



## Department of Electrical and Electronics Engineering

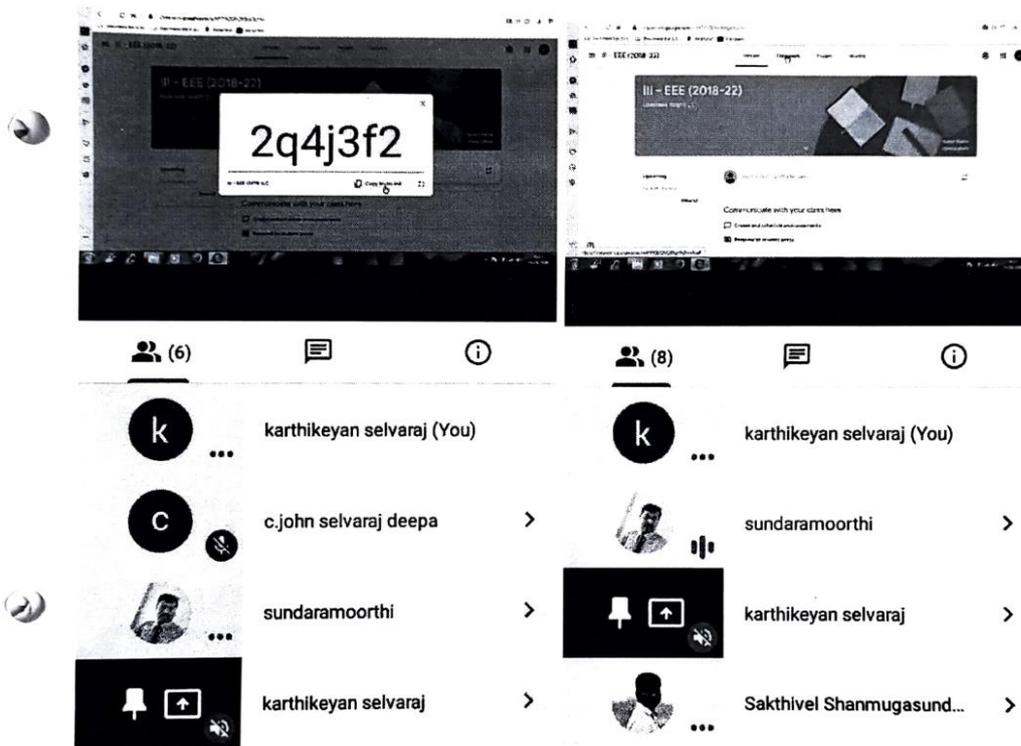
6.3.3 Average number of professional development /administrative training programs organized by the institution for teaching staff during the last five years

Academic Year	Date	Event Details	Page No.
2020-21	15.09.2020	Internal Seminar on "Google Classroom"	1
	22.10.2020	Webinar on "Building Internet of Things using Raspberry Pi"	4
	08.12.2020	Internal Seminar on "BT Level"	11
	11.12.2020	Internal Seminar on "PO PSO Mapping"	13
	12.04.2021	National Conference On "Flourishing Areas In Electrical and Electronics Engineering" (NACOFEE'21) in Virtual Mode	17
	29.04.2021	Internal Seminar on "Curriculum Enrichment"	26
	04.05.2021	Webinar on "DIGITAL MARKETING"	28
	15.09.2021	Internal Webinar on "A Gravity Based Power Generator"	31
2019-20	01.11.2019 -02.11.2019	FDP on "Research Issues and Solutions in Sustainable Energy Conversion and Renewable Energy Sources"	34
	13.03.2020	National Conference on Emerging Trends in Computing, Control and Communication Technology	40
	29.04.2020	FDP on "Spoken Tutorial on LaTeX"	49
	04.05.2020	FDP on "Spoken Tutorial on eSim"	
	15.05.2020	Webinar on "Optimization techniques"	53
	19.06.2020	Webinar on "Design of Overhead Transmission Lines"	62
	23.06.2020	Webinar on "Sentiment Analysis"	66
	25.06.2020	Webinar on - "Testing & Maintenance of Power Transformer"	70
	13.07.2020 - 17.07.2020	5-Days FDP on "Recent Advancements & Technologies in Electrical Engineering - A Research Perspective"	78
	17.07.2020 - 18.07.2020	2 Days webinar on "Design Procedures for Patent & IT Industry Revolution"	92
2018-19	28.06.18	FDP titled "Spoken Tutorial Workshop on "SCILAB" in association with IIT, Bombay sponsored by MHRD organized by KCE	94
	15.03.19	National Conference On "Flourishing Areas In Electrical and Electronics Engineering" (NACOFEE'19)	97
2017-18	24.08.2017	Workshop on "Soft Computing Techniques for Renewable Energy sources"	110
	27.09.2017	Seminar on "Smart Grid-Future Electric Grid"	119
	19.03.18	National Conference On "Flourishing Areas In Electrical and Electronics Engineering" (NACOFEE'18)	136
2016-17	4.3.2017	Workshop on "Inverterless Solar Energy based Microgrid Systems"	146
	28.12.16	National Conference On "Flourishing Areas In Electrical and Electronics Engineering" (NACOFEE'17)	157



**Department of Electrical & Electronics Engineering  
Academic year 2020-21 (ODD)  
Internal staff Webinar Report – Google Classroom**

**Date : 15.09.2020 through Google Meet.**



Google classroom usage was discussed with the staff members of Department of Electrical & Electronics Engineering on 15/09/2020. Some of the salient features of Google Classroom were discussed in the meeting.

1. Google Classroom is easy to use. Compared to other LMS (Learning Management Systems) that have been popular over the past decade, Google Classroom is amazingly simple.

2. Google Classroom helps to communicate more efficiently. Enter the email addresses of the students just once, and classroom communication is done. Just by entering the student in the classroom, the teacher has an email group, a discussion group, and a Google Calendar automatically created. And it's easy to add and remove students from the class as necessary.
3. Google Classroom helps you to communicate more effectively. Probably more important than being easy to use and efficient, the communication tools are also very effective. Because it is all Cloud-based, there is no more "losing" of assignments by students. If a student is absent, communication is seamless. Just last month, Google Classroom added a parent notification feature to keep parents informed about what is going on in the "classroom."
4. Google Classroom is more cost-effective and better for the environment. If every student has a device that connects to the Internet already, every sheet of paper that we save only makes the school more efficient and more environmentally responsible.

S. A. Bhatnagar  
Dept IQAC Member 14/12/20

A. Alamm  
15/12/20  
HOD/EEE

  
VP

S. M. M. M.  
Principal 15/12/2020



**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING  
ACADEMIC YEAR 2020-21(ODD)**

Internal Seminar on “**Google Classroom**” on 15.09.2020

**List of Participants**

<b>S.No</b>	<b>Faculty Name</b>
1.	Dr.A.Albert Martin Ruban
2.	Mr.R.Sundaramoorthi
3.	Ms.N.Rajeswari
4.	Mr.J.Arokiaraj
5.	Mr.S.Sakthivel
6.	Ms.N.Arulmozhi
7.	Mr.C.John Selvaraj
8.	Dr.M.Meenalochani

A handwritten signature in blue ink, appearing to read 'A. Albert Martin Ruban', is written over a light gray rectangular background.

**HOD/EEE**

# Webinar on Building Internet of Things using Raspberry PI Organized by

Department of Electrical and Electronics Engineering  
and  
Research and Development Section



Dr. R. Sriranjani  
Assistant Professor  
School of EEE  
SASTRA University,  
Thanjavur

For registration:

<https://forms.gle/tfDfaVNqo5FgBYgm6>

Date: 22.10.2020

Time: 10 A.M - 11 A.M

## Coordinators

Dr.M.Meenalochani , AP/EEE  
Mrs.N.Rajeswari, AP/EEE

## R&D Co-ordinator

Dr.P.P.Shantharaman

## Convenor

Dr.A.Albert Martin Ruban

## Principal

Dr.J.Arputha Vijaya Selvi

## Target Audience:

Students, Research scholars and faculty from ECE, EEE and CSE

No registration fee

E-certificate will be provided to participants



**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING  
AND  
RESEARCH AND DEVELOPMENT SECTION**

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**WEBINAR REPORT**

The department of Electrical and Electronics Engineering in association with Research and Development section has organized a national webinar on '**Building Internet of Things using Raspberry Pi**' on 22<sup>nd</sup> October, 2020.

**Beneficiaries** : Students, Research scholars and Faculty from ECE,EEE and CSE  
**Session** : 10 A.M to 11.A.M  
**Venue** : Online (Google meet)  
**Resource Person** : Dr.R.Sriranjani  
Assistant Professor /EEE  
SASTRA University, Thanjavur

The objective of this webinar is to impart in depth knowledge on Internet of Things design using raspberry Pi. Dr. M. Meenalochani, Assistant Professor/ Department of EEE, Kings College of Engineering welcomed the participants and introduced the Resource person. The resource person has given the lecture on "**Building Internet of Things using Raspberry Pi**". In this lecture, she introduced the concepts of Internet of things. She explored the hardware details and working of Raspberry Pi with sensors. She also provided a virtual demonstration of uploading the program and its execution in Raspberry Pi. In this webinar, 75 participants registered from various Institutions all over India. Vote of thanks was given by Mrs. N.Rajeswari, Assistant Professor/ Department of EEE, Kings College of Engineering. Participants had their queries answered by the resource person at the end of the session. All the attended participants gave their valuable feed back after the webinar session and E-certificate has been sent to them through email. The webinar brochure, copy of certificate for participants, list of participants and feedback analyses are given below.

### Webinar Brochure

**IEEE** STB16621

**KINGS** COLLEGE OF ENGINEERING  
NAAC Accredited Institute, Recognized under 2010 & 12081 Act of UGC  
Approved by AICTE, New Delhi (Affiliated to Anna University, Chennai)  
Punakulam, Near Thanjavur, Pudukkottai Dt. - 613 303

**Webinar on**  
**Building Internet of Things using Raspberry PI**  
Organized by  
Department of Electrical and Electronics Engineering  
and  
Research and Development Section



**Dr. R. Srikanth**  
Assistant Professor  
School of EEE  
SASTHA University,  
Thanjavur

For registration:  
<https://forms.gle/tDfaVNqo5EgBYgm6>

Date: 22.10.2020

Time: 10 A.M - 11 A.M

<b>Coordinators</b> Dr.M.Meenalochani, AP/EEE Mrs.N.Rajeswari, AP/EEE	<b>R&amp;D Co-ordinator</b> Dr.P.P.Shantharaman	<b>Convenor</b> Dr.A.Albert Martin Ruban	<b>Principal</b> Dr.J.Arputha Vijaya Selvi
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**Target Audience:**  
Students, Research scholars and faculty from ECE, EEE and CSE

**No registration fee**  
E-certificate will be provided to participants

### Sample Certificate

**IEEE** STB16621

**KINGS** COLLEGE OF ENGINEERING  
NAAC Accredited Institute, Recognized under 2010 & 12081 Act of UGC  
Approved by AICTE, New Delhi (Affiliated to Anna University, Chennai)  
Punakulam, Near Thanjavur, Pudukkottai Dt. - 613 303

**CERT** ISO 9001

**CERTIFICATE OF PARTICIPATION** BFWMFU-CE000071

This is to certify that Dr. Ankur Rai  
Assistant Professor of Invertis University  
has actively participated in the webinar on **“Building Internet of Things using Raspberry PI”** Organized by Department of Electrical & Electronics Engineering and Research & Development Section, Kings College of Engineering, Punakulam, on 22.10.2020.

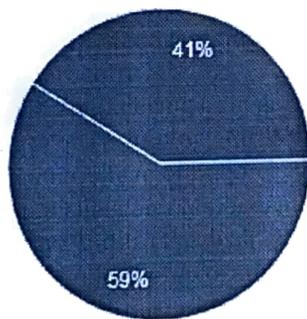
<b>Dr.M.Meenalochani</b> <b>Mrs.N.Rajeswari</b> Coordinators	<b>Dr.P.P.Shantharaman</b> R&D Co-ordinator	<b>Dr.A.Albert Martin Ruban</b> Convenor	<b>Dr.J.Arputha Vijaya Selvi</b> Principal
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E-Certificate- Signature not required

### List of Participants

S.No	Name of the Institution	No. of Participants
1	R.M.D Engineering College, Chennai	4
2	Kalasalingam Institute Of Technology, Madurai	3
3	APCOER, Pune	3
4	SRM Institute Of Science And Technology, Chennai	4
5	Lady Doak College, Madurai	2
6	Dhanalakshmi college of Engineering, Chennai	4
7	Nehru Institute of Technology, Coimbatore	2
8	PSCMR College of Engineering and Technology, Andhra Pradesh	2
9	Bharath Institute of Higher Education and Research, Chennai	3
10	National Institute of Nutrition, Hyderabad	2
11	Aryabhata Knowledge University, Patna	2
12	St. Joseph's College of Engineering, Chennai	3
13	Aarupadai Veedu Institute Of Technology, Chennai	4
14	Srm Ist Ramapuram Campus, Chennai	4
15	Thakur Institute of Management Studies, Career Development & Research, Maharashtra	2
16	V R Siddhartha Engineering College, Andhra Pradesh	1
17	Vijaya Institute of Technology for Women, Andhra Pradesh	2
18	C.Abdul Hakeem College of Engineering and Technology, Vellore	3
19	Potti Sri ramulu chalavadi Mallikarjuna Rao college of Engineering and Technology, Andhra Pradesh	2
20	Adhiparasakthi College of Arts and science, Melmaruvathur	2
21	Invertis University, Uttar Pradesh	1
22	Kings College of Engineering, Punalkulam	20

### Details of Participants



- Faculty
- Student
- Technical Staff

## Sample feedback from Participants

### Feedback/Suggestions

75 responses

very useful

Session was nicely organized.

Good work really great. Also like to receive the materials of training if possible. Thanks.

Nice presentation and useful message

Very informative and useful session.

