra institute of technology	Namakkal	1	2
39.	Narasu's Sarathy Institute of Technology	Salem	02	1
40.	NANS Matriculation school	Madurai	05	1
41.	Nizwa College of Technology	Nizwa	05	2
42.	Paavai engineering college	Namakkal	45	1
43.	P.S.R.Engineering College	Virudhunagar	03	-
44.	Paavai engineering college	Thiruchengode	01	_

45.	Paavai institutions	Vellore	04	-
46.	Pnc & vijai institute of engineering and technology	Narasaraopet	01	-
47.	Paladugu nagaiah chowdary and vijay institute of enginnering and technology	Guntur	04	-
48.	Pandian Saraswathi yadav Engineering college	Madurai	03	-
49.	Pandiyan Saraswathi Yadav Engineering College	Sivagangai	02	-
50.	Sathyabama Institute of Science and Technology	Chennai	-	01
51.	Sai tirumala NVR engineering college	Chilakaluripet	1	-
52.	RVS College	Trichy	10	1
53.	Shanmuga industries arts & science college	Thiruvannamalai	-	1
54.	SASTRA	Tanjore	1	
55.	Sri Raaja Raajan college of Engineering and technology	Karaikudi	11	1
56.	sri ramakrishna engineerig college	coimbatore	05	-
57.	SRRCET	karaikudi	04	-
58.	St.michael college of engineering and Technology	Sivagangai	03	-
59.	St. Petres institute of Higher Education and research Avadi Chennai-54	Chennai	01	01
60.	St.Joseph's matric Higher Secondary school	Madurai	1	-
61.	St. Michael college of engineering and technology	Parthibanur	1	-
62.	Tirumala Engineering College	chilakaluripet	1	-
63.	The krisar academy	Ranipet	2	-
64.	Tirmula Engineering College	Guntur	8	2
65.	Tirumala engineering college, narasarapet	Chilakaluripet	2	-

66.	Surya engineering college	Erode	1	-
67.	Velammal college of engineering and tecnology .Madurai	Madurai	5	-
	Total no. of Participants		253	40

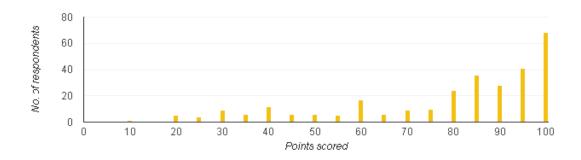
Annexure: III (REGISTRATION FORM)



Annexure: IV (RESPONSES)

Average 78.5/100 points Median 85/100 points Range 10-100 points

Total points distribution



<u>Annexure: V</u> (SAMPLE CERTIFICATES)



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(A) CERT

Cert. ID:UVPVOI-CE000215 Date: 30-5-2020

Certificate of Appreciation

ONLINE QUIZ PROGRAM ON "GENERAL AWARENESS"

This is to certify that Dr.E.SATHYA, Shanmuga industries arts & science college, has participated and successfully completed the online quiz program on "General Awareness" organized by Department of ECE, Kings College of Engineering, Punalkulam, We highly appreciate your knowledge.

Coordinator Coordinator HOD (i/c) Principal Mr.P.Raja Pirian Mrs. D.Vennila Mrs.N.Mangaiyarkarasi Dr.J.ArputhaVijaya Selvi

This is an electronically generated certificate and does not need any signature



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(A) CERT

Cert. ID:UVPVOI-CE000213 Date: 30-5-2020

Certificate of Appreciation

ONLINE QUIZ PROGRAM ON "GENERAL AWARENESS"

This is to certify that Joys Preethi. R. Pandiyan Saraswathi Yadav **Engineering College**, has participated and successfully completed the online quiz program on "General Awareness" organized by Department of ECE, Kings College of Engineering, Punalkulam, We highly appreciate your knowledge.

Coordinator Coordinator HOD (i/c) Mr.P.Raja Pirian Mrs. D. Vennila

Principal

Mrs.N.Mangaiyarkarasi Dr.J.ArputhaVijaya Selvi

This is an electronically generated certificate and does not need any signature

Annexure: VI (QUIZ QUESTIONS)

- 1. What is coronavirus?
- A. It is a large family of viruses.
- B. It belongs to the family of Nidovirus.
- C. Both A & B are correct.
- D. Only A is correct.
- 2. Name a clinical trial in which blood is transfused from recovered COVID-19 patients to a coronavirus patient who is in critical condition?
- A. Plasma therapy
- B. Solidarity
- C. Remdesivir
- D. HYdroxychloroquine
- 3. Name the vaccine that is jointly developed by the German company BioNTech and US pharma giant pfizes for COVID-19?
- A. BNT162
- B. PICOVACC
- C. Both A & B
- D. Neither A nor B.
- 4. What is the name of the first indigenous testing kit for COVID-19 in India, which was launched at pune?
- A. Patho detect
- B. Covid detect
- C. India detect
- D. Mylab detect
- 5. World health organization (WHO)declared COVID-19 as a pandemic which disease was previously declared as pandemic by WHO?
- A. H1N1 Influenza
- B. HIV
- C. Swine Flu
- D. Spanish Flu
- 6. The operation clean art has been launched to protect which species in India?

- A. Tiger
- B. Ganges dolphin
- C. Mongoose
- D. Olive ridley turtle

7. Which is the capital of Hungary?

- A. Budapest
- B. Quito
- C. Banjur
- D. Addis

8. The Cauvery delta region, which is set to be declared a protected special agriculture zone, is located in which state?

- A. Karnataka
- B. Tamilnadu
- C. Kerala
- D. Andhra Pradesh

9. "Macintosh" an operating system is a product of?

- A. Microsoft
- B. Apple
- C. Intel
- D. Google

${\bf 10. The\ worlds\ smallest\ country\ is}$

- A. Canada
- B. Russia
- C. Maldives
- D. Vatican city

11. Ball pen function on which one of the following principal?

- A. Boyles law
- B. Gravitational force
- C. Surface tension
- D. Viscocity

12	.Find c, if 5c - 2=33.
A.	<u>7</u>
B.	9
C.	11
D.	13
13	.A fruit seller had some apples. He sells 40% apples and still has 420 apple
	originally he had
A.	588 Apples
B.	672 Apples
C.	600 Apples
D.	700 Apples.
14	.A man is 24 years older than his son. In two years, his age will be twice the
	of his son. The present age of his son is
A.	14 Years
B.	20 Years
C.	18 Years
D.	22 Years
15	.207.301 - 171.092 + 781.88 - 11.35 - 0.729 = ?
	812.01
	801.01
	818.01
	806.01
υ.	000.01
16	A mixture contains milk and water in the ratio of 4:3. If 5 liters of water is added to the mixture, the ratio becomes 4:5. Find the quantity of milk in tigiven mixture.
A.	<u>10</u>
B.	15
C.	12
D.	18
17	.If in a certain language, NOIDA is coded as OPJED, how is DELHI coded in t language?

E. FGNJK D. IHLED	
8.A man buys an article for Rs. 27.50 and sells it for Rs. 28.60. Find his	gain
percent.	
1. 1%	
3. 2%	
2. 3%	
). <u>4%</u>	
9.Insert the missing number. 10, 5, 13, 10, 16, 20, 19,	
a. 22	
3. <u>40</u>	
. 38	
0. 23	
CO.Find the missing letters.RQP, ONM,, IHG, FED. A. CDE B. LKI C. LKI	
D. BAC	

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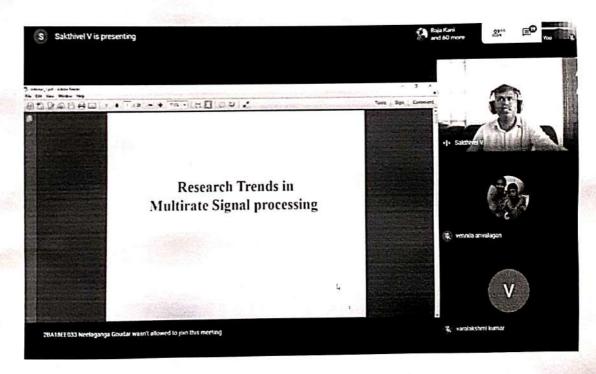
Approved by AICTE, New Delhi & Affiliated to Anna University, Chenna

Department of Electronics & Communication Engineering

Free Webinar

on

Recent Trends in Multirate Signal Processing



Speaker

: Dr. V.Sakthivel

Profession

: Asst.Professor, National Institute of Technology,

Calicut, Kerala.

Date & Time

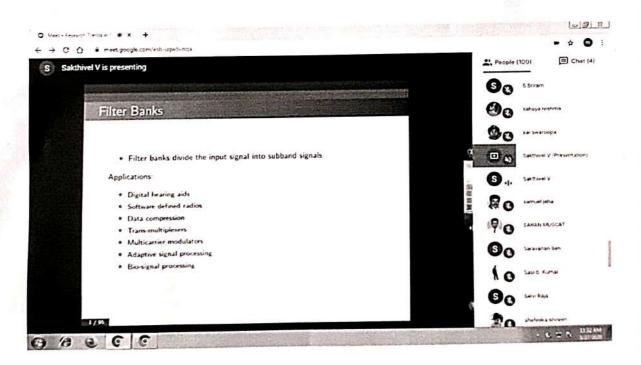
: 27.05.2020 & 11.00 a.m. to 12.30 p.m.

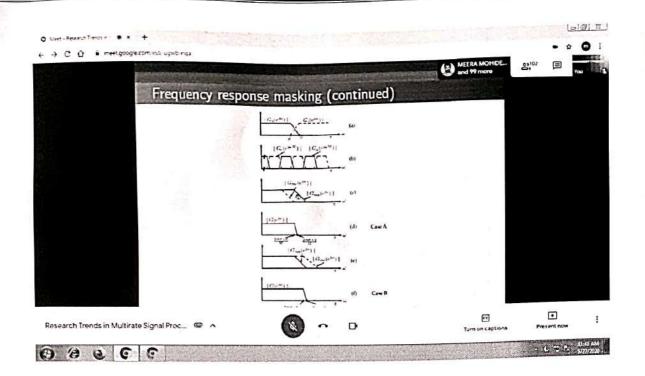
Objective:

Multirate simply means "multiple sampling rates". A multirate DSP system uses multiple sampling rates within the system. Whenever a signal at one rate has to be used by a system that expects a different rate, the rate has to be increased or decreased, and some processing is required to do so. The webinar provides an ideal platform for academicians to discuss and showcase the research trends in signal processing.

Presentation details:

Free Webinar on Recent Trends in Multirate Signal Processing was conducted on 27.05.2020 between 11:00 a.m. to 127:30 p.m. for external and internal participants. Total of 252 registration from 81 institution all over the nation and 149 active participation was made. Mr.R.Thandayuthapani, AP/ECE, hosted the event. Mrs.N.Mangaiyarkarsi, HOD/ECE welcomed and introduced the resource person. The session was presented by Mr. Dr.Sakthivel, Asst.Professor, National Institute of Technology, Calicut, Kerala.





Number of participants:

S.No	Name of the Institution	No.of Participants
1.	AAA COLLEGE OF ENGINEERING AND TECHNOLOGY	01
2.	Adishankara Institute of Engineering and Technology	02
3.	Alagappa chettiar Govt.college of Engg.& Tech, karaikudi	03
4.	Anjalai Ammal Mahalingam Engineering College	01
5.	ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, RAJAMPET	03
6.	Annapoorana Engineering College	01
7.	ARI college of engineering and technology	01
8.	ANNAI VELANKANNI ARTS AND SCIENCE COLLEGE	01
9.	THANJANUR Basaveshwar engineering college Bagalkot	04
10.	BVC Institute of Technology and Science	04
11.	Bonam Venkata Chalamayya Institute of Technology and Science Amalapuram	01
12.	Combined Institute of Technology	01
13.	Chalapathi institute of engineering and technology	01
14.	Dhaanish Ahmed Institute of Technology	01
15.	Dhanalakshmi Srinivasan engineering college.	01
16.	GRT INSTITUTE OF ENGINEERING AND TECHNOLOGY	01
17.	GARDEN CITY UNIVERSITY	01
18.	Gnanamani College of Technology	01
		01
19. 20.	INDRA GANESAN COLLEGE OF ENGINEERING, TRICHY	02

21. JAI SHRIRAM ENGINEERING COLLEGE	01
22. Kings College of Engineering	24
23. KIT-Kalaignarkarunanidhi Institute of Technology	01
24. KONGU ENGINEERING COLLEGE	07
25. Madanapalle Institute of Technology & Science	01
26. Mahendra engineering college	03
27. Mea engineering college	01
28. MNSK COLLEGE OF ENGINEERING	01
29. MOOKAMBIGAI COLLEGE OF ENGINEERING	08
30. Mohamed Sathak Engineering college	01
31. Muthayammal Engineering College	01
32. Nandha Engineering College (Autonomous)	01
33. N.S.N. COLLEGE OF ENGINEERING AND	01
TECHNOLOGY,KARUR	
34. Narasu's Sarathy Institute of Technology	01
35. P.R.ENGINEERING COLLEGE	01
36. PARKS College	01
37. PANIMALAR ENGINEERING COLLEGE	01
38. PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY	07
39. Sri Krishna College of Engineering and Technology	05
40. SA Engineering College	02
41. Sir Issac newton college of engg and tech.	01
42. Sri Manakula Vinayagar Engineering College, Puducherry	03
43. Sri Ramakrishna engineering college	01
44. Sri Ramakrishna Institute of Technology	06
45. Sri Eshwar College of Engineering	01
46. Solamalai College of engineering	01
47. Sri Venkateshwara College of Engineering	02
48. SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY	04
49. St.Joseph's College of Engineering & Technology ,Thanjavur	06
50. Swarnandhra College of Engineering and Technology	01
51. University College of Engineering Thirukuvalai	01
52. Velammal College of Engineering and Technology	10
53. Veltech Hightech DR.RR & DR.SR Engineering College	02
54. TOCE	01
55. The Oxford College of Engineering	04
56. Trichy Engineering College	01
57. Trini-PI Technology Solutions Private Limited	01
58. University College of Engineering Ariyalur	01
59. Vision Institute of Technology	01
Total	149

Prepared by

Mr.R.Thandayuthapani, AP/ECE

HOD HOD

Mrs.N.Mangaiyarkarasi









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

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennat

Punalkulam, Gandarvakottai Taluk, Pudukkottai District – 813 303.

A REPORT

ON LIVE ONLINE WEBINAR TITLED

"OVERVIEW OF MACHINE LEARNING, DEEP LEARNING AND NATURAL LANGUAGE PROCESSING USING PYTHON".

27th May 2020



Organized by

Department of Electronics and Communication Engineering

KINGS COLLEGE OF ENGINEERING, PUNALKULAM

A NAAC Accredited Institution

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Phone: 04362-282474, 282395

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A Glimpse on the Background of Webinar:

In KCE, Department of Electronics and Communication Engineering, has organized a online Webinar titled "OVERVIEW OF MACHINE LEARNING, DEEP LEARNING AND NATURAL LANGUAGE PROCESSING USING PYTHON" on 27th May 2020 from 2.00p.m to 3.00 p.m.

The main objective of this Webinar is to utilize the lockdown period by providing the basic knowledge about the machine learning, Deep learning and NLP Algorithm using Python.

Under the guidance of our Principal, Dr. J. Arputha Vijaya Selvi, we hosted this Webinar. Mrs. N.Mangaiyarkarasi, HOD/ECE was the convener of our webinar. Mrs.R.Ponni, AP/ECE, Mr.R.Sathyaraj, AP/ECE & Mrs.D.Vennila, AP/ECE were the program coordinators.

OVERVIEW OF THE WEBINAR: ABOUT THE RESOURCE PERSON:

The resource person for the webinar was Dr.P.Manimegalai, M.E.,Ph.D, Associate Professor, Department of Biomedical Engineering, Karunya Institute of Technology and Sciences, Coimbatore.

ABOUT THE REGISTRATION PROCESS:

The webinar was planned to conduct via Cisco Webex meet platform. The registration link was created through Google forms and the link was posted in various Whats app groups.

Registration Link: https://forms.gle/c2ZwvuoY8jWp18PcA.

We have received 458 responses from various institutions. Before one day of the Webinar, we have stopped receiving the registration response. For all the registered participants we gave the confirmation mail for our Webinar participation. Then the registered participant were asked to join in our Whats App group named "KINGS ECE WEBINAR". On that day of the program, the webinar webex link was given to all the registered participants 1 hour before the commencement of the program through their E-Mail Id and also through the Whats App group.

ABOUT THE WEBINAR:

The webinar was started at 2.00 p.m with 312 participants. Mrs. D.Vennila, AP/ECE coordinator of this webinar welcomed the resource person and the participants by the words and she gave

the Introduction about the Resource person. Then the session was handed over to the Resource person. She gave very clear explanation about the Title of the Webinar Machine learning, Deep Learning and NLP.

The purpose of machine learning is to discover patterns in your data and then make predictions based on often complex patterns to answer business questions, detect and analyze trends and help solve problems.

The purpose of Deep Learning is to improve the performance of a Deep Learning model the goal is to the reduce the optimization function which could be divided based on the classification and the regression problems.

The purpose of NLP is to analyze textual data in Python through the concepts of Natural Language Processing (NLP).

Finally she gave some real time examples by using the python codings.

At 3.15 she comes to the end of the session. The queries were asked by the participants for 10 minutes. She gave the answers for all the queries. At 3.30 p.m we have posted the Feedback link Via the chat box.

Feedback Link: https://forms.gle/7bUyKdfpoqipa1Ys5

Finally, Mrs. R.Ponni, AP/ECE coordinator of this webinar gave the vote of thanks with a words. Thus the program ended successfully.

OUTCOME:

We received 458 registration from 296 various Institutions.

Among the 458 registered participants 312 have attended the session.

All the 312 participants gave the feedback about the webinar via the Feedback Link.

The E-Certificate was provided to all the attendees through their E-mail Id.

Kinjewto - 2/6/2020

coordinator (5)

5. 1881 2020.

HOD 26/2020

Annexure: I BROCHURE









Recognized by Oct. meter 5(1) & 43(2)
Approved by AICTE. New Belli & Artikaled to Assa University. Creases
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Overview of Machine Learning, Deep Learning and Natural Language Processing using Python

Organized by

Department of

Electronics & Communication Engineering



Dr.P.Manimegalai,M.E.,Ph.D

Associate Professor

Department of Biomedical Engineering

Karunya Institute of Technology & Sciences

Coimbatore

27.05.2020 | 02:00 - 03:00 p.m.

E-certificates will be provided

Congunators

Mrs. R. Ponni, AP/ECE | Mrs. D. Vennila, AP/ECE | Mr. R. Sathyaraj, AP/ECE

Commission

Patrice

Mrs. N. Mangaiyarkarasi

Dr. J. Arputha Vijaya Selvi

Principal

Registration link https://forms.gle/c2ZwvuoY8jWp18PcA

Annexure: II

Registration Details

S.NO	Name of the Institution	CITY	No. of Participants
1.	AAA College of Engineering and Technology	Sivakasi	01
2.	Aarupadai Veedu Institute of Technology	Chennai	02
3.	Agni College of Technology	Chennai	01
4.	AKTMCET/KALLAKURICHI	TRICHY	01
5.	Al Sadiq Islamic English school	Dubai	01
6.	Acharya Nagarjuna University	Guntur	01
7.	ALIET	Gudivada	01
8.	AMET University	Chennai	01
9.	Amity University Lucknow	LUCKNOW	01
10.	Amrita Polytechnic College	Nagercoil	01
11.	Amrita School of Engineering, Coimbatore	Coimbatore	01
12.	Amrita Vishwa Vidyapeetham	Chennai	01
13.	Anand College of Engineering and Managementt, Kapurthala	Jalandhar	01
14.	Andhra Loyola Institute of Engineering and Technology	Vijayawada	02
15.	Anjalai ammal mahalingam engineering college	Thanjavur	03
16.	Anna university	Thanjavur	01
17.	Annai Velankanni College,Tholayavattam	Kanyakumari	01
18.	Annamacharya Institute of Technology and Sciences	Rajampet	02
19.	ANURAG ENGINEERING COLLEGE, KODAD	Khammam	01
20.	AP3 SOLUTIONS	Chennai	01
21.	APJ ABDUL KALAM UNIVERSITY, INDORE	GANGAVATHI	01
22.	APOLLO ARTS AND SCIENCE COLLEGE	Chennai	01
23.	APS UNIVERSITY REWA	REWA	01
24.	Arunai Engineering College	Tiruvannamalai	01
25.	Arcot sri mahalakshmi women's college	Vellore	01
26.	AUDISANKARA INSTITUTE OF TECHNOLOGY GUDUR	GUDUR	01
27.	Avinashilingam university	Palani	01
28.	AVS ENGINEERING COLLEGE	Salem	01
29.	Awadhesh pratap singh university rewa (m.p.)	Rewa	01
30.	Bharath Corporate, India	Coimbatore	02
31.	Bhaktavatsalam memorial college for women	Chennai	01
32.	BASVESHWAR ENGINEERING COLLEGE	Bagalkot	01

33.	Bharathi women's college	Chennai	05
34.	Bharath Institute of Higher Education and Research	Chennai	03
35.	BHIMAVARAM INSTITUTE OF ENGINEERING AND TECHNOLOGY	BHIMAVARAM	01
36.	Bholabhai Patel College of Computer Studies	Gandhinagar	01
37.	Bharathiyar institute of Engineering for women	Salem	01
38.	BHARATHIYAR INSTITUTE OF ENGINEERING FOR WOMEN, Deviyakurichi	Kallakurichi	01
39.	Bishop Ambrose College	Coimbatore	01
40.	Bishop Heber college	Trichy	03
41.	BVM Holy Cross college	Kottayam	01
42.	BVC Institute of Technology and Science	amalapuram	01
43.	Cauvery college for women Autonomous	Trichy	01
44.	CAPE INSTITUTE OF TECHNOLOGY	LEVENGIPURAM	01
45.	C.Abdul Hakeem College (Autonomous)	Ranipet District	01
46.	Cape institute of technology	Nagercoil	01
47.	Canara College	Mangalore	01
48.	Chitkara Univesity	BADDI	01
49.	Chendhuran College of Engineering and Technology	Karaikudi	01
50.	Chaitanya Deemed To Be University	warangal	01
51.	Coimbatore Institute of Engineering and Technology	Coimbatore	01
52.	COLLEGE OF ENGINEERING ROORKEE	ROORKEE	05
53.	CPCL POLYTECHNIC COLLEGE	CHENNAI	01
54.	CVR College of engineering	SECUNDRABAD	01
55.	DHANALAKSHMI SRINIVASAN ENGINEERING COLLEGE	Perambalur	02
56.	Dhirajlal Gandhi College of Technology	Salem	01
57.	D. Y. Patil Institute of MCA and Management, Akurdi, Pune	Pune	01
58.	DNR COLLEGE OF ENGINEERING AND TECHNOLOGY	BHIMAVARAM	05
59.	Dhanalakshmi Srinivasan College of Arts and Science for Women (Autonomous)	Trichy	01
60.	Dr. Rammanohar Lohia Avadh University Ayodhya	Ayodhya	01
61.	Dr. Sivanthi Aditanar College of Engineering Tiruchendur	Tiruchendur	01
62.	Dhirajlal Gandhi College of Technology	Salem	01
63.	DR.MGR EDUCATIONAL AND RESEARCH INSTITUTE	Chennai	02
64.	Dr.Umayal Ramanathan College for Women	Karaikudi	01
65.	Dnr College Of Engineering And Technology	BHIMAVARAM	05
66.	East West college of engineering Yelahanka	Bangalore	01
67.	EGS. College of Science	KARAIKAL	01
68.	Ejura Model JHS	Ejura	01

69.	Erode Sengunthar Engineering College	Coimbatore	01
		NAMAKKAL	04
71.		Namakkal	01
72.	Excel polytechnic college	SALEM	03
73.	Excel Engineering College	Komarapalayam	01
74.	Francis Xavier Engineering College	Tirunelveli	04
75.	Ganadipathy Tulsi's Jain Engineering College	Vellore	04
76.	Gnanamani college of technology	Namakkal	07
77.	Global Institute Of Management And Technology	NADIA	01
78.	Gobi arts & science college	Erode	01
79.	Goel Institute of Higher Studies Mahavidyalaya	LUCKNOW	01
80.	Government Arts and Science College, Avinashi 641654	Coimbatore	01
81.	GOJAN SCHOOL OF BUSINESS AND TECHNOLOGY	Chennai	01
82.	Govt.Degree College & PG Center,Sindhanur	Raichur	01
83.	Government Polytechnic Nagamangala	Karnataka	01
84.	Grace College of Engineering	Thoothukudi	01
85.	GOVT ARTS AND SCIENCE COLLEGE, GUDALUR	The Nilgiris	01
86.	H. H. THE RAJAH'S COLLEGE	PUDUKKOTTAI	01
87.	GSSSIETW Mysuru	Mysore	01
88.	Gurukul kangri vishwavidyalay	Haridwar	01
89.	Hindusthan College of Engineering and Technology, Coimbatore	Coimbatore	01
90.	Holy Cross Engineering College	Thoothukudi	01
91.	Ibri College of Technology, Ibri, Sultanate of Oman	IBRI 🎍	01
92.	Ibra college of technology	Muscat	01
93.	IARE	Hyderabad	01
94.	Institute Of Distance Education, University Of Madras	Chennai	01
95.	IFET college of engineering	Pondicherry	02
96.	Institute of Engineering and Industrial Technology, Sanaka Educational Trust's Group of Institutions, Durgapur, West	Durgapur	01
97.	Jansons Institute of Technology	Coimbatore	01
98.	IBAS COLLEGE FOR WOMEN	Chennai	01
99.	I S University Shikohabad	Shikohabad	01
100.	IPS Academy	INDORE	01
101.	JEPPIAAR SRR ENGINEERING AND	Chennai	04
102.		Chennai	04
103.		Chennai	03
104.		Kanchipuram	01
105.		GREATER NOIDA	01
106.		Karimnagar	03

107.	K.L.N.College of Engineering	Madurai	01
108.	K. Ramakrishnan college of engineering	Trichy	01
109.	705.kongunadu polytechnic college	Trichy	01
110.	Karpaga vinayaga college of engineering and tech.	Chennai	01
111.	Karpagam academy of higher education	Coimbatore	02
112.	Karpaga vinayaga college of engineering & technology	Chengalpattu	01
113.	Kalasalingam Academy of Research and Education	Virudhunagar	01
114.	KG COLLEGE OF ARTS AND SCIENCE	Coimbatore	01
115.	Karunya Institute of Technology and Sciences	Coimbatore	01
116.	Kings college of engineering	Thanjavur	30
117.	Knowledge Institute of Technology	Salem	22
118.	Kongu engineering colleges	Erode	05
119.	KPR Institute of Engineering and Technology	Coimbatore	02
120.	Krishna International School	Ramanathapuram	01
121.	KSR COLLEGE OF ARTS AND SCIENCE	Namakkal	01
122.	KSR College of Engineering	Namakkal	01
123.	ksr institute for engineering and technology	Erode	01
124.	Lakshmi Narain College of Technology and Science Bhopal	Bhopal	01
125.	LNCT BHOPAL	Bhopal	01
126.	Loyola College	Chennai	01
127.	Ludhiana group of colleges	Ludhiana	01
128.	Madanapalle Institute Of Technology And Science	Madanapalle, chittoor dist.	01
129.	M.B.M. Engineering College, Jodhpur	Jodhpur	01
130.	M.A.M College of Engineering	Puducherry	02
131.	Madurai Kamaraj University	Madurai	01
132.	Madhupur Polytechnic	Deoghar	01
133.	Mahakal institute of technology Ujjain	Ujjain	01
134.	Mahendra Engineering College(Autonomous),Namakkal	Namakkal	03
135.	MAHENDRA ENGINEERING COLLEGE	KARUR	01
136.	Mahendra Engineering College	Salem	02
137.	Mahendra Engineering College for Women	Erode	02
138.	Malla reddy engineering college	Hyderabad	04
139.	Maitreyi College, University of Delhi	New Delhi	01
140.	Malla Reddy Engineering College(autonomous)	Telangana	01
141.	Mahendra Institute of Technology	Namakkal	02
142.	Malla reddy engineering college (autonomous)	VUYYURU	01
143.	Manonmaniam sundaranar university	Thoothukkudi	01

144.	Mandsaur university	Mandsaur	01
145.	Manonmaniam Sundaranar University	Tirunelveli	04
146.	Manonmaniam Sundaranar University	Chidambaram	01
147.	Maratha Mandal Engineering College Belagavi	Belagavi	02
148.	MNSK COLLEGE OF ENGINEERING	Pudukkottai	02
149.	Muthurangam govt Arts college, vellore -632002	Vellore	01
150.	Mohammed Sathak Engineering College	Ramanathapuram	01
151.	N.S.N. College Of Engineering And Tech, KARUR	Namakkal	01
152.	N S Raju Institute Of Technology	Visakhapatnam	01
153.	Nandha Engineering College	Tirupur	01
154.	Narsinhbhai Institute of Computer Studies and Management, Kadi	Ahmedabad	01
155.	Narayana Engineering College	Nellore	01
156.	Narsinhbhai Institute of Computer Studies and Management	Kadi	01
157.	Nehru Arts and science college , Coimbatore	Coimbatore	01
158.	National College	Trichy	01
159.	NBKRIST	Nellore	01
160.	Nehru Institute of Engineering and Technology	Coimbatore	01
161.	New Prince Shri Bhavani Arts and Science College ,Medavakkam, Chennai	Chennai	04
162.	NICSM	Kadi	01
163.	NPCCSM	KADI	01
164.	NRI Institute of Technology, Agiripally	Vijayawada	01
165.	Others	Madipakkam,Chennai	01
166.	Pantech ProEd Pvt LTD	Tirunelveli	01
167.	Pondicherry Engineering College	Puducherry	01
168.	PANIMALAR ENGINEERING COLLEGE	Chennai	03
169.	Panimalar Institute of Technology	Chennai	02
170.	PET Engineering college	Tirunelveli	01
171.	PRATHYUSHA ENGINEERING COLLEGE	Chennai	02
172.	Pondicherry Engineering College	Puducherry	03
173.	Prince Dr k Vasudevan college of engineering and tech	Chennai	01
174.	P B Siddhartha College Of Arts And Science	Vijayawada	01
175.	Pondicherry University Community College	Puducherry	01
176.	Pillai College of Engineering, New Panvel	Navi Mumbai	01
177.	PSN College of Engineering and Technology	Tirunelveli	01
178.	Pscmr college of engineering and technology	Vijayawada	01
179.	Psna college of engineering and technology	TUTICORIN	01
180.	PSNA college of engineering and technology	Dindigul	03

181.	Prince Shri Venkateshwara Arts and Science College	Chennai	01
182.	Prince Dr. K. Vasudevan College of Engineering and Technology	Kelambakkam	01
183.	Queen Mary's college	Chennai	01
184.	RNS INSTITUTE OF TECHNOLOGY	Bengaluru	01
185.	R M.D.ENGINEERING COLLEGE	Chennai	01
186.	RISE krishna sai prakasam group of institutions	Ongole	01
187.	ramakrishna mission vivekananda college.	Chennai	01
188.	Ramachandra college of engineering	Gudivada	01
189.	Rohini college of Engineering and Technology	Kanyakumari	01
190.	REVA UNIVERSITY	BANGALORE	01
191.	Rathnavel Subramaniam college of Arts and Science	Coimbatore	01
192.	Rathinam Technical Campus	Coimbatore	02
193.	RVS College of Engineering	Dindigul	01
194.	Rabindrasadan Girls' College	Karimganj, Assam	01
195.	R R P G College Amethi	Amethi	01
196.	SRMIST	Chennai	01
197.	Scient Institute Of Technology	Hyderabad	01
198.	SRM TRP Engineering College	Tiruchirapalli	02
199.	Sri Shakthi Institute Of Engineering And Technology	Coimbatore	01
200.	Sathyabama Institute of science and technology	Chennai	14
201.	Selvam College Of Technology	NAMAKKAL	01
202.	SRM IST	Kattankulathur	01
203.	SNS College of Technology, Coimbatore	Coimbatore	01
204.	School of CSE,VIT VELLORE	Véllore	01
205.	Shanmuga industries arts and science college	Tiruvannamalai	01
206.	Sarvodaya College of Computer Science Rajkot Gujarat India	Rajkot	01
207.	Sengunthar Engineering College	Tiruchengode	01
208.	Shanmuga Industries Arts & Science College	Tiruvannamalai	01
209.	Sri Meenakshi Vidiyal Arts And Science College	TRICHY	01
210.	Shree Rayeshwar Institute of Engineering and Information Technology, Shiroda-Goa	Ponda	01
211.	Sri Sairam Institute of Technology	Chennai	01
212.	School of Arts and Science, AV Campus, Vinayaka Mission's Research Foundation, Chennai.	Chennai	01
213.	Sathyabama institute of science and technology	Trichy	01
214.	Soka Ikeda College	chennai	01
215.	Sri Venkateswara College of Engineering and Technology	Chittor	01
216.	SRM TRP ENGINEERING COLLEGE	Trichy	01

217.	SRM INSTITUTE OF SCIENCE AND TECHNOLOGY	Chennai	01
218.	Sri Sairam Engineering College	Chennai	01
219.	Sanjivani College of Engineering Autonomous	Kpg	01
220.	Siddaratha Institute Of Science And Technology	PUTTUR	01
221.	Shri RamSwaroop Memorial University Lucknow	Lucknow	01
222.	Shinas college of Technology	Chennai	01
223.	SAVEETHA SCHOOL OF ENGINEERING	CHENNAI	02
224.	Soka ikeda college of arts and science for women	Chennai	01
225.	Scient Institute of Technology	Hyderabad	01
226.	School of Arts and Science, VMRF	Chennai	01
227.	SATHYABAMA UNIVERSITY	Peddagopavaram	01
228.	Sathyabama Institute of Science and Technology	Rajahmundry rural	01
229.	SRM valliammai engineering college	Chennai	01
230.	Sathyabama institute of science and technology	Patna	01
231.	SRI RAMAKRISHNA ENGINEERING COLLEGE	COIMBATORE	01
232.	SRM TRP ENGINEERING COLLEGE	Trichy	01
233.	Selvam college of technology	Namakkal	01
234.	Sathyabama University	Proddatur	01
235.	Sasurie ENGG College	Tirupur	01
236.	Saranathan college of Engineering	Trichy	01
237.	Sri Vasavi Institute of Engineering and Technology	Nandamuru	01
238.	Shinas College of Technology	Sohar	01
239.	Sree Vidyanikethan Engineering College	Tirupati	01
240.	Sri Krishna Arts and Science College	Coimbatore	01
241.	Sri Vidya Mandir Arts and Science College, Uthangarai	Krishnagiri	01
242.	S R ENGINEERING COLLEGE	WARANGAL	01
243.	Sanjivani College of Engineering, Kopargaon	Shirdi	01
244.	Shri Ramkrishna institute of computer education and applied sciences Surat	Surat	01
245.	Sasi Institute of Technology & Engineering	TADEPALLIGUDEM	01
246.	Shri R.R.Lalan College Bhuj Kutch Gujarat-370001	GUJARAT	01
247.	SAVEETHA ENGINEERING COLLEGE	CHENNAI	01
248.	Sri Ramakrishna Institute of Technology	Coimbatore	01
249.	St Joseph's College (Arts & Science)	Chennai	01
250.	St. Joseph's College (Autonomous),	Trichy	02
251.	ST.Charles College Of Arts And Science	Kallakurichi	01
252.	St.Joseph's College of Engineering and Technology	Thanjavur	01
253.	St.Joseph's College of Engineering, OMR,Chennai	CHENNAI	02

254.	ST.Joseph's College(Arts & Science)	Chennai	01
255.	St. Aloysius College Autonomous	Jabalpur	01
256.	Swargarani school and PU college	Bangalore	01
257.	Swamy abedhanandha polytechnic college thellar 604406	Vandavasi	01
258.	SVCET	Chittoor	01
259.	St.Peter's College of Engineering and Technology	Chennai	01
260.	St.Xavier's college, Jaipur	Jaipur	01
261.	Syed ammal engineering college	Ramanathapuram	01
262.	Student	Dasmarinas City	01
263.	University of gondar	Gondar	01
264.	THE NEW COLLEGE	CHENNAI	01
265.	Tagore college of arts and science	Chennai	01
266.	Thiagarajar Polytechnic College, Salem	Salem	01
267.	The American college	Madurai	01
268.	THE OXFORD COLLEGE OF ENGINEERING	BANGALORE	01
269.	Thanthai Periyar Government Institute of Technology, Vellore	Vellore	01
270.	Thiagarajar College	Madurai	01
271.	Thiagarajar College	Madu	01
272.	Thiagarajar College	Madurai	01
273.	Trinity college of engineering and technology	Telangana	01
274.	Thiagarajar College	Madurai	01
275.	Trinity College Of Engineering And Technology, Peddapalli	MANCHERIAL	01
276.	Vivekanandha College of Technology for Women	Erode	01
277.	VALLEY VIEW UNIVERSITY	YEJI	01
278.	Vivekanandha College of Engineering for Women(Autonomous)	Namakkal	01
279.	Vel Tech Multi Tech Dr.Rangarajan Dr.Sakunthala Engineering College	Chennai	01
280.	Velammal Institute of Technology	Chennai	03
281.	Vaagdevi college of engineering	Hanamkonda, Warangal	01
282.	Vignan's Foundation for Science Technology and Research	Guntur	01
283.	Valley View University	Tamale	02
284.	Valley View University	Kumasi	02
285.	Valley View University	Accra	02
286.	velammal institute of technology	CHENNAI	01
287.	Velammal institute of technology	Villupuram	01
288.	Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology	Chennai	01

289.	Velalar College of Engineering and Technology	Erode	02
290.	Vivekanandha College Of Engineering For Women	TIRUCHENGODE	01
291.	VELTECH DR.R.R&DR.S.R INSTITUTE OF SCIENCE AND TECHNOLOGY	Chennai	01
292.	VALLEY VIEW UNIVERSITY	TECHIMAN	01
293.	VFSTR VADLAMUDI, GUNTUR	GUNTUR	01
294.	Vel Tech High Tech Dr RR Dr.SR Engg College Avadi	Chennai	01
295.	Vels Institute of Science , Technology & Advanced Studies	Chennai	02
296.	Vinayaka Missions Kirupananda Variyar Engineering College, Salem	Salem	01
otal No. of Participants Registered.			458

Annexure: III Registration Form



Webinar on "Overview of Machine Learning, Deep Learning and Natural Language Processing Using Python".