Nothing

Very nice

Very good

GOOD SESSION

**Coordinators**

Dr.M.Meenalochani  
Mrs.N.Rajeswari

**R&D Coordinator**

Dr.P.P.Shantharaman

**Convenor**

Dr.A.Albert Martin Ruban

**Principal**

Dr.J.Arputha Vijaya Selvi

Timestamp	Email address	Name of the Participant (f Designation	Name of the Institute/ Organization	Whatsapp/ Contact Num	Feedback/Suggestions	Email Address	Score
10/20/2020 16:10:16		Mrs.N.Rajeswari Assistant Professor	Kings College of Engineering	9486239336	useful sessions	rajeswarikings@gmail.com	
10/20/2020 16:18:13		Mrs.N.Rajeswari Assistant Professor	Kings College of Engineering	9486239336	very useful	rajeswarikings@gmail.com	
10/20/2020 16:32:09		Mrs.N.Rajeswari Assistant Professor	Kings College of Engineering	9486239336	excellent	rajeswarikings@gmail.com	
10/20/2020 16:46:43		Ms.N.Rajeswari Assistant Professor	Kings College of Engineering	9486239336	good	rajeswarikings@gmail.com	
10/20/2020 16:49:13		Dr.M.Meenalochani Assistant Professor	Kings college of Engineering	09629891123	NIL	meenalochani79@gmail.com	
10/22/2020 10:57:16		Dr.S.Shalini Assistant Professor	R.M.D Engineering College	+919962110807	Very informative and useful session.	shalini.snh@rmd.ac.in	
10/22/2020 10:57:43		Mahesh M S Assistant professor	Kalasalingam institute of technology	9787004165	Nice presentation	maheshmskit@gmail.com	
10/22/2020 10:58:06		AMIT KADAM Assistant Professor	APCOER, Pune	9730012424	Nice informative Session	kadamamit1811@gmail.com	
10/22/2020 10:58:10		Mr.G.RAMANATHAN Research scholar	Srm institute of science and technology	09944957561	Nil	ram24288@gmail.com	
10/22/2020 10:58:11		Ms.M.Annai Theresa Student	Lady doak college,Madurai	7092803999	Very informative session. Please arrange like these session again.	18PGPE03@dc.edu.in	
10/22/2020 10:58:35		Mr. J. AROKIARAJ Assistant Professor	Kings College of Engineering	9786779591	Very useful for us.	jasonjraj@kingsindia.net	
10/22/2020 10:58:45		Ms.S.Tamizharasi Student	Dhanalakshmi college of engineering	9445105919	Very nice	tamizharasi.sai@gmail.com	
10/22/2020 10:58:47		Ms J. Catherin Student	Lady Doak College	9043889707	Very illustrative webinar	18pge06@dc.edu.in	
10/22/2020 10:59:10		Mr.J.Vinoth Research Scholar	SRM Institute of Science and Technology	9952109534	Good session	elangovinoth@gmail.com	
10/22/2020 10:59:37		Mr.Umamaheshwaran B Student	Dhanalakshmi College of Engineering	7397440025	It was good to implement through MATLAB	umamahesh99.k@gmail.com	
10/22/2020 11:00:28		Mr.G.Vineel Student	DHANALAKSHMI COLLEGE OF ENGINEERING	9840683083	good	vineel.gj@gmail.com	
10/22/2020 11:00:42		Mrs M. JEBAKUMARI ASSOCIATE PROFESSOR	NEHRU INSTITUTE OF TECHNOLOGY	+919442488729	Nice practical session	jeb1967@gmail.com	
10/22/2020 11:02:24		Prof SUDHAKAR KATTUI Professor	PSCMR College of Engineering and Technology	9010503595	Good work really great. Also like to receive the materials of training if possible.	sudhantech@gmail.com	
10/22/2020 11:03:13		Prof B HANUMANTHA R/ Professor	PSCMR College of Engineering and Technology	8801353951	Good work	bhr@pscmr.ac.in	
10/22/2020 11:03:25		Ms.R.Vinodhini Assistant Professor	Bharath Institute of Higher Education and Research	9176571537	informative	vinodhiniravi44@gmail.com	
10/22/2020 11:03:45		Dr N PALLAVI Professor	NIN Hyderabad	9573654223	Explanation is very nice	namburi.pallavi@gmail.com	
10/22/2020 11:04:57		SHASHANK BHUSHAN I M.Tech Research Scholar	ARYABHATA KNOWLEDGE UNIVERSITY, PATNA	7004836407	It was very informative program.	shashank.aasit@gmail.com	
10/22/2020 11:05:16		Prof V SOWJANYA Professor	PSCMR College of Engineering and Technology	88857 35259	Software can be downloadable?	sowjanvay@pscmr.ac.in	
10/22/2020 11:05:45		Dr. L. Sheryl Puspha Ann Professor	St. Joseph's College of Engineering, Chennai	9952035432	Very Good Session	lsherylannabel@gmail.com	
10/22/2020 11:08:59		Ms.R.MOHANA PRIYA ASSISTANT PROFESSOR	AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY	9940027070	Very informative session	mohanapriya@avit.ac.in	
10/22/2020 11:10:24		Mrs. S. SURIYA Assistant Professor	SRM IST RAMAPURAM CAMPUS	9944886067	Good	sssuriya54@gmail.com	
10/22/2020 11:11:01		Mr. S. Ramarajan Assistant Professor	Kings College of Engineering	9994705203	Nice presentation and useful message	ramarajan@kingsindia.net	
10/22/2020 11:11:39		Dr.K.Arthi Associate Professor	SRM Institute of Science and Technology	9444502625	very informative	arthimanivasakam@gmail.com	
10/22/2020 11:11:47		B SARATH CHANDRA ASSISTANT PROFESSOR	PSCMR COLLEGE OF ENGG & TECH	998567369	GOOD SESSION	sarathit862@gmail.com	
10/22/2020 11:12:09		Shanmugam D.B. Assistant Professor	SRM IST Ramapuram Campus Chennai	09894353707	Nice	dbshanmugam@gmail.com	
10/22/2020 11:12:27		Dr.N.vijayalakshmi Assistant professor	SRMIST	9941202829	Once and informative session	vijnatarajan23@gmail.com	
10/22/2020 11:12:35		Mrs.SAI PALLAVI AKKISE ASSISTANT PROFESSOR	PSCMR COLLEGE OF ENGINEERING AND TECHNOLOGY	9494506768	GOOD	saipallavi@pscmr.ac.in	
10/22/2020 11:12:59		Dr T SHANTHI Associate professor	Kings college of engineering	9443250129	Good	shanthit12@gmail.com	
10/22/2020 11:13:07		Mr Mohammad Haji Ali Assistant professor	PSCMR college of engineering and technology	9030793019	Over all Good	hajiail@pscmr.ac.in	
10/22/2020 11:14:12		Sindhu S Assistant Professor	SRM IST	7200702227	Nice	sindhuh89@gmail.com	
10/22/2020 11:14:26		Ms. Megha Mudholkar Assistant Professor	Thakur Institute of Management Studies, Career De	9220703083	Session was nicely organized.	meghakunte2000@gmail.com	
10/22/2020 11:14:40		Mrs M. DIVYA Asst professor	SRM IST	9944589575	Good	divyamathavan3@gmail.com	
10/22/2020 11:15:35		Ms J Anusha Assistant professor	PSCMRCET	9490686826	Good	chinnu.anu19@gmail.com	
10/22/2020 11:15:46		Siva D Assistant Professor	SRMIST	8778664414	Nice	d.siva885@gmail.com	
10/22/2020 11:17:04		Shyamala Devi J AP	SRMIST	09884097665	Worthful session	shyamaladevi@gmail.com	
10/22/2020 11:17:36		Mr. Pankaj Mudholkar Assistant Professor	Thakur Institute of Management Studies, Career De	9324600672	Very good session.	mudholkarpankaj@gmail.com	
10/22/2020 11:17:51		Prof SUDHAKAR KATTUI Professor	PSCMR College of Engineering and Technology	09010503595	Good work	ksudhakar@pscmr.ac.in	
10/22/2020 11:18:03		R.DurgaBhavani Assistant Professor	PSCMRCET	8341579384	Excellent	r.d.bhavani7@gmail.com	
10/22/2020 11:20:36		Ms. B. Lakshmi Assistant Professor	V R Siddhartha Engineering College	9985061308	Useful	blakshmi@vrsiddhartha.ac.in	
10/22/2020 11:22:42		Mrs.Mary Grace Madhuri Associate professor	PSCMRCET	7207893138	Good	mgmadhuri@pscmr.ac.in	
10/22/2020 11:23:12		Mrs. Mohammad Bushra Assistant professor	Vijaya Institute of Technology for Women	9491961580	Good	bushramohammad561@gmail.com	
10/22/2020 11:23:59		Mrs. Mary Grace Madhuri Associate professor	PSCMRCET	7207893138	Excellent	mgmadhuri@pscmr.ac.in	
10/22/2020 11:24:56		A Vignesh Asst Professor	Srm Institute of Science and Technology	9976953801	Excellent	vigneshraaj87@gmail.com	
10/22/2020 11:29:50		A.Chandramouli Assistant professor	Pscmrct	9440659029	Nil	achandramouli@pscmr.ac.in	
10/22/2020 11:31:02		Ferozkhan A.B Assisstant Professor	C.Abdul Hakeem College of Engineering and Techn	+918608908350	Good	abferozkhan@gmail.com	
10/22/2020 11:31:31		MR.R.JAIGANESH Assistant professor	K	K.Ramakrishnan college	Good	jaiganesh.ram@gmail.com	
10/22/2020 11:32:40		Lakshmi Prasanna Mak Assistant professor	Vijaya institute of technology for women	9705807420	Nothing	makkapatiprasanna@gmail.com	
10/22/2020 11:33:46		Ferozkhan A.B Research Scholar	C.ABDUL HAKEEM COLLEGE OF ENGINEERING	8608907350	Gud	ferozkhan.mca@cahctet.edu.in	
10/22/2020 11:36:32		MARREDDY NAGA SABI Assistant professor	Potti Sri ramulu chalayadi Mallikarjuna Rao college	7337399950	Good	sabarimarreddy88@gmail.com	
10/22/2020 11:37:33		Dr.G.Anandharaj HoD/CS Assisstant Professor	Adhiparasakthi College of Arts and science	122	Gud	fero.fakha@gmail.com	
10/22/2020 11:39:46		Dr Suchithra M Associate Professor in CS	SRM Institute of Science and Technology	9840775825	Good. Course Material and Video recording can be shared.	suchi2480@gmail.com	
10/22/2020 11:44:41		Navya sree vangala Associate professor	Pottisriramulu college of engineering and technolo	9395568686	Good session	navya.sree@pscmr.ac.in	
10/22/2020 11:44:57		PONNI R Assistant Professor	Kings college of Engg	09943325183	Good	ponni_me@kingsindia.net	
10/22/2020 11:44:58		SIVASANKARI.A ASSISTANT PROFESSOR	SHANMUGA INDUSTRIES ARTS AND SCIENCE C	9486878913	Good	sivasankaridkm@gmail.com	

Timestamp	Email address	Name of the Participant (f Designation	Name of the Institute/ Organization	Whatsapp/ Contact Num	Feedback/Suggestions	Email Address	Score
10/22/2020 11:45:16		K sundar SRINIVAS Assistant professor	Pscmrct	9966640503	No	kss@pscmr.ac.in	
10/22/2020 11:45:57		Mr.R.Sathyaraj AP/ECE	KINGS COLLEGE OF ENGINEERING	8870607081	Excellent	sathyaraj@kingsindia.net	
10/22/2020 11:47:10		NEWTON DAVID RAJ.W Assistant Professor	Kings College of Engineering,Punalkulam	9751818592	Good	newton.davidraj1@gmail.com	
10/22/2020 11:48:36		Mrs. D. VENNILA Assistant Professor	Kings College of Engineering, Punalkulam	9944958661	Nice session	vennilaece05@gmail.com	
10/22/2020 11:51:37		Mr N KRISHNAMOORTH ASSISTANT PROFESSOR	SRM INSTITUTE OF SCIENCE AND TECHNOLOG	9443835706	excellent	krishnamoorthy72srm@gmail.com	
10/22/2020 12:07:41		Miss Shalini Tammana Assistant professor	Vijaya Institute of Technology For women	9966753260	Good	shalinitammana09@gmail.com	
10/22/2020 12:11:30		SAJJA KRISHNA KISHOF Assistant Professor	PRASAD V. POTLURI SIDDHARTHA INSTITUTE C	9247130366	Excellent	skkishore@pvpsiddhartha.ac.in	
10/22/2020 12:12:06		Ms MOUNIKA NEELAM Assistant Professor	PSCMR College of Engineering and Technology	7207540562	Nice	mounikaecpscmrct@gmail.com	
10/22/2020 12:20:07		Ms MOUNIKA NEELAM Assistant Professor	PSCMR College of Engineering and Technology	7207540562	Nice	mounikaecpscmrct@gmail.com	
10/22/2020 12:21:25		Mr.U.Udayakumar Assistant Professor	SRM INSTITUTE OF SCIENCE AND TECHNOLOG	9791113940	Very good	udaya.vijay13@gmail.com	
10/22/2020 12:21:39		Dr. Ankur Rai Assistant Professor	Invertis University	7217011281	please organize it again.	ankur.r@invertis.org	
10/22/2020 12:24:27		DUKKA GOWTHAMI ASSISTANT PROFESSOR	PSCMRCET,VIJAYAWADA	9100195453	GOOD	dgowthami@pscmr.ac.in	
10/22/2020 12:26:29		Ms. Harshini Manoharan Assistant professor	SRM University	9791753131	Excellent	harshimanohar@gmail.com	
10/22/2020 12:30:44		Mrs. N. MANGAIYARKAR Assistant professor	Kings College of engineering	7708729772	Excellent	applevr9@gmail.com	
10/22/2020 12:35:33		Ms. Harshini Manoharan Assistant Professor	SRM INSTITUTE OF SCIENCE AND TECHNOLOG	9791753131	Excellent	harshimanohar@gmail.com	
10/22/2020 13:44:56		Mr. S. R. KARTHIKEYAN ASSISTANT PROFESSOR	KINGS COLLEGE OF ENGINEERING	9790469427	Good	kceeesrkfd@gmail.com	

**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**  
**ACADEMIC YEAR 2020-21 / EVEN SEMESTER**  
**BT level seminar Report**

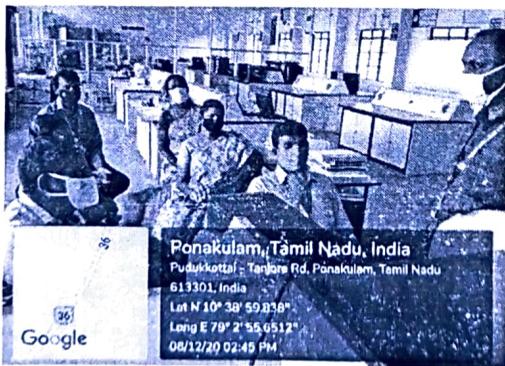
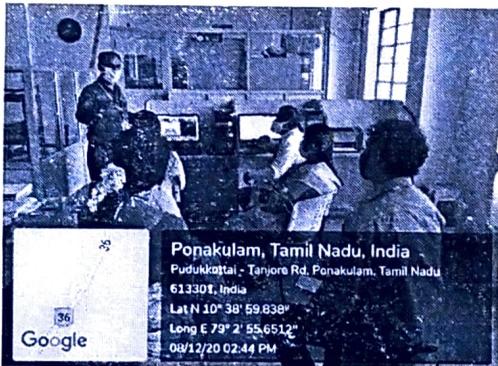
Date & Venue: 08/12/2020, Hall no.111

Presented by: Mr.S.R.Karthikeyan, AP/EEE

On Behalf of Department of Electrical & Electronics Engineering, Mr.S.R.Karthikeyan, AP/EEE has presented a seminar on “**Bloom’s Taxonomy Level**” with the staff members of Department of Electrical & Electronics Engineering.

In this meeting, the following points have been discussed:

- Explanation about various BT levels and their applications.
- A brief introduction to level 5 and level 6 and discussed the importance.
- Explanation about action words under various levels.
- Enlisted similarity among few words repeated in BT levels (example: ‘choose’ – This word repeats in two levels L5 and L6, but the levels vary).
- Insisted the faculty members to frame a question paper that covers all BT levels from L1 to L6.
- Instructed the faculty members to frame the question paper with proper % in BT level



*Snapshots from seminar sessions*

S. R. Karthikeyan  
 Dept IQAC Member 12/12/20

S. R. Karthikeyan  
 HOD/EEE 12/12/20 VP

S. R. Karthikeyan  
 24/12/2020  
 Principal



**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING  
ACADEMIC YEAR 2020-2021 (ODD SEMESTER)**

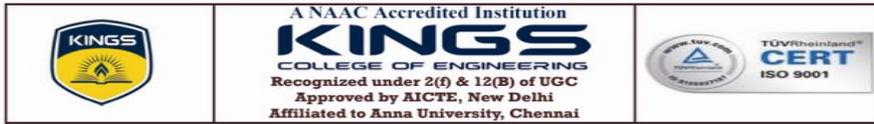
**Internal Faculty Seminar on “Bloom’s Taxonomy”**

**List of Participants**

<b>S.No</b>	<b>Faculty Name</b>
1.	Dr.A.Albert Martin Ruban
2.	Mr.R.Sundaramoorthi
3.	Mrs.N.Rajeswari
4.	Mr.J.Arokiaraj
5.	Mr.S.Sakthivel
6.	Mrs.N.Arulmozhi
7.	Mr.C.JohnSelvaraj
8.	Dr. M.Meenalochani

A handwritten signature in blue ink, appearing to be 'A. Albert Martin Ruban', written over a light blue horizontal line.

**HOD/EEE**



## DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

ACADEMIC YEAR 2020-21 / ODD SEMESTER

### PO, PSO mapping and Process Report

**Date & Venue:** 21/11/2020, PALLAVA HALL

**Name of the Event:** Review meeting

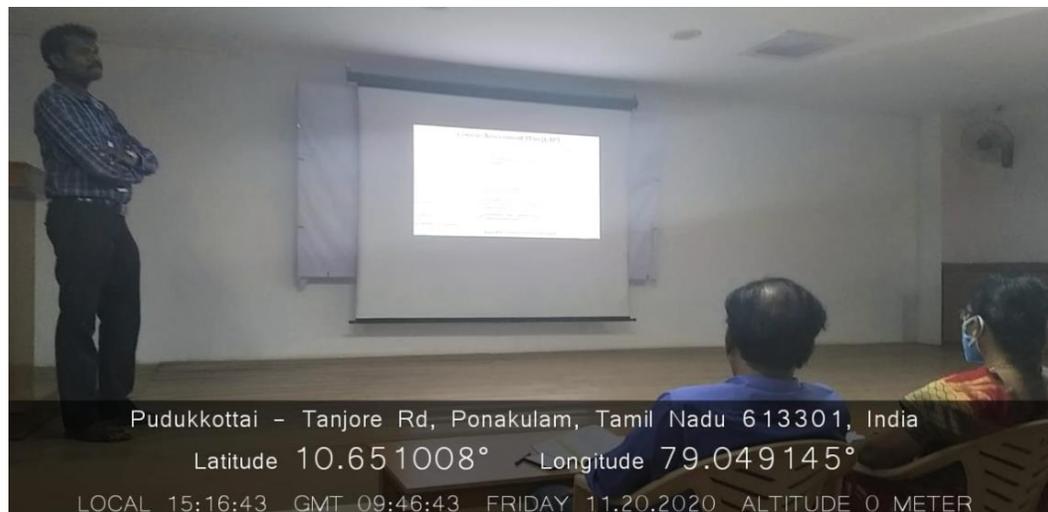
**Presented by:** Staff members of Department of EEE

On Behalf of Department of EEE, faculty members of Department of Electrical & Electronics Engineering has presented their individual Course Articulation Matrix, Assessment Paper Quality Mapping, Course outcome Alignment Matrix and Course Assessment Plan in front of the respected Principal and Vice Principal.

In this meeting, the following points have been discussed:

- Presented the syllabus of EEE (Regulation 2017).
- Presented the course objective of their individual course
- A brief introduction to PO of the Department.
- Explanation about program indicators under various levels.
- Discussed on how the mapping made among the CO with the Department PO and PSO.
- Discussed on how the CO mapped with their Course plan.
- Explained about framing the Course Articulation Matrix (CAM), Course Assessment Plan (CAP) and Course Outcome Articulation Matrix (COAM) with various program indicators and BT levels with their justification.

### **Snapshots of the meeting**



Pudukkottai - Tanjore Rd, Ponakulam, Tamil Nadu 613301, India

Latitude 10.651008° Longitude 79.049145°

LOCAL 15:16:43 GMT 09:46:43 FRIDAY 11.20.2020 ALTITUDE 0 METER



**Date & Venue:** 11/12/2020, Hall no.111

**Name of the Event:** “PO, PSO MAPPING”, a department level presentation

**Presented by:** S.R.Karthikeyan, AP/EEE

On Behalf of Department of Electrical & Electronics Engineering, Mr.S.R.Karthikeyan, AP/EEE has presented a seminar on “PO, PSO MAPPING” with the staff members of Department of EEE.

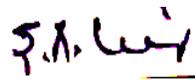
In this meeting, the following points have been discussed:

- Explanation about various PO levels and their applications.
- A brief introduction to PSO and discussed the importance.
- Explanation about program indicators under various levels.

- Enlisted similarity among few sentences repeated in PI levels and clarified the justification to specific CO among them.
- Insisted the staff members to frame a question paper that covers all BT levels from L1 to L6.
- Instructed the staff members to frame the Course Articulation Matrix (CAM), Course Assessment Plan (CAP) and Course Outcome Articulation Matrix (COAM).



*Snapshots from the Seminar session*

  
Dept IQAC Member

  
HOD/EEE

  
VP

  
Principal



**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING  
ACADEMIC YEAR 2020-2021 (ODD SEMESTER)**

**Internal Faculty Seminar on “PO PSO Mapping”**

**List of Participants**

<b>S.No</b>	<b>Faculty Name</b>
1.	Dr.A.Albert Martin Ruban
2.	Mr.R.Sundaramoorthi
3.	Mrs.N.Rajeswari
4.	Mr.J.Arokiaraj
5.	Mr.S.Sakthivel
6.	Mrs.N.Arulmozhi
7.	Mr.C.JohnSelvaraj
8.	Dr. M.Meenalochani

A handwritten signature in blue ink, appearing to be 'M. Meenalochani', is written over a light blue rectangular background.

**HOD/EEE**

### Chief Patrons

Dr.R.Rajendran, Ph.D  
*Secretary*

Mr.T.R.S.Muthukumaar, M.B.A  
*C.E.O*

### Patron

Dr.J.Arputha Vijaya Selvi, Ph.D  
*Principal*

### Co-Patron

Dr.S.Sivakumar, Ph.D  
*Vice Principal*

### Conference Chair

Dr.A.Albert Martin Ruban, Ph.D  
*HOD/EEE*

### Organizing Secretaries

Dr.P.Narasimman, Ph.D.,  
*AP/EEE*  
Mr.S.R. Karthikeyan, M.E  
*AP/EEE*

### Advisory Committee

Dr.Rad Stanev , University of Sofia, Bulgaria  
Dr.Andrii Chub, TeleTech University, Estonia  
Dr.Dilbag Singh, NIT, Jalandhar  
Dr. E. Latha Mercy,GCT,Coimbatore  
Dr.V.Geetha,GCE,Salem  
Dr. M.Venkata Kirthiga, NIT,Trichy  
Dr.P.Raja, NIT,Trichy  
Dr. S. Thangavel , NIT, Puducherry  
Dr. Gaddam Mallesham,UCE,OU, Hyderabad  
Dr. Gayadhar Panda,NIT,Meghalaya  
Dr.L.Ashok Kumar,PSG,Coimbatore

### Technical Committee

Dr. K. Yasoda, GCT, Coimbatore  
Dr.G.Giftson Samuel, SINCE, Nagai  
Dr.S.Albert Alexander, KEC, Perundurai  
Dr. K. Yasoda, GCT, Coimbatore  
Dr. J. S. Christy Mano Raj, GCE, Salem  
Dr.P.Sreejaya, CE, Trivandrum  
Dr.A.Lekshmi,CE, Trivandrum  
Dr. C. Krishnakumar,SCE, Tiruchirappalli  
Mr.B,Purushothaman, TANBIO R&D Solu.

### Address for communication

The organizing secretary,  
NACOFEE'21,  
Department of Electrical & Electronics Engg,  
Punalkulam, Gandarvakottai Taluk,  
Pudukkottai, Dt. - 613303,  
Tamil Nadu, India.  
Email:nacofee21@gmail.com  
Cell: (+91) 98944 79763,  
(+91) 99438 96178.



## KINGS COLLEGE OF ENGINEERING

Approved by AICTE & Affiliated to Anna University  
NAAC Accredited & ISO Certified Institution  
Recognized Under 2(f) & 12 (B) of UGC  
Near Thanjavur, Punalkulam,  
Pudukkottai Dt. - 613303, Tamil Nadu.



## National Conference on Flourishing Areas in Electrical and Electronics Engineering (NACOFEE'21)

Date: 12.04.2021



Organized by  
Department of Electrical and Electronics  
In association with IEEE Student Branch  
Punalkulam, Gandarvakottai Taluk,  
Pudukkottai Dt. - 613303,  
Tamil Nadu, India, [www.kingsindia.net](http://www.kingsindia.net)

### Call for papers

The Focus of this conference will be on, but not limited to the following major areas

- ❖ Electrical Storage
- ❖ Smart Power Systems
- ❖ Renewable Energy Systems
- ❖ Hybrid Electric Vehicle
- ❖ Soft Computing Techniques
- ❖ Reliability Analysis of Electrical Machines
- ❖ Automotive Electronics
- ❖ IoT in Electrical & Electronics Engineering
- ❖ Control Engineering
- ❖ Industrial Automation

### Important Dates

Last Date for Paper Submission	29.03.2021
Last Date for Confirmation	05.04.2021
Last Date for Registration	09.04.2021

### Paper Submission

Authors are invited to submit full paper of minimum 6 pages and maximum 10 pages, strictly as per the IEEE format (using two column, single spaced format with 10 pt) to nacoffee21@gmail.com.

The paper should include affiliation and email address along with author biography.

### Registration Fee

S.No	Categories	Fee(Rs.)
1.	Under Graduate (UG)	200
2.	Post Graduate (PG)	300
3.	Research scholars and Industry persons.	300

### Publication

Selected papers will be published in a reputed journal with ISSN number (Journal Publication charges is not included in registration fees).

### About the institution

Kings College of Engineering (KCE) was established in the year 2001 by Raj Educational Trust (RET). Our Institution was formed with the singular aim of providing quality education to the poor and under-privileged students of this region. Our steps are measured and taken with our goal in mind, which is to become a renowned institution where knowledge is a way of life.

We at Kings value the gift of Knowledge but do not put a price tag on it. We remain strong in our policy of "No Donations and No Capitation" and have focused in admitting students strictly on the basis of merit. Due consideration is given to the economical state of the family in admitting students from the under-privileged sections of the community. 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 on campus are amongst very best which has made it as one of the most sought after college in this region

### About the department

The Electrical and Electronics Engineering Department was started in the year 2001. The department of EEE offers 4 years B.E Course in Electrical and Electronics Engineering and 2 years M.E Course in Power Electronics and Drives. We have a team of highly qualified experienced and dedicated faculty to impart quality education to the students. All the laboratories are well established with the state-of-art equipment and latest licensed software for simulation studies that will help our students to achieve their goals. Our department is certified by Quality Management System ISO 9001-2008.



## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### NATIONAL CONFERENCE ON "FLOURISHING AREAS IN ELECTRICAL AND ELECTRONICS ENGINEERING" (NACOFEE'21) (in Virtual Mode)

#### CONFERENCE REPORT

Online mode: YouTube live stream (<https://youtu.be/9i5DycOHgG4>)

Google meet (<https://meet.google.com/mqs-tenj-mte>)

#### OBJECTIVE

Department of Electrical and Electronics Engineering, Kings College of Engineering has organized a one day National level Conference entitled NACOFEE'21 on 12<sup>th</sup> April 2021.

The major aim and feature of this conference is to bring together academicians, research scholars, engineers and industry researchers to exchange and share their experiences as well as to address the technical challenges they have faced and the solutions they have found. Academicians from various fields are invited to share their perspectives about the latest trends in their fields of expertise. This conference provides opportunities for the academicians and participants to exchange their new ideas and to establish research relations for future collaboration.

This conference focused on recent advances in Electrical and Electronics Engineering fields /disciplines, as described below.

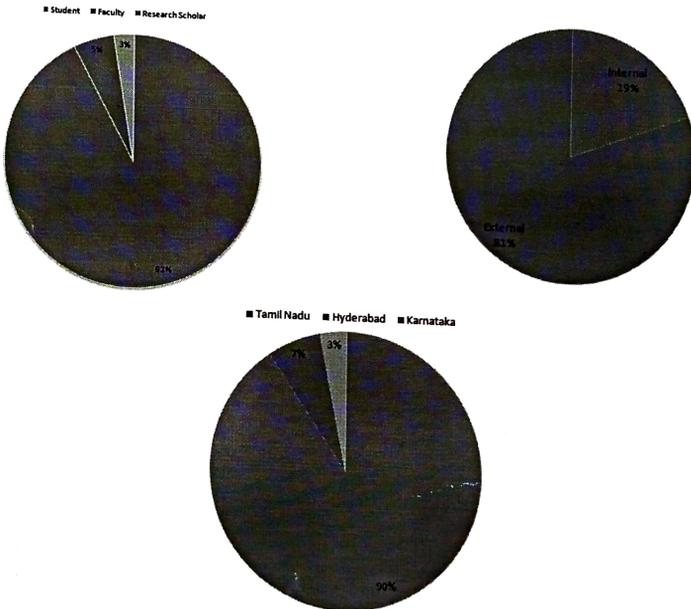
- Automotive Electronics
- Control Engineering
- Electrical Storage
- Hybrid Electric Vehicle
- IoT in Electrical & Electronics Engineering
- Industrial Automation
- Renewable Energy Systems
- Reliability Analysis of Electrical Machines
- Soft Computing Techniques
- Smart Power Systems

**CONFERENCE PREPARATION WORK**

Dr. A. Albert Martin Ruban, Head/EEE assigned Dr. P. Narasimman and Mr. S. R. Karthikeyan, Assistant Professor / EEE as conference coordinators. They received permission from the Principal and Secretary to conduct the conference in online mode. Following approval, a list of tasks was identified, as well as a list of committees and their duties, which were prepared and distributed to staff members. The HoD and Principal gave their approval to the poster design. Following approval, the poster and registration form (google form) were circulated through WhatsApp and email to various engineering colleges.

We received 39 papers from engineering colleges across the country, covering a wide range of topics. The papers were submitted to our department's technical committee, where the originality of the papers was verified. Thirty-one papers were reviewed and notified to the authors via mail. To plan for the proceedings, the authors were asked to submit a camera-ready copy of their article.

Dr.V.Mohan, Professor & Head/EEE, E.G.S. Pillay Engineering College, Nagapattinam, was requested to deliver the keynote address at our conference via email. He gladly accepted our invitation and agreed to give the keynote speech. He has 23 years of teaching experience and has supervised several undergraduate and post graduate projects.



**Figure 1. Response from the Registration Form**

## CONFERENCE DAY (12.04.2021)

The conference was conducted through online mode. Conference Coordinators, Convener, Vice Principal, Chief Guest and staff members joined through google meet link (<https://meet.google.com/mqs-tenj-mte>). Our college's YouTube channel (Kings College of Engineering) broadcasted the inaugural event. The inaugural function started at 10.05 am.

The welcome address was given by Mr.S.R.Karthikeyan, Conference Coordinator of NACOFEE'21. He greeted the dignitaries, faculty members and the students from various educational Institutions across the country. He also expressed his delight at seeing more external participants from various reputed colleges.

The Presidential address was delivered by Dr.J.Arputha Vijaya Selvi, the Principal of our college. Dr.V.Mohan, Professor and Head/EEE at E.G.S. Pillay Engineering College in Nagapattinam, was the chief guest and delivered the keynote address.

Dr.P.Narasimman AP/EEE, Conference Coordinator, thanked the management, Secretary, Principal, Vice Principal, Chief Guest, HoD, staff members and participants at the end of the inaugural event.

At 11:15 a.m., the technical session began. The participants were emailed a copy of the schedule. Dr.S.Sivakumar, Dr.A.Albert Martin Ruban, Dr.M.Meenalochani, Dr.P.Narasimman, Mr.R.Sundaramoorthi, Mr.S.R.Karthikeyan, Mr.J.Arokiaraj, Mr.C.John Selvaraj, Mrs.P.Thirumagal acted as Juries. The participants were directed to the Google Meet connection of their respective Jury member. The evaluation sheet, which included the paper id, team members, paper title, college name, and evaluation criteria, was provided to the Jury members. The evaluation is based on the presentation, concept and implementation and their responses to the questions. Each team had 15 minutes to present their topics (presentation - 10 minutes & query - 5 minutes). The juries' assessment sheets were gathered at the end of the session.

### CONFERENCE FOLLOW-UP WORK

The participants were asked to submit the feedback form about the conference circulated to their email. Certificates and conference proceedings were provided to the attendees for their active participation in the conference via email.

1. P. Narasimman  
16/4/21  
2. S. R. Karthikeyan  
16/4/2021

A. Arputha Vijaya Selvi  
16/4/21

J. Arputha Vijaya Selvi  
19/4/2021

**COORDINATORS**  
16/4/2021

**HOD/EEE**

**VICE-PRINCIPAL**

**PRINCIPAL**

Youtube Link



Approved By AICTE, New Delhi & Affiliated to Anna University, Chennai  
Pondicherry, Gounderpettai (H), Near Thanjavur, Puducherry - 611002

# National Conference on Flourishing areas in Electrical and Electronics Engineering



**Dr. V. MOHAN**  
Professor & Head  
Dept. of Electrical & Electronics Engineering  
E.G.S. Pillay Engineering College  
Nagapattinam - 611002

Organized by Dept. of EEE

NCON - Flourishing areas in Electrical and Electronics Engineering

108 views • Streamed live on 12 Apr 2021

👍 2 🗣️ 0 ➡️ SHARE ⚙️ SAVE ...

**KINGS** COLLEGE OF ENGINEERING

## National Conference on Flourishing areas in Electrical and Electronics Engineering

*20<sup>th</sup> Year of  
Academic Excellence*  
SEEK \* STRIVE \* SUCCEED

Organized by Dept. of EEE

7:57 / 19:46

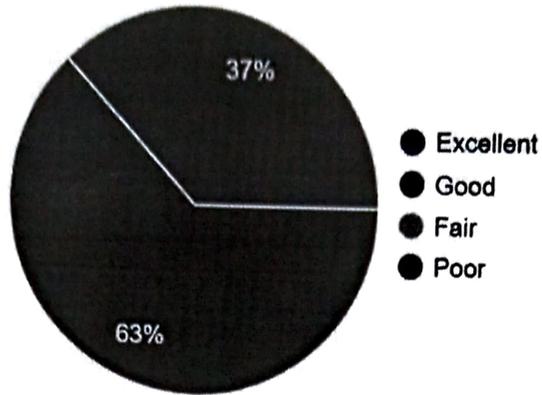
NCON - Flourishing areas in Electrical and Electronics Engineering

108 views • Streamed live on 12 Apr 2021

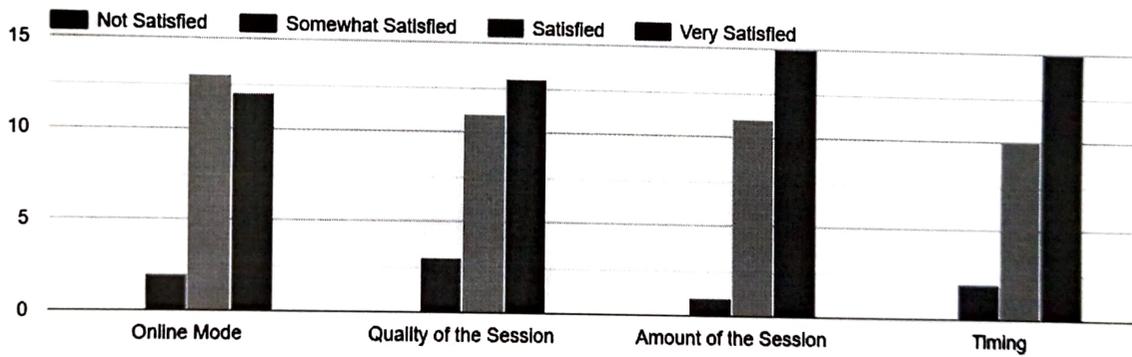
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## Feedback from the Participants

### Overall experience



### Satisfaction for the following aspects of the event





**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**NATIONAL CONFERENCE ON "FLOURISHING AREAS IN ELECTRICAL AND ELECTRONICS ENGINEERING" (NACOFEE'21)**

**Participation List**

S.No	Participate Name	Title of the paper	College Name	Staff/Student	Paper ID	Email ID
1.	Dr. T.V.V.Pavan kumar	Hybrid Renewable based Dc Micro grid using Fuzzy Control Technique for Energy Management System	Associate Professor, K G Reddy College of Engineering and technology	Staff	EE-RE-03	pavankumart99@gmail.com
2.	P.Venkata Prasad , A.Sai Keerthi, P.Ramya Sree ,M.Akshith	A Method for Power System Security Analysis	Department of EEE, CBIT, Hyderabad	Student	EE-PS-01	ugs17012_eee.saikert hi@cbit.org.in
3.	T.ABIRAMI , K.ARCHANA S.KAVIYASRI	A bidirectional DC-DC converter for dynamic performance enhancement of hybrid ac/dc microgrid.	Anjalai Ammal Mahalingam Engineering College, Kovilvenni	Student	EE-PE-01	kaviyasri2000sk@gmail.com
4.	MR.S.K.Kabilesh , K.C.Sivashree, S.Sumathiiswarya, G.Narmathadevi, R.Panjavarnam.	Iot Based Automatic Anesthesia Feeder With Medical Analysis	Jai Shriram Engineering College, Tiruppur	Student	EE-IoT-04	sivashree123kc@gmail.com
5.	S.k.Kabilesh, A.Sheik Sulaiman	Fruit disease detection	Jai Shriram Engineering College	Student	EE-OT-1	sulaimansulaiman490@gmail.com
6.	Mr.A.Anand Kumar,S.Uma,R.Sujitha,R.Rajeshwari	IoT Enabled Smart Bus for COVID-19	Jai shriram Engineering College	Student	EE-IoT-05	aarthiuma27567@gmail.com
7.	M.Aravind, S.Aravindhan, V.Aravindhan	Eco friendly - compact - low cost automated solar powered dryer for moisture reduction in paddy	Anjalai Ammal Mahalingam Engineering College	Student	EE-RE-01	balakumar5799@gmail.com
8.	Shanmugi M, Sivaranjani S S, Sivasree S, Sudarsanadevi P	Smart device for underwater communication using li- fi technology	Anjalai Ammal Mahalingam Engineering College	Student	EE-IoT-06	sudarsana61099@gmail.com
9.	Mr. Sachinkumar Dr. Sarika Raga, Dr. Vishwanath P	A Novel Approach for the Development of Breast MRI Image Segmentation	Navodaya Institute Of Technology	Research Scholar	EE-OT-2	sachin.kumar@navodaya.edu.in
10.	Nathiya.M,Neerajah.J,Shanthini.A	Arduino Audiometric Device	Anjalai Ammal Mahalingam Engineering College	Student	EE-IoT-07	jmneeru99@gmail.com
11.	Mohamed riyas.S, Padmanathan.S, Pragadeesh.A, Tamilarasan.U	Smart and automation of agriculture land using controller	Anjalai Ammal Mahalingam Engineering College	Student	EE-IoT-08	tamilueth010@gmail.com