Kings College of Engineering, Punalkulam, Gandarvakkottai, Pudukkottai D.T. Webinar date: 27-05-2020 @ 2.00 pm to 3.00 pm.

Follow this link to join in our Whatsapp group (KINGS ECE WEBINAR) for further communication.

https://chat.whatsapp.com/LBQDOI7QqC6E6fJloHQq3s

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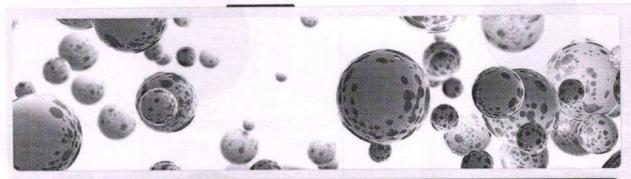
4

Annexure: IV Feedback Form

Questions

Responses 312





FEEDBACK FORM

Webinar on "OVERVIEW OF MACHINE LEARNING, DEEP LEARNING AND NATURAL LANGUAGE PROCESSING"-(27 May 2020)

Email address *

Valid email address

This form is collecting email addresses. Change settings





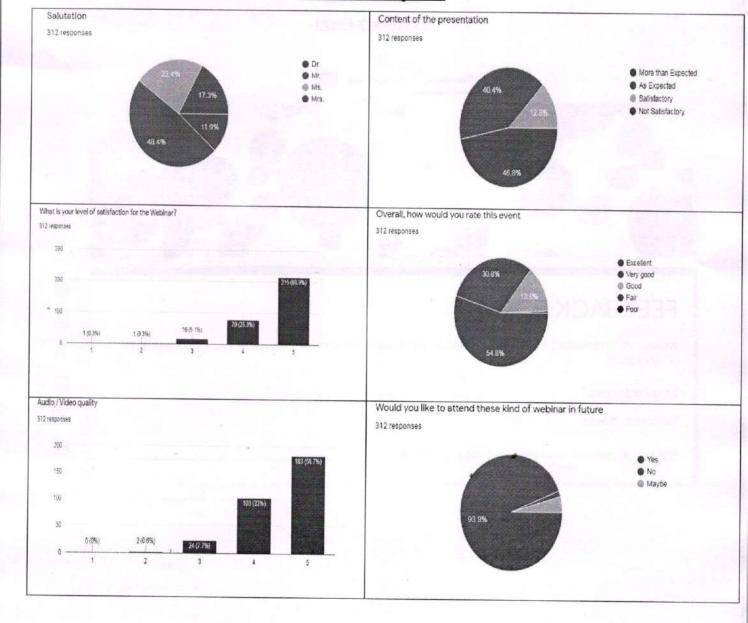






Annexure: V

Feedback Response



Annexure: VI Sample Certificates

KINGS COLLEGE OF ENGINEERING MARC Accessived Institution 5-150 Certified Institution Recognized by USC under 2(f) 5-12(8) Approved by AICT2, New Dutle 8, Affiliated to Anna University, Chemia Puncilisation, Gender-valential Totals, Produktorial District - 613-303. ♦IEEE STE16621 Certificate for Participation Assistant Professor This is to certify that Prof. Khushboo Pawar. Mahakal institute of technology, Ujjain of has actively participated in the live webinar titled "Overview of Machine Learning, Deep Learning and Natural language Processing using Python" organized by Department of Electronics and Communication Engineering of Kings College of Engineering, Pudukkottai on 27th May 2020. Patron Coordinator Convener Dr.J. Arputha Vijaya Selvi Mrs. R. Panni AP/ECE Mrs.N.Mangaizarkarasi HOD/ECE Principal Mrs.D.Vennila.AP/ECE Mr.R.Sathyarai.AP/ECE

KINGS COLLEGE OF ENGINEERING



NAAC Accredited Institution & ISO Certified Institution Recognized by UCC under 2(f) & 12(8) Approved by ACTI, New Onlin & Affilialed to Anna University, Chenna Planatulam, Genderswedthel Taluk, Planatulam Gentrist - 613 303.



Certificate for Participation

This is to certify that Mrs. S. Ebenazer Roselin. Assistant Professor of Prince Dr k Vasudevan college of engineering and technology has actively participated in the live webinar titled "Overview of Machine Learning, Deep Learning and Natural language Processing using Python" organized by Department of Electronics and Communication Engineering of Kings College of Engineering, Pudukkottai on 27th May 2020.

Coordinator
Mrs. R. Eonni AP/ECE
Mrs. D. Vennija AP/ECE
Mr. R. Sathyarai AP/ECE

Convener Mrs.N.Mangaixarkarasi HOD/ECE Patron Dr.I.Arpusha Kiiaya Sehii Principal



Dr.P.Manimegalai

Associate Professor, Biomedical Engineering Department

Mobile: 09994291601

Email: manimegalaip@karunya.edu

RESEARCH INTERESTS

Biosignal Processing, Medical Device Design, Image Processing, AI in healthcare

EXPERIENCE

20 Years

RESEARCH PROFILES

1	Google Scholar Profile	https://scholar.google.com/citations?user=5GdT5OYAAAAJ&hl=en
2	Scopus Profile	https://www.scopus.com/authid/detail.uri?authorId=38362113600

PATENTS

1 UV Object Sanitizer published by Feb 2021

RESEARCH PROJECTS

#	Tittle of the project	Funding Agency	Amount (Rs.)	Year
1	Low Cost CPAP Machine	Harvard University	20000	2021

SUMMARY OF INTERNATIONAL JOURNAL & CONFERENCE PUBLICATIONS - [PUBLISHED & ACCEPTED]

Year	Journal Publications	Conterence Publications	Conterence publications	Impact Factor	Citations	Scholar Citations	h-index
2009 - 2021	76	15	5	3.1	198	358	9

EDITORIAL BOARD MEMBER:

EDUCATION

Degree	Branch / Specialization	University	Class	Mode	Month &Year of Passing
	Information and				
	Communication/Biosign	Anna			
Ph.D.,	al Processing	University,Chennai		Parttime	June 2013
M.E.,	Applied Electronics	Anna University,Chennai	I class	Parttime	June 2008
B.E.,	Biomedical Instrumentation	Avinashilingam University	I Class	Fulltime	May 2000

TEACHING INTERESTS

Diagnostic and Therapeutic Devices, Human Anatomy and Physiology ,Biomedical Medical Image Processing, Mchine learning, Deep Learning

RESEARCH GUIDANCE

Research guidance as supervisor	Completed	Ongoing
Doctor of Philosophy - PhD Thesis advising	10	5
Master of Engineering - Master's Thesis advising	15	2



NAAC Accredited and ISO Certified Institution



Department of Electronics & Communication Engineering

and

R&D section jointly hosted a

Free Webinar

on

Accelerate your Internet of Things (IoT) vision



Speaker

Mr. Jeevanantham Arumugam, BE., MS(U.K).,

Profession

Asst. Professor, Kongu Engineering College, Erode

Date & Time

20.05.2020 & 21.05.2020 6:00 to 7:30 PM

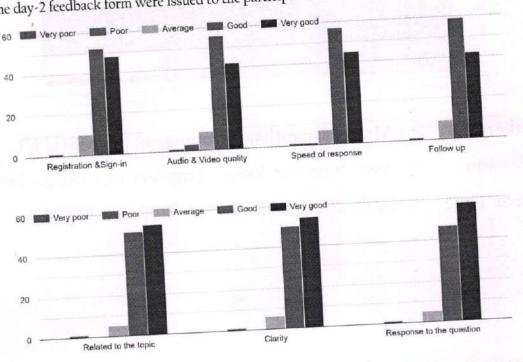
Webinar Objective:

Internet of Things is the key element that will impact nearly every industry in future. The existence of IoT will continue to grow as we move ahead of imagining what is possible and begin to inject this connected technology into products we use every day whether as consumers or in business. The webinar provides an ideal platform for academicians to discuss and showcase the latest trends and disruptions impacting various industry verticals in IoT and the road map ahead.

Presentation details:

Free Webinar on Accelerate your Internet of Things (IoT) vision was conducted on 20.05.2020 & 21.05.2020 between 6:00 to 7:30 PM for external and internal participants. Total of 221 registration from 68 institution all over the nation and 132 active participation was made. Mr.T.Pasupathi, AP/ECE, Mr.J.Niranjan Samuel, SRF/ECE(R&D) hosted the event. Mrs.D.Vennila, AP/ECE welcomed and introduced the resource person. Both the sessions were presented by Mr. Jeevanantham Arumugam, BE.,MS(U.K)., Asst.Professor, Kongu Engineering College, Erode. During the presentation he presented the rapid developments in hardware, software, and communication technologies that have allowed the emergence of Internet connected sensory devices to provide observation and data measurement from the physical world. He also presented the anatomy, network and protocols of Internet of Things. Discussion on Security, Privacy, Interoperability / Standards, Emerging Economy and Development issues and real time applications of IoT in industry aspects were also the part of webinar.

At end of the day-2 feedback form were issued to the participants and bar chart view is shown below,



Number of participants:

0	Name of the Institution	No.of Participants
1.	A.V.C. College of Engineering	1
2.	A.C Tech Karaikudi	2
3.	Adhi College Of Engineering And Technology	1
4.	Ahalia school of engineering and technology	2
5.	AITSR	1
6.	Anna University Regional Campus Coimbatore	2
7.	Annamacharya institute of technology and sciences, Rajampet	3
8.	Avinashilingam university	2
9.	AVS Engineering college,salem	1
10.	Bannari Amman Institute Of Technology, Sathyamangalam	7
10.	Basaveshavar engineering college bagalkot	21
12.	Bishop Heber college, Trichy	1
	Chendhuran college of Engineering and Technology	1
13.	CHRIST (Deemed to be University) Bengaluru	3
14.	Dhanalakshmi sreenivasan college of engineering coimbatore	1
15.	Dhanalakshmi sreenivasan college of engineering	3
16.		11
17.	Dr NGP Institute of Technology	3
18.	Dr. M.G.R. Educational and Research Institute	2
19.	Dr. Mahalingam College of Engineering and Technology	1
20.	DSEC Perambalur	
21.	G Pullareddy engineering college	2
22.	GEC Barton Hill	1
23.	GH raisoni College of engineering nagpur	1
24.	Gnanamani college of engineering	1
25.	Government College of Engineering Thanjavur	1
26.	Ilahia College Of Engineering And Technology	2
27.	Jawaharlal college of engineering and technology	2
28.	Jeppiaar engineering college	1
29.	Joginpally br engineering college	1
30.	K.Ramakrishnan college of technology	1
31.	Karpaga vinayaga, college of engineering and technology	1
32.	Kings college of Engineering, Punalkulam.	30
33.	Knowledge Institute of Technology	2
34.	Kongu arts and science college	2
35.	Kongu Engineering College, perundurai	14
36.	KPR Institute Of Engineering And Technology	1
	KSK college of engineering and technology	1
37.	M. N. M. Jain engineering college, chennai 97	1
38.		6
39.	Mahendra engineering college	1
40.	Manay Rachana international institute of research and studies	1
41.	MEA engineering college	1
42.	Meenakshi Sundararajan Engineering College	4
43.	Mohamed Sathak Engineering College	23
44.	Muthayammal engineering college Rasipuram	1
45.	PACET	
46.	Panimalar institute of technology	1
47.	RV college of engineering	2
48.	RVITM	1
49.	SA engineering college	1
50.	SASTRA deemed university	1
51.	SCMS School of Engineering and Technology	4

52.	Sir Issac newton college of engg and tech	3
53.	SMTEC	2
54.	SNS college of Technology	1
55.	Sri Chaitanya Techno	1
56.	Sri Krishna college of engineering and technology	10
57.	Sri Pamakrishna engineering college	4
58.	St. Mother Theresa Engineering College, Vagaikulam, Tuticorin	4
59.	St. Joseph's College of Engineering & Technology, Thanjavur	1
60.	The Madura college	1
61.	The Oxford college of engineering	1
62.	Thiagarajar college of engineering	1
63.	University College of Engineering Ramanathapuram	3
64.	University of Ruhuna	2
65.	V S R college of engineering technical campus	1
66.	Vel Tech High Tech Dr.Rangarajan Dr.Sankunthala Engineering	3
00.	College	15.6
67.	Vidyalankar School of Information Technology	1
68.	VIT,VELLORE	1
00.	Total	221

T.Pasupathi

J.Niranjan Samuel

HOD

Mrs.N.Mangaiyarkarasi

Frincipal

REPORT

Webinar on Design of Solar PV System for Home

Jointly organized by

Department of Electronics and Communication Engineering

and

R & D Section

On

12th MAY 2020 | 6:00 to 7:00 PM

@

Google Meet

Prepared By

P.Raja Pirian AP/ECE







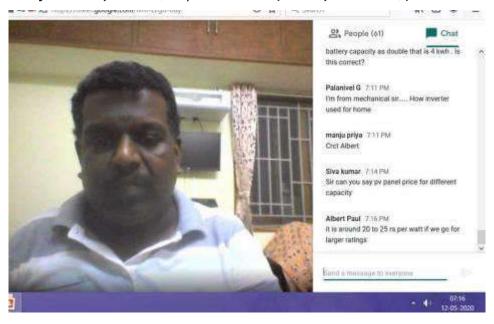
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Report:

Department of Electronics and Communication Engineering and R&D Section, has jointly organized a webinar on "Design of Solar PV System for Home" on 12th May | 6.00 to 7.00 PM @ Google Meet. Dr.S.Albert Alexander, Kongu Engineering College, was the resource person.

The main objective of the webinar was to disseminate the knowledge in the field of Renewable energy and also motivate the budding Engineers to design and develop a solar power system for their residential requirements.

The webinar started by 6.00 p.m. as per the schedule with the registered participants from reputed institutions. Mrs.D.Vennila AP/ECE, welcomed the participants and introduced the chief guest. The session began with talk about "Design of Solar PV System for Home" by Dr.S.Albert Alexander. In his lecture, he covered the basics of Photo Voltaic system, Energy auditing for home and based on audit reports, how to design a solar PV system. All the participants were actively participated in the session. Participants interacted with the resource person using the chat window effectively to clear their queries and learn the concepts. The session ended at 7.45 p.m. with feedback. The entire programme was scheduled and coordinated by Mr.P.Raja Pirian, AP/ECE and Mr.J.Niranjan Samuel, JRF.



Webinar Presentation by Dr.S.Albert Alexander, Kongu Engineering College

Pre Process

The webinar process began on 06/05/2020. Poster and registration form links were circulated through WhatsApp and e-mail. Nearly 260 members from 67 Intuitions registered for the webinar. Invitations and reminder were sent to all the registered participants.

Due to technical issues 91 members were accommodated in the webinar.



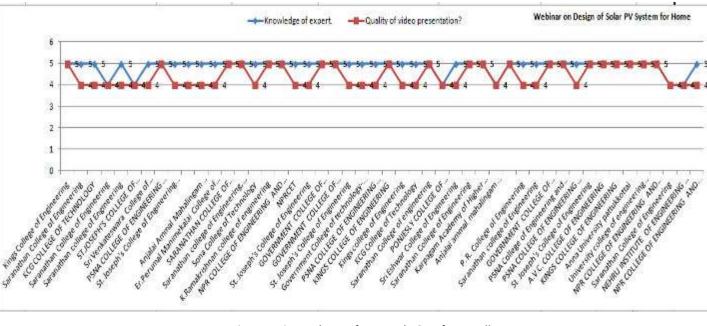
Poster of Webinar

Registered Candidates

SI.No	College / Institute	No of Participants
1.	A. V. C College of Engineering	7
2.	AAA College of Engineering And Technology,	1
3.	Adhiyamaan College of Engineering,Hosur	1
4.	Amet Deemed to Be University	2
5.	Anjalai Ammal Mahalingam Engineering College	4
6.	Anna University Regional Campus Coimbatore	2
7.	Annamalai University	1
8.	Arifa Institute of Technology	1
10.	Avs Engineering College	1
11.	Builders Engineering College	1
12.	Dhanalakshmi Srinivasan College of Engineering	2
13.	Dr.N.G.P Institute of Technology	1
14.	Er .Perumal Manimekalai College of Engineering	22
15.	GCT,Coimbatore	1
16.	Giet University	1
17.	Government College of Engineering Sengipatti	1
18.	Government College of Technology Coimbatore	5
19.	Jeppiaar Engineering College	3
20.	K.Ramakrishnan Collge of Technology,Trichy	3

SI.No	College / Institute	No of Participants
21.	Karpagam Academy of Higher Education	1
22.	KCG College of Technology	3
23.	Kings College of Engineering, Thanjavur	63
24.	Knowledge Institute of Technology	14
25.	Kongu Engineering College	1
26.	KPR Institute of Engineering And Technology	1
27.	Kumaraguru College of Technology	3
28.	Mahendra Engineering College	2
29.	Mahendra Institute of Technology	2
30.	Mailam Engineering College	2
31.	Manakula Vinayagar Institute of Technology	2
32.	Mepco Schlenk Engineering College, Sivakasi	1
33.	Mookambigai College of Engineering	2
34.	Nirmala College For Women	1
35.	NPR College Og Engineering And Technology,	8
36.	P.R.Engineering College,Thanjavur	4
37.	Panimalar Engineering College	1
38.	Periyar Maniammai Institute of Science &	1
39.	Perumal Maninekalai College of Engineering	1
40.	PMC Tech Hosur	7
41.	Ponjesly College of Engineering	1
42.	Prist Deemed To Be University	1
43.	PSNA College of Engineering And Technology	3
44.	QIS College of Engineering And Technology,	1
45.	Rajalakshmi Engineering College	1
46.	Rajiv Gandhi College of Engineering And	1
47.	Ramco Institute of Technology	1
48.	Sanjivani College of Engineering	2
49.	Saranathan College of Engineering	11
50.	Sasi Institute of Technology And Engineering	1
51.	Selvam College of Technology	1
52.	Sona College of Technology	2
53.	Sri Eshwar College of Engineering	1
54.	Sri Manakula Vinayagar Engineering College	2
55.	Sri Venkateswara College Of Engineering And	4
56.	SRM TRP Engineering College, Trichy	4
57.	SSM Institute of Engineering And Technology	2
58.	St Xavier's Catholic College of Engineering	1
59.	St. Joseph's College of Engineering	10
60.	Vivekanandha College of Engineering For	1
61.	W.Perumal Manimekalai College of Engineering	1
62.	Government College of Technology	1
63.	Saranathan College of Engineering, Trichy	24
64.	K.Ramakrishnan College of Engineering	1
66.	Nandha Engineering College	1
67.	Nehru Institute of Engineering And Technology	1
To	otal No of Registered Participants	260





Linear Point scale: 1 for Good & 5 for Excellent

Model Certificate:









Recognized by UGC under 2(f) & 12(B)
Approved by AICTE, New Deihi & Affiliated to Anna University, Chemasi
Punalkulam, Gandarvakottai Taluk, Pudukkottai District – 613 303.

Webinar on Design of Solar PV System for Home

Certificate

This is to certify that

Dr. G. Karthikeyan Sona College of Technology

has participated in the Webinar on Design of Solar PV System for Home organized by Department of Electronics

and Communication Engineering and R&D Section, Kings College of Engineering, Punalkulam on 12-05-2020.

Cert. ID: KCE-W-3-013

Co-ordinators Mr.P.Raja Pirian & Mr. J. Niranjan Samuel

HOD Mrs.N.Mangaiyarkarasi

Principal Dr.J.Arputha Vijaya Selvi

This is electronically generated certificate and does not need any signature





A REPORT ON

National Conference on Advancement in Electronics and Communication for Digital India (NCECD'2021)

17.03.2021

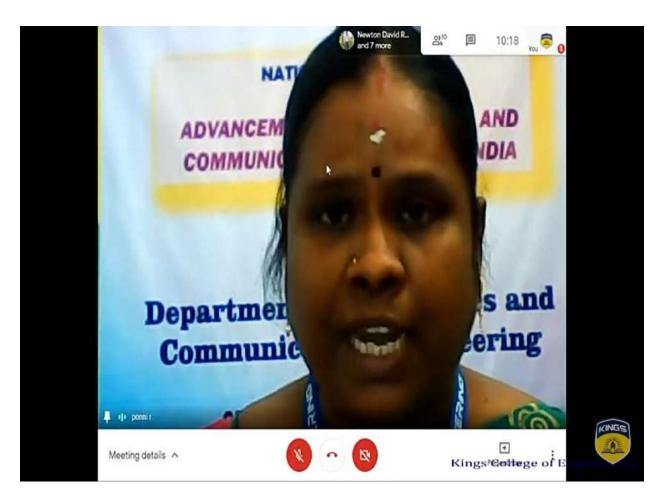
Organized by

Department of Electronics and Communication Engineering

Mode of Presentation: Virtual Mode

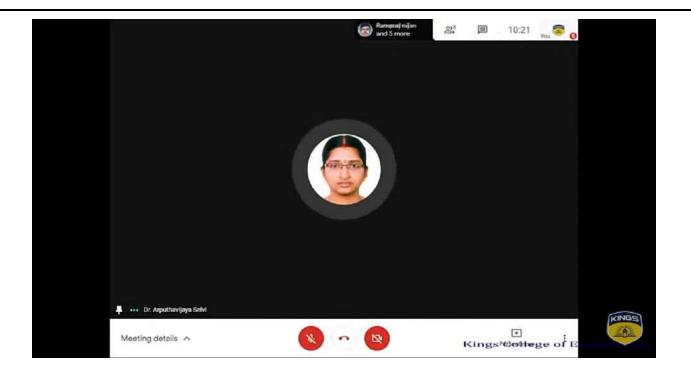
The Department of Electronics and Communication Engineering of our college has organized a National Conference on **Advancement in Electronics and Communication for Digital India (NCECD'2021).** Delegates of the conference presented their papers in the areas of Robotics, IoT, Signal/Image processing, Wireless communication and Digital assistants.

The conference was inaugurated by Mrs.N.Magaiyarkarasi, HOD/ECE, Kings College of Engineering and delivered welcome address.



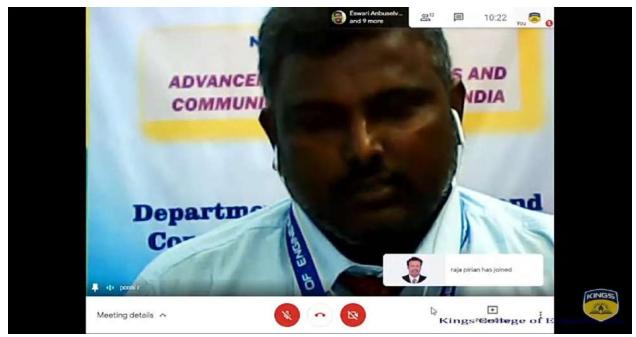
Mrs.N.Magaiyarkarasi, HOD/ECE, welcome the gatherings

The function was presided by Dr.J.Arputha Vijaya Selvi, Prinicipal, Kings College of Engineering.



Dr.J.Arputha Vijaya Selvi, Principal, delivering the presidential address

Mr. S.Ramarajan, Asst. Prof/ECE, introduced the chief guest Ms. K. Abirami, Project Implementation Manager, TATA Communication Limited, Chennai with warm greetings. Ms.K.Abirami, delivered the key note address. She enlightened the audience with her mind blowing talks on the Advancement in Communication Engineering. In her address, she stressed the importance of transforming research ideas into Advancement in Communication Engineering and emphasized the need for project based learning in Universities & Colleges. She also stated that NCECD-2021 is a huge platform for all engineering disciplines to generate and share new & innovative ideas. She briefed the role of digital India in the thermal plants, oceanography and weather forecasting.



Mr.S.Ramarajan, AP/ECE, Conference Coordinator, delivering the Chief Guest introduction

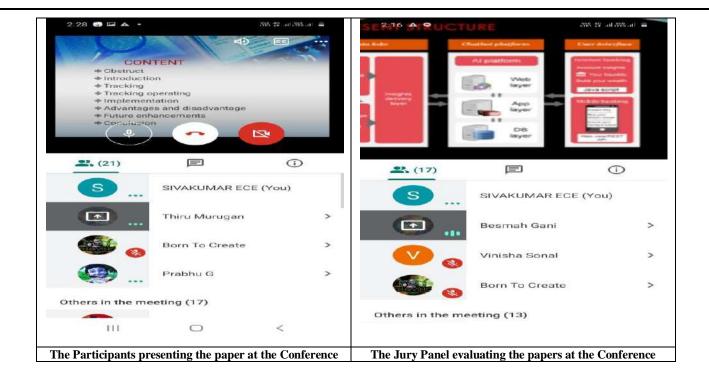


Ms.K.Abirami, Chief guest delivering the key note address

More than 50 delegates from various Engineering Colleges from Tamilnadu presented their research articles in this conference in two tracks. All the selected Papers will be published Conference Proceedings.

Papers were presented in 2 tracks; track 1 was chaired by Mr.T.Pasupathi, Assistant Professor, Department of Electronics and Communication, track 2 was chaired by Mr.S.Sivakumar, Assistant Professor, Department of Electronics and Communication Engineering.

Track 1 Link: tinyurl.com/Nconsession1
Track 2 Link: tinyurl.com/Nconsession2



Mr.K.Sudarsanan, Assistant Professor, Department of Electronics and Communication delivered the vote of thanks.



The Conference Coordinator Mr.K.Sudarsanan delivering the Vote of Thanks

Finally the conference was successfully ended with the national anthem.

Organizing Secretary

HOD/ECE

PRINCIPAL

- 1. Mr.K.Sudarsanan, AP/ECE
- 2. Mr.S.Ramarajan, AP/ECE







ISTE STUDENT CHAPTER [TN 217]

E-QUIZ REPORT

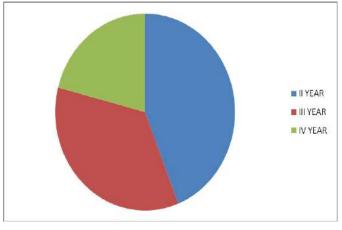
ISTE STUDENT CHAPTER [TN 217] organized online Technical Quiz on "QUIZTRONICS" on 19.09.2020 (10.00am - 6.00pm) for Electronics and Communication Engineering students of our college. The quiz was conducted for 100 marks. It consists of 20 Electronics based questions and 5 marks allotted to each question. Certificates were issued to the students those who had secured minimum of 50%.

There were 100 students participated in this Quiz. Out of 100 students, 92 students received certificates.

S. No.	Participants Details	Strength
1.	Total Number of Participants	100
	(II Year - 43, III Year - 35, IV Year - 22)	
2.	Total Number of Students Received Certificates	92

E-Quiz Highlights

1. Overall students participation ratio (Year wise)



2. More than 20 students secured 95 % in this contest. The below mentioned student was the first student to secure 95%, she was appreciated by the organizers.

Name of the Student	Year
SM. Swethaa	II

3. Students also asked to conduct this kind of Technical Quiz in future. Students were very much interested to answer the Electronics related questions.



E - QUIZ BROCHURE



CERTIFICATE – SAMPLE COPY

ISTE STUDENT CHAPTER [TN 217]

ACADEMIC YEAR 2020-21 (EVEN SEMESTER)

WEBINAR REPORT

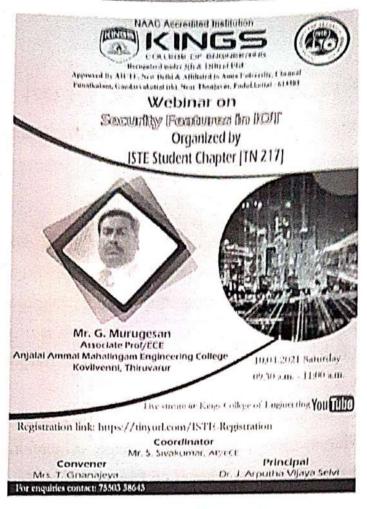
12.4.2021

A one day webinar titled "Security Features in IOT" was organized by the ISTE Student Chapter [TN 217] through (Google meet & You Tube) on 10.4.2021 from 9.30a.m. to 11.00a.m. to the students of Electronics and Communication Engineering department with an objective to offer a better understanding of Security Features in IOT devices. Welcome address was delivered by Ms.B. Kiruthika III ECE and Resource person introduction was given by Ms.M.Keerthika III ECE.

The session was handled by eminent resource person Mr.G. Murugesan, Associate Professor / ECE, Anjalai Ammal Mahalingam Engineering College, Kovilvenni, Thiruvarur. The resource person explained the concepts of Internet of Things (IoT), Security issues in IoT, IoT Scope and Architecture, Security of IoT, Security Threats in IoT Systems, Recommended Solutions in excellent manner. He concluded that IoT is an emerging technology that has attracted a considerable number of researchers from all around the world. There have been major contributions making this technology adapted into our daily life.

About 206 participants actively participated in this session and gained knowledge in Security Features in IOT devices. Vote of thanks was given by Mr.S.Sivakumar, AP/ECE. After the session participants gave the feedback through feedback link. E-Certificates were issued to all the participants.

Webinar Highlights



WEBINAR BROCHURE



SAMPLE CERTIFICATE

Mrs.T.Gnanajeya Convener Dr.J.Arputha Vijaya Selvi Principal







DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING ACADEMIC YEAR (2018-2019) EVEN SEMESTER THE INSTITUTION OF ENGINEERS INDIA (IEI)

ECE Student's Chapter

Entrepreneur training program - REPORT

9.2.19

The IEI (ECE) student's chapter of Kings College of Engineering, Punalkulam, Thanjavur organized an Entrepreneur training program on 08.2.2019 for the final year IEI student members. Mr.T.Jeyaseelan AP/ECE, IEI (ECE) Faculty advisor coordinated the program. Er.G.Geroge Nelson, Proprietor of Georges Tech solution, Kumbakonam was the resource person.

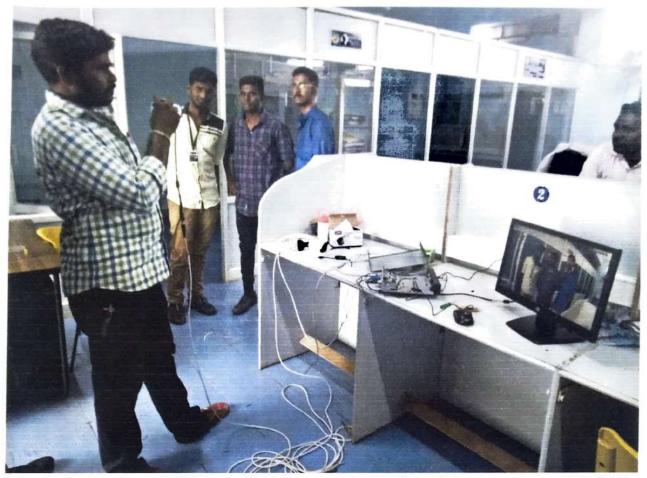
Totally 48 students were attended the program and learned about the installation of CCTV surveillance system through the training program.



A batch of students attending the training program on CCTV installation on 8.2.2019.



Demonstration of camera connection during the training program on 8.2.2019.



The demonstration of CCTV surveillance system during the training program on 8.2.2019.

The students interacted with the resource person during training program. Through the training program students leaned about the different camera types,transmission medium, Digital video recording types and IP based Networked CCTV system . The students learned how the day/night camera switches from color mode to the monochrome mode by using IR sensors and illuminators.

The training program was practical and the students were actively participated in the program and got training on Entrepreneurship in Electronics and Communication.

IEI (ECE) Faculty Advisor T.Jeyaseelan, AP/ECE HOD/ECE

VICE PRINCIPAL

PRINCIPAL





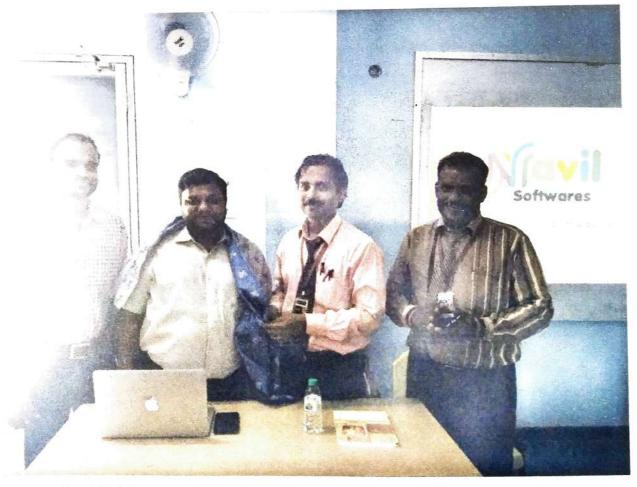


DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING ACADEMIC YEAR (2018-2019) EVEN SEMESTER THE INSTITUTION OF ENGINEERS INDIA (IEI) ECE Student's Chapter One day Workshop on Java Programming -REPORT

27.2.19

The IEI (ECE) student's chapter of Kings College of Engineering organized a one day Workshop on Java Programming on 26.2.2019 for the third year IEI student members. Mr.T.Jeyaseelan AP/ECE, IEI (ECE) Faculty advisor coordinated the program. Er.S.Jagadish kumar, C.E.O of Navil Softwares, Chennai., was the resource person.

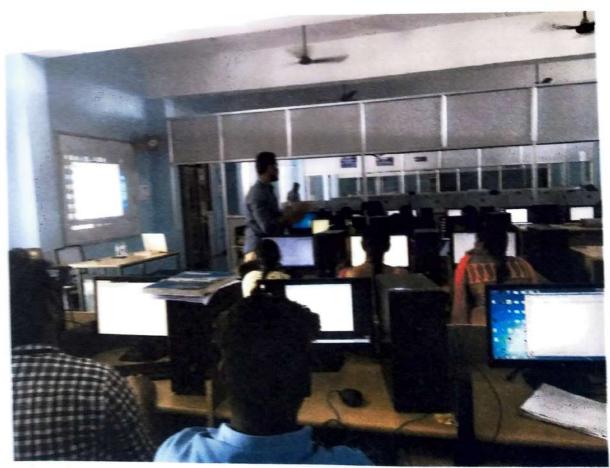
Totally 32 students were attended the program and Er. S.Jagadish kumar and his team conducted the introduction session and hands on session on Java programming.



Mr.T.Jeyaseelan AP/ECE, Faculty advisor of IEI (ECE) students chapter honoring the resource person on the workshop on 26.2.2019.



The introduction session during the workshop on java programming on 26.2.2019.



The hands on session during the workshop on java programming on 26.2.2019.

The students learned about the introduction of java programming, object oriented programming approach, Java programming Environment Setup, compilation and execution of simple java program during workshop. Through the workshop students leaned about Java language basic syntax and variable declaration, arithmetic operations and class fundamentals. At the end of the workshop the students have developed simple java web application. The workshop was hands on workshop and the students were actively participated in the program and gained hands on training on Java programming.

IEI (ECE) Faculty Advisor

T.Jeyaseelan, AP/ECE

HOD/ECE V

VICE PRINCIPAL

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A NAAC Accredited & ISO Certified Institution Recognized by 2(f) & 12(B) of UGC

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



EMERGING TRENDS IN COMPUTING, CONTROL AND COMMUNICATION TECHNOLOGY (ETCCCT'20)

> Jointly organized by Department of CSE, ECE & EEE

> > 13th March, 2020

Scope

The National Conference on "Emerging Trends In Computing, Control and Communication Technology* aims to provide a forum for presenting and discussing innovations, ideas, new design and alternative technologies in the fields of Computer Science and Engineering, Electronics and Communication Engineering and Electrical and Electronics Engineering. ETCCCT'20 is being organized by Kings College of Engineering, Punalkulam, near Thanjavur, Pudukkottai District, Tamil Nadu, India. The conference also promotes affable environment for academia-industry interaction leading to exchange of research ideas and will feature keynote and invited talks by renowned academicians, industrialists and scientists of National repute.



Last date for paper submission : 27-02-2020 Acceptance notification : 02-03-2020 Camera ready copy : 07-03-2020 Last date for registration : 10-03-2020

CONFERENCE TOPICS

Computer Science & Engineering

Biometric Modeling Cloud Computing

Computer Networks & Security

Data Mining

Grid & Scalable Computing

Image Processing & Pattern Recognition IoT based Instrumentation

Machine Learning and Deep Learning

Parallel and Distributed Computing

Pervasive Computing

Web based Computing

Electronics & Communication Engineering Electrical & Electronics Engineering

Antennas and Microwave Engineering

Cognitive System Research

Embedded Systems

Fuzzy and Neural based Systems Hyrbid System and Modeling Design

Semiconductor Devices and VLSI

Signal and Image Processing

Wireless Communication

Wireless Sensor Networks

Computational Intelligence in Power System, Power Electronics and Renewable Energy Sources Distributed Generation and Micro/Smart Grids

Electrical machines and Drives

Fuel Cells and Green Energy Systems

HVDC and FACTS

Intelligent Control, Robotics and Automation Systems

Measurements and Data Acquisition, Safety & Reliability

Power Market and Deregulation Power System Reliability and Security

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Baskaran S,

Kuppam Engineering College, Kuppam (AP) Giftson Samuel G,

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Malathy M Veltech, Chennai

Prabhu K.