12.	M.janakiraman,S,jesvin,G.S.jawaher,R.manoj	Monitoring and control of covid-19 in organization using auto temperature detector and arduino based auto cleaner	Anjalai Ammal Mahalingam Engineering College	Student	EE- IoT-09	sjesvin07@gmail.com
13.	Anbalagan.S, Rajasekar.V, Sivaselvan.A, Srinikethan.B, Vengatesh.C	An Implementation Of Solar Pv Array Based Multifunctional Ev Charger	Anjalai Ammal Mahalingam Engineering College	Student	EE- RE-02	rajasekarvrsrv@gmail.com
14.	anbalagan S,mohamed sabiyulla O,mukesh R,barani j	Transformer Protection	Anjalai Ammal Mahalingam Engineering College	Student	EE-PS- 02	safiyulla.md@gmail.com
15.	Praveenraj. P, Rajavel. S, Ranjithkumar. R, Vijay. M	Design and implementation of portable three dimensional fused deposition model	Anjalai Ammal Mahalingam Engineering College	Student	EE- OT-3	ranjithkumar2010rrk@gmail.com
16.	Yogesh Raj. B, saravanan. J, Siddiq batcha. s, veerakumar. s	Hybrid Charging Station	Anjalai Ammal Mahalingam Engineering College	Student	EE- OT-4	saravananasaki2000@gmail.com
17.	Mr.J.Arokiaraj ,Mr.S.R.Karthikeyan , N.Ishwarya ,M.Nandhini ,S.Sindhu,R.Priyadharshini	Touch Free Smart Gadget	Kings College of Engineering	Student	EE- IoT-10	Priyadharshiniramados05@gmail.com
18.	N. Abitha, V. Anbuselvi, k Geethanjalee, M. Ishwarya	Design And Implementation Of Smart Cane For Visually Impaired Person Using IoT	Anjalai ammal mahalingam engineering college	Student	EE- IoT-11	abithanethaji12@gmail.com
19.	B.Jayasree, T.Subash, V.Priyadharsan, N.Priya	Implementation Of IoT Based Indoor Air Quality Monitoring System	Periyar Maniammai Institute of Science & Technology	Student	EE- IoT-12	priyalakshanya@gmail.com
20.	Mr.S.R.Karhikeyan, Mr.Arokiaraj, R.Divyabharath, E.Ganesan, P.Gopinath, R.Hariharan	IoT Based Monitoring And Control of Distribution Transformer And Transmission Lines	Kings College of Engineering	Student	EE- IoT-13	rdivyabharath2000@gmail.com
21.	Sudharsan S Adhavan S,Raghul P	Implementation of smart vehicles with auto rules following system	Kings College of Engineering	Student	EE- IoT-14	adhavansivakumar7@gmail.com
22.	Saravanan V Ajith kumar R Santhosh kumar G Anand K	Design And Implementation of Automation Floor Cleaning Robot Using GSM	ER.Perumal Manimekalai College of Engineering Koneripalli, Hosur	Student	EE- IoT-15	saravanan94897@gmail.com
23.	G.Shasikala .A.P/EEE Afzal.N, Praveen S Shanmugam.M, Parthiban N	Design &Implementation Of Fault Identification In Underground Cables Using Arduino And IoT	ER.Perumal Manimekalai College of Engineering Koneripalli, Hosur	Student	EE- IoT-16	afzalhuge@gmail.com
24.	G.Shasikala .A.P/EEE E.Aswini,M. Divya M.Rahila Thaslim, S.Sasi	CNN algorithm based fault identification in three phase Induction motor using artificial intelligence techniques	ER.Perumal Manimekalai College of Engineering Koneripalli, Hosur	Student	EE- OT-05	divyadeepa1018@gmail.com
25.	Maheshwari.L.A.P/EEE Madhumathi R M .A.P/EEE Sindhu priya.T, Pavithraa.M	Smart waste management collection and Monitoring system using IoT	ER.Perumal Manimekalai College of Engineering Koneripalli, Hosur	Student	EE- IoT-17	sindhushinzo@gmail.com
26.	V.Muthupandian, R.Sivanesan, A.J.Sree ram , P.T. Stephen Stanley	An Android Based Child Monitoring System	St.Josephs College Of Engineering And Technology		EE- IoT-18	sivaragu5092@gmail.com
27.	A. Devendran, M. karthika, R. pradeep, A.sindhuja, A. Vengadesan, A/P(EEE)	Constant Power Generation Using Modified MPPT P&O Over Come Over Voltage On Solar Power Plants	St.Josephs College Of Engineering And Technology		EE- RE-04	jokerdeva007@gmail.com



**Department of Electrical & Electronics Engineering**  
**Academic year 2020-21 (Even)**  
**Internal staff Webinar Report – Curriculum Enrichment**

Date : 29.04.2021

Resource Person: Mr.S.R.Karthikeyan, AP/EEE, KCE

Mode: Virtual Mode through Google meet

Google meet link: <https://meet.google.com/ttf-gncz-txc>

Beneficiary: 8 – faculty members

SEM	COURSE TITLE	TOPIC	ACTIVITY	COVERAGE			STAFF SIGN
				GS	PE	ES	
IV	EEB401 - Electrical Machines-II	Dismantle of Machines	Local Visit - Kings Power Room & Electrical Machines Lab			√(E)	
	EEB402 - Transmission & Distribution	Distribution Transformer	Local Visit Sub Station - Tirukalurpet		√		
	ICB451 - Control Systems	Automation	Case Study	√		√	
	EEB412 - Technical Seminar	Any Topic	Seminar	√	√	√	
VI	EEB691 - Protection & Switchgear	Relays	Local Visit - Kings Power Room		√		
	EEB205 - Special Electrical Machines	Stepper & Servo Motor	Dismantle of Machines	√	√		

GS - Gender Sensitization  
PE - Professional Ethics  
ES - Environment & Sustainability

Curriculum Enrichment was discussed with the staff members of Department of Electrical & Electronics Engineering on 29/04/2021.

The following points were discussed in meet:

- Curriculum enrichment programmes encourage students to learn through different methods as they enjoy engaging projects and activities beyond the syllabus.
- Enrichment programmes can incorporate topics which develops the student's' curiosity to learn something new and fun.

1 | Page 1  
*S.R. Karthikeyan*  
 31/5/21

*S. Karthikeyan*  
 HO/D/EEE



**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING  
ACADEMIC YEAR 2020-21(EVEN)**

Internal Seminar on “Curriculum Enrichment” on 29.04.2021

**List of Participants**

<b>S.No</b>	<b>Faculty Name</b>
1.	Dr.S.Sivakumar
2.	Dr.A.Albert Martin Ruban
3.	Mr.R.Sundaramoorthi
4.	Mr.J.Arokiaraj
5.	Mr.C.John Selvaraj
6.	Dr.M.Meenalochani
7.	Dr.P.Narasimman
8.	Ms.P.Thirumagal

A handwritten signature in blue ink, appearing to be 'A. Albert Martin Ruban', is written over a light blue background.

**HOD/EEE**



## DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

ACADEMIC YEAR 2021-22 ODD

Webinar on "Digital Marketing" - Report

<b>Title of the Webinar</b>	: "Digital Marketing"
<b>Date</b>	: 04.05.2021
<b>Resource Person</b>	: Mr. A. Praveenkumar, Tech Lead, Stepup Controls, Chennai
<b>Beneficiaries</b>	: 21

Department of EEE has organized webinar on "Digital Marketing" for faculty members and students on 04.05.2021.

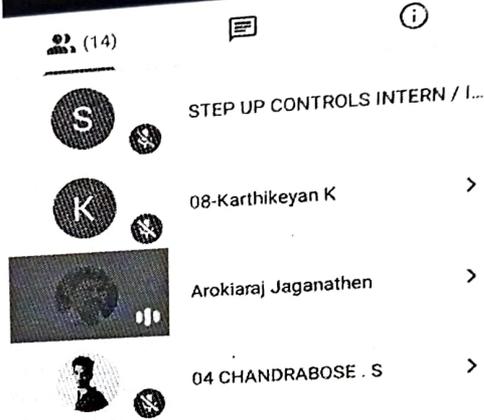
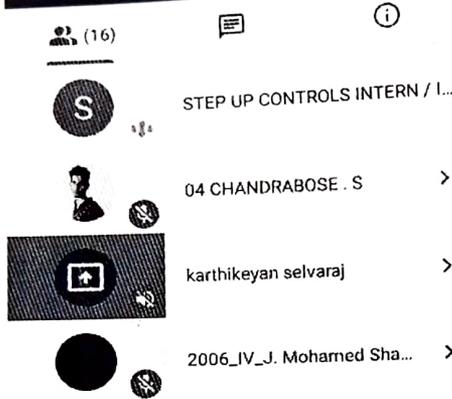
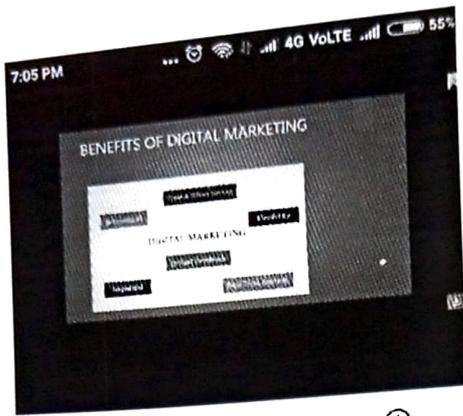
### Objectives of the Digital Marketing

- 1) Increase direct sales
- 2) Maintain a continuous flow of new leads
- 3) Reduce the cost of acquiring new customers
- 4) Keep the customer engaged in your brand

By the end of 2021, more than 20 Lakh Jobs are expected in Digital Marketing Space suggests a CII & KPMG report. So, this is the most right time to make a career in Digital Marketing.

### The following pointes were discussed in the webinar:

- This particular sector deals with technologies as well as marketing to meet client demands. There are several opportunities in digital marketing, such as blogging, data analytics, e-commerce, marketing automation, etc.
- Digital marketing professionals meet with different clients and build up a strategy to fulfill client demand.
- Digital marketing deals with the internet to promote a client's business or brand. It uses vital information to provide a better solution to clients. You need to implement creative ideas to meet client demand.



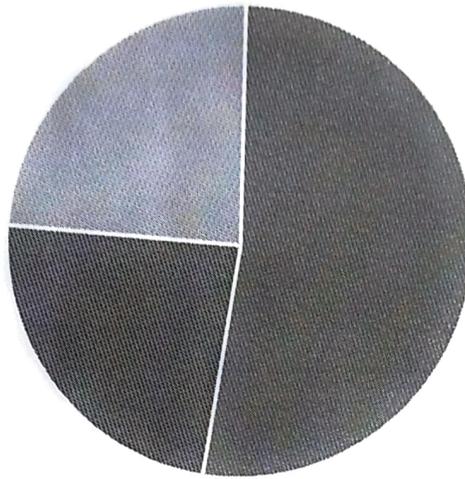
**List of Participants:**

SNo	Name of the Participants / Designation	Institute
1.	Arokiaraj J, AP/EEE	Kings College of Engineering
2.	Karthikeyan S.R, AP/EEE	Kings College of Engineering
3.	Sundaramoorthi R, AP/EEE	Kings College of Engineering
4.	Dr.Meenalochani M, AP/EEE	Kings College of Engineering
5.	Abirami U, III/EEE	Kings College of Engineering
6.	Akesh Sathiya A, III/EEE	Kings College of Engineering
7.	Bavana K, III/EEE	Kings College of Engineering
8.	Chandrakumar S, III/EEE	Kings College of Engineering
9.	Chandrapriya S, III/EEE	Kings College of Engineering
10.	Jagadeshwaran S, III/EEE	Kings College of Engineering
11.	Jayaprakash R, III/EEE	Kings College of Engineering
12.	Karthikeyan K, III/EEE	Kings College of Engineering
13.	Kaviya M, III/EEE	Kings College of Engineering
14.	Mohamedhalith S, III/EEE	Kings College of Engineering
15.	Priyadharshini S, III/EEE	Kings College of Engineering
16.	Santhosh G (11.10.2001), III/EEE	Kings College of Engineering
17.	Santhosh G (15.09.2001), III/EEE	Kings College of Engineering
18.	Vasanth K, III/EEE	Kings College of Engineering
19.	Premalatha.N, III/EEE	Kings College of Engineering
20.	Sharmila Devi.J, AP/ICE	AVC College of Engg
21.	Priya Fatima Rani, AP/EEE	Kurinji College of Engg & Tech

**Feedback Analysis:**

Over All Comment

Webinar on " Digital Marketing"



■ Excellent ■ Very Good ■ Good ■ Fair

*A. Kumar*  
31/08/20.

HOD/EEE



**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

**ACADEMIC YEAR 2020-21 EVEN**

Internal Staff Webinar on – Report

**Title of the Webinar** : “Gravity Based Power Generator”

**Date** : 19.05.2021

**Resource Person** : Mr.S.R.Karthikeyan, AP/EEE, KCE

**Beneficiaries** : EEE Faculty Members- 8

**Google meet link:** <https://meet.google.com/ttf-gncz-txc>

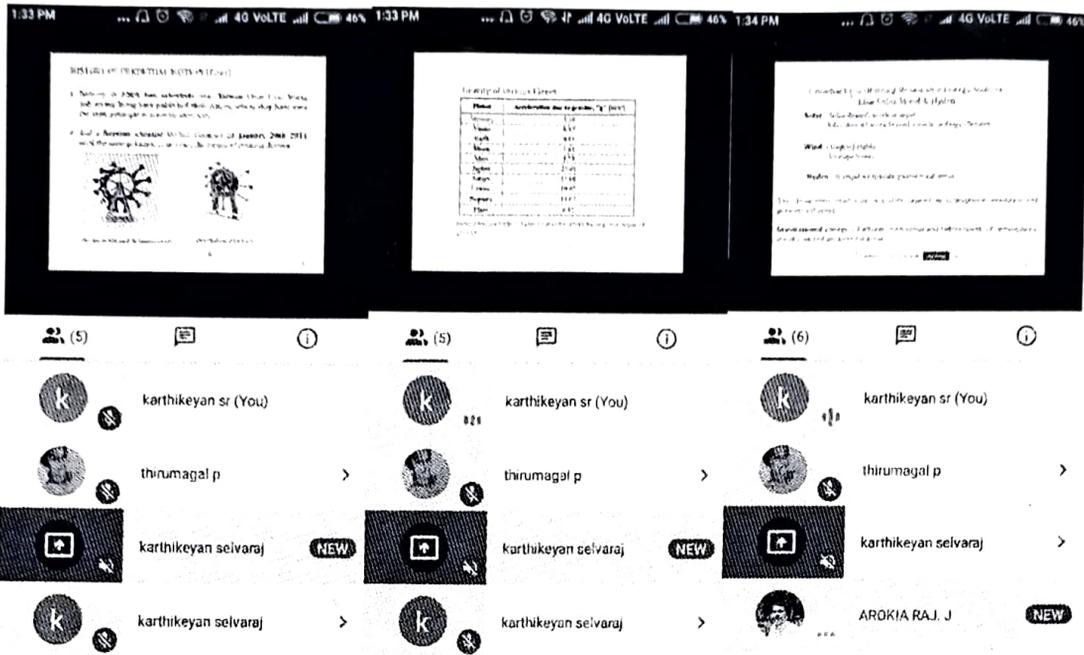
On behalf of Department of EEE, IEEE Branch has organized Internal Seminar on “Gravity Based Power Generator” for faculty members, Department of EEE on 19.04.2021. The main objective of the internal seminar is to provide exposure to various research areas to our faculty members.

During the session the resource person discussed merits and demerits of various renewable energies. He explained the importance of gravity based power generator. He pointed out the recent research about gravity based power generation in the name of perpetual motion. He discussed about statistics of power sector in India. In his presentation he mentioned that 53% of Coal and 24.5% of renewable energy sources used for power generation as per the record of ministry of power, government of India as on 14.03.2021.

In order to increase the percentage of renewable energy sources for power generation, focus gravity power generation. Because Gravitational energy is uniform, continuous and independent of atmospheric conditions and geometrical areas.