NIT-Surathkal, Karnataka

Suganthi S

Christ University, Bangalore

Vinoth Kumar K.

SSM Institute of Engg., & Tech., Dindigul Violet Juli

KEY NOTE SPEAKER:



U.S. Department of the Navy (Ret.) (Sr. Scientist / PI) Full Professor, Electrical Engineering and Computer Science Dept., University of Colorado Senior Research Scientist at Lockheed-California Company Visiting Professor, NIST

Dr .ARUN K. MAJUMDAR

Caltech's Jet Propulsion Laboratory MIT Lincoln Laboratory (Staff Member)

Visiting Professor, Brno University of Technology, Czech Republic

Paper Submission

Authors are invited to submit full papers in the prescribed format as per the IEEE Paper Template. Authors should only submit their original work that has neither appeared elsewhere for publication nor is under review for any other refereed publication. Submitted papers to ETCCCT'20 should be approved by the coauthors and also by the responsible authorities at the institute where the has been carried out. Manuscript should not contain plagiarized content. Submitted papers will be run through plagiarism software.

Publications

All the accepted papers will be published in the conference proceeding with ISBN. In addition selected papers will be published in the special issue of BBRC journal based on the authors willingness on payment of additional charges.

Registration Fee

Research Scholars : Rs. 750 Students (UG/PG) : Rs. 500

Other participants (Listeners)

Payment Details

DD can be drawn in favour of "The Principal, Kings College of Engineering" payable at Thanjavur.





: Rs. 200

Organizing Committee

Chief Patrons Dr. R. Rajendran, Ph.D. Secretary

Shri.T.R.S.Muthukumaar, M.B.A. Chief Executive Officer

Patron & General Chair Dr.J.Arputha Vijaya Selvi, M.E. Ph.D. Principal

Dr. S. Sivakumar, M.Tech, Ph.D.

Vice Principal Organizing Secretary Dr. A. Albert Martin Ruban,

Programme Chair Dr.S.M. Uma, Dept. of CSE.

Convener Prof. N. Mangaiyarkarasi,

Steering Committee

Prof. S.Rajarajan, Dept. of CSE.

Prof. B.Sangeetha, Dept. of CSE.

Prof.R. Ponni, Dept. of ECE.

Prof.P.Thirumagal, Dept. of ECE

Prof.R.Sundaramoorthi. Dept. of EEE. Dr. M. Meenalochani, Dept. of EEE.

Address for Communication Organizing Secretary, Nat. Conf. ETCCCT'20, Kings College of Engineering Punalkulam - 613 303, Pudukkottai Dt. Tamilnadu, India. email: kceetccct@gmail.com Phone: +91 99442 91242

For more details visit: www.kingsindia.net/etccct90.html



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

The Management, Principal, Staff & Students of Kings College of Engineering

Cordially invite you to the

National Conference on

Emerging Frends in Computing, Control and Communication Fechnology

ETCCCT'20

Chief Guest

Dr. ARUN K. MAJUMDAR

Full Professor / EE and CS Dept., University of Colorado, USA

13-03-2020 | 10:01a.m.

Chera Hall

Dr. R. Rajendran

Secretary, KCE presides

Dr. J. Arputha Vijaya Selvi General Chair







National Conference'2020

Date: 13.03.2020

Venue: Chera Hall

Agenda

10.00 - 10.05	Prayer songs		
10.06 - 10.10	Welcome Address	_	Dr. J. Arputha Vijaya Selvi Principal, KCE.
10.11 - 10.15	Lighting the Lamp	_	Dignitaries
10.16 - 10.25	Honoring the Chief Guest	-	Dignitaries
10.26 - 10.30	Presidential Address	-	Dr. R. Rajendran Secretary, KCE.
10.31 - 10.40	Release of Proceedings	-	Dignitaries
10.41 – 10.45	Introduction to Chief Guest	-	Dr.A. Albert Martin Ruban HOD/EEE, KCE.
10.46 – 11.15	Inaugural Address	-	Dr. Arun K. Majumdar Adjunct Professor, Colorado State University, USA
11.16 – 11.20	Felicitation	-	Dr.S.Sivakumar Vice Principal, KCE.
11.21 – 11.30	Tea Break		
11.31 - 01.00	Session –I		
01.00 - 02.00	Lunch Break		
02.00 - 03.30	Session – II		
03.31 - 03.45	Tea Break		
04.00 - 04.05	Feedback		
04.06 - 04.10	Conference Summary	_	Dr. S. M. Uma, HOD/CSE
04.11 - 04.25	Distribution of Certificates	-	Dignitaries
04.26 - 04.29	Vote of Thanks	-	Prof. N. Mangaiyarkarasi, HOD/ECE
04.30	National Anthem		



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING National conference on Emerging Trends in Computing, Control and Communication Technology

(ETCCCT, 2020)- March ,13th,2020

Department Committee Members List

S.No	Committee Name	Faculty Incharge	Responsibility
1.	Budget	Mrs.R.Ponni Mrs.P.Thirumagal ₹™	Budget preparation
2.	Brochure & Invitation	Mrs.R.Ponni Mrs.P.Thirumagal	 Designing brochure, Banner Sending brochure to various colleges Fixing banner.
	BAR SERVER SERVER SERVER	production of the state of the	 Preparing invitation & distributing to all departments, chief guest and judges
3.	Identification Of Chief Guest &Session Guest(Resources Persons)	Mrs.(Dr.).J.Arputha Vijaya Selvi Mrs.N.Mangayarkarasi (HOD/ECE)	 Identification of chief guest Identification of key note speakers -2 Identification of judges(internal and external)
4.	Paper Collection, Proceeding & CD	Mr.P.Raja Pirian Mr. W. Newton David Raj Mr.Niranjan (NT)	 Creation of new mail id Check mail regularly/daily Receiving the paper daily Summary of the paper daily Splitting paper area wise Hand over the paper(area wise to scrutinizing committee) Convey the selected paper to participant
5.	Banner Hall Arrangements & Audio & Video/Photo Arrangement And Publicity	Mr. R. Sathyaraj Mr. Suresh (NT)	 Fixing banner Reserving the seminar hall Arrangement of generator, chairs, water, screen, stop clock, bell, LCD projector &PC Arrangement of audio system Arrangement of video/photo Arrangement of caller mike plus 2 cordless mike
6.	Registration & Feedback	Mrs.U.Jeyamalar Mr.R.Thandayuthapani	 Preparation of registration form, id card, kit (bags, pen, note pad), Feedback Issuing snacks/tea token for

			participants.
7.	Prizes & Certificate	Mrs.D.Vennila	Memento for chief guest External judges-memento Best Paper Award
8.	Hospitality For Chief Guest	Hospitality For Chief Guest Hospitality Participant) Transport Refreshment Mr. A. Herald Mr. S. Ramarajan Mrs.D.Vennila Wenue 1: Dr. T. Shanthi Mr .T. Jeyaseelan Venue 2: Mr.K.Sudarsanan Mr.P.Rajapirian Mr. W. Newton David Raj Mr. R.Balakrishnan Mr. W. Newton David Raj Mr. W. Newton David Mr. W. Newton David Mr. W. Newton David Mr. W. Newton David	 Receiving chief guest Arrangement of guest house Arrangement of the vehicle Arrangement of the food/snacks
9.	Hospitality (Participant) & Transport	Bros	Hostel room & food arrangement(male & female) Arrangements of college bus for the participants
10.	Refreshment		 Arrangement of snacks(fn and an) for chief guest, staffs, judges, participants and students Preparation of snacks tokens
11.	March 11 strategy	Mrs.D.Vennila	Anchor, preparation of agendaSession management
12.	Session In charge	Dr. T. Shanthi Mr .T.Jeyaseelan Venue 2: Mr.K.Sudarsanan	 Introduction of key notes speakers Collection of paper for the particular session Giving the paper to the session judges
13.	Sponsorship	W.	 Letters to funding agencies for sponsorship Letters to other company for sponsorship
14.	Food		 Arrangements of lunch & dinner for guest, participant. Preparation of Lunch tokens

2. P. Thiromagai (P. Die) Coordinators

HOD/ECE

SL.NO	1.	2.	3.	4	.5	.9	7.	8	6
Paper ID		NCIEN02	NCIEN03	NCIEN04	NCIENOS	NCIEN06	NCIEN07	NCIEN08	NCIEN09
Title	A NOVEL APPROACH ON SMALL SCALE AQUA -PHONIC SYSTEM	DESIGN AND IMPLEMENTATION OF BALL TRACKING ROBOT	DESIGN AND IMPLEMENTATION OF GSM BASED ENERGY METER BILLING SYSTEM WITH LOAD CONTROL	REAL TIME EMBEDDED BASED FOREST ANIMALS INTRUDER DETECTION AND MONITORING SYSTEM	HIGH ACCURACY SENSOR BASED WOMEN AND CHILD SECURITY BY USING GSM	DESIGN OF REID BASED STUDENTS MONITORING SYSTEM IN TRANSPORTATION USING GSM TECHNOLOGY	DESIGN OF SOFTWARE DEFINED RADIO WITH FEC USING USRP	PRECEPTATION AND HUMANOID MONITORING ROBO VEHICLE FOR SEASHORE AND BORDER AREAS	IMPLEMENTATION OF INTELLIGENT BUILDING MONITOR AND CONTROL BY USING ARBUINO AND ANDROID DESIGN
Author	SUREKHA.M, ASSISTANT PROFESSOR	MR.D.DEVARAJAN, ASSISTANT PROFESSOR	SUNDAR	*			MRS.R.S. KOTEESHWARI ASSISTANT PROFESSOR		D.MUTHULAKSHMI
Co-authors	SANTHOSH M, KAVYAA K, SAI SOUNDARYA K, JEEVA M	R.PRIYA, R.RANJITHA, G.SELVAPRIYA, S.YUVARANI	R. RANJITHA, K. ROSHINI, M.SANDHIA M.RAJALAKSMI	M.PAVITHRA K.SINDHULAKSHMI K.PANDEESHARI	T.GOPPERUNDEVI R.MANIMOZHI R.NIVETHA	K.PRIYA DHARSINI, P.RAKSHIHA, B.PRABHAVATHY S.SIVA SANKARI	ABINAYA. AGALYA.M ANITHA.C	SHANDHOSH SHREE.K PRIYANKA.A KANIMOZHI.M	S.DURGA DEVI N.KIRUTHIKA S.KIRUTHIKA
College name	KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM	E.G.S. PILLAY ENGINEERING COLLEGE, NAGAPATTINAM	E.G.S. PILLAY ENGINEERING COLLEGE, NAGAPATTINAM	EGS PILLAY ENGINEERING COLLEGE	E.G.S.PILLAY ENGINEERING COLLEGE, NAGAPATTINAM	E.G.S.PILLAY ENGINEERING COLLEGE, NAGAPATTINAM	E.G.S. PILLAY ENGINEERING COLLEGE, NAGAPATTINAM.	E.G.S. PILLAY ENGINEERING COLLEGE, NAGAPATTINAM.	E.G.S. PILLAY ENGINEERING COLLEGE,NAGAPATTINAM.
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10.	Ħ	12.	13.	14.	15.	16.	17.	18.
NCIEN10	NCIEN11	NCIEN12	NCIEN13	NCIEN14	NCIEN15	NCIEN16	NCIEN17	NCIEN1
SECURE AND EFFICIENT DATA COMMUNICATION IN 5 G TECHNOLOGY USING PRIORITY REALLOCATION ALGORITHM	AN EFFICIENT DROWSINESS DETECTION SYSTEM FOR PILOT USING WEARABLE BODY SENSOR NETWORKS	POWER AND AREA EFFICIENT APPROXIMATE MULTIPLIERS USING ADAPTIVE FILTER	AN INNOVATIVE ARTIFICIAL REPLACEMENT TO FACILITATE COMMUNICATION BETWEEN VISUALLY AND HEARING IMPAIRED PEOPLE	DESIGN SPLIT ADC STRUCTURE USING CAPACITOR SPLITTING SWITCHING ALGORITHM FOR PIPELINED ADC'S	FBGA IMPLEMENTATION OF ADAPTIVE DECISION BASED MEDIAN FILTER FOR IMPULSIVE NOISE	RELIABLE ENERGY EFFICIENT AND MULTICAST DATA GATHERING APPROACH FOR WSN	IOT BASED SMART SHOPPING CART WITH OVERLOAD INDICATOR	ACCURATE DATA DETECTION IN PADDY FIELD ENVIRONMENT BY USING FILTERING METHOD
MR.M.SELVAGANESAN , M.E,M.B.A. ASSISTANT PROFESSOR	ARAFATABUDULLAH. A ASSISTANT PROFESSOR	V.SAIPRIYA	ЕГАККІҮА	M.SELVAGANESAN M.E., M.B.A ²	K. THAMARAI SELVI	A.ASHIFA SHAHNAS	CHITHRA VALAVAN ASSISTANT PROFESSOR	KAMALI D
S.SASILIYA	SHARMILA.B	R.SUGAPRIYA	SANGEETHA.R	P.MENAGA,	N.ASHWINI, S. ASHA BANU, R.ABARNA AND S. GAYATHRI	L.SHAFRIN,A.SHIFAYAN OOR,R.SWATHI,T.KART HIKEYAN	M.ABINAYA,S. DHIVYA,N.G. MALAVIKA,SPRIYADHA RSHINI	NITHYA N, SANGEETHA K, VIJAYALAKSHMI D, VAISHNAVI R
VANDAYAR ENGINEERING COLLEGE – THANJAVUR, TAMILNADU, INDIA.	VANDAYAR ENGINEERING COLLEGE, THAN	VANDAYAR ENGINEERING COLLEGE – THANJAVUR TAMILNADU, INDIA	VANDAYAR ENGINEERING COLLEGE – THANJAVUR TAMILNADU, INDIA	VANDAYAR ENGINEERING COLLEGE, THANJAVUR.	A. V. C. COLLEGE OF ENGINEERING	AVC COLLEGE OF ENGINEERING	AVC COLLEGE OF ENGINEERING	AVC COLLEGE OF ENGINEERING ,MAYILADUTHURAI
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19.	20.	21.	22.	23.	24.	25.	26.	27.
NCIEN19	NCIEN20	NCIEN21	NCIEN22	NCIEN23	NCIEN24	NCIEN25	NCIEN26	NCIEN27
SMART VOICE RECOGNITION BASE HOME AUTOMATION SYSTEM FOR AGING AND DISABLED PEOPLE	COMPRESSION OF LOW LATENCY IN SCLAR POWERED WIRELESS SENSOR NETWORKS-REVIEW	DESIGN OF TWO STAGE DIFFERENTIAL PAIR OF OPERATIONAL AMPLIFIER WITH SIGNAL CONVERSION FOR LOW POWER SYSTEM	DESIGN AND ANALYSIS OF RIPPLE CARRY ADDER USING PERES GATE	DESIGN AND CONSTRUCTION OF MICROCONTROLLER BASED PROPELLER DISPLAY	REAL TIME IMPLEMENTATION WIRELESS INFANT HEALTH MONITORING SYSTEM FOR INSTANT ANAMOLY DETECTION	IOT BASED NEWS FEED & AUTHENTICITY ENABLED HOME	NEURO-OCR BASED ASSISTIVE SYSTEM TEXT DETECTION WITH VOICE OUTPUT	5G WIRELESS COMMUNICATION IN MULTI-BEAM ANTENNA USING MIMO
DR.RAVI,	MR.R. MANIKANDAN ASSISTANT PROFESSOR	MR.A.P.PRABAKARAN	MR.M.KIRANKUMAR	AMUDHA.A ASSISTANT PROFESSOR	MRS.A.AMUDHA	DR.N.DHASARATHAN	АММИРНА.А	PROF.P.GEETHA BE, MTECH,(PH.D)
BRINDA JANANI MEENATCHIPRATHIBA	A.BABITHA,D.JOTHILA KSHMI,B.KAMALI,N.SO OUNDHARYA,,	R.S.ARCHANA, P.ISHWARYA. M.LAVANYA, R.THII AGAVATHI	P.KARTHIGASHALINI S.KIRUTHIKA R.MEERADEVI S.SHENBAGAPRIYA	MUGILAA.M, PRIYADHARSHINI.S, MOHANA.S, SIVARANJANI.C	C.ABINAYA, S.NIVETH A.GAYATHRI	S.BALAMURUGAN,	ARUNADEVI.J ELAKKIYA.P NIKITHA.F SOWMIYA.P	S.P.A.DMAVATHI. M.SHAMIRA BEGAM B.SIVARANJANI C.SOWNDARYA
A.V.C COLLEGE OF ENGG, MAYILADUTHURAI, TAMILNADU	A.V.C COLLEGE OF ENGG, MAYILADUTHURAI, TAMILNADU	A.V.C COLLEGE OF ENGG, MAYILADUTHURAI, TAMILNADU	A.V.C COLLEGE OF ENGG, MAYILADUTHURAI, TAMILNADU	P.R. ENGINEERING COLLEGE, VALLAM, THANJAVUR	P.R.ENGINEERING COLLEGE, VALLAM, THANJAVUR, TAMILNADU, INDIA.	P.R.ENGINEERING COLLEGE, VALLAM, THANJAVUR, TAMILNADU, INDIA.	P.R.ENGINEERING COLLEGE, VALLAM, THANJAVUR, TAMILNADU,INDIA.	P.R.ENGINEERING COLLEGE, VALLAM, THANJAVUR, TAMILNADU,INDIA
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28.	29.	30.	31	32.	33.	34.	35.	36.	37.	38.
NCIEN28	NCIEN29	NCIEN30	NCIEN31	NCIEN32	NCIEN33	NCIEN34	NCIEN35	NCIEN36	NCIEN37	NCIEN38
AN E-APPLICATION TO DETECT RAVENOUS IN INFANTS	ANALYSIS OF RECONFIGURABLE APPROXIMATE CARRY LOOK AHEAD ADDER(CLA) USING MODIFIED BOOTH MULTIPLIER	MULTI LEVEL SECURITY (RFID, FINGER PRINT, FACE RECOGNITION) BASED ELECTRONIC VOTING SYSTEM	AN INNOVATIVE METHOD FOR THE VECHICLE NUMMBER PLATE RECOGNITION	FPGA IMPLEMENTATION OF SPGD BASED BEAM CONTROL ALGORITHM FOR FREE SPACE OPTICAL COMMUNICATION	IOT BASED INDUSTRIAL AUTOMATION	SPECTRUM SENSING DOUBLE THRESHOLD ENERGY DETECTION	INTERNET PROTOCOL BASED WIRELESS RESOURCE ALLOCATION	SECURE PACKET RECOVERY METHOD FOR DECENTRALIZED DISRUPTION TOLERANT NETWORK	VOICE CONTROL OF HOME APPLIANCES USING BLUETOOTH MODULE HC05	DESIGN AND IMPLEMENTATION
K.KARTHICK BABU ASSISTANT PROFESSOR	ANITHA. A ASSISTANT PROFESSOR	MS. NIVEATHA SARO, M.TECH ASSISTANT PROFESSOR	MS.NIVETHASARO ASSISTANT PROFESSOR	T. PASUPATHI2, J. NIRANJAN SAMUEL3	MRS.N.SRIVIDHYA,M.E	SRIVIDHÝA.N	P.MUTHAMILSELVAN ASSISTANT PROFESSOR	V.RAJAKANI, ASSISTANT PROFESSOR	LSUBHA, ASSISTANT PROFESSOR	V.RAJAKANI,
D. NARMATHA, S.NIVA, M.PAVITHRA,	THENDRALR	J.SHALOAM GABRINI	S.PERIYANAYAGAM PRINCIYA	A.MUGILARASI	ANGEL.M², JANSI RANI.S. GEETHANJALI.V. VIDHYA.A.	SOWMITHA.S, BAKYALAKSHMI.S, KOPERUNDEVI.C, SRIDEVI.R	T.SINDHU	P.KARANCIYA P.PAVITHRAA E.KANMANI ELAKKIYA	R.ANUPRIYA, L. BHUVANESWARI, . EYALISAI PRIYA, R. MAHALAKSHMI	M.SEETHALAKSHMI,
DHANALAKSHMI SRINIVASAN ENGINEERING COLLEGE, PERAMBALUR	GOVERNMENT COLLEGE OF TECHNOLOGY COIMBATORE	MAHATH AMMA INSTITUTE OF ENGG & TECH PUDUKOTTAI-622101	MA MAHATHAMMA INSTITUTE ENGG AND TECHNOLOGY, PUDUKKOTTAI	MAHATHAMMA INSTITUTE OF ENGG AND TECHNOLOGY, PUDUKKOTTAI	ST.JOSEPH'S COLLEGE OF ENGG & TECHNOLOGY	ST.JOSEPH'S COLLEGE OF ENGINEERING &TECHNOLOGY, ELUPATTI, THANJAVUR	ST. JOSEPH'S COLLEGE OF ENGINEERING AND TECHNOLOGY, THANJAVUR	ANJALAI AMMAL – MAHALINGAM ENGINEERING COLLEGE	ANJALAI AMMAL MAHALINGAM ENGINEERING COLLEGE, KOVILVENNI, THIRUVARUR, TAMILNADU, INDIA.	ANJALAI AMMAL MAHALINGAM
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KINGS COLLEGE OF ENGINEERING

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Punalkulam, Gandarvakottai Taluk, Pudukkottai-613303 Recognized Under 2(f) & 12 (B) of UGC www.kingsindia.net



National Conference on

Emerging Trends in Computing, Control and Communication Technologies

(ETCCCT'20)

13th March, 2020

(पट्टाक्र के वेर्ड के विकास कर कर के

This is to certify that Mr. / Ms./Or. S. Manyuda.

LICE - BIT CAMPUS

Achive

in the National Conference on "Emerging Trends in Computing,

has presented a paper titled

Control and Communication Technologies" (ETCCCT'20) held on 13th March, 2020.

Organizing Secretary

Programme Chair

Chair

A REPORT

ON

One Day National Conference on
"Emerging Trends
Computing ,Control and Communication
Technologies"

ETCCCT'20

13th March 2020



by

Department of Electronics and Communication Engineering

KINGS COLLEGE OF ENGINEERING, PUNALKULAM

NAAC Accredited Institution

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

E-mail: kceetccct@gmail.com

Phone: 04362-282474, 282395

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Kings College of Engineering: A GLIMPSE

Kings College of Engineering is a leading technical institute approved by All India Council of Technical Education, New Delhi (AICTE) and is affiliated to the Anna University, Chennai established by Raj Educational Trust in 2001 offering 6 courses at UG level and 4 courses at PG level. It has been accredited by NAAC and acquired ISO certification by TUV, Rheinland, Germany The institution is located at Thanjavur, a historical place of Tamil Nadu on the Thanjavur – Pudukottai Highway. It is a pioneer institute imparting knowledge in Engineering to the rural students. The institution has inspiration to provide research exposure to the engineering students and its dream came true by the establishment of Research & Development Cell. The institution has undertaken various sponsored R&D projects funded by government organizations namely DRDO, MOCIT, New Delhi.

About ECE Department:

The Electronics and Communication Engineering Department offers B.E. degree programme in Electronics and Communication Engineering from its inception and M.E degree programme in VLSI design from the year 2008. It has an excellent team of well qualified and dedicated faculties. The department has well equipped laboratories to give a wide exposure to the students in acquiring practical knowledge and hands-on-experience besides their curriculum. The inspiration of our department is to produce dynamic and globally competent engineers through excellence in Teaching, Research and Technology development.

About the Conference:

The ETCCCT'20 offers a forum for the exchange of scientific and technical Innovative concepts and new ideas in the areas of computing, control and communication technologies. Also it promotes an affable environment facilitating academicians, industry experts and scholars to exchange their research ideas for collaborative work. The thrust areas are as follows.

Thrust Areas:

- > Antennas & Microwave Engineering
- Wireless Communication and sensor network
- Cognitive system research
- Embedded System Design
- > Fuzzy and Neural based Systems
- > Hybrid system and Modelling Design
- > IOT based instrumentation
- ➤ Semiconductor Devices and VLSI
- Signal and image processing

OVERVIEW OF CONFERENCE

INAUGURAL FUNCTION

The conference was started as per the schedule at 10:00 a.m. at Chera hall with the registration of participants from reputed institutions. The conference was inaugurated with prayer and lightening the lamp.



Inaugural Function- chief guest on the stage.



Inaugural Function- Lighting the kuthuvilakku

The function was graced by the Chief guest of the function, Dr .Arjun K.Majumdar , Full professor ,Colorado University , USA. Dr. R. Rajendran, Secretary of Kings college of Engineering, Dr. J.Arputha Vijaya Selvi, the Principal of Kings college of Engineering, Dr. S.Sivakumar, the Vice Principal of K.C.E, Dr.A.Albert Martin Ruban , Organizing Secetary, Dr.S.M.Uma, Programme chair ,Prof.N.Mangaiyarkarasi , Convener of the conference and Head of the department of Electronics and communication Engineering, K.C.E.

Dr.J.Arputha Vijaya Selvi, General chair of ETCCCT'20 welcomed the invited guests, participants and gathering by the words. Dr. R. Rajendran, Secretary delivered presidential address and also conveyed the objectives of organizing the ETCCCT'20 at the outset. He emphasized that, this kind of conference will provide opportunity for the student's community as well as the participants to listen to the talk from eminent speakers. Dr.S.Sivakumar, Co-chair conveyed the overview of the Conference, ETCCCT'20.

The chief guest and the guest of honor was then honored with shawl and momento by the Dr. R. Rajendran Secretary , Dr. J.Arputha Vijaya Selvi , Principal of K.C.E respectively.

The conference proceeding was then released by the Chief guest $\,$ Dr.K.Arjun K.Majumdar , & it was received by $\,$ Prof. J.Arputha Vijaya $\,$ Selvi, the principal of K.C.E

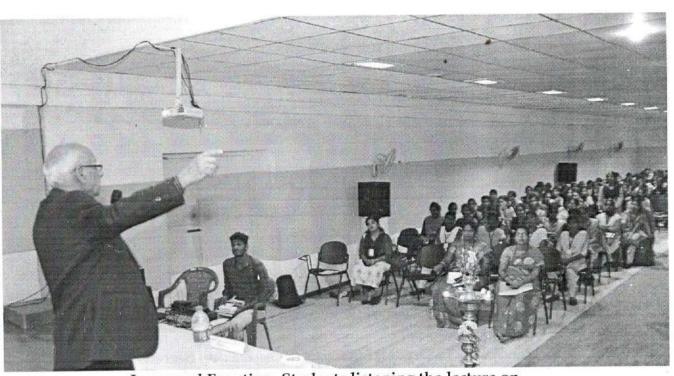


Inaugural Function- Chief Guest Releasing the conference proceeding.

The chief guest, Dr.Arjun K.Majumdar delivered the inaugural address. After the inaugural function, the expert session was started. In that session, the Invited Talk was delivered by Dr.Arjun K.Majumdar.



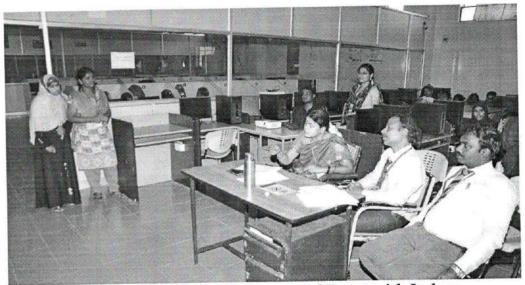
Inaugural Function-Invited Talk by Dr .Arjun K.Majumdar, Full professor, Coloroda university, USA



Inaugural Function- Students listening the lecture on "Free Space Optical Communication"

Technical Session:

The paper presentation session was divided into two tracks. Two tracks ran parallel where the experts and scholars presented their views on different topics pertaining to themes of ETCCCT'20. Key-note lecture, expert talks and paper presentation sessions justified the themes of conference. This conference proved its existence in contributing knowledge in the domain of communication technologies.



Students presenting the paper and Event with Judges

There was a lunch break at 01:45 p.m. after the session.

VALEDICTORY FUNCTION:

After the paper presentation session, the valedictory function was organized in Chera hall of K.C.E.



Valedictory Function - NCEC'15 Organizing Chair & Organizing Secretaries on the stage
- Distribution of Certificates

Dr.S.M Uma, Programme chair delivered the welcome address and report of conference ETCCCT'20 at the valedictory function. Chief Guest did the certificate distribution. Prof.N.Mangaiyarkarasi, Convener delivered the Vote of thanks.



Vote of thanks by Prof.N.Mangaiyarkarasi

The function ended with national anthem.

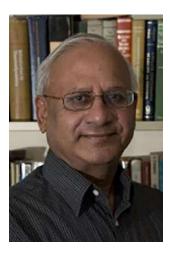
9.

Staff coordinators

HOD/ECE HOD/ECE

Frincipal

Arun K. Majumdar



Dr. Arun K. Majumdar has over 30 years of professional expertise and has demonstrated leadership skills in research and development from within industry, university and national laboratory settings in the areas of atmospheric turbulence effects on free-space laser communications, propagation and imaging. His current research areas are Free-Space Laser Communications and advanced FSO Communications, Image corrections and Communications through atmospheric turbulence.

His previous significant professional experience includes:

- U.S. Department of the Navy (Ret.) (Senior Scientist/Principal Investigator)
- University of Colorado (Full Professor, Electrical Engineering and Computer Science Dept.)
- Senior Research Scientist at Lockheed-California Company
- NIST (Visiting Professor)
- Caltech's Jet Propulsion Laboratory
- MIT Lincoln Laboratory (Staff Member)
- Brno University of Technology, Brno, Czech Republic (Visiting Professor)

Dr. Majumdar has served as Editor-in-Chief of the JOFCR (*Journal of Optical and Fiber Communications Research*) and Editor of the *SPIE Proceedings*. He has published over 60 journal and conference papers and technical reports. He serves as reviewer for IEEE, OSA, SPIE, Springer and Elsevier Journals. He was the co-chair of the SPIE's conferences on Free-Space Laser Communications until 2013. He has led seminars and short courses at various organizations throughout the world such as The Boeing Company (US), BAE Systems (US), Gujrat University (India), and Oxford University (UK) to name just a few.







Department of Electronics and Communication Engineering

National conference

on

Innovations in Embedded systems and Networking (NCIEN-20)

Date: 21.03.2018 Venue: Pallava Hall

INCOME

REGISTRATION AMOUNT : 53,900

EXPENDITURE

BROCHURE : 1245

FILE &PAD : 1800

FLEX : 1000

CERTIFICATE : 1080

KIT -PEN : 175

PROCEEDING : 700

RECEPTION

STAGE DECORATION

KOLAM : 940

A4 SHEET : 215

SHAWL MOMENTO : 625

FOOD : 11335

CHIEF GUEST : 5000

SNACKS : 750

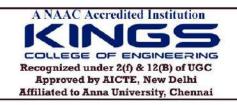
Total : 24865

Journal : $(43 \times 700) = 30100$

Total Expenditure : (30100 + 24865) = 54965

Balance : 53900 – 54965 = - 1065 (Shortage)







DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING ACADEMIC YEAR 2019-20 EVEN

Report for

ONE DAY WORKSHOP ON "HIGHER EDUCATION & ROLE OF ENGINEERS IN FUTURE INDIA"

Prepared by
Mr. R. Thandayuthapani AP/ECE
Mr. S. Sivakumar AP/ECE







DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

ACADEMIC YEAR 2019-20 EVEN

ONE DAY WORKSHOP ON

"Higher Education & Role of Engineers in Future India"

POST WORKSHOP REPORT

Event : Workshop

Title : Higher Education & Role of Engineers in Future India

Date : 06.03.2020

Technical Sponsor: IEEE Students Branch-STB16621

Number of Beneficiaries: External: 16

Internal participants: 05

Resource Persons : 1. Dr. A. Senthil kumar, Project Scientist, IIT - Chennai.

2. Mr.K. Amirtha Ganesh, Director, Armada Industrial Automation

3. Mr.T.Pasupathi AP/ECE, KCE.

Venue : Pallava Hall

Department of Electronics and Communication Engineering organized a one day **Workshop** on "**Higher Education & Role of Engineers in Future India** for polytechnic students on 06.03.2020. 16 students from various polytechnic colleges in and around Thanjavur and Pudukkottai district were participated in this event. The main objective of this event is to educate the students for choosing their higher education. At end of this workshop students understood the importance of engineering, how to prepare themselves to place in NIT and IIT, opportunities in government sector and how to become an entrepreneur. Participants extended their fullest effort for the workshop. Welcome address delivered by Mrs. N. Mangaiyarkarasi AP/ECE, Academic coordinator/ECE, Mrs. D. Vennila AP/ECE introducing the chief guests, Dr. T. Shanthi AP/ECE., Project officer delivered the inaugural address& Mr. R. Thandayuthapani delivered the vote of thanks.

Snapshots





Dignitaries on the dais during Inauguration





Welcome Address by Mrs N. Mangaiyarkarasi AP/ECE Inaugural Address Dr. T. Shanthi, Project Officer





Dr. A. Senthil kumar delivered his lecture on Higher Education

Session I:

Session –I was handled by Dr. A. Senthil kumar, scientist, IIT, Chennai delivered the lecture on higher education, how to get ready for getting admissions in NIT's, IIT's, what are the preliminary steps need to follow for getting higher education at abroad. The students are actively participated in this event, some of the students are interacted with resource person, he clarified all their doubts.

Session II:

Session –I was handled by Mr. K. Amirtha Ganesh, Director, Armada Industrial Automation, Thanjavur. He delivered the lecture on role of engineers in future India, how to choose the career and employability skills. Mr. T. Pasupathi AP/ECE, Kings College of Engineering delivered his lecture on how to become a entrepreneur.





Mr. K. Amirtha Ganesh & Mr. T. Pasupathi deliverd his lecture



Feedback session



Certificate Distribution



National Anthem

Coordinator HOD Principal







DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING ACADEMIC YEAR (2019-2020) EVEN SEMESTER

Date: 15.02.2020

CIRCULAR

This is to inform that all the III and IV Year Students are instructed to attend the Guest lecture on "Wireless Communication" on 15.02.2020 at 11.00 am to 12.30 pm. Attendance is compulsory.

Resource Person: Mr.Abhishek kumar,

JRF/ECE

National Institute of Technology, Karnataka

Venue: Lecture Hall







Guest Lecture on "Wireless Communications"

A Guest Lecture on Wireless Communications was organized by IEEE STB 16621 and Department of ECE on 15th February, 2020. Mr. T. Pasupathi, Assistant Professor/ECE welcomed and introduced the resource person to the gathering. Mr. Abhishek Kumar, Junior Research Fellow/ECE, National Institute of Technology - Karnataka, Surathkal was the resource person.

In his lecture, he briefed on 5G mobile technology key features, which includes the modulation schemes, bandwidth, datarate and implementation strategies. Also he briefed on the applications of next generation network i.e. Free Space Optical Communication with case studies. A total of 50 students participated and got benefitted.



Report by Mr. T. Pasupathi Membership No. 93393158 Kings College of Engineering pasu.tamil@gmail.com







DEPARTMENT OF ELECTRONICSAND COMMUNICATION ENGINEERING

One Day Workshop

0n

One Day Workshop on Machine Learning Using PYTHON

Organized by Electronic and communication Department Dated: 14/2/2020

Faculty Coordinated by: R.Raja Pirian AP/ECE & P.Thirumagal AP/ECE

Total Participants : 77 Students

Place : PALLAVA HALL

Expert Invited : Mr.KARTHI RENGANATHAN,

BUSINESS HEAD,

IFANDFOR ENDEAVOURS

CHENNAI.

One day work shop on **Machine Learning using Python** was organized by Department of Electronics and Communication Engineering, to motivate the students to involve them in IoT Domain and also the students to get more ideas about the Machine Learning for their project works and for their career development. Mr.Karthi Renganathan, Business Head, IFANDFOR Endeavours –Chennai, was the resource person.

The workshop begins at 10.15 a.m on 14/02/2020, Mr.P.Raja Pirian, AP/ECE coordinator of the workshop, welcomes the resource person and the gathering. Mrs.P.Thirumagal,AP/ECE coordinator of the workshop give introduction about the Resource person Mr.Karthi Renenga **IFANDFOR** Nathan. Business Head. Endeavours. Chennai. Mrs.N.Mangiyarkarasi HoD/ECE Honored the Chief guest and delivered the presidential address. Immediately the 1st session begins with introduction about Machine Learning by Mr.Karthi Renenga Nathan, his lecture covers basics of Machine Learning and introduction to python. After the tea break the resource person continued the second session. This session covers the topics such as Linear Regression, Trees and forests which will be used for statistical.

After the Lunch break The 3nd session which was demo session, The resource person demonstrate two applications such as applications using clustering concept, Neural network in a detailed manner. All the students were actively involved in the entire sessions and got more ideas and knowledge in machine learning and python.