He mentioned the gravity value of various planets in solar system:

<b>Planet</b>	<b>Acceleration due to gravity, “g” (m/s<sup>2</sup>)</b>
Mercury	3.59
Venus	8.87
Earth	9.81
Moon	1.62
Mars	3.77
Jupiter	25.95
Saturn	11.08
Uranus	10.67
Neptune	14.07
Pluto	0.42



S. S. Karthikeyan  
 Faculty In-Charge 20/5/21

*S. S. Karthikeyan*  
 HOD/EEE



**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING  
ACADEMIC YEAR 2020-21(EVEN)**

Webinar on “Gravity based Power Generator” on 19.05.2021

**List of Participants**

<b>S.No</b>	<b>Faculty Name</b>
1.	Dr.S.Sivakumar
2.	Dr.A.Albert Martin Ruban
3.	Mr.R.Sundaramoorthi
4.	Mr.J.Arokiaraj
5.	Mr.C.John Selvaraj
6.	Dr.M.Meenalochani
7.	Dr.P.Narasimman
8.	Ms.P.Thirumagal

A handwritten signature in blue ink, appearing to read 'A. Albert Martin Ruban', is written over a light grey rectangular background.

**HOD/EEE**

## Registration

The Registration Fee to Participate in the Programme.

Category	Amount
PG&Research scholars	Rs.500/-
Academicians	Rs.600/-
Industry persons	Rs.700/-

Registration Fee can be paid on the spot

## Travel & Accommodation

Participants have to make their arrangements for travel. Accommodation will be provided based on request with prior intimation.

## Target Audience

The course is open for faculty, PG students/ Research Scholars of institution to pursue research in the field of Electrical Engg.

## Resource Persons

1. Dr.M.Venkata Krithiga  
NIT-Trichy
2. Dr.V.Mohan  
E.G.S Pillay Engineering College
3. Dr.R.Gnanadass  
Pondicherry Engineering College
4. Dr.S.Sivakumar  
Kings College of Engineering  
Punalkulam

## Organizing Committee

### Chief Patrons

Dr.R. Rajendran  
Secretary  
Mr.T.R .S.Muthu Kumaar  
Chief Executive Officer

### Patron

Dr.J. Arputha Vijaya Selvi  
Principal

### Co-Patron

Dr.S.Sivakumar  
Vice Principal

### Convenor

Dr.A.Albert Martin Ruban  
HOD/EEE

### Co-ordinators

Mr.R.Sundaramoorthi AP/EEE  
Mrs.N.Rajeswari AP/EEE  
Mr.C.John Selvaraj AP/EEE

## Important dates

Last date for Registration: 28.10.2019

Cofirmation date : 29.10.2019

Registration form should be sent to

Email Id: [fdpresearch19@gmail.com](mailto:fdpresearch19@gmail.com)

Mr.R.Sundaramoorthi

Mobile No: 9965156904

Two Day Faculty Development  
Program  
on



"Research issues & Solution  
in Sustainable Energy Conversion  
and Renewable Energy Sources"

01.11.2019 & 2.11.2019



Jointly Organized by

IEEE Student branch, ISTE  
&



Department of EEE



**KINGS**

COLLEGE OF ENGINEERING  
NAAC Accredited Institution

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

Approved by AICTE, New Delhi

Affiliated to Anna University, Chennai

Punalkulam, Thanjavur - 613 303

Phone : 04362-282474, 262676

[www.kingsindia.net](http://www.kingsindia.net)

## About our Institution

Kings College of Engineering was born out of a dream and vision to provide education with unparalleled quality to the young and enthusiastic students of our nation. The college is approved by the AICTE, New Delhi and affiliated to Anna University, Chennai. The drive from our management and dedication of the faculty has seen KCE to raise to the status of one of the most sought after institution in this part of the country.

KCE, run by Raj Educational Trust (RET) Chennai, is a fast growing technical institution in the state of Tamilnadu with a great promise to cater the educational demands of Thanjavur, Pudukkottai and adjoining districts from 2001. Our institution offers five UG programmes namely EEE, ECE, CSE, Mechanical, Civil Engg and four PG programmes namely VLSI Design, Thermal Engg, Power Electronics & Drives, and Computer Science & Engg. We strive and endeavor every passing day to build our students as technocrats.

## About the Department

The Electrical & Electronics Engg department was established in the year 2001. The department of EEE offers 4 years B.E degree course & 2 years M.E in Power Electronics & Drive (EEE). We have a team of highly qualified, experienced and dedicated faculties. Our department has been approved as research center for pursuing research (Ph.D) under Anna University Chennai.

## About the FDP

The main objective of this FDP is to provide a forum to exchange views, ideas & the latest research and solution in the field of Renewable Energy Sources and Sustainable Energy conversion. It provides a platform for the Teaching Faculties, Research scholars and Industrial persons to upgrade and share their knowledge in the flowing fields of Electrical Engineering. In addition, this programme is meant to improve the faculty ability in carrying out research in this field and to bring up professional discussion on Research issues and solutions.

## Topics :

- ↳ Research Perspective in Smart Grid & Renewable Energy Sources
- ↳ Research Scope & Challenges in Electrical Engineering
- ↳ Software tools for Energy Conversion & Renewable Energy sources.
- ↳ Optimization Algorithms for Research over view
- ↳ Research Issues & Solution in multilevel Inverters in PV System

## How to Reach?

Thanjavur is well connected by Road / Rail transport from all major cities in Tamilnadu. Our college is located 15 kms from thanjavur railway junction & 12 kms from new Busstand on Thanjavur - Pudukkottai national highway.

Two Day FDP  
on  
"Research issues and  
Solutions in Sustainable  
Energy Conversion and  
Renewable Energy Sources"

## Registration Form

(Fill up in Capital Letters)

Name :

Gender : M/F

Designation :

Organization :

Full Address :

Mobile :

Email :

Experience :      Years.      Months.

Signature of the Applicant

Place:

Date :

Signature of sponsoring authority  
With seal



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING  
TWO DAY FDP

On

“Research Issues and Solutions in Sustainable Energy Conversion and  
Renewable Energy Sources” on 01.11.19 & 2.11.19

REPORT

The Department of Electrical and Electronics Engineering, IEEE Student branch, ISTE Student branch and MHRD'S Institutions Innovation Cell have jointly organized a two day Faculty Development Programme on “Research Issues and Solutions in Sustainable Energy Conversion and Renewable Energy Sources” on 01.11.19 & 2.11.19. The main objective of this FDP is to provide a forum to exchange views, ideas & the latest research and solutions in the field of Renewable Energy Sources and Sustainable Energy Conversion. It provides a platform for the Teaching Faculties, Research scholars and Industrial person to upgrade and share their knowledge in the flowing fields of Electrical Engineering. In addition, this programme will help to improve the faculty's ability in carrying out research in this field and to bring up professional discussions on research issues and solutions.

**Resource persons:**

Session 1: “Optimization Algorithms for Research” by Dr.M.Venkatakirthiga,  
Associate Professor/EEE, National Institute of Technology, Trichy

Session 2: “Islanding Detection Techniques in Micro-grids” by Dr.M.Venkatakirthiga,  
Associate Professor/EEE, National Institute of Technology, Trichy

Session 3: “Applications of Genetic Algorithms in Electrical Engineering issues” by  
Dr.S.Sivakumar, Professor/EEE, Kings College of Engineering.

Session 4: “Research Perspective in Smart Grid and Renewable Energy sources” by  
Dr.V.Mohan, Professor/EEE, E.G.S Pillay Engineering College, Nagapattinam

Session 5: “Soft Computing Techniques” by Dr.M.Meenalochani,  
Assistant Professor/EEE, Kings College of Engineering

**Convener:**

Dr.A.Albert Martin Ruban, Associate Professor & Head / EEE

### Coordinators:

1. Mr.R.Sundaramoorthi, Assistant Professor / EEE
2. Ms.N.Rajeswari, Assistant Professor / EEE
3. Mr.C.John selva raj, Assistant Professor / EEE

### Inaugural Session:

Inaugural session was started by 10.15 A.M presided over by Dr.S.Sivakumar, Vice Principal. The dignitaries on the Dais during the inaugural session were, Dr.A.Albert Martin Ruban, Head / EEE, Resource person Dr.M.Venkatakirthiga Associate Professor/EEE, National Institute of Technology, Trichy and the Program Coordinators Mr.R.Sundaramoorthi and Mr.C.Johnselvaraj. The program was started with Thamizh Thaaai Vaazthu followed by Welcome address delivered by Dr.A.Albert Martin Ruban, Head / EEE and Introduction about FDP was delivered by Mr.R.Sundaramoorthi, Assistant Professor/EEE.

### Participants:

External : 12

Internal :21

Total : 33

### Session 1- "Optimization Algorithms for Research"by Dr.M.Venkatakirthiga, Associate Professor/EEE, National Institute of Technology, Trichy

In the first session, resource person has started about the general Introduction about Optimization Algorithms classification such as Genetic Algorithm, Particle swarm optimization techniques. Then she has given complete overview of Genetic Algorithm principles, flowchart, codings basics and implementation. She also has given how optimization Algorithms can be used in research Problems. During this session, the participants were actively interacted with the resource person.

### Session 2:"Islanding Detection Techniques in Micro-grids" by Dr.M.Venkatakirthiga, Associate Professor/EEE, National Institute of Technology, Trichy

Second session has started by 2.00 p.m after lunch break. During the second session resource person has given an idea about Distributed Generation and she has explained how Islanding detection techniques can be used in Micro Grid. Through demonstrated pictures of distributed Generation she has given idea about how to solve the research problems in distributed Generation. Finally she has mentioned that research problems and solutions in Distributed Generation. The session was very informative and the participants were interacted with the resource person.

**Session 3: "Applications of Genetic Algorithms in Electrical Engineering issues" by Dr.S.Sivakumar, Professor/EEE, Kings College of Engineering.**

After the Tea break, Dr.S.Sivakumar, Vice Principal, Kings College of Engineering has delivered a lecture on "Applications of Genetic Algorithms". He has given detailed concepts of Genetic Algorithms flow chart and basic definitions etc. He also demonstrated testing of GA Codings using Matlab. During this session, resource person has elaborated the GA tools for various research problems. This session was very interactive.

**Session 4: "Research Perspective in Smart Grid and Renewable Energy Sources" by Dr.V.Mohan, Professor/EEE, E.G.S Pillay Engineering College, Nagappattinam**

In the second day of FDP, Dr.V.Mohan, Professor/EEE, E.G.S Pillay Engineering College, Nagappattinam honored by HOD/EEE. Brief Introduction about Resource person was given by Mrs.N.Rajeswari AP/EEE. Resource person has started the lecture from basics of Power Electronics, different types of converters, research module, research problems in Renewable Energy and AI tools used in converters. He also given a complete module of Research perspective in Smart Grid and Renewable Energy Sources and structured research steps. After the session he has interacted with the participants. This session was very interactive and informative.

**Session 5: "Soft Computing techniques in Electrical Engineering issues" by Dr.M.Meenalochani, Assistant Professor/EEE, Kings College of Engineering.**

After the Tea break, Dr.M.Meenalochani, Assistant Professor/EEE, Kings College of Engineering has delivered a lecture on "Soft Computing techniques". She has given detailed basic concepts of soft switching and hard switching. Then, she has explained about Fuzzy logic systems, Membership functions, formation of rules. She has also given an idea about how to design Fuzzy Controllers for various Applications. This session was very informative.

**Valedictory Function:**

The feedback from the participants was collected. Mr.C.John selvaraj, AP/EEE delivered the vote of thanks. The dignitaries issued certificates to all the participants. Finally the program ended with the National anthem

## Event Photographs:



Welcome address delivering by Dr.Albert Martin Ruban  
HoD/EEE



Resource person Honored by Dr.S.Sivakumar, Vice Principal and  
Head/T&P, KCE



Session -I Resource person Dr.M.VenkataKirthiga  
Associate Professor/EEE,NIT, Trichy delivering  
lecture



Session -III Resource person Dr.S.Sivakumar  
Professor/EEE, KCE delivering lecture



Session -IV Resource person Dr.V.Mohan,  
Professor/EEE,E.G.S Pillay Engg College  
delivering lecture



Session -V Resource person Dr.M.Meenalochani  
Assistant Professor/EEE,KCE delivering lecture



Participants receiving certificates during Valedictory function

Prepared by

*Paulam Sambam*  
Coordinators 6/11/19

Verified by

*A. Arumma* 6/11/19  
Head of the Department

*[Signature]*  
6/11/19

Vice principal

*J. Ponmuthu*  
6/11/19  
Principal

**Post Conference Report**  
of  
**National Conference on Emerging Trends in Computing,  
Control and Communication Technology (ETCCCT'20)**

**13<sup>th</sup> March 2020**

**Organized by**



An ISO 9001 Certified Institution  
Punalkulam, Gandarvakottai Taluk,  
Pudukkottai-613 303  
Phone: 04362 – 282474, Fax: 04362 – 282494  
[WWW.kingsindia.net](http://WWW.kingsindia.net)

# CONFERENCE REPORT

## Overview

National Conference on Emerging Trends in Computing, Control and Communication Technology (ETCCCT'20) is jointly organized by the department of Computer Science and Engineering, Electrical and Electronics Engineering and Electronics and Communication Engineering of Kings College of Engineering on 13<sup>th</sup> March, 2020. The Conference acted as a forum to bring together researchers, scientists, academicians, practicing Engineers, and industry professionals to discuss innovative ideas and diverse topics on next generation technologies. This conference has become a common hub for the researchers, to exhibit their new research findings. It seeks solutions for the research/industrial challenges/problems, and makes an avenue to develop networking with hundreds of professionals in the field Electrical, Electronics, communication and Computer Science. The objectives of the conference are:

- To provide a forum for presenting and discussing innovations, ideas, new design and alternative technologies.
- To promote affable environment for academia-industry interaction leading to exchange of new research ideas.
- To present keynote and invited talks by academicians, industrialists and scientists of national repute.

## Conference Format

The one-day National Conference comprised parallel paper presentations organized by the three branches. Each speaker was given 10 minutes to present, followed by 5-10 minutes for questions. The conference was structured to foster discussion between participants around the core themes. In addition, invited lecture on Free Space Optical Communication by the Chief Guest followed by a short discussion on the career opportunities for engineering students in abroad as well as in India <sup>were</sup> also planned.

## Conference Themes for Electrical and Electronics Engineering

- 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 and Reliability
- Power Market and Deregulation
- Power System Reliability and Security

The programme was launched at 10.00AM in the Chera hall of Kings College of Engineering, Punalkulam. **Dr. Arun.K.Majumdar**, Adjunct Professor, Colorado State University, USA presided over the function. **Dr.J.Arputha Vijaya Selvi**, Principal, Kings College of Engineering delivered the welcome address to the conference gathering. **Dr.R.Rajendran**, Secretary, Kings College of Engineering has delivered the presidential address. He conveyed the current scenario of Engineering Colleges and students education. He has registered his strong views about the scope of the conference. He expressed that this National conference will be a platform for Researchers, academicians and students to discuss about recent trends, challenges and advancements related to engineering fields, which will create an opportunity to focus on specific areas from their own perspective and experiences in this field. The Chief Guest released the conference proceedings to the gathering and it was received by dignitaries.

**Dr.A.Albert Martin Ruban**, Organizing Secretary of the Conference introduced the Chief Guest to the crowd. Dr. Majumdar has demonstrated leadership skills in Research and Development for the last 29 years from 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. He has published over 60 refereed journal and Conference papers

and technical reports, and serves as reviewer for IEEE, OSA, SPIE, Springer and Elsevier Journals. He was the co-chair of the SPIE's conferences of Free-Space Laser Communications until 2013. He has been invited to provide seminars / Short Courses in various organizations some of which includes SPIE, the Boeing Company, BAE Systems, UCLA, Colorado State University at Pueblo, Colorado, University of California at Riverside, California, University of Dayton, Ohio and Oxford University, UK etc. He owned 3 patents in the areas of optical communications, imaging and Underwater Detection. He has published 4 books which includes Springer, Elsevier and IET publications.

**Dr. Arun.K.Majumdar** delivered the inaugural address and explained the importance of conference. He explained about the recent trends, growth, future scope, ongoing projects and research in the field of Engineering. In addition, he delivered his keynote address on the basics of Free Space Optical Communication. Also, he educated the students with the advances in Free Space Optical Communication and its applications. The inauguration ends at 11.30 A.M.

**Dr. Arun.K.Majumdar** had a discussion with the students of all branches on the career opportunities for Engineering students in India and abroad. The students posed questions which were answered by the speaker. The students were inspired by his knowledge sharing which provided them awareness on the abundant opportunities. Technical sessions were arranged separately for the three branches in their respective departments. Paper presentation for Electrical and Electronics Engineering is held at Pallava hall and Machines lab in the main block.

Participants from various Engineering colleges exhibited their views, thoughts and research in the areas of Electrical and Electronics Engineering. Over 50 Technical papers were received from industrialists, UG, PG students and faculty members from various Engineering Institutions. Among them, 45 research papers from various areas such as Power Electronics, Power Systems, Smart grid, Renewable Energy and Wireless Sensor Networks were scrutinized for presentation through review committee. The topics discussed in the conference are quite useful to all the participants to bring new and innovative ideas in the current scenario. **Mr.R.Sundaramoorthi, Mr.J.Arokiaraj, Dr.M.Meenalochani and Mrs.N.Rajeswari** were the jury members for paper presentation.

The valedictory function was arranged at Chera Hall by 04.15PM. **Dr.S.M.Uma**, Programme Chair presented the summary of the conference .Delegates from the various institutions have registered their valuable feedback. The Certificates were distributed to the participants by the Chief Guest. **Prof. N.Mangayarkarasi**, Conference Convener delivered the vote of thanks. On behalf of the management, she expressed the sincere thanks to the Chief guest, the Secretary, the Principal, the Vice principal, Conference chair, teaching and non teaching faculty, event management committee, PG & UG students, delegates from various Engineering colleges for their excellent co operation to make this conference a grand success. Finally, the programme ended with National anthem.