After Tea break the workshop ends with valedictory function. Each student from Sri Bharathi Engineering College and St.Joseph College of Engineering and Technology gave feedback about the workshop. After that Mrs. N. Mangaiyarkarasi HoD/ECE, distribute the certificates to the participants followed by Mr. P. Raja Pirian AP/ECE Coordinator of the workshop delivered the vote of thanks. The program ends with national anthem. Nearly 77 students were participated in the workshop, 17 students from other colleges (Sri Bharathi Engineering College for Womens, St. Joshep Engineering College) and 60 students from CSE and ECE of kings college of Engineering.

Photo Gallery

Prayer Song:



Inagural Address By HOD:



Prize Distribution



Chief Guest Interaction with students



A one Day Workshop on "Machine Learning using Python" was organized by Department of Electronics and Communication Engineering at Pallava Hall February 14, 2020, in Kings College of Engineering, Punalkulam.

This workshop is coordinated by Mr.R.Raja Pirian AP/ECE & Mrs. P.Thirumagal AP/ECE. Welcome Speech by R.Rahapirian AP, Inagural address by N.Mangaiyarkarasi.HOD/ECE. The 75 students were attended this workshop.

Python has been designed with the provision for creating Machine Learning algorithms. Python is preferred as the best and robust platform for Machine Learning systems. Python also has numerous libraries for machine learning, data manipulation and analysis as well as a very active development community that continuously updates and creates new packages. It has been adopted by a wide variety of industries and applications including Data Science, Machine Learning, Data Analytics, Predictive Analytics, Business Intelligence and Web Analytics. This workshop aims to explore Python Programming right from installation, fundamentals to Machine Learning algorithms.

The lecture was focused on the key concepts related to machine learning and the participants received a brief overview of the following topics: Introduction to Python, Python Installation, Python Basics and Native Types, Functional Programming with Python, Introduction to Machine Learning, Future of Machine Learning in AI, Installing Anaconda and Jupyter, Overview of Numpy and Pandas, Understanding Machine Learning Algorithms, Introduction to Object Detection, Building a Face Recognition App.

Outcome of Workshop Target Audience

- > Familiarity with Python installation, syntax and design
- > Familiarity with machine learning algorithms
- > Hands-on designing of small projects on their own UG students.

Highlights of the Workshop

- Workshop with complete hands-on experience
- > Experts from industry with more than 10 years of experience
- Basics of Python and machine learning algorithms

The interesting examples from around the world were the highlight of the session. Workshop was more informative.









06.08.19

National Level Technical Symposium e-BLAST 2k19 29th August 2019

(Department of Electronics and Communication Engineering)

Contact No: +91 9751818592 email id : eblast2k19@gmail.com

CHIEF PATRONS

Dr. R. Rajendran, Ph.D.,

Secretary

Mr.T.R.S.Muthukumaar, M.B.A., Chief Executive Officer.

PATRON

Dr.J.ArputhaVijayaSelvi,M.E.,Ph.D., Principal.

CO-PATRON

Dr. S.Sivakumar, M.E., Ph.D, Vice Principal.

SYMPOSIUM CHAIR

Mrs.N.Mangaiyarkarasi.,M.E., HOD/ECE

STAFF CO-ORDINATORS

Mr.R.Thandayuthapani,M.E., Assistant Professor, ECE

Mr.W.Newton David Raj, M.Tech.,M.B.A., Assistant Professor, ECE

STUDENT CO-ORDINATORS

Mr.S.Dhivakar, IV ECE

Ms.K.Priyadharshini, IV ECE To

The HOD/ECE

Dear sir / Madam

Greetings from Kings College of Engineering

Sub: Call for Papers- National Level Technical Symposium e-blast2k19 - reg.,

We take immense pleasure to inform you that the Department of Electronics and Communication Engineering is organizing a one day National Level Technical Symposium e-blast2k19.

This Symposium includes Paper Presentation, Project EXPO, One Minute Jam, Ex-Quiz-me, Fun Events & Games. We expect more participants from various technical institutions and universities across Tamil Nadu for this Symposium e-BLAST2k19.

We would be very happy if you extend your whole hearted support by giving due prominence to exhibit the brochure on your notice board, circulating among your faculties and students and by encouraging active participation of your students.

Thanking you,

With Regards,

Encl: Brochure.







Department of Electronics and Communication Engineering NATIONAL LEVEL TECHNICAL SYMPOSIUM

(**CBlast2k19**) on 29/08/2019

REPORT

The Department of Electronics and Communication Engineering of our college has organized a **NATIONAL LEVEL TECHNICAL SYMPOSIUM (eBlast2k19)** on 29th Aug 2019.

The symposium focuses to articulate new ideas in distinguished electronics and communication field and to result with the sharing knowledge among the participants. Various students from 30 engineering colleges were actively participated in the symposium.

The Symposium begins with the formal prayer song "Tamil Thai Valzthu", immediately selvan. E.Ilankhatir of IV ECE welcome the gathering. The symposium was inaugurated with lighting the lamp by the honourable dignitaries. Dr. J.Arputha Vijaya Selvi, Principal, KCE, honour the chief guest by shawl and memento. Presidential address was delivered by Dr.R. Rajendran, Secretary, KCE after that the prestigious proceedings was relished by Dr. T. Anita Jones Mary, Associate Professor, Karunya University and received by Dr.J.Arputha Vijay Selvi, Principal, KCE. Mr.W.Newton David Raj AP/ECE, one of the coordinator of symposium, introduced the chief guest followed by a special address was delivered by Dr. T. Anita Jones Mary, in the field of Radio Frequency, her topic covers all things about radio frequency and its modern uses. Dr.J.Arputha Vijay Selvi felicitate the symposium.



Dr.T.Anita Jones Mary. Associate Professor of Karunya University lightening the kuthuvizhakku



Welcome address by selvan. E.Ilankhatir of IV ECE



The Principal Dr.J. Arputha Vijaya Selvi honouring the chief guest with shawl



Presidential Address by Secretary Dr. R. Rajendran



Releasing of souvenir by dignitaries



Chiefguest introduction by Mr.W.Newton David Raj



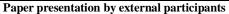
Felicitation address by Dr.J.Arputha Vijaya Selvi , Principal KCE



Special address by Dr. T. Anita Jones Mary, Associate Professor of Karunya University

After a high tea, the symposium continued with paper presentation. Out of 60 technical papers 19 papers were selected and presented in 2 parallel sessions. One session was chaired by Dr.T.Anita Jones Mary, Associate Professor of Karunya University and Mr.P.Raja Pirian AP/ECE, they reviewed 10 papers and the other session was chaired by Dr.T.Shanthi, Associate Professor, and Mrs.R.Ponni AP/ECE, they reviewed 9 papers. Finally they selected 3 best papers and awarded with a cash prize of Rs.1000, Rs.750 and Rs.500 respectively.







External participants at AV hall

Simultaneously, in the LIC lab a mini project event was conducted by Mr.T.Paupathi AP/ECE and Mr.K.Sudarsanan AP/ECE, there are 15 batches of students from various colleges actively present their projects and the projects were evaluated by Mr.A.Herald AP/ECE and Mr.S.Ramarajan AP/ECE. Finally 3 best projects were awarded with a cash prize of Rs.750, Rs.500 and a gift respectively.



Audience for paper presentation at AV Hall



A live demo of drone was presented by students of PMU.

After that the participants had enjoyed with a nice lunch and cool ice-cream followed by three non technical events namely Ex-Quiz- Me, one minute jam, Kahoot and few fun games were conducted by students. Many of the students were actively participated and enjoyed a lot.



Summary of symposium by K.Akalya of final year ECE



Awards & Prize distributions by Mrs.N.Mangaiyarkarasi HOD/ECE



Awards & Prize distributions by Mrs.N.Mangaiyarkarasi HOD/ECE

Finally the valedictory function was started with a video presentation by final ECE students that show the latest innovations in electronics field. K.Akalya of final year ECE give the summary of symposium. Mrs.N.Mangaiyarkarasi HOD/ECE distributed the cash award and prizes for the winners and also issued the participation certificates for all the participants. Mr.W.Newton David Raj, AP/ECE and Mr.R.Thandayuthapani, AP/ECE coordinates the entire symposium. K.Priyadharshini, Vice president of the symposium says thanks to the management, staff members, all the participants and the organizers by vote of thanks. The symposium was successfully finished with national anthem.







INDUSTRIAL VISIT REPORT

SIEMENS CENTRE OF EXCELLENCE IN MANUFACTURING NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI-620015



28th January 2019,

The students of CSE,ECE, EEE & MECH department from $\mathbf{5}^{th}$ semester of KCE.

To get practical knowledge in designing a product and to give an insight about the way things work, a group of 78 students from CSE, ECE, EEE and Mech, visited to **SIEMENS CENTRE OF EXCELLENCE IN MANUFACTURING,NATIONAL INSTITUTE OF TECHNOLOGY,** situated at Thanjavur-Tiruchirappalli highway on 28th January,2019 assisted by 4 faculty Members Mr. T.Pasupathi, AP/ECE, Mr.J.Arockiaraj, AP/EEE, Mr.R.Shankar, AP/Mech and Mrs.Chandraprabha, AP/CSE.

We reached the National Institute of Technology, Tiruchirappalli campus by 10:30 AM and we logged into the Siemens Centre of Excellence in manufacturing campus after the security check at 10:45 AM. We were accompanied by J.Josephine Aishwarya, student Co-Ordinator, SCEIM.

Dr.M.Duraiselvam, Head of the CoE, gave an overview about the Siemens Centre of Excellence in Manufacturing lab. During his presentation he listed the 12 sophisticated Laboratories for Design and Validation, Advanced Manufacturing, Test and Optimization, Automation, Electrical and Energy savings, Process Instrumentation, Mechatronics, CNC Machines, CNC Controller, Robotics, Rapid Prototyping and Internet of Things which provides opportunity for promising innovations.



Dr.M.Duraiselvam, Head of the CoE addressing the students

After the presentation students were divided into four groups. Each group was taken separately and explained functioning of various labs with demonstration by the experts from SCEIM.

Product Design & Validation Lab

Biswajit Sahoo, Instructor in Product Design & Validation Laboratory has explained the Design and Validation Lab which consists of the Siemens solution for Computer Aided Design (CAD) and Computer Aided Engineering (CAE). These Solutions assist the students to understand engineering design and analysis. The examples in this lab covered industry examples from Automotive, Aerospace, Industrial Machinery & Renewable Energy Industry segments.



Mr.Biswajit Sahoo, Instructor in Product Design & Validation Laboratory demonstrating equipments at the Design and Validation Lab

Rapid Proto Typing (RPT) Lab

Kalidass.D Instructor in Rapid Prototyping (RPT) & Test and Optimization Laboratorie has explained a group of techniques used to quickly fabricate a scale model of a physical part or assembly using three-dimensional computer aided design (CAD) data.



Kalidass.D, Instructor in Rapid Prototyping (RPT) & Test and Optimization demonstrating the process of RPT.

Mechatronics Lab & Robotics Lab

Rhenius J. Bright, Instructor in Robotics Laboratory has explained role of robots in the manufacturing industry also he demonstrated the three robotics cells catering different applications in the industry such as Pick and Place Robotic Cell, Spot Welding Robotic Cell and MIG Welding Robotic Cell





Rhenius J. Bright, Instructor in Robotics Laboratory demonstrating the industrial robots

CNC Machines & Controller Lab

The concept of CNC Programming and work real Sinumerik 808D controller for Turning and Milling applications was demonstrated by the instructor. The Logical steps to execute the CNC Program on an industrial CNC Machine also explained.



Instructor demonstrating the operation of CNC Machines & Controller

Process Instrumentation & Automation Lab

Harisraj.S, Instructor in the Process Instrumentation & the Automation Lab explained the students to understand the requirement and functioning of Programmable Logic Controllers (PLCs) and Distributed Control Systems (DCS) for industrial applications.



Harisraj.S, Instructor, addressing the students

Electrical & Energy saving Lab

M. Sindhiya, Instructor in Electrical & Energy Saving laboratory explained the right frequency converter suitable for every drive application.

Internet Of Things (IOT) Lab

Sangeeth Kumar.V Instructor in Internet of Things (IOT) laboratory explained concept of Internet of Things (IoT), and various tools associated with IoT.



Students listening the concepts explained by the Instructor at IoT lab

Finally we, staffs were given a break of 5 minutes to interact with the COE and student coordinator which was a good opportunity for us to discuss about the student training and signing of MoU with SCEIM for carrying out research related activities and training for the students and staffs.

The main intention of this task is to make the students to get the knowledge of industrial process in an effective way.

By around 1.15 PM we logged out of the campus. At the end of the visit we had a good experience and learnt many things from SCEIM.







A REPORT FOR ONE DAY WORKSHOP ON

"Embedded and Real Time Systems"

on 16th AUGUST 2019

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

Name of the Event

: Workshop on Embedded and Real Time Systems

Name of the Dept

:ECE

Number of Beneficiaries

:56

Name of the Resource Person

: Mr.Arun raja,

Technical Head, Sofia Technologies Pvt Ltd,

Madurai

Date

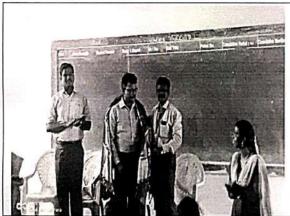
:16.08.2019

The Department of Electronics and Communication Engineering organized a one day workshop on "Embedded and Real Time Systems" on 16th August, 2019 at our college premises.

The Inaugural function was held on 16.08.2019 at 10.00a.m with Chief Guest Mr.Arun raja, Technical Head, Sofia Technologies Pvt Ltd, Madurai.

Dr.Shanthi, Project officer and co-ordinator of the workshop delivered the welcome speech and briefed about the Program followed by Mr. R.Thandayuthapani, AP/ECE, introduced the chief guest. The chief guest was honoured by Mrs.N.Mangaiyarkarasi, HOD/ECE.

Photos:



Honouring The Chief Guest



Delivering the speech

Honouring The Chief Guest



Honouring The Chief Guest by N.Mangaiyarkarsi, HOD/ECE

Delivering the speech

Guest Introduction by Dr.T.Shanthi, Project Officer

Fifty six internal participants were participated in this programm. At the valedictory function Mr. R.Thandayuthapani, AP/ECE, Co-ordinator of workshop thanks for all who is helpful for this workshop successful manner.

COORDINATOR

HOD/ECE







A REPORT FOR GUEST LECTURE ON

"INDIGENOUS INNOVATION"

on 14th AUGUST 2019

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

Name of the Event

: Guest lecture on "INDIGENOUS INNOVATION"

Name of the Dept

: ECE

Number of Beneficiaries

:42

Name of the Resource Person

: Mr.AMIRTHA GANESH,

Armada Industrial Automation,

Thanjavur.

Date

:14.08.2019

The Department of Electronics and Communication Engineering organized a Guest lecture on "INDIGENOUS INNOVATION" on $14^{\rm th}$ August, 2019 at our college premises.

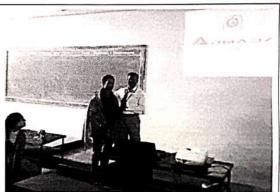
The Inaugural function was held on 14.08.2019 at 10.00 a.m with Chief Guest Mr.Amirtha Ganesh (Alumini), Armada Industrial Automation, Thanjavur.

Mrs.N.Mangaiyarkarasi, HOD/ECE delivered welcome speech followed by Dr.T.Shanthi, Project officer introduced the chief guest. The chief guest was honoured by Mr.R.Thnadyuthapani, AP/ECE.

Photos:



Honouring The Chief Guest



Honouring The Chief Guest

Mr.Amirtha Ganesh (Alumini) gave lecture on INDIGENOUS INNOVATION which was a useful to the participants.

Final year students were participated in this programm. At the valedictory function Mr. R.Thandayuthapani AP/ECE, Co-ordinator of Workshop delivered the thanks for all.

COORDINATOR

T HOD/ECE 14/9/16







DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING ACADEMIC YEAR (2019-2020) ODD SEMESTER

Date: 09.08.2019

CIRCULAR

This is to inform that all the III Year Students are instructed to attend the Guest lecture on "Renewable energy sources" on 13.08.19 at 11.00 am to 12.30 pm. Attendance is compulsory.

Resource Person: J.Arockia Raj,

Assistant Professor, EEE

Kings College Of Engineering

Venue: Pallava Hall.

Head of the Department







Academic year 2019-2020 (ODD SEMESTER) Department of Electronics and Communication Engineering

Report

Guest Lecture on "Renewable Energy Sources"

Guest Lecture on "Renewable Energy Sources" was organized for third year students of ECE on 13.08.2019 at Pallava Hall. **Mr.J.Arockia Raj, Assistant Professor /EEE, Kings College of Engineering, Punakulam** was the resource person.





Mr.J.Arockia Raj, delivering lecture



A view of participants

Mr.A.Herald, Asst.Porf/ECE, gave a warm welcome to the gathering. Mr.J.Arockia Raj was introduced to the gathering by Mr.T.Pasupathi, AP/ECE. Mrs.N.Mangaiyarkarasi, HOD/ECE honoring the resource person Mr.J.Arockia Raj.

Mr.J.Arockia Raj, delivered a lecture on "Renewable Energy Sources" which includes the concept of Wind Energy, Bio-Mass and IC Engine. He gave brief idea about wind mill, it's functioning and associated aerodynamics as well as site selection for wind farm.

He gave idea about recent technologies and materials like semiconductors, piezoelectric and magnetic materials and their synthesis for manufacturing in renewable energy. He also explained recent technologies and trends in organic solar cells.

While concluding his lecture he interacted with students and clarified the queries raised by the students.

Mr.P.Raja Pirian, Asst.Prof, proposed vote of thanks.







Expert Lecture on Antennas for Defence Applications

Date: 09.08.2019 Venue: Pallava Hall

Time: 10.00 a.m.

Invocation Song

Welcome Address – Dr. S. Sivakumar

Vice Principal, KCE

Introducing Guest – Dr. J.Arputha Vijaya Selvi

Principal, KCE

Presidential Address – Dr. R. Rajendran

Secretary, KCE

Special Address – Dr. D. C. Pande,

DRDO Distinguished Fellow

Electronics & Radar Development Establishment

Bangalore

Felicitation – Dr. S. Raghavan

Professor/ECE,

National Institute of Technology,

Trichy

Interaction with participants

Vote of Thanks – Mrs. U. Jeyamalar

Assistant Professor/ECE,

KCE

National anthem







EXPERT LECTURE ON ANTENNA MADE SIMPLE

The students' notion "Antenna is a tough Electromagnetic subject" is proved wrong by Dr. D.C. Pande, Dr. Raja Ramanna DISTINGUISHED DRDO Fellow, Electronics and Radar Development Establishment (LRDE), Bangalore. Dr. D.C Pande, while addressing around 400 students of Kings College of Engineering, Thanjavur, demonstrated that Antenna Engineering, the most important technology of communication, is a child's play. He made the students feel "Antenna is a popular subject of Electronics and Communication Engineering". He asked the students to be through in design, fabrication and testing. Dr. R. Rajendran, Secretary and Dr. J. Arputha Vijaya Selvi, Principal, while felicitating Dr. Pande insisted the importance of becoming professional society member.

Dr. S. Raghavan, Professor, NIT Trichy and IEEE senior member, in his address stressed that the engineering students should aspire for core engineering jobs and not for software placements. Earlier Prof. N. Mangaiyarkarasi, Head of the department of ECE, welcomed the gathering and explained about the activities of IEEE society of the college.









Academic year 2019-20 (ODD) **Department of Electronics and Communication Engineering**

Report

Guest Lecture on "Biomedical Instrumentation"

Guest Lecture on "Biomedical Instrumentation" was organized for third and final students of ECE and EEE on 07.08.2019 at Pallava Hall. Dr. Raji Sundararajan, Professor /Electrical Engineering, Purdue University, Indiana, USA was the resource person.



Mrs.R.Ponni welcome the gathering



Dr. J. Arputha Vijaya Selvi, introducing the person



Dr. Raji Sundararajan, delivering lecture



Mrs.D.Vennila delivering vote of thanks



A view of participants

Mrs.R.Ponni, Asst.Porf/ECE, gave a warm welcome to the gathering. Dr. Raji Sundararajan was introduced to the gathering by Dr.J.Arputha Vijaya Selvi, Principal.

Dr. Raji Sundararajan, delivered a lecture on "Electroporation based therapies for cancer" which includes the concept of Electoporation, Electro Chemotherapy and Electro-Gene therapy. Her lecture was focussed on the molecular and cellular events involved in tumor formation, progression, metastasis, and drug binding is crucial to the development of innovative therapy for cancer patients.

She also briefed the application of high intensity, short duration (milli and micro seconds), electrical voltage pulses for the treatment of breast carcinomas and other cancers, as drug delivery is one of the most challenging issues of the medical community. Dr.Raji Sundararajan shared her experince in treating the cancer patients and challenges faced during the treatment of cancer with application of electrical pulses with real time pictures.

While concluding her lecture she interacted with students and clarified the queries raised by the students.

Mrs.D.Vennila, Asst.Prof, proposed vote of thanks.

REPORT

One Day Workshop on

IoT using Raspberry Pi

Co ordinators

Mr.P.Raja Pirian AP/ECE Mrs.U.Jeyamalar AP/ECE Mr.D.Vennila AP/ECE

On

19/07/19

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING KINGS COLLEGE OF ENGINEERING PUNALKULAM

One day work shop on IoT using Raspberry Pi was organized by Department of Electronics and communication Engineering, to motivate the students to involve them in IoT Domain and also the students to get more ideas about IoT and Raspberry Pi and its interfacing systems. Mr.A.Jeevanantham, Professor/IT from Kongu Engineering College was the resource person.



Distribution of Certificates

The workshop begins at 10.30 a.m on 19/07/19, Mrs..Vennila, AP/ECE coordinator of the workshop, welcomes the resource person and the gathering. Mr.P.Raja Pirian, AP/ECE coordinator of the workshop give introduction about the Resource person. Dr.T.Shanthi Honored the Chief guest and delivered the presidential address. Mrs.N.Mangiyarkarasi HoD/ECE delivered felicitation address. Immediately the 1st session begins with introduction about IoT by Mr.Jeevananthm, his lecture covers basics of IoT, Architecture of Raspberry Pi. After the tea break the resource person continued the second session. This session covers the topics such as hardware specifications of IoT and detailed lecture about GPIO and its uses.

After the Lunch break The 3nd session which was demo session, The resource person demonstrate two applications such as Interfacing of LED and AC appliances with Raspberry Pi and also communicate with them via cloud. All the students were actively involved in the entire sessions and got more ideas and knowledge based of IoT and Raspberry Pi.

After Tea break the workshop ends with valedictory function. Each student from Anjalaiammal Mahalingam Engineering College and Mount Zion Engineering College gave feedback about the workshop. After that Mrs.N.Mangaiyarkarasi HoD/ECE, distribute the certificates to the participants followed by Mrs.U.Jeyamalar Ap/ECE Coordinator of the workshop delivered the vote of thanks. The program ends with national anthem. Nearly 61 students were participated in the workshop, 41 students from other colleges (Mount Zion, KSK College of Engineering, Anjalai Ammal Mahalingam Engineering College and Sri Bharathi Engineering College for Womens, St.Joshep Engineering College and students from CSE and ECE of college.







ISTE STUDENT CHAPTER (TN 217) ACADEMIC YEAR 2019-20(ODD SEMESTER)

Quiz Competition Report

The ISTE Student Chapter, Kings College of Engineering, organized a Quiz Competition on 1.08.19 between 10.00am - 10.45am for the ISTE student members of ECE Department. 18 students have actively participated in this competition. The following students are the prize winners.

POSITION	CLASS	NAME OF THE STUDENT
FIRST	II ECE	GLATCHAYASRI
		S.APARNAA
SECOND	III ECE	M.EZHILARASI
		M.SRITHALA
THIRD	II ECE	G.PRABHU
		S.THIRUMURUGAN

About the Event

A quiz is a form of game or mind sport in which the players (as individuals or in teams) attempt to answer questions correctly.





Participants at the session







ACADEMIC YEAR 2019-20(EVEN SEMESTER)

Name of the Event : ISTE STUDENT CHAPTER

Name of the Dept :ECE

Number of Beneficiaries : 36

Name of the Resource Person : Mrs.D.VENNILA, AP/ECE

Mrs.P.THIRUMAGAL, AP/ECE

Date :08.02.2020

Photos:



Students eagerly participating in Round-1



Juries Watching The Participants



Students eagerly participating in Round-2



Juries evaluating the answer scripts







DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING ACADEMIC YEAR (2018-2019) ODD SEMESTER THE INSTITUTION OF ENGINEERS INDIA (IEI)

ECE Student's Chapter Technical Demonstration program -REPORT

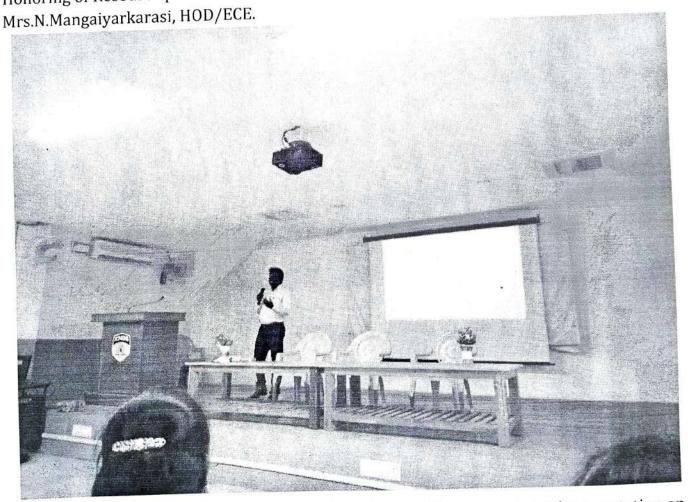
4.8.18

The IEI (ECE) student's chapter of Kings College of Engineering, Punalkulam, Thanjavur organized A Technical Demonstration on "Android mobile based Diabetic Point of care (POC) test" at Pallava Hall at 02.00 PM on 3.8.18 for the final year IEI student members. Mr.T.Jeyaseelan AP/ECE, IEI (ECE) Faculty advisor coordinated the program. Mr.A. Kanagaraj, Senior Engineer, Siemens Ltd, Chennai was the resource person. Totally 48 students were attended the program and learned about Android mobile based Diabetic Point of care (POC) test through the Technical Demonstration program.





Honoring of Resource person Mr.A. Kanagaraj, Senior Engineer, Siemens Ltd, Chennai by Mrs N Mangaiyarkarasi, HOD/ECE.



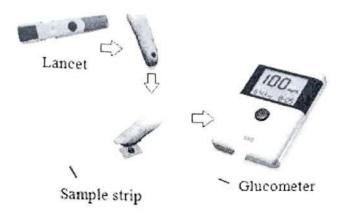
Mr.A. Kanagaraj, Senior Engineer, Siemens Ltd, Chennai Delivers technical presentation on Android mobile based Diabetic Point of care (POC) test



Participation of students and staffs in Technical Demonstration of "Android mobile based Diabetic Point of care (POC) test" at Pallava Hall on 3.8.18.



Technical Demonstration of "Android mobile based Diabetic Point of care (POC) test" at Pallava Hall on 3.8.18.



Blood sample collection and measurement of Blood Glucose level.

The students interacted with the resource person during Technical Demonstration program. Through this Technical Demonstration students leaned about how to measure Blood Glucose level of a person using photometric principle. They learned about the Glucometer device and android mobile app used for the Blood Glucose level measurement.

During the technical Demonstration, a batch of students tested their Glucose level practically with the Glucometer device and mobile app.

The Technical demonstration program was practical and the students were actively participated in the program and got practical experience on Android mobile based Diabetic Point of care (POC) test.

IEI (ECE) Faculty Advisor T.Jeyaseelan, AP/ECE HOD/ECE H/8/18

PRINCIPAL







IEI STUDENT CHAPTER ACADEMIC YEAR 2018-19(ODD SEMESTER)

Quiz Competition Report

The IEI Student Chapter, Kings College of Engineering, organized a Quiz Competition on 24.08.18 between 10.00am - 10.45am for the IEI student members of ECE Department. 20 students have actively participated in this competition. The following students are the prize winners.

POSITION	CLASS	NAME OF THE STUDENT
FIRST	II ECE	ESWARI.A
		EZHILARASI.M
SECOND	III ECE	MEERA.K
		INDHUJA.J
THIRD	IV ECE	MONISHA REETA. B
		MOWLI.L





Participants at the session

Coordinator/IEI Chapter

PRINCIPAL







DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING ACADEMIC YEAR (2019-2020) ODD SEM

WORKSHOP REPORT ON BIOS PROGRAMMING

1. Resource Person Details : Mr. S. Sasikumar, Training Engineer,

American Megatrends Private limited,

OMR Road, Chennai.

2. Topic : BIOS Programming

3. Objective : Motivated the students in all aspects, specially

students can able to ensure that the operating

system is correctly loaded into memory.

4. Date : 31.08.2018

5. Venue : Class room

6. Level of the Students : Final Year

7. Name of the Organizer : Mr. T. Jeyaseelan AP/ECE

7. Number of Beneficiaries : 30

8. Photo :



Resource person delivered the concept of BIOS Programming



Students interaction with resource person

Outcome:

- Students can able to understood relation between CMOS and BIOS.
- Known about what are the components included in BIOS.
- Understood the different sources of BIOS programming.

HOD/ECE PRINCIPAL

J. Popula







DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING ACADEMIC YEAR (2018-2019) ODD SEMESTER THE INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS (IETE) IETE STUDENTS' FORUM (ISF) GUEST LECTURE - ACTIVITY REPORT

24.9.18

The IETE students Forum (ISF) organized a Guest lecture titled "Embedded system applications in Automobiles" on 08.9.18 for the IETE student members. Mr.T.Jeyaseelan AP/ECE, IETE Students' Forum (ISF) coordinator coordinated the activity. The IETE student members have attended the Guest Lecture. Ms.Rubika, Design Engineer, Robert Bosch was the resource person.



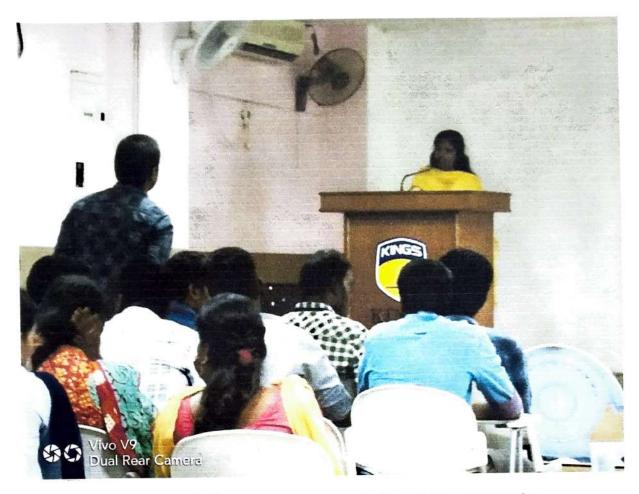
Mrs.N.Mangaiyarkarasi, Asst.Professor,Academic coordinator, department of ECE honoring Ms.Rubika, Design Engineer, Robert Bosch Pvt. Ltd.



Ms.Rubika, Design Engineer, Robert Bosch delivering Guest lecture.



View of the participants (IETE student members)



The student interacted with the resource person during interaction session.

Ms.Rubika, in her lecture shared about her field of work in bosch and their major products in the field of Embedded system. She explained the requirements of an embedded system, specifications & design of products for automobiles industry. She insisted that corporates prefer their own software development tools for the design and testing of products. Through the guest lecture, the students gained technical knowledge on embedded system applications in the field of Automobiles. The session was informative and the students were interactive and inspired.

IETE- ISF COORDINATOR Jeyaseelan.T, AP/ECE ₹ HOD/ECE

VICE PRINCIPAL

PRINCIPAL







KINGS PROJECT EXPO 2K18

PROJECT EXPO 2K'18 was organized in association with ISRO – Propulsion Complex (IPRC), Mahendragiri & IEEE – RAS, Chennai on 29th March, 2018. This project Expo aims to encourage the students' creativity and innovations on Engineering & Technology. Dr.J.Arputha Vijaya Selvi, Principal, welcomed the gathering. Mr.T.Pasupathi, AP/ECE, introduced Dr. P.A. Manoharan, Chairman, IEEE Madras Section, Chennai. Mrs N.Hemavathi, AP/EEE, introduced Dr. P. Ganesh, Deputy Project Manager & Senior Scientist, Cryogenic Engine Test Division, ISRO Propulsion Complex, Mahendragiri. Dr. R. Rajendran, Secretary, honored Dr. P.A. Manoharan and Shri.TRS. Muthukumaar, Chief Executive Officer honoured Dr. P. Ganesh. Dr. R. Rajendran, secretary presided over the function and delivered presidential address.

Dr.P.A.Manoharan, Chairman, IEEE Madras Section, inaugurated the expo and delivered the inaugural address. In his inaugural address he stressed the importance of innovations in project. Currently industries are coming forward to sponsor and establish a brand new machineries like robots in the colleges to show case their product and technology for the development purpose.

Dr. P. Ganesh, Senior Scientist, IPRC, Mahendragiri, offered felicitation and delivered keynote address on Career Guidance. Dr. P. Ganesh appreciated the efforts of the participants and distributed the prizes and certificates. Dr.S.Sivakumar, Vice Principal, Shri.R.Annamalai, PRO and heads of various departments were present. Dr.T.Shanthi, Project Officer, delivered Expo summary. Dr.S.Sivakumar delivered vote of thanks. More than 700 Students from various Engineering colleges of Tamil Nadu, Andhra Pradesh and Karnataka have participated in the Project expo.

		Details of Prize Winners	
S. No	Department	Name of the Participants / College	Title of the Project
1	Best Project Award	Jeeva S K, D Karthick, G Sanjai S Sundaramoorthy / Civil Engg., Kongu Engineering College, Erode	Modern Foot plane
2	Overall Contribution	E.G.S Pillay Engineering College, Nagapatina	am
3	Civil Engineering	First Prize: M.P.Salaimanimagudam, Civil Engg., Kings College of Engineering Second Prize: K.B.Vetharajashri, J.Grijasri, R.Sivaranjani, R.Swetha Arasu Engineering College, Kumbakonam	Design and Experimental Optimization of Dynamic Building Skin By Bim Bagasse Ash As An Effective Replacement In Fly Ash Brick
4	Computer Science & Engineering	First Prize: M S Sripadaraj, M Sai Versha, C Hari Krishna, P Ramaraju Kuppam Engineering College Second Prize: M.Baranitharan, R.Nagarajan, Kings College of Engineering	Automatic Human Detection In Surveillance Camera To Avoid Theft Activities In ATM Centr Using Artificial Intelligence
5	Electrical& Electronics Engineering	First Prize: Ahamed Maududi, Mohamed Taweeq Riyaz Ahamed, Muzamil J.J College of Engg & Tech, Tiruchirappalli Second Prize: K. Ravichandran, A. Aravinth Kumar L. Rishwanthraj, E.G.S Pillay Engineering College, Nagapatinam	Smart Wheelchair The novel of automatic areator for aquaculture application
6	Electronics & Communication Engineering	First Prize: M Aravinth, M. Jefri robinson, S. Manikandan, A. Ravichandran Second Prize: R. Aravinthkumar, M. Sudhakar, S Dhanuja, R. Shilpa Annamalai University, Chidambaram	Automatic Health drink maker for old age people physically challenged and blind persons. Flood Water and Rain Water Management
7	Mechanical Engineering	First Prize: S.Hariharan, J.Jothibasu, M.Narendren R.Navaneetha Krishnan Kings College of Engineering Second Prize: G.Saravanakumar, K.Saravanakumar University College of Engineering, Thirukuvalai	Mechanically Operated Garbage Cleaning Vehicle Using Hoecken' Linkage Mechanism Design and Analysis Of High Altitude Wind Power Generation System



Dignitaries on the Dias

Lighting of Ceremonial Lamp



Welcome Address by Dr. J. Arputha Vijaya Selvi, Principal, KCE



Honoring the Chief Guest - Dr. P.A. Manoharan, Chairman-IEEE



Honoring the Guest - Dr. P. Ganesh, Sr. Scientist, IPRC



Presidential Address by Dr. R. Rajendran, Secretary, KCE





Release of Hardcopy of Souvenir

Release of Softcopy of Souvenir





Inaugural Address by Dr. P. A. Manoharan

Invited Talk by Dr. P. Ganesh





A view of the participants

Inaugurating the EXPO











View of the projects displayed at the EXPO





Aero Modeling by 3TN Air Sqn (Tech), Trichy

EXPO summary by Dr. T. Shanthi, PO, KCE





Distribution of Prize to the winners

Participants receiving Best Project Award







Report - Special Lecture

R&D section and ISTE Staff Chapter (TN 205) organized a special lecture "Dos & Don'ts in drafting Proposals" on 16.03.2019. Dr. S. Krishna Kumar, Senior Technical Officer, DRDO, Avadi, Chennai, was resource person. In his lecture, he insisted the staff members to prepare proposals according to the guidelines of the funding agency. In addition, he briefed on the smart technologies and innovations that are deployed for the surveillance of our nation. While concluding, he insisted the staff to advise the students to contribute their technical knowledge in an effective way for the betterment of our Nation.



Dr. S. Krishna Kumar delievering lecture.