# A glimpse of the Conference Events



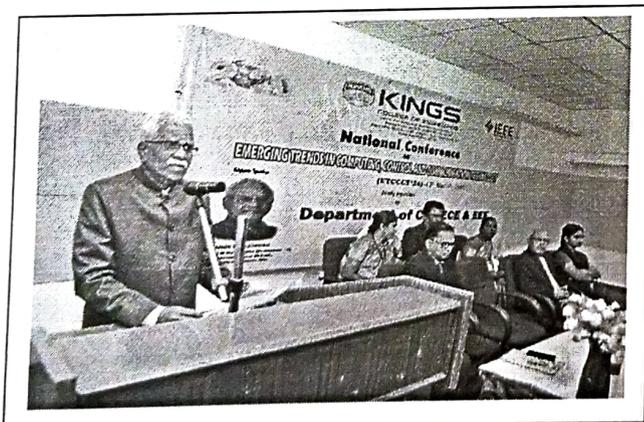
Dr. Arun K.Majumdar on Dias along with our Secretary, Principal, Vice Principal and HoDs of CSE, ECE and EEE



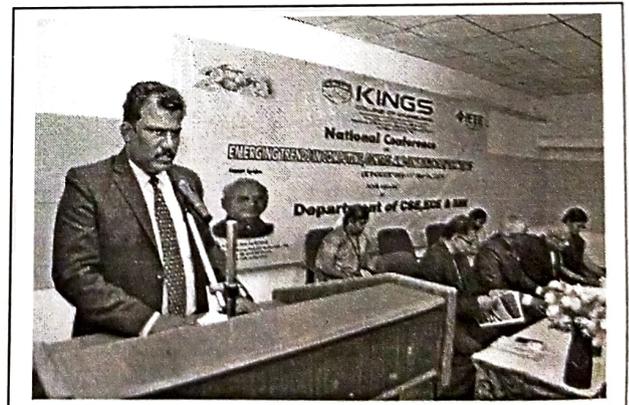
Dr.J.Arputha Vijaya Selvi, Principal delivering the Welcome address



Lamp Lighting by the dignitaries



Presidential address by Dr.R.Rajendran, Secretary



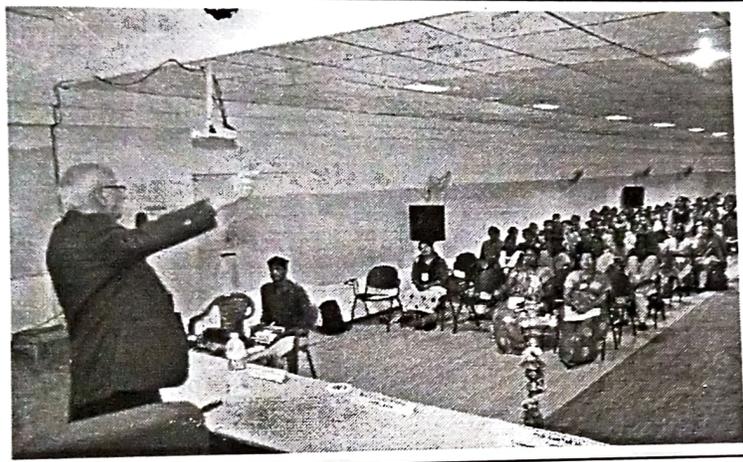
Chief Guest introduction by Dr.A.Albert Martin Ruban



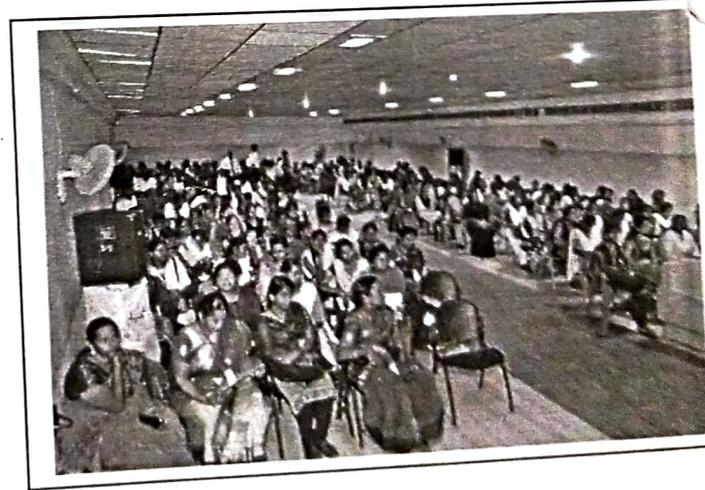
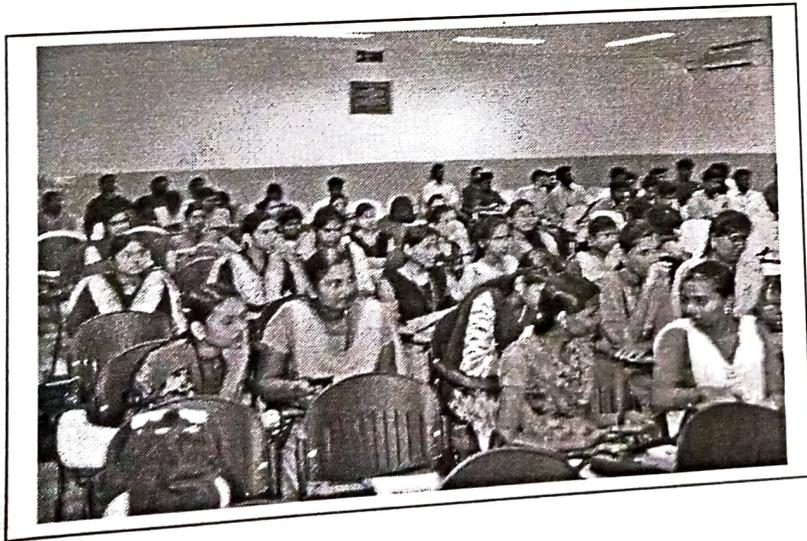
Proceedings Release



Dr. Arun K. Majumdar, delivering the inaugural address



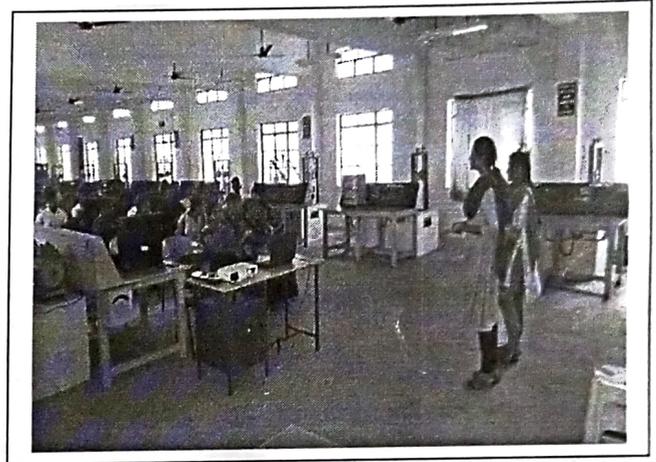
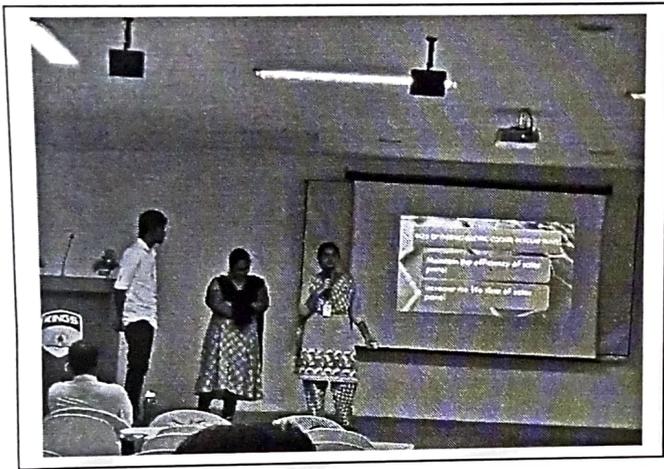
Invited Talk given by Dr. Arun K. Majumdar in the Field of Free Space Optical Communication



Participants from various institutions



**Dr. Arun K.Majumdar discussing with the students on career opportunities**



**Paper Presentation by the Participants in EEE department at Pallava Hall and Machines lab**



**Dr.S.M.Uma delivering the Conference report**



**Vote of thanks by Prof N.Mangayarkarasi**



Certificate distribution to the participants by Dr.Arun K.Majumdar

*[Handwritten Signature]*  
17/3/2020  
CONFERENCE COORDINATORS/EEE

*[Handwritten Signature]*  
18/3/2020  
HOD/EEE

*[Handwritten Signature]*  
19/3/2020  
PRINCIPAL



7.05.2020

**REPORT ON FACULTY DEVELOPMENT PROGRAMME  
 ORGANIZED IN ASSOCIATION WITH IITB**

**IQAC in association with IIT, Bombay is organized Faculty Development Programme for our faculty members. All faculty members attended the course on the scheduled days. 1 common course and 1 department specific course was chosen for this Summer FDP.**

**FDP titles & Objective**

Date	Course	Course Objective	Branch(es) & number of participants
29.04.20	Latex-Workshop	Open source software that helps in preparing paper for publication with notations, plots etc.	All branch faculties(78)
04.05.20	e-Sim	Open source EDA tool for circuit design, simulation, analysis and PCB design	ECE,EEE Faculties (18+9)
	R	Open-source language for analytics and data science	CSE faculties(12)
	OpenFoam	Open source/ free CFD (Computational Fluid Dynamics) software available for solving and analyzing problems and to create a real world fluid flow movie. Open source equivalent to FLUENT. Widely used in Academics and is gaining popularity in Industry as well- Companies including AUDI, Tata Steel, Volkswagen, and Govt. agencies like BARC	CIVIL & MECH faculties (11+15)
	Applications of GeoGebra	Interactive Geometry, Algebra and Calculus application for Research Scholars.	Maths faculties (9)
	ExpEYES	Experiments for Young Engineers and Scientists. It is used to perform basic Physics and Electronics experiments.	Physics faculties (2)
	Jmol Application	To create 3D chemical, crystal and biomolecules structures. Very useful to teach and learn abstract chemistry concepts.	Chemistry faculties (2)



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 COLLEGE OF ENGINEERING  
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 Approved by AICTE, New Delhi  
 Affiliated to Anna University, Chennai



**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**  
**FDP ON "LATEX" IN ASSOCIATION WITH SPOKEN TUTORIAL,**  
**IITB(29.04.20)**



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



**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**  
**FDP ON "e-SIM" IN ASSOCIATION WITH SPOKEN TUTORIAL,**  
**IITB(04.05.20)**





**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING  
ACADEMIC YEAR 2019-20(EVEN)**

FDP on “Spoken Tutorial on eSim” on 04.05.2020

**List of Participants**

<b>S.No</b>	<b>Faculty Name</b>
1.	Dr.S.Sivakumar
2.	Dr.A.Albert Martin Ruban
3.	Mr.R.Sundaramoorthi
4.	Ms.N.Rajeswari
5.	Mr.J.Arokiaraj
6.	Mr.S.R.Karthikeyan
7.	Mr.S.Sakthivel
8.	Ms.N.Arulmozhi
9.	Mr.C.John Selvaraj
10.	Dr.M.Meenalochani

A handwritten signature in blue ink, appearing to be 'A. Almas', is written over a light blue rectangular background.

**HOD/EEE**



**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING  
ACADEMIC YEAR 2019-20(EVEN)**

FDP on “Spoken Tutorial on LaTeX” on 29.04.2020

**List of Participants**

<b>S.No</b>	<b>Faculty Name</b>
1.	Dr.S.Sivakumar
2.	Dr.A.Albert Martin Ruban
3.	Mr.R.Sundaramoorthi
4.	Ms.N.Rajeswari
5.	Mr.J.Arokiaraj
6.	Mr.S.R.Karthikeyan
7.	Mr.S.Sakthivel
8.	Ms.N.Arulmozhi
9.	Mr.C.John Selvaraj
10.	Dr.M.Meenalochani

A handwritten signature in blue ink, appearing to be 'A. Almas', is written over a light blue background.

**HOD/EEE**



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING  
*Webinar*  
*On*

**"Optimization techniques" on 15.5.2020**

REPORT

The Department of Electrical and Electronics Engineering, IEEE Student branch and MHRD'S Institutions Innovation Cell have jointly organized webinar on "**Optimization techniques**" on 15.5.2020. The main objective of this webinar is to provide an online forum to exchange views, ideas & research solutions using different optimization techniques. During this lockdown due to Covid-19, this webinar ~~which~~ provides a platform for the Teaching Faculties, Research scholars in carrying out research in this field and Industrial person to upgrade and share their knowledge using different algorithms..

**Resource person:**

Session Title: "Soft Computing Techniques" by Dr.M.Meenalochani,  
Assistant Professor/EEE, Kings College of Engineering

**Convener:**

Dr.A.Albert Martin Ruban, Associate Professor & HOD/ EEE

**Coordinators:**

1. Mr.R.Sundaramoorthi, Assistant Professor / EEE
2. Mr.S.R.Karthikeyan, Assistant Professor / EEE

**Participants:**

Total Registration: 157

External Participants Attended: 57

Internal Participants Attended:12

Total : 69

**Webinar Session Details:**

Invitations were sent through social media such as Whatsapp, Facebook and Instagram. We have got overwhelming responses from various Institutions and about 157 registrations have received. Webinar was conducted by Cisco WebEx Platform. The Programme was started with Welcome address delivered by Mr.R.Sundaramoorthi, AP/EEE and Introduction about the resource person was given by Mr. S.R.Karthikeyan AP/EEE.

Dr.M.Meenalochani has delivered lecture in the area of optimization Techniques such as Ant colony optimization, Genetic Algorithm and Particle swarm optimization techniques using mathematical modeling of each. Then she has given complete overview of Genetic Algorithm and Ant colony optimization principles, flowchart, codings basics and implementation. She also has given how optimization Algorithms can be used in research Problems. She also delivered recent development optimization tools and windup the session by 12.15 P.M. Finally Programme has ended with vote of thanks by Mr.JArokiaraj AP/EEE.

After the programme, participants were interacted with presenters and clarified the doubts. All the attended participants were asked to submit the feedback form .we have received around 62 forms from the participants and gave positive comments.

**Webinar snapshots:**

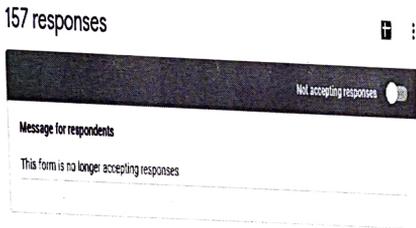


Fig1: Responses from the participants

Designation  
157 responses

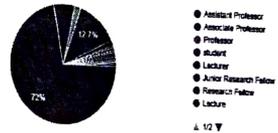


Fig2: Participants Faculty Ratio details

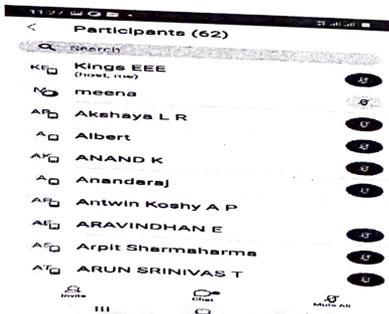


Fig3: Attendance from the WebEx

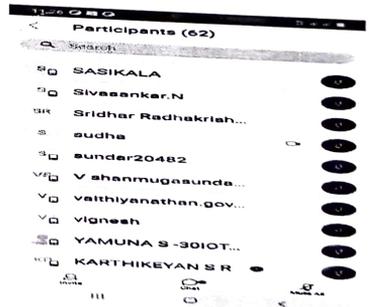
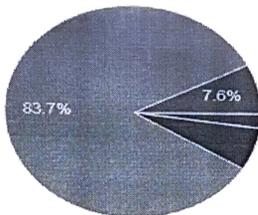


Fig4: Attendance from the WebEx

## FEEDBACK FROM THE PARTICIPANTS

### Designation

92 responses



- Professor
- Associate Professor
- Assistant Professor
- Student

1. Nice session 2. Good 3. Very useful 4. Very good session 5. Totally Excellent 6. Very much informative and knowledgeable 7. Very informative session in optimization techniques 8. Good it was a keen experience of a Cisco webinar 9. I learned Optimization Algorithm newly. Really Superb. Thank u Kings College for arranging such programme. 10. A great webinar session. Thanks to the Organizers and Presenter for conducting informative webinars. 11. Very useful topic and informative, sharing information was very clearly. 12. Very well planned session 13. Valuable information for the researchers 14. Learned about swarm algorithms 15. Nice presentation and clear explanation 16. Excellent webinar 17. Well organized programme 18. We expect more webinar like this 19. Very well done 20. Excellent seminar