Prepared by



Organizing Committee

Chief Patrons:

Dr. R. Rajendran, Secretary Mr.T.R.S.Muthukumaar, CEO

Dr. J. Arputha Vijaya Selvi, Principal

Co-Patron:

Dr.S.Sivakumar, Vice Principal

Conference Chair

Prof. N. Mangaiyarkarasi, HOD(i/c)/ECE

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Mrs. U. Jeyamalar, AP/ECE

Advisory Committee:

Dr. Pallapa Venkataram

Indian Institute of Science, Bangalore Dr.S. Raghavan

National Institute of Technology, Tiruchirappalli Dr.S. Krishna Kumar,

Defence Research and Development Org., Chennai.

Dr.P. Dananjayan

Pondicherry Engineering College, Pondicherry

Dr.N. Siyakumaran

National Institute of Technology, Tiruchirappalli

Dr.M. Aramudhan

Perunthalaivar Kamarajar Inst. of Engg., & Tech, Karaika

Dr.P.A. Manoharan

Chairman, IEEE Madras Section

Dr.D. Javanthi

GRIET, Hyderabad Dr.S. Suganthi

CHRIST University, Bangalore

Dr.Shanthi prince

SRM Institute of Science & Technology, Chennai.

Dr.A. Balaji Ganesh

Velammal Engineering College, Chennai

Dates to remember

Last date for submission of full papers: 25.02.2019 : 28.02.2019 Intimation of Acceptance

Deadline for registration and

: 05.03.2019 Camera ready paper submission









National Conference on Emerging Trends in Electronics and **Communication Engineering (ETECE'19)**

15th March, 2019

hosted by

Department of Electronics & Communication Engineering Kings College of Engineering, Punalkulam

Keynote Speakers



Dr. S. Krishna Kumar Defence Research & Development Organization



Dr. S. Albert Alexander Kongu Engineering College

About the Conference

The National Conference on Emerging Trends in Electronics and Communication Engineering (NCETECE'19) aims to provide a forum for presenting and discussing new design, issues & novel methods and alternative technologies in the area of Electronics and Communication Engineering. It provides a platform for students, research scholars, academicians and industry professionals for sharing and exploring new areas of research and development. NCETECE'19 will feature keynote lectures by renowned academicians and scientists to enhance their knowledge in the area of Electronics and Communication Engineering and other related fields.

Paper submitted must be original and should not have been previously published or under consideration

for publication. All accepted papers will be sent for peer review and the corresponding author will be notified of the outcome. Minimum one author should register. Papers should be in IEEE format (doc) not

- Ad-hoc and Sensor Networking AI & Robotics
- Control Systems
- Cryptography
- Digital & Analog Circuits and Application Electric Vehicle Technologies
- Embedded & VLSI Design
- Microelectronics

- Nanotechnology
- Optical Network and Systems Optoelectronic Circuits
- Organic Electronics
- Satellite and Space Communication Semiconductor Devices
- Signal Processing/Image processing
- Wireless Communication Systems and Networking

Technical Committee: Dr.D. Sriramkumar

National Institute of Technology, Tiruchirappalli

Dr.A. Sivanantha Raja

Government College of Engineering, Bargur

Dr.G. Nagarajan

Pondicherry Engineering College, Puducherry

Dr. C. Vennila

Saranathan College of Engineering, Tiruchirappalli

Dr. C. Sarayanan

National Institute of Technology, Durgapur

Dr.S. Albert Alexander

Kongu Engineering College, Perundurai

Dr.T. Jayasankar

Anna University BIT Campus, Tiruchirappalli.

Dr.R. Vimalathithan

Karpagam college of Engg, Coimbatore

Dr. K. Prabu

National Institute of Technology, Mangalore

Dr. V. Sakthivel

National Institute of Technology, Calicut

Dr. R. Boopathi Rani

National Institute of Technology, Karaikal

Publication:

All the accepted papers will be published in the conference proceedings with ISBN. In addition, selected papers will be published in indexed journals based on the authors' consent with additional charges. Journal details are available at

Registration Fee Details

Members from Academia / Industry

:Rs. 750 Research Scholars UG/PG Students :Rs. 500 Participants (Listeners) :Rs. 300

Registration fee includes conference Proceedings (CD), lunch and refreshments.

The Organizing Secretary,

Dept. of Electronics & Communication Engg., Kings College of Engg., Punalkulam- 613303. Near Thanjavur, Tamil Nadu Mob: 94868 02587 / 97914 68414 email: ncec@kingsindia.net, herald.ece@gmail.com

website: www.kingsindia.net

About the Institution

Kings College of Engineering (KCE) is an institution which was formed with the single aim of providing quality education to the poor and underprivileged students. KCE is approved by All India Council for Technical Education (AICTE), New Delhi and is affiliated to Anna University, Chennai. The institution was established in the year 2001 on a sprawling campus of around 60 acres on the Thanjavur -Pudukkottai Highway and run by Raj Educational Trust (RET), Chennai. The institution offers five UG and five PG programmes, certified with ISO 9001:2008 and accredited by NAAC. The state of the art teaching methodologies are used to impart high quality education to the students including e-learning.

About the Department

The Department of Electronics and Communication Engineering was established with state of art laboratories in the year 2001. It is continuously upgrading the infrastructure and laboratory facilities with the emerging

technology as per the industrial needs. The department is recognized as research centre for collaborative research by Anna University, Chennai. A significant number of research projects funded by government and non-government organizations viz. DRDO, MCIT, AICTE New Delhi, TNSCST, Chennai and Texas Instruments USA have been successfully carried out.

About the Conference

The National Conference on Emerging Trends in Electronics and Communication Engineering (ETECE'19) is to provide a forum for presenting and discussing new design, issues and novel methods and alternative technologies in the area of Embedded Systems and Networking. It provides a platform for students, research scholars. academicians and industry professionals for sharing and exploring new areas of research and development. It will feature keynote lectures by renowned academicians to enhance their knowledge in the area of Signal Processing, VLSI design and other related fields.

Themes

- Semiconductor Devices
- Control Systems
- Digital & Analog Circuits and Application
- Embedded & VLSI Design
- Signal Processing/Image processing
- Wireless communication systems and networking
- Ad-hoc and Sensor Networking
- Communication and Information System Security
- Satellite and Space Communication
- Optical Network and Systems
- Optoelectronic Circuits
- Microelectronics
- Nanotechnology
- Electric Vehicle Technologies
- AI &Robotics
- Under Water Communication
- Organic Electronics,etc.,

Paper Format

Full Paper not exceeding 5 pages should be submitted in IEEE double column format (soft copy in MS-Word as E-mail attachment). After acceptance, 2 hard copies of the paper along with Registration Fee in the form of Demand Draft should be submitted.

Organizing Committee

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Dr. R. Rajendran

Secretary

Mr. T.R.S. Muthukumaar

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Patron

Dr. J. Arputha Vijaya Selvi

Prinicipal, Kings College of Engineering.

Co-Patron

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Vice Principal

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Mrs. N. Mangaiyarkarasi Academic Coordinator, ECE

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Dr.S.Raghavan, NIT, Trichy.

Dr.S.Krishna Kumar, DRDO, Chennai.

Dr.P.Dananjayan, PEC, Pondicherry.

Dr. N. Sivakumaran, NIT, Trichy.

Dr. P.A Manoharan, IIT Research Park, Chennai

Dr.Shanthi prince, SRMIST, Chennai.

Dr.S.Suganthi, CHRIST, Bangalore.

Dr.D.Jayanthi, GRIET, Hyderabad.

Dr. M. Aramudhan, PKIET, Karaikal.

Dr .A. Balaji Ganesh, VEC, Chennai.

Technical Committee

Dr.A.Sivanantha Raja, GCE, Bargur.

Dr.G.NAGARAJAN, PEC, Pondicherry.

Dr.Saravanan Chandran, NIT, Durgapur.

Dr.C.Vennila, SCE, Trichy.

Dr.S.Albert Alexander, KEC, Erode.

Dr. R. Boopathi Rani, NIT, Karaikal.

Dr. V. Sakthivel, NIT, Calicut.

Dr.K.Prabu, NIT, Warangal.

Dr.T.Jayasankar, BIT Campus, Trichy.

Dr.R.Vimalathithan, KCE, Coimbatore.

Registration Fee

PG students / Faculty Members /

Research Scholars : Rs. 1000/*-

Others participants(Listeners): Rs. 300/-

• Selected Papers will be published in Indexed Journals.

*Including publication charges.

Important Dates

Submission of Full Paper : 25.02.2019

Notification of Acceptance : 28.02.2019

Last date for Registration : 12.03.2019

Contact Address

The Organizing secretaries – ETECE'19,

Dept. of ECE,

Kings College of Engineering

Punalkulam, Thanjavur.

94868 02587 / 97914 68414

Email: ncec@kingsindia.net



National Conference on Emerging Trends in Electronics and Communication Engineering (ETECE-19) on

15st March, 2019



Organized by

Department of Electronics and Communication Engineering

Technically sponsored by

Robotics & Automation Society, IEEE Madras Section

KINGS COLLEGE OF ENGINEERING

(NAAC Accredited Institution)

Approved by AICTE, New Delhi & Affiliated to

Anna University, Chennai

Phone: 04362-282474

www.kingsindia.net

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

Ref: KCE /PRL/NCON/ 016 /18-19



11.01.2019

To

The President,

The Institution of Electronics and Telecommunication Engineers (IETE), 2, Institutional Area, Lodhi Road, New Delhi 110003.

Respected Sir.

Greetings from Kings College of Engineering

Sub: Requisition for Technical Sponsorship - National Conference - NCETECE'19 - reg.,

I would like to bring to your kind notice that we are organizing a National Conference on "Emerging Trends in Electronics and Communication Engineering (NCETECE'19)" on 15th March, 2019. We are seeking sponsorship from various funding agencies.

Various technical activities are conducted in IETE Student Forum of our institution. Activities carried out between January 2018 and December 2018 is given below:

- Workshop on "Introduction to Java Programming" on 31.08.2018 by Mr. Jagadeesh Kumar, Navils Software Pvt. Ltd., Chennai.
- > Guest lecture on "Embedded System Applications in Automobiles" on 08.09.2018 by Ms. Rubika, Design Engineer, Robert Bosch, Coimbatore.
- Technical Demonstration on "Point of care diagnostics for Diabetic Patients" on 03.08.2018 by Mr. A. Kanagaraj, Area Manager, Siements Ltd, Chennai.

We request your good-self to kindly help in getting IETE Technical Sponsorship for the conference. We have enclosed a write-up about our institution and conference we are going to organize.

We request your earliest reply.

J. 100mty 19

Regards.

Dr. (Mrs.) J. Arputha Vijaya Selvi

Principal

PRINCIPAL Kings College of Engineering Punalkulam- 613 303.







TÜVRheinland® CERT ISO 9001

Punalkulam, Thanjavur - 613 303 A NAAC Accredited Institution (Recognized under 2(f) &12(B)act of UGC)

We Cordinally invite you for the innagural Session

On

Emerging Trends in Electronics and Communication Engineering

NCETECE'19

Organized by

Department of Electronics & Communication Engineering

15th March, 2019

Presided by

Dr.J. Arputha Vijaya Selvi

Principal

Kings College of Engineering

Chief Guest

Dr.S.Krishna Kumar

Senior Technical Officer

Defense Research & Development Organization

Avadi, Chennai.

Mr. A. Herald & Mrs. U. Jeyamalar

Organizing secretary

Prof. N. Mangaiyarkarasi

Convener

From

Mrs. U. JEYAMALAR, APLECE, Mr. A. HERALD, APIECE, Organizing Secretaries/NCON'19, kings college of Engg., Punal Kulam.

To

The Principal, Kings college of Engg, Punalkulam:

Respected madam,

Sub! Requisition to provide link in kings website.

We have planned to organize National Conference on "Emerging Trends in Electronics & Communication Engineering" [NCETECE 19) on 15th March 2019. So we request you to grant permission to provide line in our collège website.

Thanking You.

duzita19

Yours faithfully 1 2 18/19 B. H = 21/2/10

Place: Punalkulam.

Date: 21.02.2019.

J. Parati





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

Recognized by UGC 2(f) & 12B

Punalkulam - 613 303, Pudukkottai, Tamil Nadu, India

National Conference on "Emerging Trends in Electronics and Communication Engineering" (NCETECE-2019) 15th March, 2019

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Dr. R. Rajendran Secretary Mr. T.R.S. Muthukumaar Chief Executive Officer

Patron

Dr. J. Arputha Vijaya Selvi

Prinicipal

Co-Patron

Dr. S. Sivakumar

Vice Principal

Organizing Chair

Prof. N. Mangaiyarkarasi HOD (i/c), ECE

Organizing Secretaries

Mr.A.Herald, AP/ECE Mrs.U.Jeyamalar, AP/ECE The Principal/Dean/HOD

Dear Sir/Madam,

We would like to bring to your kind notice that we are organizing National Conference on "Emerging Trends in Electronics and Communication Engineering" (NCETECE-2019) on 15th March, 2019, technically sponsored by IEEE Robotics and Automation Society of IEEE Madras Section. The conference aims at providing a forum for presenting and discussing about the new design, ideas and alternative technologies in the field of Electronics and Communication Engineering. The conference will feature keynote and invited talks by renowned academicians, researchers and scientists of national repute. This conference also provides opportunities for the delegates to exchange new ideas and research findings and to establish research associations for future innovations.

Prospective authors are encouraged to submit their paper (as per conference template available (www.ieee.org/documents/MSW_A4format .doc). Accepted papers should be registered and presented at the conference by one of the authors. All papers accepted for presentation will be published in Conference Proceedings and extended version in journals based on authors' consent.

Paper Submission Date	25.02.2019
Notification of Acceptance Date	28.02.2019
Final Paper Submission Date	05.03.2019
Last Date for registration	05.03.2019
Conference Date	15.03.2019

Regards,

Prof. N. Mangaiyarkarasi,

Conference Chair - NCETECE-2019,

Head of the Department (i/c),

Kings College of Engineering,

Punalkulam, Pudukkottai - 613 303,

Tamil Nadu, India.







DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING NATIONAL CONFERENCE ON EMERGING TRENDS IN ELECTRONICS AND COMMUNICATION ENGINEERING (NCETECE'19)

15th March 2019

Department Committee Members List

S.No	Committee Name	Faculty Incharge	Responsibility
1.	Budget	Mrs.N.Mangayarkarasi Mr.A.Herald & Was.U.Jeyamalar	Budget preparation
2.	Brochure , Banner & Invitation	Mr.P.Rajapirian Mr.W.Newton David Raj	 Designing brochure, Banner Sending brochure to various colleges Fixing banner. Preparing invitation & distributing to all
	Identify of property	a dogues >	departments, chief guest and judges
3.	Identification Of Chief Guest &Session Guest(Resources Persons)	Mrs.N.Mangayarkarasi (HOD/ECE) Mr.A.Herald (Mrs.U.Jeyamalar (Mrs.U.Jeyamal	 Identification of chief guest Identification of key note speakers -2 Identification of judges(internal and external)
4.	Paper Collection, Proceeding & CD	Mr.A.Herald Mrs.U.Jeyamalar Mr.Niranjan (NT)	 Creation of new mail id Check mail regularly/daily Receiving the paper daily Summary of the paper daily Splitting paper area wise Hand over the paper(area wise to scrutinizing committee)
5.	Hall Arrangements & Audio & Video/Photo Arrangement and Publicity	Mr. R. Sathyaraj Mr.R.Thandayuthapani Mr.S.Suresh (NT)	 Convey the selected paper to participant Reserving the seminar hall Arrangement of generator, chairs, water, screen, stop clock, bell, lcd projector and OHP,PC
	rublicity		 Arrangements of halls for poster presentations. Arrangement of audio system Arrangement of video/photo Selected photo displaying notice board the next day Contact PRO for publicity Arrangement of caller mike plus 2
	Registration & Feedback	Mrs.D.Vennila	 cordless mike Preparation of registration form, id card, kit(bags, pen, note pad), Feedback Issuing snacks/tea token for
7.	Paper Scrutinizing	Mrs. T. Shanthi Mrs. R. Ponni Mr. T. Jeyaseelan	 participants. Select good paper area wise Submit the paper rank wise to paper collection committee in every Friday

S.No	Committee Name	Faculty Incharge	Responsibility
8.	Prizes & Certificate	Mrs. N.Mangaiyarkarasi Mr.K.Sudarsanan Mg. 3. Sivakum a	Memento for chief guest External judges-memento
9.	Hospitality For Chief Guest	Mr. T.Pasupathi	 Best Paper Award Receiving chief guest Arrangement of guest house Arrangement of the vehicle Arrangement of the food/snacks
10.	Hospitality (Participant) & Transport	Mr. S. Ramarajan	 Hostel room & food arrangement(male & female) Arrangements of college bus for the participants
11.	Decoration/Stage Arrangement & Reception	Mrs. P. Thirumagal	 Stage decoration, Chair arrangement on stages Water bottle, name plate, file, agenda, podium with mike Decorating kuthuvilakku
12.	Refreshment	Mr. S. Ramarajan Mr.A.Parivallal(NT)	 Rangoli, reception item Arrangement of snacks(fn and an) for chief guest, staffs, judges, participants and students Preparation of snacks tokens
13.	Stage Management	Mr.R.Thandayuthapani	 Anchor, preparation of agenda Session management
14.	Session In charge	Mrs. D. Vennila Mr. T.Pasupathi	 Introduction of key notes speakers Collection of paper for the particular session
15.	Sponsorship	Mr. R. Balakrishnan Mr. A. Herald Mr. S. Ramarajan	 Giving the paper to the session judges Letters to funding agencies for sponsorship Letters to other company for sponsorship
16.	Food	Mr.R.Balakrishnan Mr. W. Newton David Rai	 Arrangements of lunch & dinner for guest, participant. Preparation of Lunch tokens
17.	Report preparation	Mr.A.Herald & Mrs.U.Jeyamalar	Preparation of Lunch tokens Preparation of report on the NCIEN'18

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National Conference'2019

Date: 15.03.2019

Venue: Chera Hall

Agenda

10.00 a.m. – 10.05 a.m.	Prayer song		
10.06 a.m. – 10.10 a.m.	Welcome Address	-	Dr. J. Arputha Vijaya Selvi
10.11 a.m. – 10.15 a.m.	Lighting the Lamp	-	Principal, KCE. Dignitaries
10.16 a.m. – 10.25 a.m.	Honoring the Chief Guest	-	Dignitaries
10.26 a.m. – 10.30 a.m.	Presidential Address	-	Dr. R. Rajendran
10.31 a.m. – 10.35 a.m.	Release of Proceedings	-	Secretary, KCE. Dignitaries
10.36 a.m. – 10.40 a.m.	Introduction to Chief Guest	_	Mrs.U. Jeyamalar Asst.Prof/ECE, KCE.
10.41 a.m. – 10.55 a.m.	Inaugural Address	-	Dr. S. Krishnakumar Senior Technical Officer, DRDO.
10.56 a.m. – 10.59 a.m.	Introduction to Chief Guest	-	Dr.D.Sivakumar Asso. Prof/CSE, KCE.
11.00 a.m. – 11.10 a.m.	Special Address	-	Prof. Jennifer Bliss STEM Consultant, University of Iowa, (USA).
11.11 a.m. – 11.15 a.m.	Introduction to Chief Guest	-	Mr.J.Arokiaraj Asso. Prof/EEE, KCE.
11.16 a.m. – 11.25 a.m.	Special Address	_	Dr.S.Albert Alexander, Asso. Prof/EEE, Kongu
			Engineering College, Perundurai.
11.26a.m. – 11.35 a.m.	Tea Break		
11.36 a.m. – 1.00 p.m.	Session –I		2 ***
01.00 p.m. – 02.00 p.m.	Lunch Break		7
02.00 p.m. -03.30 p.m.	Session – II		
03.31 p.m. – 03.58 p.m.	Valedictory Function		
03.59 p.m 04.00 p.m.	National Anthem		





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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ACADEMIC YEAR 2018-2019 EVEN SEMESTER

REPORT

National Conference

on

Emerging Trends in Electronics and

Communication Engineering

(NCETECE'2019)

DATE: 15.03.2019

VENUE: CHERA HALL, AV HALL, DSP LAB

In the





DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING ACADEMIC YEAR 2018-2019 (EVEN SEMESTER) REPORT

National Conference on Emerging Trends in Electronics and Communication Engineering (NCETECE-19)

DATE: 15.03.2019

VENUE: CHERA HALL, AV HALL, DSP LAB

The National Conference on Emerging Trends in Electronics and Communication Engineering (NCETECE'19) aims to provide a forum for presenting and discussing new design, issues and novel methods and alternative technologies in the area of Electronics and Communication Engineering. It provides a platform for students, research scholars, academicians and industry professionals for sharing and exploring new areas of research and development. NCETECE'19 will feature keynote lectures by renowned academicians to enhance their knowledge in the area of Electronics and Communication Engineering and other related fields.

NCETECE-19 was organized by department of ECE and technically sponsored by Robotics & Automation Society of IEEE Madras Section.

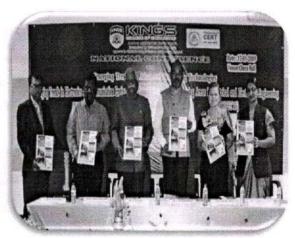
72 papers were received, out of which 58 quality papers were accepted. Enthusiastic response was received all around 50 full manuscripts were uploaded on Easy Chair. 46 papers were accepted after a rigorous review, making it very selective. 46 accepted papers were distributed for 2 Oral Sessions.



Dignitaries on the Dias

Hard copy of the conference proceedings was released by Dr J. Arputha Vijaya Selvi, Principal, Kings College of Engineering received by Dr. S. Krishnakumar, Senior Technical Officer, DRDO, Avadi, Chennai.





Release of Hardcopy of the proceedings

Mrs.U. Jeyamalar, Asst.Prof/ECE, introduced the chief guest Dr. S. Krishnakumar, Senior Technical Officer, DRDO, Avadi, Chennai with warm greetings. Dr. S. Krishnakumar, delivered the inaugural address. He enlightened the audience with his mind blowing talks on the Emerging trends in Communication Engineering.



Mrs.U. Jeyamalar, Asst.Prof/ECE introducing the Chief Guest Dr. S. Krishnakumar



Dr. S. Krishnakumar, Senior Technical Officer, DRDO, Avadi, Chennai delivering Inaugural Address

Dr.S.Sivakumar, Vice Principal, KCE offered felicitations and explained about the newer technologies for the next decade.

After the tea break the technical session had been started, for this conference more than 70 papers from various colleges had received and about 46 papers were presented in the conference.

Papers were presented in 2 tracks; track 1 was chaired by Dr. S. Krishnakumar, Senior Technical Officer, DRDO, Avadi, Chennai and Mr.W.Newton David Raj, AP/ECE, track 2 was chaired by Dr.T.Shanthi, Associate Professor/ECE and Mrs.R.Ponni, AP/ECE.



Refreshment with Chief Guest



Session Chair & Co-Chair during the technical session



The Jury Panel evaluating the papers at the Conference



Delegates presenting their research work in the technical session

This conference was highly productive and provided participants with opportunities to make new contacts and refresh the existing network links as well as to discover and explore new ideas in the area of Electronics and Communication Engineering.

Valedictory Function:

The paper presentation certificates to the participants were awarded. Mr. A. Herald delivered the Conference Summary and Vote of thanks, to participants from various institutions and our institution for their keen interest in participating in this national conference, acknowledging the tireless efforts of the members of the working committee, and the non-teaching faculty for smooth functioning of the event.



Mr.A.Herald, AP/ECE delivering Conference summary & Vote of thanks



 $\label{lem:mrs.n.mangaiyarkarasi, HOD/ECE distributing certificates to the participants$









Distributing certificates to the participants

Finally the conference was successfully ended with the National Anthem.



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING NATIONAL CONFERENCE ON EMERGING TRENDS IN ELECTRONICS AND COMMUNICATION ENGINEERING (NCETECE'19)

Date: 15.03.2019

Venue: AV Hall

INCOME

REGISTRATION AMOUNT

: 25,350

S.NO.	PENDITURE PARTICULARS	AMOUNT (RS.)	S.NO.	PARTICULARS	AMOUNT (RS.)
1.	BROCHURE	1700.00		CHIEF GUEST	()
2.	FILE, PAD, PEN	1740.00	1.	FLIGHT TICKET	4150.00
3.	POSTAL & COVER (1677+100)	1727.00	2.	TRAIN TICKET	875.00
4.	CERTIFICATE	1280.00	3.	CAR-PETROL	100.00
5.	PROCEEDING	814.00	4.	CALL TAXI	500.00
6.	STATIONARY	50.00	5.	TOLL	60.00
7.	CD	110.00	6.	CHIEF GUEST SNACKS & SWEETS	357.00
8.	SHAWL				
9.	FOOD, TEA	8350.00		TOTAL	6042.00
10.	WATER BOTTLE, SNACKS	1040.00			
11.	SWEETS	910.00			
12.	MISCELLANEOUS	685.00	1.	JOURNAL (4 X 1000)	4000.00
	TOTAL	19,036.00		(***2000)	1000100
	TOTAL EXPENDITURE : (19	036+6042+	4000)	29,078.00	
	BALANCE:	(25,350 - 2	9078)	- 3728 (Shortage)	

Organizing Secretary

Organizing Chair







DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING NATIONAL CONFERENCE ON EMERGING TRENDS IN ELECTRONICS AND COMMUNICATION ENGINEERING (NCETECE'19)

Date: 15.03.2019

Venue: AV Hall

MISCELLANEOUS

S.NO.	PARTICULARS	AMOUNT (RS.)
1.	PRINTING	75.00
2.	RIPPEN	15.00
3.	CHOCOLATE	20.00
4.	WATER BOTTLE	70.00
5.	STAGE DECORATION	150.00
6.	WATER BOOTLE, COFFEE	45.00
7.	SOAP, TOOTH PASTE	22.00
8.	BREAK FAST (15.03.19)	113.00
9.	BREAK FAST (16.03.19)	45.00
10.	BANANA	50.00
11.	BANANA LEAF	35.00
12.	COFFEE, WATER BOTTLE	45.00
	TOTAL	685.00

Organizing Secretary

HOD / ECE



15.03.2019



Organized by Dept. of ECE KCE

Proceedings of the National Conference on Emerging Trends in Electronics & Communication Engineering (NCETECE'19)

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National Conference on Emerging Trends in Electronics and Communication Engineering (NCETECE'19)

15th March 2019 Proceedings

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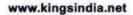
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5.	Abstracts	1-29





Dr.R.Rajendran Ph.D., Secretary

15.03.2019



MESSAGE

I am really happy to know that the department of Electronics and Communication Engineering is organizing the National Conference on Emerging Trends in Electronics and Communication Engineering (NCETECE'19) on 15.03.2019.

I hope that this conference would surely induce modern ideas among the participants paving way for new inventions in the Electronics and communication Engineering sector.

With Regards



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



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Mr.T.R.S.Muthu Kumaar M.B.A., Chief Executive Officer.

15.03.2019



MESSAGE

Warm and Happy greeting to all. I am immensely happy that ECE department of our college is organizing a National Conference on Emerging Trends in Electronics and Communication Engineering (NCETECE'19)" on 15.03.2019 and is going present a collection of various technical papers in the proceedings.

I hope that this conference would positively encourage innovative ideas among the participants and new technologies in the Electronics and Communication Engineering sector.

With Regards

J. g. 2 2mm



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

Ref: KCE / PRL /NCON-Message/18-19

13.03.2019

Message

The era of electronics started with the discovery of the transistor and semiconductor technology. Seventy years later, we are at most surrounded by many electronic gadgets in our daily lives. The mobile phone, internet, satellite communication and every new development in the field of Electronics and



Communication Engineering has transformed our daily live. Having a further look at the above aspect, there is huge demand for creating innovation in electronic industry.

On focusing the above demand our department of Electronics and Communication Engineering is organizing a National Conference on Emerging Trends in Electronics and Communication Engineering (NCETECE'19) which will be held on 15th March 2019.

In NCETECE'19, authors will present their latest research results, ideas, developments, and applications in all areas of Electronics, Communication, VLSI circuits, system level design and Systems-on-Chip etc.,

I am sure this conference will be highly productive and will provide participants with opportunities to make new contacts and refresh the existing network links as well as to discover and explore new ideas in the area of Electronics and Communication Engineering.

I wish the organizers a great success.

Have a nice time at KINGS.

Regards,

J. Muke 13/3/19



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Dr. S Krishnakumar DRDO, Chennai

Greetings.

I am extremely happy to know that, Kings College of Engineering, Punalkulam, Thanjavur, Tamilnadu is organizing National Conference on Emerging Trends in Electronics and Communication Engineering (NCETECE-19) on 15th Mar 2019.



It is heartening to know that, the main focus of the One day National conference is creating awareness among Students & Researchers about the current Innovations in Electrical, Computing, Communication and Information Technology. I hope the conference will collect the latest research within the field of engineering, and will serve as a vital reference compendium for practitioners and academics. From a wide variety of fields, the authors of this collection are the respective experts in their areas of concentration, giving the latest case studies, methodologies, frameworks, architectures, best practices, and research as it relates ECE, EEE, CS, IT etc.,.

I strongly believe that this National Conference will provide a platform to all the young engineers, Research scholars across the Nation to come closer to gain the rich experience from reputed Experts and Industrialists. It will give an excellent opportunity to the participants to discuss the most relevant professional issues and exchange the latest experience and ideas on ECE, EEE, CS, IT, Network Engineering and relevant technology.

I send my warm greetings to the Management, Department ECE of Kings College of Engineering, Punalkulam, Thanjavur, Tamilnadu and all those associated with this conference.

With Regards

Dr. S Krishnakumar

National Record holder for Highest Qualification (3Phd, 8 PGs total 32 degrees)

DRDO, Chennai





Dr.S.Sivakumar, M.Tech.,Ph.D., Vice Principal

15.03.2019



MESSAGE

It is indeed pleasure to note that, our Electronics & Communication Engineering department is organizing the National Conference on Emerging Trends in Electronics and Communication Engineering (NCETECE'19) on 15.03.2019.

It is appreciated that, this conference has attracted various researchers and PG scholars and throws lights on various research issues pertaining to the Electronics & Communication domain. This event being a regular feature of the department, has enthused the students and research scholars by providing noteworthy inputs for their research work. I congratulate the efforts made by the faculty members of Electronics & Communication Engineering department and the Head, for their efforts and wish them a successful event.

With Regards,





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Mrs.N.Mangaiyarkarasi Head of the Department



15.03.2019



MESSAGE

"The strength and success that you seek are within you" are the words of Swami Vivekananda. The present generation is no exception. They will have all the potential, strength and foresight in them. They only need the means to bring out their innate talents. They are like precious diamonds in their original form. The diamond sparkles on polishing. Similarly the talents of the students are revealed when opportunities are offered.

Books help to widen one's knowledge. But, it is experience that can really teach us about life. To gain such experience, the students need to participate in various events and activities held in and around the college. The competitive spirit that lies in our students helps them in their all-round development.

NCETECE'19 is one such event which paves the way for the students to express their creativity and bring out their genius. NCETECE'19 also has all these aspects and will surely come out in perfection. I am sure NCETECE'19 will be beneficial and fruitful to all the participants.

Have a nice time at KINGS.

"Education is the most powerful weapon which you can use to change the world", Nelson Mandela.





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INSTITUTION PROFILE

Kings College of Engineering (KCE) is an institution which was formed with the single aim of providing quality education to the poor and under-privileged students of this region. KCE has been started during 2001 and run by Raj Educational Trust (RET). Situated on the Thanjavur - Pudukkottai Highway, The KCE campus spreads over 50 acres in a beautiful serene atmosphere ideally suited for technical education. The infrastructure and facilities available in our campus are amongst very best which has made it as one of the most sought after college in this region.

Kings College of Engineering offers Five UG programs

- B.E- Civil Engineering
- B.E- Computer Science and Engineering
- B.E- Electrical and Electronics Engineering
- B.E-Electronics and Communication Engineering
- B.E- Mechanical Engineering

We also offer four PG programs

- M.E- Computer Science and Engineering
- M.E- Power Electronics and Drives
- M.E- Thermal Engineering
- M.E- VLSI Design

Kings College of Engineering is approved by All India Council of Technical Education, New Delhi (AICTE) and is affiliated to the Anna University, Chennai.

We have also acquired ISO-9001-2008 certification from TUV Rhineland- Germany. Laboratories with cutting edge facilities which provide optimum exposure to students are one among the special features of KCE. The institution provides computing facility with more than 750 systems. Internet facility of 64 mbps and Wi-Fi facility is

available throughout the campus so that students could know the recent advancement in technology in a mouse click. Central library which houses 26,397 volumes of books is one of the biggest libraries in the surrounding. Online journals are also available and back volumes are available in both hard and soft copy. DELNET facility is also available for resource sharing purpose. The teaching learning process of the institution ensures that proper technical education is provided to the students to make them as good engineers. This is made possible by experienced and well qualified staff members. To be more concise all the faculty members possess Masters Degree and remarkable numbers of staff have either completed or pursuing their doctoral degree.

A separate training and placement section enhances the employability skills of students. Training in soft skills, aptitude and technical knowledge are provided through this department. The R&D section of the college has created its own legend. Electrical and Electronics Engineering, Electronics and Communication Engineering and Mechanical departments are recognized as research centers by Anna University, Chennai. We have received funds from government bodies like DRDO, MCIT and AICTE to carryout projects.

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING Intercollegiate project Expo-2019 <u>Project Expo – REPORT</u>

The Department of Electronics and Communication Engineering conducted a National Level Technical Expo on 07/03/2019. This technical Project Expo- 2K19 aims at encouraging the participants to explore their technical skills and enhance their conceptual Knowledge. Project Expo is a platform where students can share their ideas, knowledge and can learn new things.



Hall opening ceremony by Dr.R.Rajendran, Secretary, KCE at Digital lab



Honoring the dignitaries at Inauguration

The event started with the formal inaugural function at 10.30 am Digital lab with the presence of Secretary Dr.R.Rajendran KCE, Principal Dr.Arputha Vijaya Selvi, KCE, Mrs. N.Mangaiyarkarasi ,ECE/Head of the Department, Chief Guest

Mr.R.Chandrasekaran(Alumni) ,AP/ECE , PMU, vallam and Mr.V.Vijayakarthick (Alumni) Technical consultant, TCS, Bangalore. presided over the function. The welcome speech given by Ms.T.Swetha, final year student of ECE.



Enthusiastic visit by Dr.R.Rajendran, Secretary, KCE, Dr.Arputha vijaya selvi, Principal,KCE

Students from various colleges of Tamilnadu had participated and exhibited their project in this Technical project Expo. Totally 120 (40 batches) students have participated in this event. Juries have evaluated all projects and selected prize winners.



At Valedictory function, winners were honored by certificates with Cash Prizes. Certificates were provided for all the participants. The function was finally ended by thanking management, Secretary, Principal, vice Principal, HOD, Faculties, Non teaching staff members and all student coordinators who worked for this event to make this event a grand success.

From

T. Pasupathi J. Niranjan Samuel R&D Section KCE

To The Principal KCE

Respected Madam,

Sub: Permission - Organizing workshop on Biomedical Interventions- reg.,

A workshop on "Biomedical Interventions" is organized on 27th & 28th February, 2019 by Dept of ECE and R&D Section.

In this regard, we request you to kindly grant us permission towards:

- a) Utilization of Pallava Hall.
- b) LCD projectors & PA system at Pallava Hall.
- c) Utilization of College vehicle for resource persons, if required.
- d) Accommodation for participants at Hostel.
- e) Genset during power interruption.
- f) Utilization of Lamp.
- g) Providing lunch and refreshments for the participants at our college canteen at subsidized rate.

Thank you,

Yours faithfully,

T. Pasupathi

J. Niranjan Samuel

Registration Form

Workshop on Biomedical Interventions

1. Name (in block letters) :
2. Designation:
3. Institution / Organization:
4. Postal Address:
5. E-mail:
6. Phone No. / Mobile:
7. D.D No
Bank/Branch:

Signature of the applicant

Dept. of Electronies & Communication Engg., Kings College of Engg., Punalkulam- 613303. Phone: 04362 - 282474

Organizing Committee

Chief Patrons: Dr. R. Rajendran Secretary

Mr.T.R.S.Muthukumaar, Chief Executive Officer

Dr. J. Arputha Vijaya Selvi Principal

Co-Patron: Dr.S.Siyakumar Vice Principal

Convenor:

Dr. D. Kumar Professor/ECE

Co-ordinators:

Mr. T. Pasupathi AP/FCE

Mr. J. Niranjan Samuel JRF/FCF-R&D

Registration fees:

Registration fee has to be paid in the form of demand draft drawn in favour of Kings College of Engineering - IEEE Student Branch payable at Thanjavur. Registration fee includes course material lunch and refreshment.

UG/ PG Students : Rs. 600/-: Rs. 800/-Faculty

Last Date for Registration :18.02.2019

Confirmation of Acceptance:22.02.2019 For further information contact: Mr. T. Pasupathi - 98941 04645 Mr. J. Nirarian Samuel - 99947 18168



National Biomedical Interventions

27th & 28th February, 2019





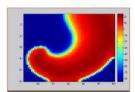
Jointly organised by Department of Electronics & Communication Engg., R&D Section

Kings College of Engineering, Punalkulam, Thanjavur - 613303.

sout our institution; ings College of Engineering (KCE), since its inception in e year 2001, provides quality education to the needy pirants including under-privileged students of this gion. KCE is approved by All India Council for chinical Education, New Delhi, affiliated to Anna niversity, Chennai and is a NAAC accredited institution. The institute offers five UG and four PG programmes situated on the Thanjavur – Pudukkottai Highway, the KCE campus spreads over 50 acres in a beautiful serene atmosphere, ideally suited for technical education with architecturally designed infrastructural facilities.

About R & D Section:

The Department of Electronics & Communication, Electrical & Electronics Engineering and Mechanical Engineering are recognized as research centres for collaborative research by Anna University, Chennai. A significant number of projects funded by various government and non government funding sectors namely DRDO, MCIT, AlCTE, New Delhi, TNSCST, Chennai, Analog Devices, USA & Texas Instruments, USA are successfully carried out.



About the workshop:

The workshop will address the clinical management of Coronary Artery Diseases with newer tools, various ways and means by which information and communication technology applications in health care sector focusing on selective diagnosis, emergency & longterm clinical care to people and the regulatory requirements of medical devices. Machine Intelligence (MI) aims at mining relevant information directly from the derivative physiological data, leads to better performance in comparison to human that is suffered by status of mind and mental variability. Evolutions of new machine learning algorithms are helping the even disrupted pattern of raw physiological data in terms of better classification. MI has been playing many different roles in scientific research and the literature has shown that Artificial Intelligence (AI) is promising in solving complex problems in many applications, particularly in areas with huge amounts of data but very little theory. Thus, it can be supportive to develop new decision support system including the devices. Also this workshop will explore the possibility of reducing the cost & complexity involved in healthcare practices thereby benefiting healthcare professionals and ultimately aims to provide quality healthcare to people at a







Prof/Dept. of Electronics & Commun. Engg. Adithya Institute of Technology. Combatore

Coimbatore
Highly motivated Professor, Positive apsach, consistently strive to create a challenging and
gaging learning environment in which the students
come life long scholars and learners, interested in
intinuing research in Bio medical engineering combined cial intelligence





sultant & Interventional Cardiologist

Chennai Chennai Madras Medical DM in Cardiology from Madras Medical lelge and Research Institute and over 17 years of a leller proficient experience in interventional cardiology, stdoctoral Fellowship in National Board (FNB) from Corrs Heart Institute, Delh. He is also a Fellow of FESCA (USA). He has performed more in 15000 cardioc carbiterisation procedures till date.



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

Ref: KCE / PRL /invite/18-19

13.02.2019

To

Dr. K. Damodaran,Senior Consultant Interventional Cardiologist Apollo Hospitals,

Dear Sir,

Greetings to you from Kings College of Engineering

Kings College of Engineering (KCE) is an institution which was formed with the single aim of providing quality education to the needy, underprivileged and socially & economically weaker sections of students. KCE is accredited by NAAC, recognized by 2(f) and 12(B) act of UGC, approved by All India Council of Technical Education, New Delhi (AICTE) and is affiliated to Anna University, Chennai. The institution was established in the year 2001 on a sprawling campus of around 48 acres on the Thanjavur-Pudukkottai Highway and run by Raj Educational Trust (RET), Chennai. The institution offers five U.G and four P.G programmes and certified with ISO 9001:2008. The state of the art teaching methodologies are used to impart high quality education to the students including e-learning.

To expose our students to various industrial and technical skills, we organize seminars each semester. In this regard, we request you to make it convenient to be present and deliver lecture on "Newer Modalities in the Management of Coronary Artery Disease" in the National workshop on "Biomedical Interventions" on 27th February, 2019 (Forenoon session).

Thanking you and expecting your co-operation in this regard.

Regards,

Dr. J. Arputha Vijaya Selvi,

Principal

PRINCIPAL Kings College of Engineering Punalkulam- 613 303.





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

Ref: KCE / PRL /invite/18-19

13.02.2019

To **Dr. S. Shanthi**,

Professor & Head

Dept. of Electronics & Communication Engineering,

Adithya Institute of Technology, Coimbatore

Dear Madam,

Greetings to you from Kings College of Engineering

Kings College of Engineering (KCE) is an institution which was formed with the single aim of providing quality education to the needy, underprivileged and socially & economically weaker sections of students. KCE is accredited by NAAC, recognized by 2(f) and 12(B) act of UGC, approved by All India Council of Technical Education, New Delhi (AICTE) and is affiliated to Anna University, Chennai. The institution was established in the year 2001 on a sprawling campus of around 48 acres on the Thanjavur-Pudukkottai Highway and run by Raj Educational Trust (RET), Chennai. The institution offers five U.G and four P.G programmes and certified with ISO 9001:2008. The state of the art teaching methodologies are used to impart high quality education to the students including e-learning.

To expose our students to various industrial and technical skills, we organize seminars each semester. In this regard, we request you to make it convenient to be present and deliver lecture on "Machine Learning in Biomedical Engineering" in the National workshop on "Biomedical Interventions" on 28th February, 2019 (Afternoon session).

Thanking you and expecting your co-operation in this regard.

Regards,

Dr. J. Arputha Vijaya Selvi,

Principal

PRINCIPAL Kings College of Engineering Punalkulam- 613 303.



Brief Profile

Dr.G.Shanthi, working as Quality Assurance Manager, at Micro Therapeutics Research Labs Pvt. Ltd. Chennai.(MTR). She attained her Doctorate degree from Madras University with specialization in Molecular Genetics and began her career as scientist-Toxicology She has more than one decade of experience, well trained in GLP principles and expertise in preclinical study designing and execution (executed more than 400) both *in vivo* and *in vitro*) for various regulatory submissions.

She designed a study model to identify the Blood clotting effect of drug which is accepted in the USFDA regulatory. She established the Preclinical Research Unit Facility at MTR as per the GLP Quality System and got GLP certification from National GLP Compliance Monitory Authority (NGCMA) DST, New Delhi for the Laboratory. She participated in many National and International level workshops, symposium and published many research articles. Her strength is commitment towards the task with adherence to Quality and Ethics.







DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Workshop on "BIOMEDICAL INTERVENTIONS"

LIST OF PARTICIPANTS

S.No	Name of the Participant	Branch	College
1.	S.Rutharesh	B.Tech Bio Medical Engineering	Rajiv Gandhi College of
2.	S.Sakthidharan		Engineering and
3.	P.Sasvath		Technology
4.	K.Suresh		
5.	Thivakar.B		
6.	S.Santhiya	B.Tech Bio Technology	Periyar Maniammai
7.	Anushya.P		Institute of Science &
8.	C.Bathira		Technology, Vallam, Thanjavur
9.	J.Kokila		Titanja v ar
10.	K.Dinesh pandi		
11.	M.Nidesh		
12.	J.Pradeep		
13.	B.Tamizhini		
14.	M.Thasaleema parven		
15.	M.Vivek		
16.	ABARNA. R	ECE	Kings College of
17.	ABINAYAKARTHIKA.T		Engineering, Punalkulam
18.	AGALYA. S		Punaikulam
19.	ARCHANA.T		
20.	ARIYAVARSHINI.J		
21.	DHANAHARSHINI. S		
22.	DHANASEKARAN.S		
23.	DHIVYA DHARSHINI. R		
24.	DHURKA. K		
25.	DIVAKAR.S		
26.	ELAKIYA KOWSHIKA. A		
27.	HARINI. M		
28.	ILANKHATIR.E		
29.	INDHUJA. J		
30.	JENIFER.X		
31.	KOWSALYA. M		
32.	MEERA.K		
33.	MEGALA.M		
34.	RASIKA. M		
35.	SANTHAKUMARI. J		
36.	SANTHIYA.R		
37.	SEDHUPATHI.M		
38.	SOWMIYA.R		
39.	SUTHA.M		

40.	TAMILAZHAGI. T	ECE	Kings College of
41.	VIDHYA. K		Engineering,
42.	VINITHA. K		Punalkulam
43.	VITHYASRI. U.K		
44.	PONNI R		
45.	THANDAYUTHAPANI R		
46.	MANGAIYARKARASI N		
47.	GEETHABAI P		
48.	JEYASEELAN T		
49.	SATHYARAJ R		
50.	CHANDRASEKAR S		
51.	SRIVIDHYA N		
52.	FRANKLIN VIJAY S		
53.	PRIYADHARSHINI. G		
54.	RANJITHA.C		
55.	SOFIYA JENNIFER J		
56.	T. SHANTHI		
57.	R. PONNI		
58.	P. GEETHABAI		
59.	K. SUDARSANAN		
60.	S. RAMARAJAN		
61.	R. SATHYARAJ		
62.	T. JEYASEELAN		
63.	P.RAJAPIRIYAN		





Recognized by UGC 2(f) & 12B
Approved By AICTE, New Delhi & Affiliated to Anna University, Chennai

Department of Electronics & Communication Engineering &

R&D Section
Cordially invite you to the two days

National Workshop on Biomedical Interventions

27th & 28th February, 2019

Dr. K. Damodaran

Sr. Consultant & Interventional Cardiologist Apollo Hospitals, Chennai

has consented to deliver the Inaugural Address

Staff Members
Department of ECE
KCE

Venue: Pallava Hall Time: 10.00 a.m.







Workshop on Biomedical Interventions

Date: 27.02.2019 & 28.02.2019 Venue: Pallava Hall

10.00 a.m.	Invocation Song	
10.02 a.m. – 10.05 a.m.	Welcome Address	Prof. N. Mangaiyarkarasi HOD(i/c)/ECE, KCE
10.06 a.m. – 10.10 a.m.	Introducing Guest	Dr. D. Kumar
		Professor/ECE, KCE
10.11 a.m. – 10.15 a.m.	Honouring the Guest	Dr. J. Arputha Vijaya Selvi
		Principal, KCE
		Dr. S. Sivakumar
		Vice Principal, KCE
10.16 a.m. – 10.20 a.m.	Presidential Address	Dr. J. Arputha Vijaya Selvi
	A/A = A/A	Principal, KCE
10.21 a.m. – 10.25 a.m.	Felicitation	Dr. S. Sivakumar
		Vice Principal, KCE
10.26 a.m. – 10.45 a.m.	Inaugural Address	Dr. K. Damodaran
		Sr. Consultant & Interventional Cardiologist
		Apollo Hospitals, Chennai
10.45 a.m. – 11.00 a.m.	Tea Break	
44.04	C . T	
11.01 a.m. – 12.55 p.m.	Session – I	Dr. K. Damodaran
11.01 a.m. – 12.55 p.m.	Session – I	Dr. K. Damodaran Sr. Consultant & Interventional Cardiologist
11.01 a.m. – 12.55 p.m.	Session – I	
11.01 a.m. – 12.55 p.m. 12.55 p.m. – 01.00 p.m.	Vote of Thanks	Sr. Consultant & Interventional Cardiologist
		Sr. Consultant & Interventional Cardiologist Apollo Hospitals, Chennai
		Sr. Consultant & Interventional Cardiologist Apollo Hospitals, Chennai Mr. T. Pasupathi
12.55 p.m. – 01.00 p.m.	Vote of Thanks	Sr. Consultant & Interventional Cardiologist Apollo Hospitals, Chennai Mr. T. Pasupathi
12.55 p.m. – 01.00 p.m. 01.00 p.m. – 02.00 p.m.	Vote of Thanks Lunch Break	Sr. Consultant & Interventional Cardiologist Apollo Hospitals, Chennai Mr. T. Pasupathi AP/ECE, KCE
12.55 p.m. – 01.00 p.m. 01.00 p.m. – 02.00 p.m.	Vote of Thanks Lunch Break Honoring &	Sr. Consultant & Interventional Cardiologist Apollo Hospitals, Chennai Mr. T. Pasupathi AP/ECE, KCE Mr. R. Balakrishnan
12.55 p.m. – 01.00 p.m. 01.00 p.m. – 02.00 p.m. 02.01 p.m. – 02.05 p.m.	Vote of Thanks Lunch Break Honoring & Introducing the Guests	Sr. Consultant & Interventional Cardiologist Apollo Hospitals, Chennai Mr. T. Pasupathi AP/ECE, KCE Mr. R. Balakrishnan AP/ECE, KCE
12.55 p.m. – 01.00 p.m. 01.00 p.m. – 02.00 p.m. 02.01 p.m. – 02.05 p.m.	Vote of Thanks Lunch Break Honoring & Introducing the Guests	Sr. Consultant & Interventional Cardiologist Apollo Hospitals, Chennai Mr. T. Pasupathi AP/ECE, KCE Mr. R. Balakrishnan AP/ECE, KCE Dr. Baskaran
12.55 p.m. – 01.00 p.m. 01.00 p.m. – 02.00 p.m. 02.01 p.m. – 02.05 p.m.	Vote of Thanks Lunch Break Honoring & Introducing the Guests	Sr. Consultant & Interventional Cardiologist Apollo Hospitals, Chennai Mr. T. Pasupathi AP/ECE, KCE Mr. R. Balakrishnan AP/ECE, KCE Dr. Baskaran Biomedical Engineer
12.55 p.m. – 01.00 p.m. 01.00 p.m. – 02.00 p.m. 02.01 p.m. – 02.05 p.m. 02.06 p.m. – 03.10 p.m.	Vote of Thanks Lunch Break Honoring & Introducing the Guests Session – II	Sr. Consultant & Interventional Cardiologist Apollo Hospitals, Chennai Mr. T. Pasupathi AP/ECE, KCE Mr. R. Balakrishnan AP/ECE, KCE Dr. Baskaran Biomedical Engineer
12.55 p.m. – 01.00 p.m. 01.00 p.m. – 02.00 p.m. 02.01 p.m. – 02.05 p.m. 02.06 p.m. – 03.10 p.m. 03.16 p.m. – 03.30	Vote of Thanks Lunch Break Honoring & Introducing the Guests Session – II Tea Break	Sr. Consultant & Interventional Cardiologist Apollo Hospitals, Chennai Mr. T. Pasupathi AP/ECE, KCE Mr. R. Balakrishnan AP/ECE, KCE Dr. Baskaran Biomedical Engineer Gentech Marketing Pvt. Ltd., New Delhi
12.55 p.m. – 01.00 p.m. 01.00 p.m. – 02.00 p.m. 02.01 p.m. – 02.05 p.m. 02.06 p.m. – 03.10 p.m. 03.16 p.m. – 03.30	Vote of Thanks Lunch Break Honoring & Introducing the Guests Session – II Tea Break	Sr. Consultant & Interventional Cardiologist Apollo Hospitals, Chennai Mr. T. Pasupathi AP/ECE, KCE Mr. R. Balakrishnan AP/ECE, KCE Dr. Baskaran Biomedical Engineer Gentech Marketing Pvt. Ltd., New Delhi Dr. Kiran George
12.55 p.m. – 01.00 p.m. 01.00 p.m. – 02.00 p.m. 02.01 p.m. – 02.05 p.m. 02.06 p.m. – 03.10 p.m. 03.16 p.m. – 03.30	Vote of Thanks Lunch Break Honoring & Introducing the Guests Session – II Tea Break	Sr. Consultant & Interventional Cardiologist Apollo Hospitals, Chennai Mr. T. Pasupathi AP/ECE, KCE Mr. R. Balakrishnan AP/ECE, KCE Dr. Baskaran Biomedical Engineer Gentech Marketing Pvt. Ltd., New Delhi Dr. Kiran George Assoc. Professor /EIE
12.55 p.m. – 01.00 p.m. 01.00 p.m. – 02.00 p.m. 02.01 p.m. – 02.05 p.m. 02.06 p.m. – 03.10 p.m. 03.16 p.m. – 03.30 03.36 – 04.30	Vote of Thanks Lunch Break Honoring & Introducing the Guests Session – II Tea Break Session – II Continues	Sr. Consultant & Interventional Cardiologist Apollo Hospitals, Chennai Mr. T. Pasupathi AP/ECE, KCE Mr. R. Balakrishnan AP/ECE, KCE Dr. Baskaran Biomedical Engineer Gentech Marketing Pvt. Ltd., New Delhi Dr. Kiran George Assoc. Professor /EIE Annamalai University, Chidambaram

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

PRINCIPAL

Ref: KCE / PRL /Thanks /071/ 18-19

28.02.2019

To

Dr. S. Shanthi,

Professor & Head Dept. of Electronics & Communication Engineering, Adithya Institute of Technology, Coimbatore

Dear Madam,

On behalf of the Management, Staff and Students, I express my sincere thanks for your visit to our campus for delivering lecture in the workshop on "Biomedical Interventions" on 28-02-2019 inspite of your busy schedule. The lecture was very informative and all the participants got benefited. I sincerely thank you for the efforts you have taken to make this workshop fruitful.

Regards,

Dr. J. Arputha Vijaya Selvi

PRINCIPAL Kings College of Engineering Punalkulam- 613 303.







Recognized under 2(f) & 12(B) of UGC
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Punalkulam, Gandarvakottai Taluk, Pudukkottai Dist. - 613 303.

National Workshop on

"Biomedical Interventions"

CERTIFICATE OF PARTICIPATION

	, g	11 11.		has	participated	in
the Na	ational Workshop o	n "Biomedica	l Intervention	ns" on 27 th	& 28 th Februa	ıry
2019,	jointly organized	by IEEE Stud	lent Branch (STB16621)	and Research	8
Develo	ppment Section, King	gs College of I	Engineering, P	Punalkulam.		

Dr. D. Kumar Convener

This is to certify that Mr. / Ms.

Dr. J. Arputha Vijaya Selvi PRINCIPAL







DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Two days workshop on Biomedical Interventions

Expenditure Details of Workshop held on 02.01.19

S.No	Name of Vendor	Details	Bill No. /Date	Total
1	Makemytrip	Flight Tickets – Trichy to Chennai	52462060/ 22.02.2019	4698.00
2	IRCTC	Train tickets	20.02.2019	606.00
3	Thanjavur Art & Bronze	Memento	26.02.2019	750.00
4	Maharaja Silk House	Shawl	GIS-76315/ 27.02.2019	240.00
5	Maharaja Silk House	Shawl	GIS-76154/ 27.02.2019	679.00
6	Poompuhar	Memento	3709/ 27.02.2019	336.00
7	Bombay Sweets	Sweets	22191/ 26.02.2019	126.00
8	Bombay Sweets	Sweets	115/ 27.02.2019	184.00
	(Rupe	ees Seven Thousand Six Hundr	Total Expenditure red and Nineteen Only)	7619.00

COORDINATOR HOD PRINCIPAL

THE HINDU 12.03.2019 PAGE 5



Kings College of Engineering at Punalkulam near Thanjavur organised a two-day national workshop on 'Biomedical Interventions' recently. Dr.K.Damodaran, Senior Consultant and Interventional Cardiologist, Apollo Hospital, Chennai, inaugurated the workshop. Dr.J.Arputha Vijaya Selvi, Principal, presided. Dr.S.Baskaran, Biomedical Engineer, Gentech Marketing Pvt.Ltd, New Delhi, Dr. Kiran George, Associate Professor, Electronics and Instrumentation Engineering, Annamalai University and Dr. G.Shanthi, Scientist, Manager Preclinical, Microtherapeutics Research Labs, Chennai, spoke.







Report

National Workshop on "Biomedical Interventions"

Kings College of Engineering, Punalkulam near Thanjavur organized a two day National Workshop on **Biomedical Interventions** on 27th & 28th February, 2019. Dr. K. Damodaran, Senior Consultant & Interventional Cardiologist, Apollo Hospital, Chennai, inaugurated the workshop. Dr. J. Arputha Vijaya Selvi, Principal, presided over the function and delivered presidential address. **Dr. K. Damodaran**, in his lecture, stated coronary artery disease develops when the major blood vessels that supply the heart with blood, oxygen and nutrients (coronary arteries) become damaged or diseased. Cholesterol-containing deposits (plaque) in the arteries and inflammation are usually the cause for coronary artery disease. The damage may be caused by various factors, including: Smoking, High blood pressure, High cholesterol, Diabetes or insulin resistance and sedentary lifestyle. To improve the heart healthcare, one should quit smoking, control conditions such as high blood pressure, high cholesterol and diabetes. He also explained about surgical procedure involved in robot assisted cardiac surgery. While concluding his lecture, he said to stay physically active, consume low-fat and lesssalt diet, and consume fruits, vegetables and whole grains and advised to maintain a healthy weight and manage stress.

Dr. S. Baskaran, Biomedical Engineer, Gentech Marketing Pvt. Ltd., New Delhi started his lecture with the major instruments used in acquiring bio-signals from human beings. Also he demonstrated the real-time Electro Cardio Gram (ECG) acquisition from one of the participant with four channel data acquisition development device and necessary electrodes. His lecture includes analysis of the acquired data and report preparation for the end user. **Dr. Kiran George**, Assoc. Professor, Electronics and Instrumentation Engineering, Annamalai University, Chidambaram, delivered lecture. In his lecture he briefed about multiscale physiological model of organ system which provides an opportunity for the researcher and clinician in the field of mathematical oncology. While concluding his lecture, he suggested how these new directions could contribute in addressing the current challenges in the field of Biomedical Engineering.

Dr. G. Shanthi, Scientist, Manager Preclinical, Microtherapeutics Research Labs, Chennai, delivered a lecture on synthetic biomaterials and its applications, Biocompatibility Regulatory Testing and its biological effects. She concluded her lecture with a case study on biomaterial implantation in animals. **Dr. S. Shanthi**, Professor & Head/ECE, Adithya Institute of Technology, Coimbatore delivered a lecture. In her lecture, she briefed that MI plays various roles in scientific research. Artificial Intelligence (AI) provides promising solutions in solving complex problems in many applications, particularly in areas with huge amounts of data but very little theory. It helps to develop new decision support system including the devices.

A total of 63 participants from various institutions situated at U.T of Pondicherry, Karnataka and Andra Pradesh, Tamil Nadu participated in the programme and got benefitted.



Dignitaries on the Dias



Mrs. N. Mangairyarkarasi, HOD(i/c)/ECE welcoming the gathering



Ceremonial Lighting of the Lamp



Dr. D. Kumar, Professor/ECE introducing
Dr. K. Damodaran, Chief Guest



Dr. J. Arputha Vijaya Selvi, Principal honouring Dr. K. Damodaran, Interventional Cardiologist



Dr. J. Arputha Vijaya Selvi delivering presidential address



Dr. K. Damodaran, Interventional Cardiologist, Apollo Hospital, Chennai delievering Inaugural Address



Dr. K. Damodaran, during invited lecture session



Dr. Kiran George during invited lecture session



Dr. S. Baskar during demonstration session



Dr. G. Shanthi during invited lecture session



Students during the activity session



Participants receiving certificates from dignitaries



Dr. S. Shanthi during invited lecture session



Participant during feedback session



Mr. T. Pasupathi during workshop summary and vote of thanks

KINGS COLLEGE OF ENGINEERING, PUNALKULAM

Research and Development cell Report – One day Workshop on "Embedded Systems and Internet of Things"

Department of R&D and MHRD-Institution Innovation Cell (IIC) of our college organized a **One Day Workshop on "Embedded Systems and Internet of Things**" on 21.2 2019, where 84 students and 10 faculty from various Engineering colleges gained knowledge. The objective of the workshop is to provide Hands-on training on IoT. Participants learnt and practically embedded programs to Arduino board. Students gained much more knowledge about practical implementations of IoT under the guidance of our resource person **Mr. A.Jeevanantham, Assistant Professor/Information Technology, Kongu Engineering College,** Perundurai.

Coordinators:

- 1. Mr.T.Pasupathi, Assistant Professor/ECE
- 2. Mr. J.Niranjan Samuel, JRF/R&D

Inaugural Session:

The dignitaries on the Dais during the inaugural session were Mr.P.P.Shantharaman, DRC Head, Mr.R.Sundaramoorthi, AP/EEE, President IIC and Mr.T.Pasupathi, AP/ECE. The program was started with Thamizh Thaai Vaazthu followed by welcome address delivered by Mr.R.Sundaramoorthi, AP/EEE. Mr.T.Pasupathi, AP/ECE, has introduced about the resource person and he briefed about the objectives and scope of the workshop. Mr. A.Jeevanantham, Assistant Professor/Information Technology, Kongu Engineering College, delivered the inaugural address and explained technologies used in our day today life and the overview of IoT devices in various applications.







Practical session -1 by Resource person

Session 1- Overview of Internet of Things.

During the session, Mr. A.Jeevanantham, AP/IT, KEC, Perundurai, discussed real life use cases on IoT application and make the session really interactive by providing an opportunity to suggest a solution to real life scenario.

Session 2- Hands on training on IoT platform using Ardiuno

The second session of workshop was planned to provide hands on experience with IoT device and application. Participants were introduced to the Arduino and Rasberry Pi concept from a programming point of view and its relevance to IoT device. All the participants participated in coding for accessing IoT device through android application.



Practical session-2 by Resource person

Valedictory Function:

The participants shared their feedback about the training programme. Dignitaries, distributed the certificates to the participants. Mr. A. Herald, AP/ECE delivered the vote of thanks. Finally the program ended with National anthem.





DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING ACADEMIC YEAR 2018-19 EVEN

Report for

ONE DAY WORKSHOP ON

"Microelectronics and VLSI design using advanced simulation tools"

Prepared by
Mrs.P.Geethabai, AP/ECE
Mr. R. Thandayuthapani AP/ECE







DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

ACADEMIC YEAR 2018-19 EVEN

ONE DAY WORKSHOP ON

"Microelectronics and VLSI design using advanced simulation tools"

POST WORKSHOP REPORT

Event : Workshop

Title : Microelectronics and VLSI design using advanced simulation tools

Date : 20.02.2019

Number of Beneficiaries: Internal participants: 56

Resource Persons : Dr.T.N.Prabhakaran, Dean,

Oxford College of Engineering,

Tiruchirappalli

Venue : VLSI LAB



At Inauguration

OBJECTIVES OF ORGANIZING WORKSHOP:

- > To meet curriculum requirements.
- > To learn Hardware Descriptive Language (Verilog/VHDL).
- > To learn the fundamental principles of VLSI circuit design in digital and analog domain





Theory session Validictroy function

OUTCOME:

- > Students can able to write the Verilog/VHDL coding.
- > Students can able to do the projects and create the new applications in VLSI domain.







DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

SYMPOSIUM REPORT

The Department of Electronics and Communication Engineering conducted a National Level Technical Symposium on 20.09.2018. This technical symposium e-Blast SLV 2K18 aims at encouraging the participants to explore their technical skills and enhance their conceptual knowledge. Symposium is a platform where students can share their ideas, knowledge and can learn new things.





The event started with the formal inaugural function at 10.30 am in the presence of Head of the Department, Chief Guest Dr.R.Amirtharajan, Associate Professor/SEEE, SASTRA, Thanjavur and Special Invitee Mr.A.Athiraja (Alumni) Assistant Professor/ECE, Rethinam Technical Campus, Coimbatore presided over the function. The function started with "Thamilthai Vazthu" followed by the welcome speech given by President of e-Blast SLV2K18 Mr.J.Tamilselvan, final year student of ECE.



Mr.R.Sathyaraj, symposium Coordinator introduced the chief guest. Mrs.N.Mangaiyarkarasi, Head of our Department, delivered presidential address. Mr.M.Ajay, Vice President of e-Blast SLV2K18, final year ECE Student proposed vote of thanks.



Chief Guest Dr.R.Amirtharajan delivered a talk on "Image Processing". Special Invitee Mr.A.Athiraja addressed the students to get themselves prepared as the Industrial Needs. Students from various colleges from Tamilnadu had participated in Technical and Non Technical Events. A total of 90 students from other colleges participated, out of which 20 students participated in paper presentation, 24 students participated in Inquizitive, 23 students participated in Techno Bond, 23 students participated in Brainstroming Circuits. A total number of 120 students (internal & external) participants participated in 10 different Non-Technical Events. At the end of the Session, students from other colleges shared their experience about e-Blast SLV2K18.



Valedictory function was conducted and Cash Prizes with medals were distributed to the winners of Technical Events. Winners of Non Technical Events were appreciated with Prizes. The event was concluded by thanking management, Secretary, Principal, Vice Principal, HOD, Faculties, Non teaching staff and all student coordinators who worked for this event to make this event a grand success.

REPORT

One Day Workshop on

CCTV

Co ordinators

Mr.T.Jeyaseelan AP/ECE Mr.P.Raja Pirian AP/ECE

On

08/02/19

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING KINGS COLLEGE OF ENGINEERING PUNALKULAM

One day work shop on CCTV Camera & Surveillance System was organized by Department of Electronics and communication engineering, to motivate the students to involve them in Electronics Domain and also the students to get more ideas about CCTV and its related systems by improving them to become an entrepreneur. Mr.T.Jeyaseelan , AP/ECE , Mr.P.Raja Pirian AP/ECE was the resource person and Er.G. George Nelson ,Georges Tech Solutions was the industry expert.



Theory session by Mr.T.Jeyaseelan AP/ECE



Demo Session for Final Year ECE Students

Hands on Session for PMKVY Students





Hands on session for II ECE students

Hands on session for II ECE students

The workshop begins at 10.30 a.m on 08/02/19, Mr.P.Raja Pirian AP/ECE coordinator of the workshop, welcomes the resource person and the gathering. Mr.T.Jeyaseelan , AP/ECE give introduction about the workshop. Immediately the 1st session begins with theory session by Mr.T.Jeyaseelan, his lecture covers basics of security surveillance, functions of video surveillance, types of cameras and their functions. After the tea break Mr.P.Raja Pirian AP/ECE delivered the second session for the topics sensors, Lights, Lens and zoom, DVR and switcher, principles of network remote accessing.

After the Lunch break The 3nd session which was hands on session, the industrial expert Er.G. George Nelson and his team give a demonstration on the working principles of CCTV surveillance system. He also explains various types of cameras and its installation method with DVR. The students actively involved in the entire sessions. The program ends with valedictory function. Nearly 48 students were participated in the workshop.







REPORT

One Day Workshop on

Printed Circuit Board Design

Co ordinators

Mr.P.Raja Pirian AP/ECE
Mr.W.Newton David Raj AP/ECE

On

12/01/19

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
KINGS COLLEGE OF ENGINEERING PUNALKULAM

REPORT

One day work shop on Printed Circuit Board Design was organized by Department of Electronics and communication engineering, to motivate the students to involve them in Electronics Domain and also the students to get more ideas about the designing of printed circuit board for their project works and also for their career development. Prof.E.Venugopal, Assistant Professor, Sri Eshwar College of Engineering, Coimbatore was the resource person. (Alumni of Kings)





Presidential Address By Mrs.N.Mangaiyarkarasi

Honoring the Chief Guest By Mrs.N.Mangaiyarkarasi





Chief guest Address by Prof.E.Venugopal

Theory Session





Hands on session

Distribution of Certificates

The workshop begins at 10.10 a.m, Mr.P.Raja Pirian AP/ECE coordinator of the workshop, Welcomes the resource person and the gathering. Mrs.N.Mangaiyarkarasi, Academic coordinator delivered the inaugural address after that the chief guest was honored by Mrs.N.Mangaiyarkarasi. Finally Prof.E.Venugopal relivered the chief guest address. Immediately the 1st session begins with theory session by Prof.E.Venugopal, his lecture covers various topics in PCB design such as basics of printed circuit board, need for PCB, artwork generation, lamination & Image transfer techniques, plating, etching and also about Surface-mount technology finally he gave information on career opportunities in PCB Design.

After the Lunch break The 2nd session which was hands on session, the resource person give a demonstration on how to prepare a complete printed circuit board for simple circuits. The students actively involved in the entire sessions. The program ends with valedictory function. The chief guest delivers the certificates to the participants. Finally Mr.W.Newtondavidraj AP/ECE, coordinator of the workshop delivers the vote of thanks.

Nearly 38 students were participated in the workshop; 30 students from our college and the remaining participants from KSK Engineering college.







Research & Development Section

Report

Expert Lecture on "Research Opportunities"

Expert Lecture on "Research Opportunities" was organized on 02.02.2019 at Chera Hall under AICTE - MARGDHARSAN scheme of National Institute of Technology, Tiruchirappalli. Prof. Dr. Rominus Valsalam, Professor, APJ Abdul Kalam Technological University, Thiruvananthapuram was the resource person. Prof. Dr. J. Arputha Vijaya Selvi, Principal, gave a warm welcome to the gathering and introduced Prof. Dr. Rominus Valsalam to the gathering. Prof. Rominus Valsalam was honoured by Dr. S. Sivakumar, Vice Principal with shawl and by Dr. J. Arputha Vijaya Selvi, Principal with a momento.



Diagnitaries on the Dias



Dr. J. Arputha Vijaya Selvi honouring Prof. Rominus





Dr. J. Arputha Vijaya Selvi, welcoming the gathering



Dr. S. Sivakumar honouring Prof. Rominus



A view of the participants

Dr. Rominus Valsalam deliverd a lecture on "Research Opportunities". In his lecture, he described on the opportunities for students to carry out their project work at various government organizations and institutions. In addition, he briefed that solutions for problems that are not solvable can be found by working at industries. Also he insisted the students to carry out their projects on their own or through industrial support rather than purchasing from centers. Before, summarizing the lecture, he covered the applications of IOT and IIOT. On concluding his lecture, he insisted the students to publish their findings either in Journal or Conferences.



Prof. Rominus during the lecture



Student interacting with Prof. Rominus



Prof. N. Mangaiyarkarasi, HOD(i/c)/ECE, proposing vote of thanks

Prof. Rominus Valsalam, responded to the queries raised by the students. The HODs of all departments, senior faculty members and selected students from all engineering disciplines attended the programme. Prof. N. Mangaiyarkarasi, HOD(i/c)/ECE proposed vote of thanks.

Prepared by Principal

Report Guest Lecture on "Biomedical Image Processing"

Guest Lecture on "Biomedical Image Processing" was organized on 01.02.2019 at Conference Hall. Prof. Eric A. Hoffman, Prof. Emma Stapleton and Prof. Abilash from University of IOWA, IOWA, USA were the resource persons. Prof. Dr. J. Arputha Vijaya Selvi, Principal, gave a warm welcome to the gathering. Prof. A. Hoffman was introduced to the gathering by Dr. S. Sivakumar, Vice Principal. Prof. Eric A. Hoffman and his team was honoured by our Principal and Vice Principal.

Prof. Emma Stapleton, delivered a lecture on "Air Pollution in India". Her lecture was focussed on the effects caused by cooking without ventilation by using wood. Using case studies, she stated that in Tamil Nadu the toxic level is less compared to other states particulary in North India.



Prof. Eric during the lecture



Prof. Emma during the lecture

Prof. Eric A. Hoffman, delivered a lecture on "Evaluation of Pulmonary Effects of Cooking Indoors with Solid Biofuels and Poor Ventilation". In his lecture, he stated that smoking causes severe chronic obstructive lung diseases and other ailments. Besides, the smoke emitted by solid biofuels is equivalent to the side effects caused by smoking in cases of chronic lung diseases. While, concluding his lecture, Dr. Hoffman's briefed on the facilities available at his laboratory, a research dedicated state-of-the-art multi-spectral, multi-detector row spiral CT (MDCT) scanner and an in vivo micro CT scanner. Through a relationship with Siemen's Medical, the MDCT scanner is the state-of-the-art scanner to promote novel lung imaging. Prof. Eric A. Hoffman and his team, responded to the queries raised by the students and staff members. During the response to the lecture, Ms. Mowli, Final year /ECE said that the lecture was an eye opener in the field of Biomedical Instrumentation and students got a deep insight on the topic. The HODs of all departments, senior faculty members and students attended the programme. Dr. D. Kumar, Professor/ECE, coordinated the programme.

PRINCIPAL
Kings College of Engineering
Punalkulam-613 303.







DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING ACADEMIC YEAR 2018-2019 (ODD SEMESTER)

REPORT

One Day Workshop on "LabVIEW Graphical Development – Hands on Training"

DATE: 12.09.2018

VENUE: AV HALL

Department of Electronics and Communication Engineering and IEEE Student Branch of our college organized a One Day Workshop on "LabVIEW Graphical Development – Hands on Training" on 12th September 2018, where 1 faculty and 15 students from various Engineering colleges and 44 internal participants, totally 60 participants gained knowledge. The objective of the workshop is to provide Hands-on training on LabVIEW. The main objective of this workshop was to upgrade the skills of the students but it also provided a common platform to explore the use of Virtual Instrumentation and Design aspects using simulation with the help of NI LABVIEW. Participants learnt and practically contributed their complete effort. Students gained much more knowledge about practical implementations of LabVIEW under the guidance of our resource persons, Mrs.Ka.Suriyaprabha, Assistant Professor/Instrumentation & Control Engineering, A.V.C. College of Engineering, Mayavaram and Mr.K.Arulselvan, Assistant Professor/Instrumentation & Control Engineering, A.V.C. College of Engineering, Mayavaram.

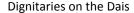
Coordinators:

- 1. Mr.T.Jeyaseelan, Assistant Professor/ECE
- 2. Mrs.U.Jeyamalar, Assistant Professor/ECE

Inaugural Session:

The dignitaries on the Dais during the inaugural session were Mrs. N. Mangaiyarkarasi, Ac. Coordinator / ECE, Mr.T.Jeyaseelan, AP/ECE. The program was started with Thamizh Thaai Vaazthu followed by welcome address delivered by Mr.T.Jeyaseelan, AP/ECE. Mrs. N. Mangaiyarkarasi, Ac. Coordinator / ECE, delivered the inaugural address, she briefed the technologies used in our day today life and the overview of LabVIEW in various applications. Mrs.U.Jeyamalar, AP/ECE, introduced the chief guests. After that the chief guests were honored by Mrs. N. Mangaiyarkarasi, Ac. Coordinator / ECE & Mr.T.Jeyaseelan, AP/ECE.