*S. Anand*  
Prepared by 21/05/2020  
Coordinators

*S. Anand*  
Verified by 21/05/2020  
Head of the Department

*S. Anand*  
21/05/2020  
Vice principal

*J. Anand*  
22/5/2020  
Principal

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2020/05/12 6:05	bharathiavcraja@gmail.com	S. BHARATHIRAJA
2020/05/12 6:13	sjanbalagan@gmail.com	Anbalagan S
2020/05/12 6:24	arul_eee@kingsindia.net	N.Arulmozhi
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A. V. C. College of engineering	Assistant Professor	ECE
Anjalai Ammal Mahalingam Enç	Assistant Professor	Electrical and Electronics Engineering
Kings college of engineering	Assistant Professor	EEE
Anjalai Ammal Mahalingam Enç	Assistant Professor	ECE
ARIFA INSTITUTE OF TECHNOLOGY	Assistant Professor	EEE
Anjalai Ammal Mahalingam Enç	Assistant Professor	ECE
Anjalai Ammal Mahalingam Enç	Assistant Professor	EEE
ARASU ENGINEERING COLLEGE	Assistant Professor	CSE
ARASU ENGINEERING COLLEGE	Assistant Professor	EEE
Sri sairam engineering college	Assistant Professor	Ece
Arasu engineering college	Assistant Professor	Ece
Ariyalur Engineering College	Assistant Professor	EEE
King's college of engineering	Assistant Professor	EEE
Saranathan College of Engineer	Assistant Professor	Electrical and Electronics Engineering
EGS PILLAI ENGINEERING COLLEGE	Assistant Professor	MECHANICAL ENGINEERING
Kings College of Engineering	Assistant Professor	ECE
KINGS COLLEGE OF ENGG,THANJAVUR	Assistant Professor	ECE
Kings College of Engineering	Assistant Professor	EEE
KINGS COLLEGE OF ENGINEERING	Assistant Professor	MATHEMATICS
ARASU ENGINEERING COLLEGE	Assistant Professor	EEE
KINGS COLLEGE OF ENGINEERING	Assistant Professor	EEE
Kings college of engineering	Assistant Professor	Mechanical
Kings College of Engineering	Assistant Professor	Mechanical Engineering
ARASU ENGINEERING COLLEGE	Assistant Professor	EEE
Kings college of engineering Thanjavur	Assistant Professor	Mechanical engineering
Kings college of engineering	Assistant Professor	Mechanical engineering
Kings college of engineering	Assistant Professor	Mechanical engineering
Karpagam Academy of Higher Education	Assistant Professor	Mechanical Engineering
Kongu Arts and Science College	Assistant Professor	English
Karpagam Academy of Higher Education	Junior Research Fellow	ECE
Holy cross college	Assistant Professor	CS
Gnanamani College of Technology	Assistant Professor	ECE
Velammal Institute of Technology	Assistant Professor	Mechanical Engineering
GAYATRI VIDYA PARISHAD COLLEGE	Assistant Professor	ECE
DR.NGP INSTITUTE OF TECHNOLOGY	student	EEE
AAA College of Engineering and Technology	Assistant Professor	Computer Science and Engineering
Priyadarshini Engineering College	Assistant Professor	EEE
A. V. C. College of Engineering	Assistant Professor	ECE
Indian Institute of Technology IIT Madras	Research Fellow	MECHANICAL
MAM COLLEGE OF ENGG	Assistant Professor	MAMCE
Annai Velankanni College	Assistant Professor	Computer Science
Kings college of engineering	student	Electrical and Electronics Engineering
TAGORE INSTITUTE OF ENGINEERING	student	EEE
VELALAR COLLEGE OF ENGINEERING	Assistant Professor	EEE

M.Kumarsamy College of Engin student  
 MEENAKSHI COLLEGE OF ENGI Assistant Professor  
 St.Martins Engineering College Assistant Professor  
 Muthayammal College of Engin Assistant Professor  
 Karpagam institute of technolo student  
 NSCAS, THENI. Assistant Professor  
 Kumaraguru college of technol student  
 M.Kumarasamy College of Engi Assistant Professor  
 VELALAR COLLEGE OF ENGINEE Assistant Professor  
 AAA college of engineering and Assistant Professor  
 Kings College of Engineering Assistant Professor  
 Muthayammal College of Engin Assistant Professor  
 EEE Assistant Professor  
 AAA College of Engineering anc Assistant Professor  
 Periyar University Constituent Assistant Professor  
 Sri Ramakrishna Mission Vidyal Lecture  
 Smvec Assistant Professor  
 Sri vidya college of engineering Associate Professor  
 Tagore Engineering college Assistant Professor  
 Periyar University constitution Assistant Professor  
 Velalar College of Engineering Assistant Professor  
 Sri GVG Visalakshi college for w Assistant Professor  
 JP COLLEGE OF ENGINEERING Assistant Professor  
 JSS Academy of Technical Educ. Student  
 Kongu arts and science college Assistant Professor  
 Bidea V.P.Dr.P.G.Hallakatti coll student  
 AAA college of engineering and Assistant Professor  
 GNANAMANI COLLEGE OF TEC Assistant Professor  
 PANDIAN SARASWATHI YADAV Assistant Professor  
 TAGORE ENGINEERING COLLEG LECTURER  
 Sengunthar college of engineer Assistant Professor  
 CMR TECHNICAL CAMPUS Assistant Professor  
 JSPMs RSCOE Assistant Professor  
 Ksr college of education Assistant Professor  
 A.V.C COLLEGE OF ENGINEERI Assistant Professor  
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 KINGS COLLEGE OF ENGINEERII Assistant Professor  
 RMK COLLEGE OF ENGINEERIN Assistant Professor  
 Kings College of Engineering, P Assistant Professor  
 SRI RAMAKRISHNA MISSION VI Assistant Professor  
 ANISH Assistant Professor  
 Annamalai University student  
 SRI RANGANATHAR INSTITUTE Assistant Professor  
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Electronics and Communication Engineering  
 EIE  
 EEE  
 Mechanical Engineering  
 Mechanical engineering  
 MATHEMATICS  
 Mechanical engineering  
 Mechanical  
 EEE  
 CSE  
 ECE  
 Mechanical Engineering  
 Eee  
 ECE  
 Computer Science  
 Electrical and Electronics Engineering  
 Instrumentation and control engineering  
 Cse  
 Ece  
 Computer Science  
 EEE  
 Commerce  
 ELECTRICAL AND ELECTRONICS ENGINEERING  
 Electrical and Electronics Engineering  
 Social work  
 Electrical and electronics Engineering  
 Computer science and engineering  
 Electronics and Communication Engineering  
 ELECTRICAL AND ELECTRONICS ENGINEERING  
 EEE  
 Robotics and automation  
 EEE  
 Electrical Engineering  
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 ECE  
 MECHANICAL ENGINEERING  
 CSE  
 MECHANICAL ENGINEERING  
 Physics  
 ELECTRICAL AND ELECTRONICS ENGINEERING  
 Mechanical  
 Computer Science and Engineering  
 MECHANICAL ENGINEERING  
 Eee  
 EEE  
 EEE  
 MECHANICAL

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 AAA COLLEGE OF ENGINEERING Assistant Professor  
 Mahath Amma Institute of Eng. Assistant Professor  
 NPR College of Engineering & T Assistant Professor  
 AAA COLLEGE OF ENGINEERING Assistant Professor  
 Nandha College of Pharmacy Professor  
 CHRIST THE KING POLYTECHNIC Professor  
 Mailam Engineering College Assistant Professor  
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 AAA College of Engineering and Technology Assistant Professor  
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 Kings College of Engineering Assistant Professor  
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 GRT Institute of Engineering and Technology Professor  
 Govt Arts College Kulithalai Assistant Professor  
 SASTRA Assistant Professor  
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 Sri GVG visalakshi college for women Assistant Professor  
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MECHANICAL ENGINEERING  
 CSE  
 EEE  
 Mechanical Engineering  
 Electronics and communication Engineering  
 Pharmaceutics  
 MECHANICAL  
 Electrical and Electronics Engineering  
 Electrical and Electronics Engineering  
 ECE  
 Electronics and Communication Engineering  
 ECE  
 EEE  
 Chemistry  
 EEE  
 Mechanical Engineering  
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## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

*Webinar*

*On*

**"Design of Overhead transmission lines" on 19.6.2020**

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### REPORT

The Department of Electrical and Electronics Engineering, IEEE Student branch have jointly organized webinar on "Design of Overhead transmission lines" on 19.6.2020. The main objective of this webinar is to provide an online forum to exchange views and ideas related to transmission lines parameters and design of transformers. During this lockdown due to Covid-19, this webinar which provides a platform for the Teaching Faculties, Research scholars in carrying out research in this field and Industrial person to upgrade and share their knowledge using different algorithms..

#### Resource person:

Session Title: " Design of Overhead transmission lines" by Prof.Vinitmehta  
PhD Research Scholar/EEE, MBM Engineering College, Jodhpur

#### Convener:

Dr.A.Albert Martin Ruban, Associate Professor & HOD/ EEE

#### Coordinators:

1. Mr.R.Sundaramoorthi, Assistant Professor / EEE
2. Mr.S.Sakthivel, Assistant Professor / EEE

#### Participants:

Total Registration: 137

External Participants Attended: 80

Internal Participants Attended:57

**Webinar Session Details:**

Invitations were sent through social media such as Whatsapp, Facebook and Instagram. We have got overwhelming responses from various Institutions and about 137 registrations have received. Webinar was conducted by Cisco WebEx Platform. The Programme was started with Welcome address delivered by Mr.R.Sundaramoorthi, AP/EEE and Introduction about the resource person was given by Mr. S.Sakthivel, AP/EEE.

Prof.Vinit Mehta has started to deliver the introduction about transmission lines parameters and transformer design. Then he started to explain about high voltage lines, tower options for overhead transmission line towers - lattice steel and tubular steel towers. He also explained about types of transformers, parameters required for transmission lines and design equipments. Then he has given complete overview of transmission lines principles and implementation. He also has given how different methods of testing transformers can be used in research Problems. He also delivered recent development techniques and methods used in power system Industries. Finally Programme has ended with vote of thanks by Mr.JArokiaraj AP/EEE.

After the programme, participants were interacted with presenters and clarified the doubts.All the attended participants were asked to submit the feedback form .we have received around 62 forms from the participants and gave positive comments.

**Webinar snapshots:**

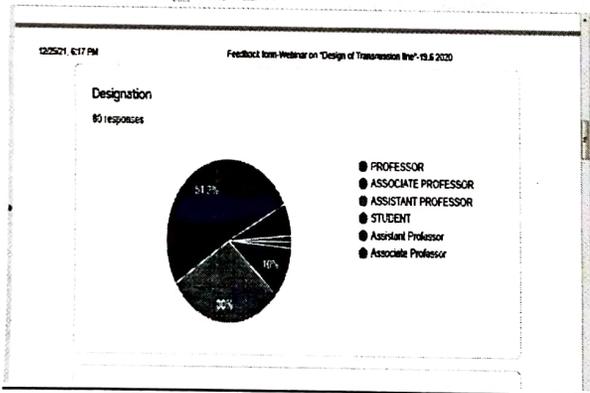


Fig1: Responses from the participants

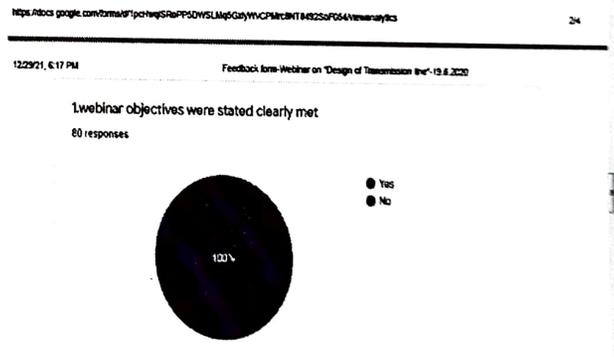


Fig2: Participants Feedback details

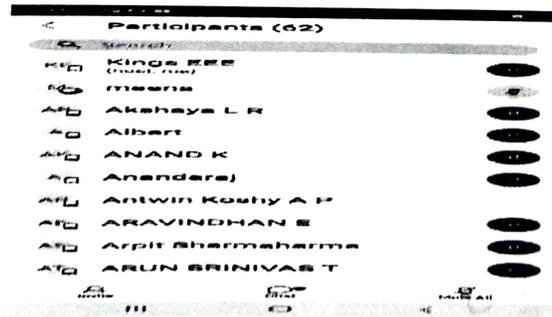


Fig3: Attendance from the WebEx

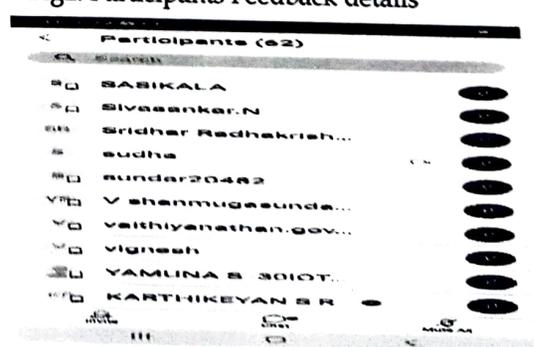


Fig4: Attendance from the WebEx

Ref.No:104/Appreciation letter/HOD-EEE/2020-2021

To

Mr.Vinit Mehta  
PhD Research Scholar  
Department of EEE  
MBM Engineering College  
Jodhpur

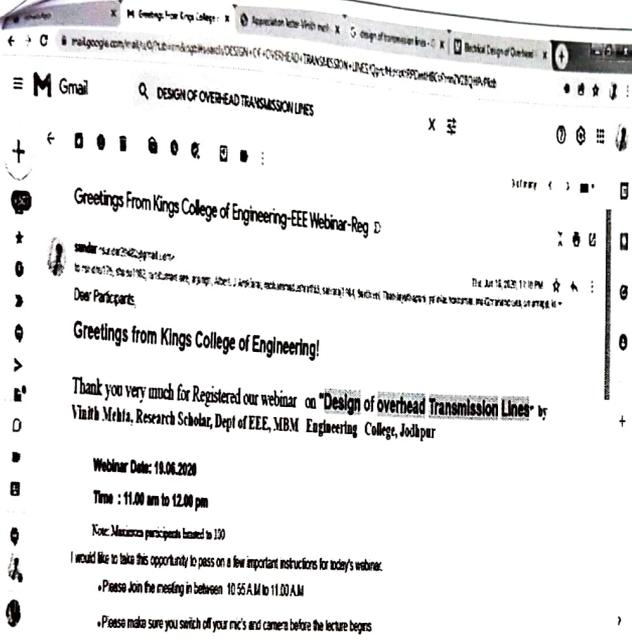
Dear Sir,

I would like to take this opportunity to express my heartfelt thanks to you for your very active Resource person in our webinar titled on 19.6.2020.

The Management, Principal, VicePrincipal and organizing members have also asked me to pass on their sincere thanks and appreciation for your efforts in supporting the webinar Programme. Your skill in the topic on "Design of Overhead Transmission Lines" delivered was very much appreciated by all the participants. Thank you for your fruitful interaction with the faculties and students and we received great feedback on your presentation. Thank you for joining us, and the best to you in your future endeavors.

Regards,

Dr.A.Albert Martin Ruban,  
Head of the Department





**Department of Electrical & Electronics Engineering**  
**E-Certificate**

This is to certify that DIVYA CHOUDHARY  
STUDENT of JODHPUR INSTITUTE OF ENGINEERING AND TECHNOLOGY  
has participated in One day - webinar on "Design of Overhead Transmission Lines" Organized  
by Department of Electrical & Electronics Engineering, Kings College of Engineering, Punalkulam,  
on 19<sup>th</sup> JUNE 2020.  
SOF054-CE000048

Mr.R.Sundaramoorthi, AP/EEE Mr.S.Sakthivel, AP/EEE Coordinators	Dr.A.Albert Martin Ruban HOD/EEE	Dr.J.Arputha Vijaya Selvi Principal
---	-------------------------------------	--

E-Certificate - Signature not required

*Parvathidevi*  
Prepared by 29/07/2020.  
Coordinators

*A Albert*  
29/7/20  
Verified by  
Head of the Department



**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING  
ACADEMIC YEAR 2019-20(EVEN)**

Webinar on "**Design of Overhead Transmission Lines**" on 19.06.2020

**List of Participants**

<b>S.No</b>	<b>Faculty Name</b>
1.	Dr.S.Sivakumar
2.	Dr.A.Albert Martin Ruban
3.	Mr.R.Sundaramoorthi
4.	Ms.N.Rajeswari
5.	Mr.J.Arokiaraj
6.	Mr.S.R.Karthikeyan
7.	Mr.S.Sakthivel
8.	Ms.N.Arulmozhi
9.	Mr.C.John Selvaraj
10.	Dr.M.Meenalochani

A handwritten signature in blue ink, appearing to be 'M. Meenalochani', is written over a light blue background.

**HOD/EEE**

# Webinar on Sentiment Analysis

Organized by  
Department of Electrical & Electronics Engineering



**Dr.M. Sangeetha,**  
Professor,  
Department of IT,  
V.S.B Engineering College,  
Katur.

**23.06.2020 (Tuesday)**

**11:00 a.m. - 12:00 noon**

**Coordinators**

**Dr.M.Meenalochani, AP/EEE & Mrs. N.Rajeswari, AP/EEE**

**Convener**

**Dr. A. Albert Martin Ruban**

**Patron**

**Dr. J. Arputha Vijaya Selvi**



**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING  
ACADEMIC YEAR 2020 - 2021 / ODD SEMESTER**

**WEBINAR REPORT**

The department of Electrical and Electronics Engineering in has organized a national webinar on 'SENTIMENT ANALYSIS" on 23.06.2020 from 11.00 AM to 12.00 PM.