Welcome address by Mr.T.Jeyaseelan, AP/ECE



Inaugural address by Mrs.N.Mangaiyarkarasi, Ac.Co/ECE



Chief guests introduction by Mrs.U.Jeyamalar,AP/ECE



Honoring the chief guests by Mrs.N.Mangaiyarkarasi,Ac.Co/ECE



Honoring the chief guests by Mr.T.Jeyaseelan, AP/ECE

<u>Session 1 – Overview of LabVIEW.</u>

During the session, Mr.K.Arulselvan, AP/ICE, A.V.C. College of Engineering, Mayavaram, discussed brief overview of LabVIEW and its applications.



Overview of LabVIEW by Mr.K.Arulselvan, AP/ICE, A.V.C.C.E



View of Participants



Hands on session by at DSP Lab

Session 2- Hands on training on LabVIEW.

The second session of workshop was planned to provide hands on experience with LabVIEW and application. Hands on training given by Mrs.Ka.Suriyaprabha, AP/ICE, A.V.C. College of Engineering, Mayavaram and Mr.K.Arulselvan, AP/ICE, A.V.C. College of Engineering, Mayavaram. Resource persons delivered a lecture about LabVIEW introduction, installation, procedure and hands on training given to the participants, participants' doubts were cleared.

The following areas were covered with hands-on exposure to the software:

- Brief overview of LabVIEW and its applications.
- Mathematical operations
- Digital Logic using Boolean gates
- For Loops with various examples
- Conditional While Loops
- Signal generation
- Image processing
- Practical system examples using Case Structures.
- Implementation of higher end computation using Formula Nodes.
- Hierarchical designing using Sub-VI

Valedictory Function:

The students were actively involved in the entire sessions. The program ends with valedictory. The participants shared their feedback about the training programme. Mrs. R.Ponni, AP/ECE distributed the certificates to the participants. Mrs.U.Jeyamalar, AP/ECE delivered the vote of thanks.



Hands on session by Mrs.Ka.Suriyaprabha, AP/ICE, A.V.C.C.E



Feedback given by participant



Mrs. R.Ponni, AP/ECE issuing certificate to the participants

We thank the management and the Principal for their constant and continuous encouragement for providing valuable directions and support in time. Finally the program ended with National anthem.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING KINGS COLLEGE OF ENGINEERING PUNALKULAM

One day work shop on Web App Development was organized by department of Electronics and communication engineering on 25.08.2018, to motivate the students to involve them in commercial website designing and also the students to get exposure on "the placements available in website designing". Mr.S.Mathiyarasan, Software Engineer, IVTL Info view, Chennai was the resource person.



Presidential Address By Mrs.N.Mangayarkarasi HOD i/c/ECE



Welcome Address By Mr.P.Raja Pirian AP/ECE



Participants



Chief guest Address by Mr.S.Mathyrasan Software Engineer IVTL



Hands on session at VLSI Lab



Feedback session

The workshop was begins at 10.15a.m at DSP Lab, Mr.P.Raja Pirian AP/ECE welcomes the resource person and the gathering, followed by Mrs.N.Mangayarkarasi HOD i/c/ECE, honored the chief guest and also delivered the inaugural address. Mr.S.Mathiyarasan, delivered the chief guest address. During 1st session a Lecture on Introduction to Web App Development by the resource person. After the Lunch break Second session was continued by the resource person at DSP lab with hands on session. The students were actively involved in the entire sessions and got knowledge to create simple commercial website. The program ends with valedictory. Mr W.Newton Davidraj delivered the vote of thanks. 23 students from all the classes of ECE department were participated in the workshop.







ISTE-STUDENT CHAPTER (TN 217) ACADEMIC YEAR 2018-19(ODD) Paper Presentation Report

The ISTE Student Chapter, Kings College of Engineering, Organized a competition on Paper Presentation on the topics

- Artificial Intelligence
- Cyber Crime and Security
- Evolution of Computers

on 11.08.2018 between 11.00am – 12.30pm at Hall No.128 for the ISTE student members of Electronics and Communication Engineering Department. 10 students were actively participated in this competition. The following students are the prize winners.

POSITION	CLASS	NAME OF THE STUDENT
FIRST	IV ECE B	R.SHANMUGAPRIYA
		R.VINITHA
SECOND	III ECE	U.K.VITHYASRI
		K.PRIYADHARSHINI
THIRD	IV ECE B	T.SWETHA
		C.SUBASHINI





Students Actively Presenting the Paper







ISTE STUDENT CHAPTER (TN 217) ACADEMIC YEAR 2018-19(EVEN SEMESTER)

Monoacting Report

The ISTE Student Chapter, Kings College of Engineering, organized a competition on Monoacting on 07.02.19 between 3.40pm - 4.40pm for the ISTE student members of ECE Department. 32 students have actively participated in this competition. The following students are the prize winners.

POSITION	CLASS	NAME OF THE STUDENT
FIRST	III ECE	K.AKALYA
		K.MEERA
SECOND	IV ECE A	J.DHIVYADI/ARSHINI
		S.DURGA
THIRD	III ECE	M.RASIKA
		C.RANJITHA

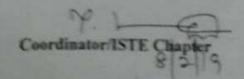
About the Event

Mono acting is a very interesting art form which involves both acting as well as intelligence. It refers to a single student playing multiple actions.





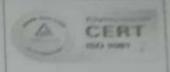
Students actively participating in Mono Acting Competition



J. PRINCIPAL







ISTE STUDENT CHAPTER (TN 217) MONO ACTING SCORING SHEET

DATE: 7.02.19

Pallara Hall

VENUE: HALL NO.

TEAM NO.	STUDENT NAME	CLASS	MARKS IN ROUND I With Time	MARKS IN ROUND 2 With Time	POSITION
1.	R-Vinitha G- Proothi	IV- ECE B	14-06	D COKAND	
2.	5-Biryadkarshini 3-Durga	IV-EIE A	(22-24)	(4.67)	I
3.	9.9 Gayatini 9. Kawibala	tu-ece A	0		
4.	t-Gayattiri t-Matalakehmi	1V-ECCA	(25.31)	8.22	1
5.	M. Rasita C. Ranjitha	Ð -€ CE	(5.20	7.66	I
6.	P. Malathi t. Jaishree	D-EREX	(10.39)	-	
7.	C. Sabashini S. Santhiye	M-ECE B.	(6.54)	0	-
8.	k. Akalya k. Meera	MELE	(14.20)	3.52	0
9.	R. Vishwanath y. Sivanandham	M-ECE	(26-17)	24-36	
10.	G. Keerthana Stri V.G. Amirtha	DECE			
11.	k. Priyadharshini U.k. Violhyashri	m - te		4-1-1	
12.	M. trithika S. Haritha	W-FLE !	(3.92)	48.24	







DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING ACADEMIC YEAR (2017-2018) ODD SEMESTER THE INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS (IETE) IETE STUDENTS' FORUM (ISF) GUEST LECTURE - ACTIVITY REPORT

24.7.17

The IETE students Forum (ISF) organized a guest lecture titled "Solar Powered Inverters" on 21.7.17 for the IETE student members. Mr.T.Jeyaseelan, AP/ECE, IETE Students' Forum (ISF) coordinator coordinated the activity. The IETE student members have attended the Guest Lecture. Er. S. Arunkumar, Manager, Engineering & Solution support, YASKAWA INDIA PVT.LTD, Bangalore, was the resource person.



Mr.T.Jeyaseelan , Asst.Professor,ISF-coordinator, honoring Er. S. Arunkumar, Manager, Engineering & Solution support, YASKAWA INDIA Pvt. Ltd. Bangalore



Er.S. Arunkumar, Manager, Engineering & Solution support, YASKAWA INDIA PVT.LTD delivering guest lecture.



View of the participants (IETE student members)

Mr.S. Arunkumar, in his lecture shared about his firm YASKAWA and their major products in the field of solar power systems. He explained the concept of solar power harvesting, working principle of Photovoltaic cell, specifications & requirements of PV pannel and functional blocks of solar powered inverter. He also highlited the concepts and techniques of maximum power tracking, positioning and orientation of PV pannels, comparison of output power obtained in winter and summer and issues of solar power harvesting. Through the guest lecture, the students gained technical knowledge on solar powered inverter and its applications in the field of Renewable energy. The session was informative and the students were interactive and inspired.





REPORT

One Day
(09-03-2018)
Workshop on
CAD for VLSI

CO ordinators

Mr.W.Newton David Raj AP/ECE
Mr.P.Raja Pirian AP/ECE

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING KINGS COLLEGE OF ENGINEERING PUNALKULAM

One day work shop on CAD for VLSI organized by department of Electronics and communication engineering held on 09-03-2018, to motivate the students to involve them in VLSI Domain and also the students got more ideas about tools used in CAD. Dr.M.Joseph, Principal. St.Joseph College of Engineering and Technology, Thanjavur & Mr.T.Pasupathi AP/ECE, Kings college of Engineering were the resource persons.



The workshop was begins at 10.10a.m, Mr.P.Raja Pirian AP/ECE welcomes the resource person and the gathering, followed by Mr.W.Newton David Raj AP/ECE introduced the chief guest, Mrs.T.Shanthi, Project officer delivered the inaugural address after that the chief guest was honored by Mrs.T.Shanthi. Finally Dr.M.Joseph delivered the chief guest address. Immediately the 1st session begins with a Lecture on Introduction to CAD for VLSI by Dr.M.Joseph. After the Lunch break The 2nd session was continued by Mr.T.Pasupathi AP/ECE at VLSI lab with CAD tools. The students were actively involved in the entire sessions. The program ends with valedictory.

Nearly 41 students were participated in the workshop; 28 students from our college and the remaining participants from KSK Engineering college and Vandaiyar engineering college.

KINGS COLLEGE OF ENGINEERING, PUNALKULAM

<u>Department of Electronics and Communication Engineering</u> <u>Report - One day Workshop on "Internet of Things using Arduino and Raspberry Pi"</u>

Department of Electronics and Communication Engineering and IEEE Student Branch of our college organized a **One Day Workshop on "Internet of Things using Arduino and Raspberry Pi"** on 20th March, 2018, where 84 students and 4 faculty from various Engineering colleges gained knowledge. The objective of the workshop is to provide Hands-on training on IoT. Participants learnt and practically embedded programs to Arduino and Rasberry Pi board. Students gained much more knowledge about practical implementations of IoT under the guidance of our resource person **Mr. A.Jeevanantham, Assistant Professor/Information Technology, Kongu Engineering College,** Perundurai.

Coordinators:

- 1. Mr.T.Pasupathi, Assistant Professor/ECE
- 2. Mr.A.Herald, Assistant Professor/ECE

Inaugural Session:

The dignitaries on the Dais during the inaugural session were Dr.T.Shanthi, Project Officer, Mrs. N. Mangaiyarkarasi, Ac. Coordinator / ECE and Mr.T.Pasupathi, AP/ECE. The program was started with Thamizh Thaai Vaazthu followed by welcome address delivered by Mr.T.Pasupathi, AP/ECE. Dr. T. Shanthi, Project officer, delivered the presidential address, she briefed the technologies used in our day today life and the overview of IoT devices in various applications. Mr. A.Jeevanantham, Assistant Professor/Information Technology, Kongu Engineering College, delivered the inaugural address. Mrs.N.Managaiyarkarasi, Ac.Coord, delivered felicitation address. She briefed the objectives and scope of the workshop.



Welcome Address by Mrs. T.Pasupathi



Presidential address by Dr. T.Shanthi

Session 1- Overview of Internet of Things.

During the session, Mr. A.Jeevanantham, AP/IT, KEC, Perundurai, discussed real life use cases on IoT application and make the session really interactive by providing an opportunity to suggest a solution to real life scenario.





Inaugural address by Mrs.N.Mangaiyarkarasi

View of Participants

Session 2- Hands on training on IoT platform using Ardiuno and Rasberry Pi.

The second session of workshop was planned to provide hands on experience with IoT device and application. Participants were introduced to the Arduino and Rasberry Pi concept from a programming point of view and its relevance to IoT device. All the participants participated in coding for accessing IoT device through android application.



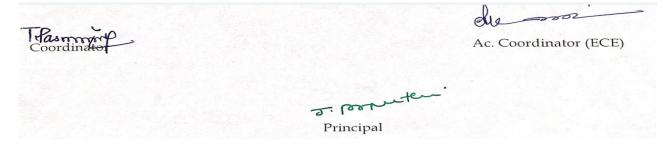
Mr. A. Herald delivering vote of thanks



Dignitaries issuing certificate to the participants

Valedictory Function:

The participants shared their feedback about the training programme. Dignitaries, distributed the certificates to the participants. Mr. A. Herald, AP/ECE delivered the vote of thanks. Finally the program ended with National anthem.



Department of Electronics and Communication Engineering

Report - One Day Training on Electronic System Design for Polytechnic Students

Department of Electronics and Communication Engineering and **IEEE Student Branch** of our college organized a **One Day Training on Electronic System Design for Polytechnic Students** on 28th February, 2018. The objective of this training program is to help the students to carry out their projects and develop their own applications using embedded systems.

Resource persons:

- Mr. T. Pasupathi, AP/ECE, KCE
- Mr. T. Jeyaseelan, AP/ECE, KCE
- Mr.P.Rajasekar, Project Engineer, V3 Technologies, Thanjavur.

Coordinators:

- 1. Mr.P.Raja Pirian, Assistant Professor/ECE
- 2. Mr.T.Pasupathi, Assistant Professor/ECE
- 3. Mr.A.Herald, Assistant Professor/ECE

Inaugural Session:

The dignitaries on the Dais during the inaugural session were Dr.J.Arputha Vijaya Selvi, Principal, KCE, Mrs. N. Mangaiyarkarasi, Ac. Coordinator / ECE and the Program Coordinator. The program was started with Thamizh Thaai Vaazthu followed by welcome address delivered by Mrs.N.Mangaiyarkarasi, AP/ECE. Dr. J. Arputha Vijaya Selvi, Principal delivered the inaugural address. In her inaugural address, she advised the students to do their projects on their own. Also she insisted the students to continue their career by proceeding with undergraduate, post graduate and to end by completing their doctor of philosophy. While concluding, the major devices and technology used in our day today life employ embedded systems and ask the participants to utilize their knowledge to create such applications.



Welcome Address by Mrs. N. Mangaiyarkarasi

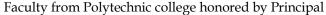


Inaugural Address by Dr. J. Arputha Vijaya Selvi

Session 1- Overview of Electronic System Design using Case Study by Mr.T.Pasupathi, AP/ECE, KCE.

During the session, the resource person shared the need for embedded systems in our daily life. Also he explained the design of electronic systems using various methods. A case study on various applications using embedded systems was demonstrated.







Mr. T. Pasupathi delivering lecture

Session 2- Applications of Embedded Systems by Mr.T.Jeyaseelan, AP/ECE, KCE.

During the session, the resource person shared the applications of embedded system with suitable examples. Also he shared his experience in designing a embedded system for various applications and the challenges faced during development.



Mr. T. Jeyaseelan delivering lecture



Mr. P. Rajasekar delivering lecture

Session 3- Electronic System Design - Demonstration by Mr.P.Rajasekar, V3 Technologies.

During the session, the resource person started with the origin of embedded systems. Also he briefed on the generation of microcontroller and the processor available in the market. He listed the various I/O devices with examples in real-time. He gave a demonstration of hand held gadget for the differently abled using various sensors and design aspects.

Valedictory Function:

The participants shared their feedback about the training programme. Dr. S. Sivakumar, Vice Principal, KCE delivered the valedictory address. In his valedictory address, he advised to refer the four major key hand books required for electronic design engineers. The dignitaries issued certificates to all the participants. Mr. A. Herald, AP/ECE delivered the vote of thanks. Finally the program ended with National anthem. Sixty students along with three faculty members from various polytechnic colleges participated and got benefited.



A view of the participants



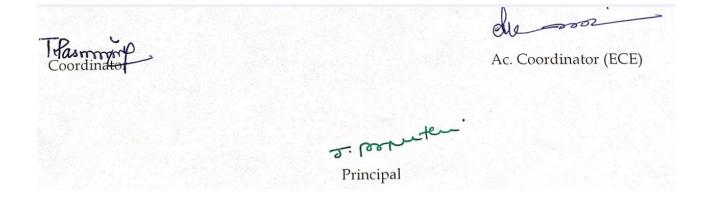
Dr. S. Sivakumar, issuing certificate to the participants



Dr.S. Sivakumar delivering valedictory address



Mr. A. Herald delivering vote of thanks



Contents:

The seniour focusion on:

- · Definition of Research
- · Research theree search
- · Citation writing practical
- · Experiments and Analysis
- · Research article writing
- Language issues.
- Plagiarism
- Presentation

Resource Persons:

Faculties from reputed institutions like NITs and Faculty of Kings College of Engineering.

Registration fees:

Spot registration is permitted. Scarned copy of the registration form must be sent through c-mail on/or before 28.01,2018.

IEEE Members Rs.100 Non IEEE Member R= 250

The registration fee includes course material, lunch and refreshment.

Transport:

Porticipants can avail the transport facilities of the college.

Chief Patrone:

Dr. R. Rajendran Secretary

McT.R.S.Muthakumaar, voc., Chief Executive Officer

Dr. J. Arpotha Vijaya Selvi. Principal

Co.Patroni

Dr.S. Sivakumar Vice Principal

Coordinature:

Mr. T. Passepathi APPECE - RAD

Mr. J. Niranjan Samuel IRF/RAD



Please mail your registration form to:

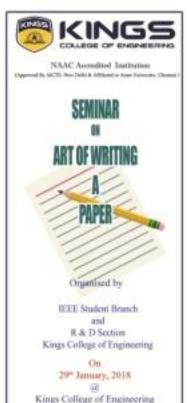
The Coordinator,

Seminar on Art of Writing a Paper, R & D Section, Kings College of Engg... Punulkulum- 613303.

Phone: 04362 - 282474

For further information contact:

Mr. T. Panapahi - 98941 04645 Mr. J. Niranjan Samuel - 99947 18168



About our Institution:

Kings College of Engineering (KCE) is an institution which was formed with the single aim of providing quality education to the poor and underprivileged students. KCE is approved by All. India Council of Technical Education, New Delhi (AICTE) and is affiliated to Anna University. Chemia. The institution was established in the year 2001 on a sprawling campus of around 60 acres on the Thanjovur-Pudakkottai Highway and run by Raj Educational Trust (RET). The institution offers six U.G and four P.G progrunnes and certified with ISO 9001:2008. The state of the art teaching methodologies are used to impert high quality education to the students including e-learning.

About R & D Section:

Department of Electronics & Communication, Electrical & Electronics Engineering and Mechanical Engineering are recognized as research centres for collaborative research by Anna University, Cheenai. A significant number of projects funded by various government and non government funding sectors nomely

DRDO.

MCTT.

AICTE, New Delhi.

TNSCST, Chemnai.

Analog Devices, USA & Texas Instruments, USA are successfully carried dist.

Faculty members are encouraged to participate in the faculty development programs, workshops and seminars organized by other institutions in their research area as a step towards strengthening their domain knowledge.

About the seminar;

Writing a scientific research paper is a prerequiste for undertaking research. Substantial research effort is required to draft a scientific research paper by researchers. However scholars do not know how to draft a paper with the experimental results, required by the poer reviewed journals leading to rejection. Writing a research paper is an knowledge based skill.

This seniour offers a platform for the scholars to cerich their art in writing research papers. This workshop helps to emphasize the value of research and enables them to have an opportunity to publish their research findings in journals and understand the best practices of publishing journal papers.

Target Audience:

The seminar is open to Faculty Members. Students, Research Scholars and persons working in R&D Organizations and Industries.

Kings College of Engineering Punulkulam - 613 305 Seminar "Art of Writing a Paper"

Punalkulam - 613 303 website: www.kingsindin.net

Registration Form

Please fill this form and send it to us by email randdiikisgsindia.net

1. Niene (in block letters)

2. Qualification

3. Designation

4. Institution / Organization :

5. Address for Coremanication :

6. Phone No. / Mobile

T. E-mail:

Signature of the applicant

Signature of the Head of the Department







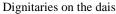
R & D Section and IEEE STB

Seminar on "Art of Writing a Paper"

A Seminar on "Art of Writing a Paper" was organized on 29th January, 2018. Mr. T. Pasupathi, AP/ECE, welcomed and introduced the resource person to the gathering. Dr. J. Arputha Vijaya Selvi, Principal and IEEE SBC presided over the function and delivered presidential address. In her presidential address, she briefed the importance of research for students of engineering and technology. Also, she insisted the participants to undertake research and publish their findings in conferences and reputed journals and stressed that the research paper should reveal the uniqueness of the work carried out and clearly describe the strategies adopted in the work.

Dr. S. Bharathi Raja, Principal, Indra Ganesan College of Engineering, Tiruchirappalli, delivered inaugural address. In his address, he stressed on the importance of doing research. During the session I, he delivered talk on "Research to Reward". In his lecture, he briefed on the methods of research: Scientific method, Engineering method, Empirical method and Analytical method. Also he explained the steps involved in research: Literature survey, open problem, need for present research, experimentation, analysis, validation and results & discussion.



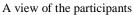




Dr. S. Bharathi Raja delivering inaugural address

In addition, he advised the students to refer 'www.issn.org' which reveals the format of universally accepted research papers. Also, he stressed the importance of literature survey and points to be cited as: what author did, what methodology has been followed and results of the research work. Finally, he shared how to make an attractive power point presentation and intellectual property rights.







One of the participant sharing the feedback

Dr. R. Amirtharajan, Associate Professor/SEEE, SASTRA University, Thanjavur delivered talk on "How to make an effective oral presentation without Plagiarism" during session-II. In his lecture, he briefed about making an effective presentation with case study on "Image steganography". During his lecture he demonstrated freeware plagiarism/grammar checking tools.



Dr. R. Amirtharajan delivering lecture



Dr. R. Amirtharajan issuing certificates to the participants

Dr. S. Sivakumar, Vice Principal presided over the valedictory function. Dr. R. Amirtharajan, issued certificates to the participants. Ms. Jaishree, student III ECE delivered vote of thanks. The programme was concluded with national anthem.

Coordinators

Principal







DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING ACADEMIC YEAR 2017-2018 (ODD SEMESTER) NATIONAL LEVEL TECHNICAL SYMPOSIUM (eBLAST2k17)

Date: 01/09/2017 Venue: AV Hall

REPORT

Department of Electronics & Communication Engineering of Kings College of Engineering, Punalkulam, organized National Level Technical Symposium, e-BLAST2k17, on 01.09.2017. The objective of the symposium is to share the technical knowledge among students of various Engineering colleges all over India. Mr.A,Aravind Amstrong, President, e-BLAST2k17, delivered the welcome address. Final year student, Ms.S.Priyadharshini, Vice-President, introduced the Guest of Honour. Dr.A.Amuthasurabi, Prof & Head, Indian Institute of Food Processing, Thanjavur was the Guest of Honour and delivered inaugural address. In his address, he briefed about "80-20 Policy". Mrs. T.Shanthi, Associate Professor/ECE, Kings College of Engineering felicitated. 30 papers were received and 20 papers were selected for presentation after scrutinization. 40 students from various colleges participated and presented their papers pertaining to Electronics and Communication Engineering. 30 students participated in non-technical events.







Chief guest introduction was delivered by Ms.Priyadharshini, Vice-President



Honoring the guests by **Dr.J.Arputhavijayaselvi**, HOD/ECE, and Prof.T.Shanthi.



Inaugural Address by **Dr.A.Amuthasurabi**



Felicitation Address by Mrs.T.Shanthi, $Associate\ professor/KCE$

e-BLAST2K17 Souvenir was released by **Dr.A.Amuthasurabi**, Prof and Head, IIFPT, Thanjavur and received by **Dr.T.Jayasankar** Assistant professor, Anna university, Thiruchirappalli.



Souvenir released by Dr.A.Amuthasurabi and received by Dr.T.Jayasankar.

On this occasion, an Intradepartmental Mini Project Expo was organized to enable the students to exhibit their talents in the form of projects related to Water level alarm, Automatic plant irrigation system and Electronic Eye controlled security system. About 37 (second year and third year) students participated in the exhibition. 16 projects were exhibited; students explained the working principle of their projects and demonstrated.



Dr.R.Rajendran, Secretary, Kings college of Engg and **Dr.J.Arputha Vijaya Selvi**, Principal, Kings College of Engg viewing the project exhibition

Final year student, Mr.N.Aravind, Treasurer, e-BLAST2k17, delivered the Vote of Thanks. Finally, Mr.R.Ponni, AP/ECE Coordinator of e-BLAST2K17, expressed thanks to the Management, CEO, Principal, Vice- Principal, Teaching and Non teaching staff members, students of ECE and the participants from various colleges for the grand success of e-BLAST2K17.



Prize and certificates distribution to the Technical events participants by **Dr.J.Arputha Vijaya Selvi**, Principal,KCE



Prize and certificates distribution to the paper presentation participants by **Dr.J.Arputha Vijaya Selvi**, Principal,KCE







ISTE-STUDENT CHAPTER (TN 217) ACADEMIC YEAR 2017-18(EVEN) Cube Game Report

The ISTE Student Chapter, Kings College of Engineering, Organized a competition on Cube Game on 06.02.2018 between 3.00pm – 4.00pm at hall no. 127 for the ISTE student members of ECE Department. 24 students were actively participated in this competition. The following students are the prize winners.

POSITION	CLASS	NAME OF THE STUDENT
FIRST	II ECE B	C. RANJITHA
SECOND	III ECE B	V. UTHRASRI
THIRD	II ECE B	U.K. VITHYASRI







Participants actively solving the cube

About the Event

The Irregular IQ Cube is a break-through of the traditional IQ game! We could change to this new brain training cube. Solving the cube is made piece by piece, just like any other puzzle. If we solve the Rubik's cube then we're at least fairly smart. However, there are plenty of really smart people that can't solve the cube on their own (or even with help). It's just one type of smartness and it also requires secondary skills such as patience and perseverance.

Guidelines

- Individual event.
- Cube will be provided.
- There are two rounds, like first and second round.

First Round

- Maximum time is 2 minutes.
- Five participants will be selected those who complete the first round within the minimum period of time.

Second Round

- Maximum time is 1 minute.
- Three participants will be selected those who complete the second round within the minimum period of time for the prize.
- If the rules are violated, then the participants will be rejected immediately.
- Judges decision will be final.





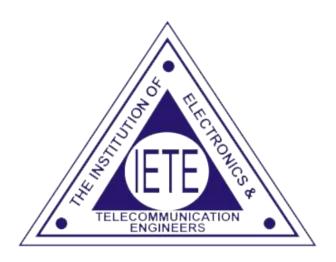


Approved by AICTE, Affiliated to Anna University.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Academic Year 2015-2016 (Even Semester)

THE INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS IETE STUDENTS' FORUM (ISF)



REPORT
OF
PROJECT EXHIBITION
Held on 11th March 2016

And

TECHNICAL VISIT AT

DOORDHARSAN, HIGH POWER TRANSMITTER,

KUMBAKONAM

10th February 2016

Over view of the Event

The Department of Electronics and Communication Engineering, Kings College of Engineering had organized an event titled "**Project Exhibition**" on 11.3.2016 for the B.E third year ECE IETE student members under the IETE students' Forum.

The Event was organized with prior permission and guidance of the Hon. Principal Dr.S.DuraiRaj and Mrs.T.Shanthi, Associate Professor and Head, ECE department, Kings College of Engineering.

The Faculty of ECE Department Mr.T.Jeyaseelan AP, IETE Students' Forum (ISF) coordinator coordinates this event. The 47 IETE student members of B.E (ECE), third year get benefitted in this event.

Mr. T. Jayasankar, AP/ECE, Anna University, BIT Campus have been invited for the event as chief Guest.

The Event was started with the presence of chief Guest Mr. T. Jayasankar, AP/ECE, Anna University, BIT Campus at 11.00 A.M in ECE department Lab.



Mrs.T.Shanthi, Associate Professor and Head, ECE department honored the invited chief guest for the event.



Mrs.T.Shanthi, Associate Professor and Head, ECE department honored the invited chief guest for the event.



The student batches at Project exhibition on 11.03.2016.



A Batch of IETE Student members presents their work to the chief quest during the Project exhibition on 11.03.2016.



studentmembers demonstrate their Project to the Resource Person Mr.T.Jayasankar, Assistant professor, ECE department Annauniversity BIT campus and the Mrs T.Shanthi Associate Professor & Head, ECE department, Kings College of Engineering during the circuit exhibition

List of Students Attended Innovative Circuit Exhibition on 11.3.16

YEAR/SEM	S.NO.	NAME OF STUDENT	Class & Section
	1	KRISHNAVENI.S	
	2	ANNALAKSHMI.A	
	3	KISHORE.G.K	
	4	ISHWARYA PILLAI.M	
	5	DEEPIKA.L	
	6	JASMINE.K	
	7	BARGAVI.G	
	8	JAYALAKSHMI.M	III ECE 'A'
	9	ABINAYA.A	
	10	ELAMATHI.M	
III/VI	11	AJEETHKUMAR.V	
	12	JEEVA.M	
	13	ARAVIND.K	
	14	AKSHAYA.A	
	15	KIRUTHIKA.B	
	16	MANGALA NAYAGI.S	
	17	NIVETHA.R	
	18	NOORJAHAN.S	
	19	PADMAPRIYA.K	
	20	PAVITHRA.S	
	21	PREETHI.M	III ECE 'B'

	22	PREETHIKA.V	
	23	PRIYA DARSINI.S	
	24	PRIYA DHARSHNI.K	
	25	PRIYANKA.M	
	26	PRIYANKA.R	
	27	RAJAGOWRI.V	
	28	RAJASRI.E	
	29	RAJESHWARI.R	
	30	SALAM BEGUM.R	
	31	SHALINI.K	
	32	SHOBIKA.S	
	33	SINDUJA.S	
	34	SRIDEVI.A	
	35	SWATHI.R	
	36	SUSHMITHA.P	
III/VI	37	POTHUMSELVI.R	III ECE 'B'
	38	PAVITHRA.E	
	39	PRIYANGA.V	
	40	SHYAMALA.K	
	41	MANJULAVANI.H	
	42	MANIKANDAN.D	
	43	SHANMUGA PRIYA.K	
	44	NABINIYA.M	
	45	SUSANDHIYAA.R.S	
	46	SURUTHI.R	
	47	RAJARAJAN.V	

Over view of the Technical visit

The Department of Electronics and Communication Engineering , Kings College of Engineering had Organized an Technical visit on 10.2.16 to Doordharsan Highpower Transmitter located in Ammachatram, Kumbakonam 60km from Kings College of Engineering, Thanjavur for the B.E. final year ECE student IETE members (2012-2016 Batch) under the IETE students' Forum.

The visit was organized with prior permission and guidance of the Hon. Principal Dr.S.DuraiRaj and Mrs. T.Shanthi, Associate Professor and Head, ECE department, Kings College of Engineering.

Mr.T.Jeyaseelan AP/ECE, IETE Students' Forum (ISF) coordinator coordinates this technical visit. Total 19 students of B.E (ECE), final year IETE members along with coordinator have joined with this visit.

The one day visit was organized with prior permission of Mr. Somu, Assistant Engineer, Doordharsan Highpower Transmitter, Kumbakonam.

We reached to the Doordharsan premises at Kumbakonam at 10.30 A.M. The Student Chairman Ms. Barakathu Nisha of final year ECE 'A' gathered the student members at Doordharsan with IETE banner.

At the very beginning of our visit we met Mr. Sakthivel Assistant Engineer at 11.00 A.M. He introduces himself with student members and shared about Doordharsan with his Academic profile and work experience. The Students got inspiration about the field of communication and the achievements of Doordharsan with its objective of television broad casting to every public without revenue.



IETE Student members at Doordharsan Highpower Transmitter, Kumbakonam on 10.2.2016.

It was a good experience, which has provided an technical exposure to the final year students.



IETE Student members along with Assistant Engineer Mr. Sakthivel at Doordharsan Highpower Transmitter,Kumbakonam on 10.2.2016

Mr. Sakthivel presented lecture on uplink and downlink communication for television broadcasting. He briefly explained about the C- band and Ku- band frequencies used for uplink and downlink communication, the need for modulation, the characteristics of video signal, the type of modulation used for video and audio signals.



Mr. Sakthivel Assistant Engineer presents an overview of communication system for Television broadcast by Doordharsan and students are listening to his lecture.

The location of satellite in the orbit and the satellite communication for the DTH TV broad casting network was explained by the Resource person. students learned the communication system for the transmission and reception television signal.

During his lecture, the students were able to differentiate Point –to-Point communication and Point – to –Multipoint communication and to understand antenna design, The resource person insist the students that Yagi antenna as a dipole antenna which is used only as receiving antenna and can be cascaded.

He highlited that Doordharsan still uses Terrestial communication for the broadcasting. His lecture brought the students to recap the basic concepts and fundamentals of communication system taught in their curriculam.

During the technical visit, the students gained Practical knowledge on Television signal broadcasting through the demonstration given by Mr. Sakthivel, Assistant Engineer, Doordharsan Highpower Transmitter, Kumbakonam.



Mr. Sakthivel, Assistant Engineer explains about how a program is received and transmitted to the public covering the broadcasting region.

The uplink and downlink communication frequencies band for the transmission and reception of television signal was explained with the console.



Mr. Sakthivel, Assistant Engineer interacted with students with an technical issue of delay in receiving of same video signals from different transmission centers





During the technical session the resource person explained about visualization of TV signal, color carrier, sync pulse timings and how color video is transmited using the existing monochrome television system

The Resource person explained about the function of Down link Receiver, Processing ,modulation, Video distribution Amplifier , combiner and RF power combiner to the students.

List of Students Attended Technical Visit on 10.2.16

S.No.	Student Name	Class & Section	
1	DHANALAKSHMI.P		
2.	ELAKKIA.R		
3.	EVANGELIN.J		
4.	GOMATHI.K		
5.	KASTHURI.U		
6.	GAYATHRI.N		
7.	BHARAKATHU NISHA.S IV ECE 'A		
8.	KAVYA.P		
9.	KAVITHA.P		
10.	KASIRAM.M		
11.	KADALVIZHI.K		
12.	HARITHA MOHAN		
13.	ELAKKIYA.M		
14.	ABINAYA.G		
15.	DEVI.T		
16.	NIVETHA.K	IV ECE 'B'	
17.	RAHINI.R		
18.	PREETHI.J		
19.	SRIDHAR.V	IV ECE 'C'	

prepared By

T.Jeyaseelan,
Coordinator
AP/ECE
IETE STUDENTS' FORUM (ISF)
Kings College of Engineering.

S.BHARAKATHU NISHA,
Student Chairman
Student, B.E (ECE)
IETE STUDENTS' FORUM (ISF)
Kings College of Engineering.

HOD/ECE)

PRINCÍPAL







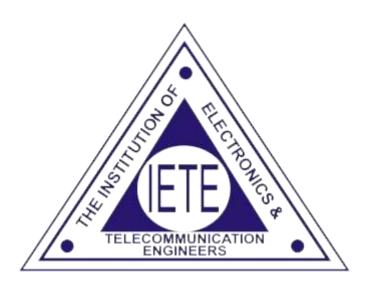
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Academic Year 2016-2017 (Odd Semester)

THE INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS

IETE STUDENTS' FORUM (ISF)



A REPORT
OF
GUEST LECTURE

 $22^{nd}\,JULY\,2016$

Department of Electronics and Communication

Kings College of Engineering







DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING Academic Year 2016-2017 (Odd Semester)

THE INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS (IETE) IETE STUDENTS' FORUM (ISF) GUEST LECTURE - ACTIVITY REPORT

The Department of Electronics and Communication Engineering , Kings College of Engineering had Organized a Guest Lecture on 22.7.16 for the final year ECE IETE student members under the IETE students' Forum.

The Activity was organized with prior permission and guidance of the Hon. Principal Dr.S.DuraiRaj and Dr.J.Arputha vijaya selvi, Professor and Head, ECE department, Kings College of Engineering.

Mr.T.Jeyaseelan AP/ECE, IETE Students' Forum (ISF) coordinator coordinates the Guest Lecture activity. The 47 IETE student members of B.E (ECE), final year attended the Guest Lecture.

Dr.R.Amirtharajan, Associate Professor, Department of Electronics & Communication Engineering, SASTRA University was invited for the Guest Lecture with prior requisition.

Dr. R. Amirtharajan has been working as a Associate Professor in the department of Electronics & Communication Engineering SASTRA University since 1997.

His research interests include Image Processing, Information Hiding, Computer Communication and Network Security. So far he filed two International Patent (USA & WIPO) and one in India;

He has published 123+ Research articles in National & International journals and 28 IEEE conference papers with 4 BEST paper awards.



Dr.J.Arputha vijaya selvi , Professor & Head, ECE Dept, honored Dr.R. Amirtharajan , Associate Professor ,SASTRA University for the Guest Lecture Activity on 22.7.2016.



Dr.R. Amirtharajan , Associate Professor, SASTRA University delivers Guest Lecture on Image Security to the IETE student members on 22.7.2016..



The IETE student members participated in the Guest Lecture delivered by Dr.R. Amirtharajan , Associate Professor ,SASTRA University on 22.7.2016.



The IETE student members participated in the Guest Lecture delivered by Dr.R. Amirtharajan , Associate Professor ,SASTRA University on 22.7.2016.

Dr.R. Amirtharajan explained the origin of data secuity and its potential growth in the field of communication. He explained the concept of image secuity with some simple assignments such as generating a secure ATM card PIN number and how airtel other service provider use unique number for recharging services.

He shared about the basic requirements to have secure password for internet banking, email account and other services. students learned the basics of data security and how it plays vital role in modern communication system and human life.

During the session, the students were inteactive and got inspiration in the Lecture. The Resource person highlited the concept of image security, algorithm and its applications in wireless communication.

The Resource person explained about how image security is used in mobile devices.

The Students gained knowledge on image security and its applications in the field of communication.

The Students were able to know the method of generation of unique number which is used in the communication system and services.

Dr.R. Amirtharajan shared the scope of the Image security in the field of communication with current research work.

List of Students Attended Guest Lecture on Image Security on 22.7.16

YEAR/SEM	S.NO.	NAME OF STUDENT	Class & Section
	1	KRISHNAVENI.S	
	2	ANNALAKSHMI.A	
	3	KISHORE.G.K	
	4	ISHWARYA PILLAI.M	
	5	DEEPIKA.L	
IV/VII	6	JASMINE.K	
	7	BARGAVI.G	
	8	JAYALAKSHMI.M	IV ECE 'A'
	9	ABINAYA.A	
	10	ELAMATHI.M	
	11	AJEETHKUMAR.V	
	12	JEEVA.M	
	13	ARAVIND.K	
	14	AKSHAYA.A	
	15	KIRUTHIKA.B	
	16	MANGALA NAYAGI.S	
	17	NIVETHA.R	
	18	NOORJAHAN.S	
	19	PADMAPRIYA.K	
*** /****	20	PAVITHRA.S	IV ECE 'B'
IV/VII	21	PREETHI.M	
	22	PREETHIKA.V	

	1		
	23	PRIYA DARSINI.S	
	24	PRIYA DHARSHNI.K	
	25	PRIYANKA.M	
	26	PRIYANKA.R	
	27	RAJAGOWRI.V	
	28	RAJASRI.E	
	29	RAJESHWARI.R	
	30	SALAM BEGUM.R	
	31	SHALINI.K	
	32	SHOBIKA.S	
	33	SINDUJA.S	
	34	SRIDEVI.A	
	35	SWATHI.R	
IV/VII	36	SUSHMITHA.P	
	37	POTHUMSELVI.R	III ECE 'B'
	38	PAVITHRA.E	
	39	PRIYANGA.V	
	40	SHYAMALA.K	
	41	MANJULAVANI.H	
	42	MANIKANDAN.D	
	43	SHANMUGA PRIYA.K	
	44	NABINIYA.M	
	45	SUSANDHIYAA.R.S	
	46	SURUTHI.R	
	47	RAJARAJAN.V	
	46		

Outcome

The Guest Lecture brought an insight in the area of image security for the students . The students got inspiration about the image security applications and the consequences of insecure password, PIN number, etc. They learned about the basic concept of image security and the techniques for the generation of unique number, and its applications.







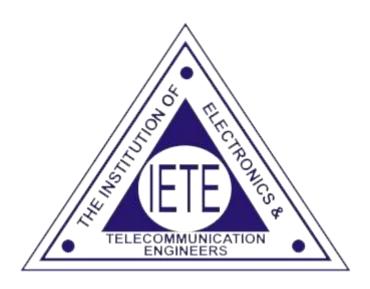
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Academic Year 2016-2017 (Even Semester)

THE INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS

IETE STUDENTS' FORUM (ISF)



A REPORT OF GUEST LECTURE ON DOCUMENT IMAGE PROCESSING

17.03.2017

Department of Electronics and Communication
Kings College of Engineering, Thanjavur.







DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING Academic Year 2016-2017 (Even Semester)

THE INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS (IETE) IETE STUDENTS' FORUM (ISF) GUEST LECTURE - ACTIVITY REPORT

The Department of Electronics and Communication Engineering , Kings College of Engineering had Organized a Guest Lecture on 17.3.2017 for the final year ECE IETE student members under the IETE students' Forum.

The Activity was organized with prior permission and guidance of the Hon. Principal Dr.S.DuraiRaj and Dr.J.Arputha vijaya selvi, Professor and Head, ECE department, Kings College of Engineering.

Mr.T.Jeyaseelan AP/ECE, IETE Students' Forum (ISF) coordinator coordinates the Guest Lecture activity. The 47 IETE student members of B.E (ECE) attended the Guest Lecture.

Dr.R.Diwakar, Assistant Professor (Sr.G), Department of Electronics & Communication Engineering, SRM University was invited for the Guest Lecture with prior requisition.

His research interests include Document Image Processing. He has published selected 8+ Research articles in National & International journals and 6 Publications in international conferences.



Dr.J.Arputha vijaya selvi , Professor & Head, ECE Dept, honored Dr.R.Diwakar, Assistant Professor (Sr.G), Department of Electronics & Communication Engineering, SRM University for the Guest Lecture Activity on 17.3.2017.



Dr.R.Diwakar, Assistant Professor (Sr.G), Department of Electronics & Communication Engineering, SRM University delivered Guest Lecture on Document Image Processing to the IETE student members on 17.3.2017.



The IETE student members $\,$ participated $\,$ in the Guest Lecture on 17.3.2017.



The IETE student members $\,$ participated $\,$ in the Guest Lecture on 17.3.2017.

Dr.R.Diwakar explained the way one shall view the document and in reality it has more kinds of information such as images, text, layout and colors etc.,

He shared about the the evolution of Document usage, life cycle, production, distribution, consumption and archival, Document image processing, Document images merits

During the session, the students were inteactive and got inspiration in the Lecture.

The Resource person explained about image compression standards of JPEG(Joint Photographic Experts Group), GIF(Graphics Interchange Format) and PNG (Portable Network Graphics).

The Students gained knowledge on image compression standards and the algorithms used by the compression standards.

The Students gained knowledge on image compression standards and for natural images JPEG gives better compression while sharp-edged line art images could be better compressed by GIF compression standard.

The Resource person shared the scope of Document Image Processing in field of searching , information decoding and storage.

Outcome

The Guest Lecture brought an insight in the area of Document Image Processing for the students . The students got inspiration about the viewing of a Document, layout , text image, different compression standards for natural images and sharp edge-line art images and searching an information from the document image .





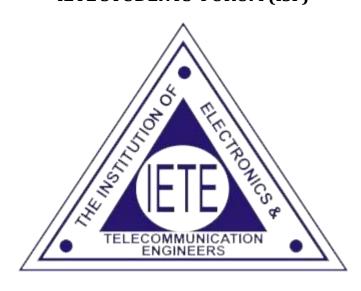


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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Academic Year 2016-2017 (Even Semester)

THE INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS IETE STUDENTS' FORUM (ISF)



A REPORT

OF

Technical Quiz Competition

on

16.07.2016

Department of Electronics and Communication

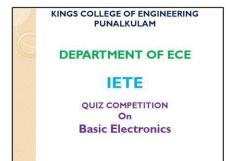
Kings College of Engineering, Thanjavur.

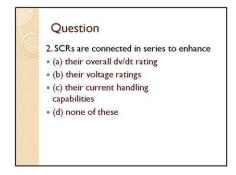
The IEI Student Chapter, Kings College of Engineering, organized a Quiz Competition on 16.07.16 for the IEI student members of ECE Department. 43 students have actively participated in this competition. The list of students participated in the event is as follows

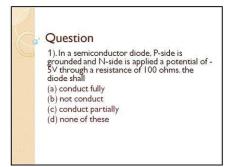
ROLL					
NO	REGISTER NUMBER	NAME OF THE STUDENT			
1	821113106001	AARTHI S			
2	821113106002	ABARNASRI R			
3	821113106003	ABINAVI A			
4	821113106004	ABINAYAA			
5	821113106006	ABIRAMI S			
6	821113106007	AGASTHIYAA			
7	821113106008	AJEETHKUMAR V			
8	821113106009	AKALYAN			
9	821113106010	AKSHAYA A			
10	821113106012	ANITHA S			
11	821113106013	ANNALAKSHMI A			
12	821113106014	ANU RATHIKA M			
13	821113106015	ANUSHA A			
14	821113106016	ARAVIND K			
15	821113106017	ARAVINDHR			
16	821113106018	ARAVINTH A			
17	821113106019	ARAVINTH R			
18	821113106020	AROKIA AJITH LEO X			
19	821113106021	ARTHI A			
20	821113106022	ARUN KUMAR G			
21	821113106023	ARUN KUMAR V			
22	821113106024	ASHIYABEGUM J			
23	821113106025	ASHVITHA M			
24	821113106027	BALACHANDAR R			
25	821113106028	BARGAVIG			
26	821113106029	BASHIRUNNISHA S			
27	821113106030	BAVATHARANI S			
28	821113106031	BEESHMAR S			
29	821113106032	BENITAA			
30	821113106033	CHANDRAMALA C			
31	821113106034	CHANTHIYA S			
32	821113106035	DEEPIKA L			
33	821113106036	DHARANI M			
34	821113106037	DURGA DEVI P			
35	821113106038	ELAMATHI M			
36 37	821113106039 821113106040	ESTHER THANISHA T FARIDHA NASRIN N			
38	821113106040	GAYATHRI A			
39	821113106041	GOWTHAMAN A			
40	821113106043	GUNASEELAN S			
41	821113106044	HARI PRIYA P			
42	821113106047	HASIKA PRIYA R			
43	821113106048	HEMALATHA R			

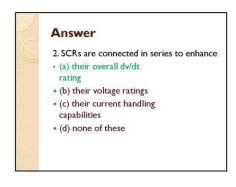
The Quiz competition is conducted with the help of Power point presentations for the student team. The presentation at Quiz round is shown as follows.

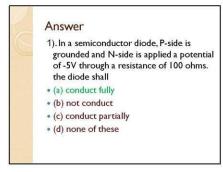
7/16/2016

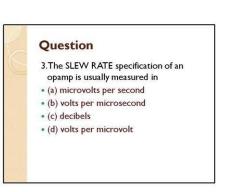












- 3.The SLEW RATE specification of an opamp is usually measured in
- (a) microvolts per second
- (b) volts per microsecond
- (c) decibels
- (d) volts per microvolt

Question

- 5. in the astable mode of operation of IC 555, the timing capacitor always charges between
- (a) 0 and 1/3 Vcc
- (b) 1/3 Vcc and 2/3 Vcc
- (c)0 and 2/3 Vcc
- (d) 0 and Vcc

Question

- 4.The pulse width in a 555 monostable multivibrator is given by
- (a)t = 0.69 RC
- (b)t = 1.1 RC
- (c)t = 1.38 RC
- (d) none of these

Answer

- 5. in the astable mode of operation of IC 555, the timing capacitor always charges between
- (a) 0 and 1/3 Vcc
- (b) 1/3 Vcc and 2/3 Vcc
- (c)0 and 2/3 Vcc
- (d) 0 and Vcc

Answer

- 4. The pulse width in a 555 monostable multivibrator is given by
- (a)t = 0.69 RC
- (b)t = 1.1 RC
- (c)t = 1.38 RC
- (d) none of these

- 6.when a PLL is being used as an FM demodulator; the demodulated signal appears at
- (a) the output of phase comparator
- (b) the VCO output
- (c) the output of low pass filter
- (d) none of these.

- 6.when a PLL is being used as an FM demodulator, the demodulated signal appears at
- (a) the output of phase comparator
- (b) the VCO output
- (c) the output of low pass filter
- (d) none of these.

Question

- 8.the output voltage at no load in an unregulated power supply is the same as its output voltage at rated load current. its internal resistance is therefore
- (a) extremely small
- (b) zero
- (c) infinite
- (d)extremely large.

Question

- 7. most popular oscillator configuration for audio applications is :
- (a) Hartley oscillator
- (b) colpitt's oscillator
- (c) wein-bridge oscillator
- (d) R-C phase shift oscillator.

Answer

- 8.the output voltage at no load in an unregulated power supply is the same as its output voltage at rated load current. its internal resistance is therefore
- (a) extremely small
- (b) zero
- (c) infinite
- (d)extremely large.

Answer

- 7. most popular oscillator configuration for audio applications is :
- (a) Hartley oscillator
- (b) colpitt's oscillator
- (c) wein-bridge oscillator
- (d) R-C phase shift oscillator.

- 9. mark the rectifier circuit that produces the least ripple
- (a) single rectifier, half wave, single phase
- (b) four rectifiers,full wave,single phase
- (c) two rectifiers,full wave,single phase
- (d) six rectifiers, full wave, three phase.

- 9. mark the rectifier circuit that produces the least ripple
- (a) single rectifier, half wave, single phase
- (b) four rectifiers,full wave,single phase
- (c) two rectifiers,full wave,single phase
- (d) six rectifiers, full wave, three phase.

Question

- 11.The pulse width in a 555 monostable multivibrator is given by
- (a)t = 0.69 RC
- (b)t = 1.1 RC
- (c)t = RC
- (d) none of these

Question

- 10.the SLEW RATE specification of an opamp is usually measured in
- (a) microvolts per second
- (b) volts per microsecond
- (c) decibels
- (d) volts per microvolt

Answer

- 11.The pulse width in a 555 monostable multivibrator is given by
- (a)t = 0.69 RC
- (b)t = 1.1 RC
- (c)t = RC
- (d) none of these

Answer

- 10.the SLEW RATE specification of an opamp is usually measured in
- (a) microvolts per second
- (b) volts per microsecond
- (c) decibels
- (d) volts per microvolt

- 12.When a PLL is being used as an FM demodulator; the demodulated signal appears at
- (a) the output of phase comparator
- (b) the VCO output
- (c) the output of low pass filter
- (d) none of these.

- 12. when a PLL is being used as an FM demodulator; the demodulated signal appears at
- (a) the output of phase comparator
- (b) the VCO output
- (c) the output of low pass filter
- (d) none of these.

Question

- 14.A 4-bit circulating register is initially set to 000 I (I is the true output of the first flip flop and represents LSB).
- 4-bit number preset in the register at the end of 16 clock pulses is
- (a) 0010
- (b) 000 I
- (c) 0100
- (d) 1000

Question

- 13."A NOR gate is equivalent to a bubbled AND gate". this statement is an outcome of
- (a) demorgan's theorems
- (b) involution law
- (c) absorption
- (d) idempotent law

Answer

- 14. A 4-bit circulating register is initially set to 0001(1 is the true output of the first flip flop and represents LSB).
- 4-bit number preset in the register at the end of 16 clock pulses is
- (a) 0010
- (b) 000 I
- (c) 0100
- (d) 1000

Answer

- 13."A NOR gate is equivalent to a bubbled AND gate". this statement is an outcome of
- (a) demorgan's theorems
- (b) involution law
- (c) absorption law
- (d) idempotent law

- 15. number of comparators needed to build a 6-bit simultaneous A/D converter
- (a) 63
- (b) 64
- (c) 7
- (d) 6

- 15. number of comparators needed to build a 6-bit simultaneous A/D converter
- (a) 63
- (b) 64
- (c) 7
- (d) 6

Thank you for Your Participation

Question

- 16. in a broadcast communication receiver, most of the receiver selectivity is achieved in
- (a) RF Section
- (b) IF Section
- (c) Mixer

Answer

- 16. in a broadcast communication receiver, most of the receiver selectivity is achieved in
- (a) RF Section
- (b) IF Section
- (c) Mixer

Outcome

The students have got an experience of sharing their knwledge in the field of Electonics and Communication Engineering. The students have actively shown their teamwork when the quiz questions were asked as per quiz round to the different team of student members. Through this technical Quiz event students have an opportunity to enhance their technical knowledge.







Department of Electronics and Communication Engineering National Conference on Signal Processing and VLSI Design

A detailed report on the National Conference on Emerging Trends in Signal Processing and VLSI Design, (NCSPVD-2016)

NCSPVD-2016 was organized by department of ECE and technically sponsored by IETE. A target of 50 papers was set, out of which 40 quality papers would be selected. Enthusiastic response was received all around 45 full manuscripts were uploaded on Easy Chair. 40 papers were accepted after a rigorous review, making it very selective. 40 accepted papers were distributed for 2 Oral Sessions.



Lighting the lamp



Welcome address by Dr.S.Sivakumar, Vice Princiapl



Honoring the chief guest Dr.S.Devaraj by Dr.S.Sivakumar



Dr.S.Sivakumar honoring Dr.R.Vimalathithan

Inauguration

NCSPVD-16 commenced with formal registration. Inaugural ceremony was initiated with prayer song. **Dr S.Sivakumar, Vice Principal and Conference Chair,** welcomed the gathering followed by lighting of ceremonial lamp by the dignitaries. Dr.J.ArputhaVijaySelvi, HoD/ECE honored the guests.





Dr. J. Arputha Vijaya Selvi giving memento to Dr.S.Devaraj

Dr. J. Arputha Vijaya Selvi giving memento to Dr.R. Vimalathithan



Release of the Hardcopy of proceedings

Hard copy of the Conference Proceedings was released by the special guest **Dr.R.Vimalathithan** received by **Dr.S.Devaraj Dean, Kalasalingam University.** Soft copy of the Proceeding was released by **Dr.S.Devaraj received by Dr.S.Durairaj, Princial Kings college of Engineering.**

Dr.S.Durairaj,Principal, Kings College of Engineering, presided over the function and delivered the presidential address. He insisted the importance of conference and asked the authors to involve in the research.

Mrs.A.Praba Assistant Professor/EEE Introduced the chief guest **Dr.D.Devaraj Dean/Academics/EEE**, **Kalasalingam University**, **Krishnanakovil**. Dr.D.Devaraj delivered the inaugural address. He insisted the authors to involve in research and find a solution to balance production and demand in electricity.

Mr.P.Raja Pirian Assistant Professor/ ECE Introduce the special guest Dr.R.Vimalathithan Professor/ECE, Karpagam College of Engineering, Coimbatore. Dr.R.Vimalathithan delivered the Felicitation address.



Release of the softcopy of proceedings



Dr.S.Durairaj, Principal, Kings College of Engineering delivering Inaugural
Address

After a high tea, Dr.R.Vimalathithan delivered akeynote speech on the title "Smart City".

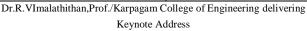


Dr.S.Devaraj, Dean/EEE, Kalasalingam University delivering Chief Guest Address



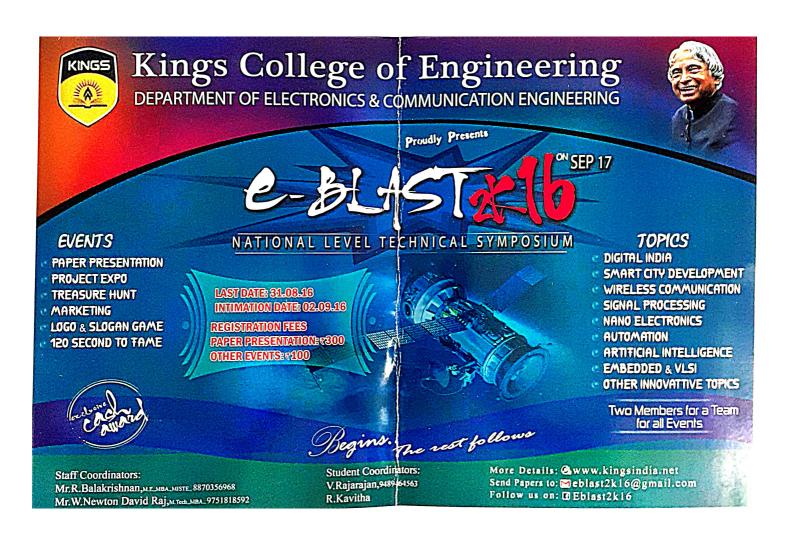
Dr.R. Vimalathithan, offering felicitations





Followed by keynote address, the papers were distributed to 2 oral sessions. Session-1 was conducted at Chera hall, Prof.T.Shanthi and Mrs.V.Filomin Joseena AP/ECE was the juries. And the session-2 was conducted at DSP lab, Mr.T.Jeyaseelan and Mrs.N.Mangayarkarasi was the juries.

After a tea break the valedictory session was started Dr.J.Arputha Vijaya Selvi HoD/ECE, delivered the summary of the National conference. Certificates were issued to the authors, those who were presented papers. Finally Mrs.N.Mangayarkarasi AP/ECE delivered the valedictory address and the session was end with National Anthem.









DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

REPORT

One Day
National level technical symposium
e BLAST 2K16

On 17/09/2016

Guest of Honour

Dr. S.P.Subramaniyan.

Deputy Controller of Patents & Designs and Head of Office, Chennai

Felicitations

Dr. P. Muthuchidambaranathan Associate Professor, NIT , Tiruchirapalli.

Coordinators

Mr.R.Balakrishnan, AP/ECE Mr.W.Newton David Raj, AP/ECE







DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING ACADEMIC YEAR 2016-2017 (ODD SEMESTER)

NATIONAL LEVEL TECHNICAL SYMPOSIUM (eBLAST2k16)

Date: 17/09/2016 Venue: AV Hall

REPORT

Department of Electronics & Communication Engineering of Kings College of Engineering, Punalkulam, organized National Level Technical Symposium, e-BLAST2k16, on 17.09.2016 (Saturday). The objective of the symposium is to share the technical knowledge among students of various Engineering colleges all over India. Dr. S.P. Subramaniyan, Deputy Controller of Patents & Designs and Head of Office, Patent Office, Chennai, was the Guest of Honour and delivered inaugural address. Dr.P.Muthuchidambaranathan, Associate Professor, National Institute of Technology, Tiruchirappalli, felicitated. 75 papers were received and 67 papers were selected for presentation after scrutinization. 54 students from various colleges participated and presented their papers pertaining to Electronics and Communication Engineering. 40 students participated in non-technical events. Final year student, Mr.V.Rajarajan, President, e-BLAST2k16, delivered the welcome address. Dr.J.Arputhavijayaselvi, Dean and HOD / ECE introduced the Guest T. Honour, Dr.S.P.Subramaniyan, and Prof. Shanthi, introduced Dr.P.Muthuchidambaranathan.



Welcome address delivered by Mr.V.Rajarajan, President of eBLAST2K16



Chief guest introduction was delivered by Dr.J.Arputhavijayaselvi, HOD of ECE





Honoring the guests by Dr.J.Arputhavijayaselvi, HOD/ECE, and Prof.T.Shanthi.

Citing the vision of Karikal Chozhan, who built the Grand Anicut, one of the oldest water-diversion / water-regulator structures in the world, Dr. A.P.J. Abdul Kalam's India vision 2020 and Shri. Narendra Modi's Clean India mission, Dr.S.P.Subramaniyan, stated that for industrial development innovations should be patented. Technology should not be borrowed and knowledge based innovations should be protected. Also, he pointed out that, 45,000 patent applications are filed in India every year. He also called for patenting incremental innovations.



Inaugural Address by Dr.S.P.Subramaniyan



Felicitation Address by Dr.P.Muthuchidambaranathan

Dr.P.Muthuchidambaranathan, in his address, explained Cellular concept and Multi-antenna techniques for wireless communication. He also briefed the fundamental concepts, propagation mechanism and remedial measures in wireless communication. e-BLAST2K16 Souvenir was released by Dr.S.P.Subramaniyam and received by Dr.P.Muthuchidambaranathan.



Souvenir released by Dr.S.B.Subramaniyam and received by Dr.P.Muthuchidambaranathan.

On this occasion, an Intradepartmental mini project expo was organized. Students exhibited their projects related to home automation, waste recycling and advancements in communication technology.



Dr.S.P.Subramaniyan and Dr. P. Muthuchidambaranathan, Guests of e-BLAST2K16, viewing the exhibits of the students

Final year student, Ms.R.Kavitha, Vice-president, e-BLAST2k16, delivered the Vote of Thanks. Finally, Mr.R.Balakrishnan and W.Newton David Raj, Coordinators of e-BLAST2K16, expressed thanks to the Management, CEO, Principal, Vice- Principal, Teaching and Non teaching staff members, students of ECE and the participants from various colleges for the grand success of e-BLAST2K16.



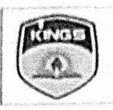
Prize and certificates distribution to the participants



Vote of thanks was delivered by R.Kavitha, vice-president of "e-BLAST 2k16



Symposium coordinator Mr. R.Balakrishnan, Asst. Prof, offerings thanks







DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ACADEMIC YEAR 2016-2017 ODD SEMESTER

REPORT

ON

INTRA DEPARTMENTAL PAPER PRESENTATION

DATE:12.09.2016



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING ACADEMIC YEAR 2016-2017 ODD SEMESTER

REPORT ON INTRA DEPARTMENTAL PAPER PRESENTATION

The Intra Departmental Paper Presentation for the Second and Third year students of our department was organized on 12.09.2016. The main objective of the event is to provide a platform for the junior students to expose their technical proficiency & presentation skills. Also the event is intended to get rid of their stage fear so that their self confidence is enhanced. The programme was inaugurated at 1.00 pm at Digital Laboratory by Dr.J.Arputha Vijaya Selvi, Dean/R&D, HOD/ECE. Mr.P.Rajapirian, AP/ECE & Mr.R.Sathyaraj, AP/ECE of our department delivered the Felicitation Address and acted as juries for the event.

The paper presentation title is "Emerging Trends in Electronics and Communication Engineering". The registrations were done in advance by the II & III year students and the papers were scrutinized.

A total nearing to 14 innovative ideas were acknowledged in various papers, on the themes like mobile communication, 3G, 4G, wireless communication from our department students.

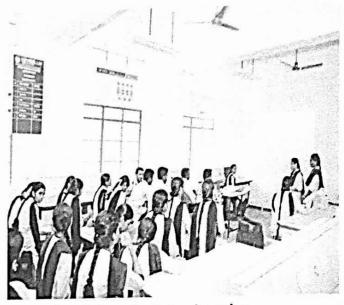
14 teams (28 students) enthusiastically participated in the event and presented their papers. The final year students Ms.A.Abinavi & Ms.S.Arthi, gave an informative session about guidelines for presenting a paper.



Team of Juries earnestly evaluating the presentations



Team of participants presenting their paper



Participants listening the presentation

The winners were encouraged with a cash prize for the event. Department feels proud to organize such a successful event and would like to convey thanks to the Principal and the Management for their guidance and support for organizing this programme successfully.

HOD / ECE







Approved by AICTE, Affiliated to Anna University, Accredited by NBA

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING (ACADEMIC YEAR 2016 – 2017 / ODD SEMESTER) INTRA DEPARTMENTAL PAPER PRESENTATION

DATE: 19.8.16

Report

The Intra Departmental Paper Presentation on "Recent Trends in Electronics & Communication Engineering" was intended to provide a platform for the interested students of III year and IV year students of ECE to expose their ideas and share their knowledge.

Totally 18 papers were received and 16 papers were shortlisted for presentation. 32 students participated and presented their papers covering various topics like Digital Image Processing, Biomedical, VLSI Technology and other emerging topics in the field of Electronics and Communication Engineering. Mrs. T. Shanthi, Assoc.Prof/ECE acted as jury to review the presentation of the partcipants based on their technical contents, social relevance and communication etc., In order to encourage the students participation prizes awarded in the department symposium.

STUDENTS ENTHUSIASTICALLY PRESENTING THEIR PAPER





STUDENTS DURING THE PRESENTATION

The HOD/ECE appreciated all the participants and coordinators for the successful conduct of the event.

J. Popului

HOD/ECE PRINCIPAL







DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING Academic Year 2016 – 17

Circular

Date: 21.07.2016

This to inform that the ECE department has arranged a seminar on the title "Embedded Real Time Operating System and its applications" for the final year ECE students on 29th July 2016. All the final year students have to attend the seminar to enrich their knowledge in embedded system.

Resource Person:

B. Jothi

CRG Engineer (Core Research Group) Prolific Systems & Technologies Pvt.

Chennai

Venue:

Pallava Hall

Time:

3.00p.m. - 4.30p.m.

Coordinators

(Mr.T.Jeyaseelan) (Mrs.P.Geethabai) HOD/ECE

(Dr.J.Arputha Vijaya Selvi)

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING Academic Year 2016 – 2017

REPORT

Seminar on - "Embedded Real Time Operating System and its applications"

Venue: Pallava Hall Date: 29.07.2016

Department of Electronics and Communication Engineering has organized a seminar on "Embedded Real Time Operating System and its applications" for the final year ECE students of strength 124 on 29.07.2016 (Friday) at Pallava Hall @10.30 a.m. Mr.T.Jeyaseelan AP/ECE and Mrs.P.Geethabai AP/ECE has coordinate this event.



The event coordinators Mr.T.Jeyaseelan and Mrs.P.Geethabai with the Resource person Mr.Jothi,CRG Engineer,PROLIFIC on the Dias

The event was started at 10.30a.m. with the welcome address delivered by Mrs.P.Geethabai AP/ECE, followed by the introducing and honoring of the Resource person by Mr.T.Jeyaseelan AP/ECE. Then the session was handed over to the resource person.



Mr.T.Jeyaseelan introducing the Resource Person



Mr.T.Jeyaseelan honoring the Resource Person



Mr.T.Jeyaseelan honoring the Resource Person with the memento

Mr. B. Jothi, CRG Engineer, PROLIFIC, Chennai was the Resource person. He delivered lecture on microprocessor and microcontroller and their differences, on embedded system, on recent protocols in real time applications and their usages.



The Resource person Mr.Jothi on delivering the lecture

The session was very interacting and interesting for the students. The session came to an end at 12.30p.m. with the feedback delivered by the students.



Final year ECE students at the seminar

The event ended with the delivery of vote of thanks by Mrs.P.Geethabai,AP/ECE, Thanking the Management, Principal, Accounts Officer, Dean R&D/HOD-ECE for granting permission to conduct this event and providing SFRDS.

Coordinators

(Mr. T. Injascolan)

Ato. P. Geotrami



PROFILE

Name .	B. Jothi			
Designation	CRG Engineer (Core Research Group)			
Organization	Prolific System's & Technologies Pvt. Ltd.,			
Location	Chennai			
Educational Profile	Master of Science M.Sc., - Electronics			
Career Profile	 ♦ Working as Sr. Core Research Group Engineer in M/s. PROLIFIC SYSTEMS & TECH. PVT. LTD., Chennai, for the past 6 years. ♦ Conducted various training programs related to Embedded Systems, MATLAB, PCB Designing etc, to Engineering Graduates / Diploma Holders in various Colleges across South India. ♦ Proficient in f. EMB C, Micro Controllers g. Matlab, PCB Designing h. Robotics, Serial Buses i. ARM, PIC, Emb Linux j. RTOS 			







DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ACADEMIC YEAR 2016-2017 (ODD SEMESTER)

RECEIPT

Ref: KCE/ECE/HOD/SFRDS/2016-2017 /ODD/02

29/7/2016

Received with thanks a Sum of Two Thousand Five Hundred Rupees (Rs 2500/- only) towards remuneration for presenting a seminar on "EMBEDDED RTOS and its Applications" on 29.07.2016 to the Final year ECE students (124 students) organized by Department of Electronics and Communication Engineering, Kings College of Engineering, Punalkulam, Thanjavur.

Resource Person

B. Jothi
CRG Engineer (Core Research Group)
Prolific Systems & Technologies Pvt. Ltd.,
Chennai

Dr. J.Arputha Vijaya Selvi, M.E., Ph.D., Dean R&D, HOD/ ECE, Kings College of Engineering Thanjayur – 613 303.

29.07.2016

To

B. Jothi

CRG Engineer (Core Research Group)

Prolific Systems & Technologies Pvt. Ltd.,

Chennai

Dear Sir,

On behalf of our Management, Principal, Faculty and students of ECE, we express our sincere thanks for your Lecture on "Embedded Real Time Operating System and its applications" delivered to the final year ECE students on 29.07.2016 in our Department. Your Lecture was valuable and useful to our students to explore their knowledge in Embedded System.

Thank you,

Regards,

Dr. J.Arputha Vijay Selvi.

Dean R&D, HOD/ ECE

Dr. J. Asputha Vijaya Selvi, B.E., M.E., Ph.D.,

DE/ F - Project Engineering, Kings Cutton, Gard arvakkettai Tk, Punalkulam, Gard arvakkettai Tk, Pudukkettai District - 913 303, Tamjinadu.







ISTE-STUDENT CHAPTER (TN 217)

Paper Presentation Report

1. Name of the Event

Paper Presentation

2. Topics

(1) Recent Trends in Advanced Communication

(2) Biomedical Applications

(3) Special Gadgets

3. Date & Time

: 27.07.2016 & 2.00pm - 3.30pm

4. Venue

: Pallava Hall, Kings College of Engineering

5. Level of the Event

Students

6. Name of the Organizer

Mrs.T. Gnanajeya

Coordinator - ISTE STUDENT CHAPTER

7. Organized for

ISTE Student Members of ECE Department

Skill development & Knowledge Sharing

8. Number of Participants

: 10(6 Teams)

9. Purpose

10. Event Photos

: Annexure – lA

11. Attendance Sheet & Score sheet

Annexure – IB

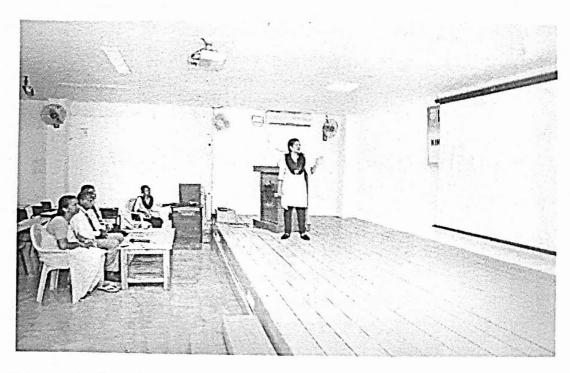
12. Prize winners

Annexure - IC

COORDINATOR

PRINCIPAL

Annexure - IA Paper presentation held on 27.07.2016



Participant actively present the paper - ISTE Student Chapter Coordinator & Jury observe the presentation







ISTE STUDENT CHAPTER (TN 217) PAPER PRESENTATION ON 27.07.16 AT PALLAVA HALL

ATTENDANCE SHEET TIME: 2.00 PM to 3.30 PM YEAR / CLASS S.NO NAME OF THE STUDENTS **SIGNATURE** L. Mowli I JECE A 1. k. Jai Bhree Abinaya. M II / ECE 2. Jana Je. k br. Abinaya III / ECE 3. p. Sagundhala denº A Aravind Armstrong 1 /ECE 4. A. Parichardran N. Aravind 5. m /fcE M. Arovinth R. Shanmuga Priya I / ECE B' 6. 7. 8. 9. 10. 11. 12. 13. 14. 15.

DEPT ISTE CO-ORDINATOR

ISTE CO-ORDINATOR



KINGS



ISTE STUDENT CHAPTER (TN 217) PAPER PRESENTATION ON 27.07.16 AT PALLAVA HALL

MARK SPLIT-UP

TIME: 2.00 PM to 3.30 PM

S.NO	NAME OF THE STUDENTS	YEAR / CLASS	AIM (5)	CONTENT (5)	PRESENT ATION (5)	VIVA (5)	TOTAL (20)	REMARKS
1.	L. MOWLI K. JAISHREE	II ECE	3	4	4	3	(I) II	Bromodera Application
2.	M. ABINAYA	[[] Ect	3	2.	3	3	11	GI-FI Advanced Communi
3.	G ABINAYA P.SAGUNDHALA DEVI	III ECE	3	2	3	3	11	Recent too win folly. Communi
4.	A. ARAVIND ARMSTRON A. RAVICHANDRAN	ECE PO	3	2	3	4		561 com
5.	M. ARAVINTH.	ECE ECE	4	2	3	2	11	Special Garlgat Recent 1
6.	R. SHANMUGA PRIYA	ECE B	H	5	4	4	(I) I	Recent to in Advan
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DEPT ISTE CO-ORDINATOR

ISTE CO-ORDINATOR 16







ISTE-STUDENT CHAPTER (TN 217)

PARER PRESENTATION ON 27.07.2016 - PRIZE WINNERS

Annexure - IC

		1
PRIZES	CLASS	NAME OF THE STUDENT
FIRST	II ECE B	R. SHANMUGA PRIYA
SECOND	II ECE A	L. MOWLI
		K. JAISHREE
THIRD	III ECE	A. ARAVIND ARMSTRONG
		A. RAVICHANDRAN

Coordinator 28 716
ISTE Student Chapter

PRINCIPAL







ISTE-STUDENT CHAPTER (TN 217)

Crossword Report

1. Name of the Event : Crossword

2. Date & Time : 22.02.2017 & 3.00pm – 4.00pm

3. Venue : Hall No 129, Kings College of Engineering

4. Level of the Event : Students

5. Name of the Organizer : Mrs.T. Gnanajeya

Coordinator – ISTE STUDENT CHAPTER

6. Organized for : ISTE Student Members of ECE

Department

7. Number of Participants : 34 (17 Teams)

8. Purpose : To strengthen basics through activities

9. Event Photos : Annexure – IA

10. Attendance Sheet & Score sheet : Annexure – IB

11. Prize winners : Annexure – IC

Coordinator ISTE Student Chapter PRINCIPAL

Crossword held on 22.02.2017



Participants actively solving Crossword



ISTE Student Chapter Coordinator observe the performance







ISTE-STUDENT CHAPTER (TN 217) Crossword on 22.02.2017 – PRIZE WINNERS

PRIZES	CLASS	NAME OF THE STUDENT
FIRST	III ECE	S. DEVAYANI
		S.PRIYADHARSHINI
SECOND	II ECE A	L.MOWLI
		K.JAISHREE
THIRD	III ECE	K.KIRUTHIKA
		N.ABENAYAVARSHANDENI

7.) The sales

Coordinator ISTE Student Chapter PRINCIPAL