**Beneficiaries** : Students, Research scholars and Faculty from ECE, EEE and CSE  
**Session** : 11 A.M to 12.P.M  
**Venue** : Online (Google meet)  
**Resource Person** : Dr. M. Sangeetha,  
Professor, Department of Information Technology,  
VSB Engineering College,  
Karur

The objective of this webinar is to impart in depth knowledge on sentiments to detect sentiment in social data, gauge brand reputation, and understand customers. Dr. M. Meenalochani, Assistant Professor/ Department of EEE, Kings College of Engineering welcomed the participants and introduced the Resource person. The resource person had given the lecture on "SENTIMENT ANALYSIS ". In this lecture, she introduced the concepts of Sentiment-analysis models which not only focus on polarity (positive, negative, neutral) but also on feelings and emotions (angry, happy, sad, etc), urgency (urgent, not urgent) and even intentions (interested Vs not interested). She explored that sentiment analysis aims to detect emotions, like happiness, frustration, anger, sadness, and so on. In this webinar, 51 participants registered from various Institutions all over India. Vote of thanks was given by Mrs. N.Rajeswari, Assistant Professor/ Department of EEE, Kings College of Engineering. Participants had their queries answered by the resource person at the end of the session. All the attended participants gave their valuable feed back after the webinar session and E-certificate has been sent to them through email. The webinar brochure, copy of certificate for participants, list of participants and feedback analyses are given below.



## List of Participants

S.No	Name of the Institution	No. of Participants
1	SRM institute of science and technology	2
2	S R University	2
3	MKSSSS'S Cummins College of Engineering for Women, Pune	1
4	Shadan collage of engineering and technology	4
5	Dr Ambedkar Institute of Technology	2
6	Alliance University	1
7	Shiv Nadar University	1
8	Kumar traders	2
9	Dhanalakshmi College of Engineering	2
10	Gramodaya's Shri Saibaba Institute of Engineering, Rahata	1
11	Saranathan College of Engineering	2
12	Bharati Vidyapeeth's Jawaharlal Neharu Institute of Technology Katraj-Dhankwadi Pune	2
13	University of Allahabad	1
14	The purple wings	1
15	Srinix college of Engineering, Balasore	1
16	NBCC India Limited	1
17	Sardonyx Tech	1
18	Global logic	1
19	Optel Group	1
20	Vidyasagar Teachers' Training College	2
21	ADGS Gifts	1
22	Er.Perumal Manimekalai College of Engineering	2
23	Kings College of Engineering, Punalkulam	17

### Sample feedback from Participants

Excellent session
Good
Excellent
GOOD
Good
Informative session
More sessions
Informative session
Great
Presentation nice
Excellent Session
Nice presentation
Nice session
excellent work

*(Signature)*  
23/6/2020  
NBCC  
Coordinators

*(Signature)*  
Convenor

*(Signature)*  
Vice Principal

*(Signature)*  
23/6/2020  
Principal



*Webinar*

On

*Testing and Maintenance of Power*

*Transformer*

**Resource Person**

**Mr. E. KARTHICK**

**Assistant Manager (Electrical)**

**Sodexo Technical Services Pvt. Ltd.,**

**Chennai.**

**25<sup>TH</sup> JUNE, 2020**

**9.30 A.M TO 10.30 A.M**

*Organized by*

**Department of Electrical and Electronics Engineering**

**KINGS COLLEGE OF ENGINEERING**

**PUNALKULAM, THANJAVUR - 613 303**

**PHONE : 04362282474, 282676, FAX : 04362282494**

**www.kingsindia.net**

**Registration Link: <https://forms.gle/CiEaafNGip9EvVXp9>**

**Free Registration**

**E-Certificate provided active participants through the feedback link**

**Co-Ordinator**

**Mr. J. Arokiaraj, AP/EEE**

**&**

**Dr. C. John Selvaraj, AP/EEE**

**Convener**

**Dr. A. Albert Martin Ruban**

**HOD/EEE**

**Patron**

**Dr. J. Arputha Vijaya Selvi**

**Principal**



## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Webinar

On

**"Testing and Maintenance of Power Transformer" on 25.06.2020**

### REPORT

The Department of Electrical and Electronics Engineering, Institution's Innovation Council, IEEE Student branch, The Institution of Engineers and Indian Society for Technical Education have jointly organized webinar on **"Testing and Maintenance of Power Transformer"** on 25.06.2020. The main objective of this webinar is to provide an online forum to exchange views, ideas & research solutions. During this lockdown due to Covid-19, this webinar provides a platform for the Teaching Faculties, Research scholars in carrying out research in this field and Industrial persons to upgrade and share their knowledge.

#### Resource person:

Session Title: "Testing & Maintenance of Power Transformer" by Er.E.Karthick  
Assistant Manager (Electrical)/Sodexo Technical Services Pvt. Ltd., Chennai

#### Convener:

Dr.A.Albert Martin Ruban, Associate Professor & HOD/ EEE

#### Coordinators:

1. Mr.J.Arokiaraj, Assistant Professor / EEE
2. Mr.C.John Selvaraj, Assistant Professor / EEE

#### Participants:

Total Registration: 176

External Participants Attended: 74

Internal Participants Attended:12

Total : 86

### Webinar Session Details:

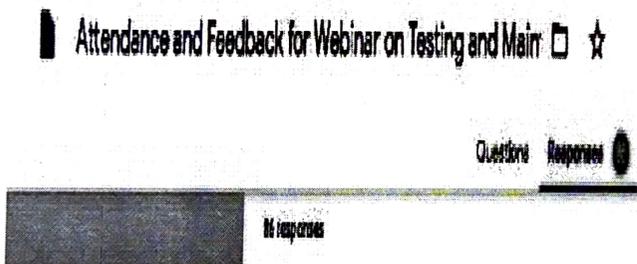
Invitations were sent through social media such as Whatsapp, Facebook and Instagram. We have got overwhelming responses from various Institutions and about 176 registrations have been received. Webinar was conducted in Cisco WebEx Platform. The Programme was started with Welcome address delivered by Mr.S.R.Karthikeyan, AP/EEE and Introduction about the resource person was given by Mr. J.Arokiaraj, AP/EEE.

Er.E.Karthick has delivered his speech in the area of Testing & Maintenance of Power Transformer such as Oil Testing, Insulation Testing, Winding resistance test of transformer, Transformer ratio test, Transformer vector group test, Measurement of impedance voltage/short circuit impedance (principal tap) and load loss (Short circuit test), Measurement of no-load loss and current (Open circuit test), etc.

Then he has given complete overview of Testing and Maintenance of Power Transformer. He also delivered recent development techniques in testing and maintenance and concluded the session by 12.15 P.M. Finally Programme was ended with the vote of thanks by Mr.C.John Selvaraj, AP/EEE.

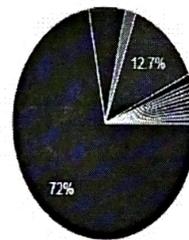
After the programme, participants interacted with presenter and clarified their doubts. All the attended participants were asked to submit the feedback form. We have received around 62 forms from the participants and all gave positive comments.

### Webinar snapshots:



Responses from the participants

Designation  
86 response



- Assistant Professor
- Associate Professor
- Professor
- student
- Lecturer
- Junior Research Fellow
- Research Fellow
- Lecture

▲ 1/2 ▼

Participants Faculty Ratio details

1. Nice session 2. Good 3. Very useful 4. Very good session 5. Totally Excellent 6. Very much Informative and knowledgeable 7. Very informative session In optimization techniques 8. Good It was a keen experience of a Cisco webinar 9. I learned Optimization Algorithm newly. Really Superb. Thank u Kings College for arranging such programme. 10. A great webinar session. Thanks to the Organizers and Presenter for conducting informative webinars. 11. Very useful topic and informative, sharing information was very clearly 12. Very well planned session 13. Valuable information for the researchers 14. Learned about swarm algorithms 15. Nice presentation and clear explanation 16. Excellent webinar 17. Well organized programme 18. We expect more webinar like this 19. Very well done 20. Excellent seminar

Sample Certificate



Prepared by  
 1) [Signature] 2) [Signature]  
 8/6/20 21/6/20  
 Coordinators

[Signature]  
 Vice principal

Verified by  
 [Signature]  
 9/6/20  
 Head of the Department

[Signature]  
 9/6/2020  
 Principal

Timestamp	Email Address	E-Mail ID	Name of the Participant ( & Designation	Department	Name of the Organisation City	State	Mobile No. (Whatapp)
6/23/2020 17:02:08	aarthijaraj@gmail.com	aarthijaraj@gmail.com	A.AARTHI Assistant professor	ECE	P.R.ENGINEERING COLLEGE Thanjavur	Tamil Nadu	7639734472
6/23/2020 18:30:09	kceeesrkd@gmail.com	Kceeesrkd@gmail.com	KARTHIKEYAN S R ASSISTANT PROFESSOR	EEE	KINGS COLLEGE OF ENGINEERING PUDUKOTTAI	TAMILNADU	9790469427
6/23/2020 18:45:18	sundar20482@gmail.com	sundar20482@gmail.com	R.SUNDARAMOORTHY ASSISTANT PROFESSOR	ELECTRICAL AND ELECTRONICS	Kings college of Engineering Pudukottai	TAMILNADU	9965156904
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6/23/2020 18:52:52	sankarananth99@gmail.com	sankarananth99@gmail.com	S.SANKARANANTH ASSISTANT PROFESSOR	EEE	Excel College of Engineering Namakkal	Tamilnadu	9600234936
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6/23/2020 18:53:38	kashifahmedy2k10@gmail.com	kashifahmedy2k10@gmail.com	Kashif Ahmed Assistant Professor	Electrical and Electronics	CMR Institute of Technology Bangalore	Karnataka	8867609665
6/23/2020 18:53:51	karedi.naveenkumar@gmail.com	karedi.naveenkumar@gmail.com	Naveen Kumar Karedi HOD	Physics	V.S.K Degree & P.G College Bhimavaram	Andhra Pradesh	9949746123
6/23/2020 18:54:48	ebabujsrgi@gmail.com	ebabujsrgi@gmail.com	E.BABU Assistant Professor	Electrical and Electronics	Jai Shriram Engineering College Tiruppur	Tamil Nadu	9600270540
6/23/2020 18:55:10	saikrishnauce@gmail.com	saikrishnauce@gmail.com	BANDI SAI KRISHNA Assistant Professor	ELECTRICAL AND ELECTRONICS	VIVEKANANDA INSTITUTE KARIMNAGAR	TELANGANA	8074570114
6/23/2020 18:55:11	madhu.vinukonda259@gmail.com	madhu.vinukonda259@gmail.com	Ms.VINUKONDA MADHU STUDENT	BSC FORENSIC SCIENCE	RAJA BAHADUR VENKATRAO HYDERABAD	Telangana	+919390188594
6/23/2020 18:57:48	anasurimanisha@gmail.com	anasurimanisha@gmail.com	ANASURI MANISHA LECTURER	ELECTRICAL AND ELECTRONICS	VIVEKANANDA INSTITUTE KARIMNAGAR	TELANGANA	7893860768
6/23/2020 18:57:58	n1423j@gmail.com	n1423j@gmail.com	R. NAVANEETHAN Assistant professor	Electrical and electronics	Jayaram college of engineering Trichy	Tamilnadu	9489490106
6/23/2020 18:58:13	yadavkuriyala346@gmail.com	yadavkuriyala346@gmail.com	KURIKIALA PRASAD YALAM Lecturer	EEE	Ibri college of technology Ibri	Oman	9640505425
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6/23/2020 18:59:13	shrawanram.patel@jietjoc	shrawanram.patel@jietjoc	SHRAWAN RAM Associate professor	Electrical engineering	Jodhpur Institute of Engineering Jodhpur	Rajasthan	9251697310
6/23/2020 18:59:58	jkkd7473@gmail.com	jkkd7473@gmail.com	J.KALPANADEVY Student	Computer Science and Electronics	King College Of Engineering Tuticorin	Tamilnadu	9344930054
6/23/2020 19:01:22	tsowndarya02@gmail.com	tsowndarya02@gmail.com	SOWNDARYA. T. IV YEAR	COMPUTER SCIENCE AND ELECTRONICS	VIVEKANANDHA COLLEGE TIRUCHENGODE	TAMIL NADU	9486931931
6/23/2020 19:01:37	swathilakshmi60@gmail.com	swathilakshmi60@gmail.com	Swathilakshmi.V Assistant professor	Computer science and electronics	Sri manakula vinayagar college Puducherry	Puducherry	9655020592
6/23/2020 19:01:49	shobigaprabaharan@gmail.com	shobigaprabaharan@gmail.com	Shobiga Student	Electronics and Communication	Kings College of Engineering Thanjavur	Tamilnadu	7339133069
6/23/2020 19:02:07	gujjula.ramanareddy@gmail.com	gujjula.ramanareddy@gmail.com	Mr.RAMANAREDDY GUJJULA Associate Professor	ECE	NALANDA INSTITUTE OF ENGINEERING Sathenapalli	AP	9440552362
6/23/2020 19:02:47	jivanpatil734@gmail.com	jivanpatil734@gmail.com	Mr. Patil Jivan Bhausaheb Assistant Professor	Electrical Engineering	Fabtech Technical Campus Solapur	Maharashtra	9096259096
6/23/2020 19:03:26	sprasathme74@yahoo.co	Mech.prasath@msajce.edu	Prasath S Asso.Professor	Mechanical Engineering	Mohamed sathak A.J College CHENNAI	Tamil nadu	08248083360
6/23/2020 19:03:46	abubakkaruswa@gmail.com	abubakkaruswa@gmail.com	MOHAMED ABUBAKKAR STUDENT	INFORMATION TECHNOLOGY	JEPPIAAR SRR ENGINEERING CHENNAI	TAMILNADU	9095237475
6/23/2020 19:04:00	ponni_me@kingsindia.net	ponni_me@kingsindia.net	R.PONNI Assistant Professor	ECE	KINGS COLLEGE OF ENGINEERING Thanjavur	Tamil Nadu	+919943325183
6/23/2020 19:04:10	sharansai25@gmail.com	sharansai25@gmail.com	Dr.Sharan Shetty Professor	MBA	SAHYADRI COLLEGE MANGALURU	KARNATAKA	9902763106
6/23/2020 19:04:11	ashwanijoshi27@gmail.com	Ashwanijoshi27@gmail.com	Ashwani kumar joshi Associate professor	EE	Jodhpur institute of engineering Jodhpur	Rajasthan	9928909066
6/23/2020 19:04:34	ujeyamalar@gmail.com	ujeyamalar@gmail.com	Mrs. U. JEYAMALAR Assistant Professor	ECE	Kings College of Engineering Pudukkottai	Tamilnadu	9791468414
6/23/2020 19:04:36	rajeev3931@gmail.com	rajeev3931@gmail.com	Rajevee Ranjan Assistant professor	General Engineering	Pvppcoe, Sion Mumbai	Maharashtra	8180049271
6/23/2020 19:05:48	786shaikhabdulaziz@gmail.com	786shaikhabdulaziz@gmail.com	SHAIKH ABDULAZIZ MOHAMMED Student	MECHANICAL ENGINEERING	V. E. S POLYTECHNIC MUMBAI	Maharashtra	9324008051
6/23/2020 19:06:12	boomadev@gmail.com	boomadev@gmail.com	Dr. P. BOOMA DEVI Associate Professor	Electrical and Electronics	Christian College of Engineering Dindigul	Tamil Nadu	9952460603
6/23/2020 19:06:21	poojajain624@gmail.com	poojajain624@gmail.com	Pooja Jain Assistant Professor	Electrical Engineering	SKIT M & G, Jaipur, Rajasthan Jaipur	Rajasthan	+919785050506
6/23/2020 19:06:23	rykamal@gmail.com	rykamal@gmail.com	R.KAMALA KANNAN PRINCIPAL	ELECTRONICS AND COMMUNICATION	A.R.J POLYTECHNIC COLLEGE MANNARGUDI	TAMIL NADU	9442403643
6/23/2020 19:06:42	Lavenya_77@yahoo.co.in	Lavenya_77@yahoo.co.in	Lavenya Murugesan B. Tech	Biotechnology	ICICI BANK LTD MUMBAI MUMBAI	MAHARASHTRA	8779194767
6/23/2020 19:06:43	arunam@acharya.ac.in	arunam@acharya.ac.in	Dr Aruna M Asst Professor	EEE	Acharya institute of technology Bangalore	Karnataka	7760900335
6/23/2020 19:06:56	kommandurisrinivas@gmail.com	kommandurisrinivas@gmail.com	Mr. KOMMANDURI SRINIVAS Assistant Professor	Electrical and Electronics	PSCMR college of engineering Vijayawada	Andhra Pradesh	09948204921
6/23/2020 19:06:57	saieswar29@gmail.com	saieswar29@gmail.com	KOMMOJU NAGA DURGA Assistant Professor	EEE	QIS COLLEGE OF ENGINEERING ONGOLE	Andhra Pradesh	9493503590
6/23/2020 19:07:09	sakthivelr8@gmail.com	sakthivelr8@gmail.com	R.SAKTHIVEL Assistant Professor	ELECTRONICS AND INSTRUMENTATION	PANIMALAR ENGINEERING CHENNAI	TAMILNADU	9159804302
6/23/2020 19:07:53	deepak.v1304@gmail.com	deepak.v1304@gmail.com	Deepak Raj. V Student	EEE	Panimalar engineering college Chennai	Tamilnadu	9962096154
6/23/2020 19:08:35	akshayakavitha26@gmail.com	akshayakavitha26@gmail.com	L. R. Akshaya Assistant Professor	English	Kongu Arts and Science College Erode	Tamilnadu	9524599767
6/23/2020 19:08:51	vkottaregu@gmail.com	vkottaregu@gmail.com	K.REGUBALAN LAB/TECH	EEE	KINGS COLLEGE OF ENGINEERING PUNALKULAM	TAMIL NADU	9786281792
6/23/2020 19:09:07	kirthana.opj1999@gmail.com	kirthana.opj1999@gmail.com	Kirthana.p.j BE	EEE	RMD Engineering College CHENNAI	TAMIL NADU	7395887765

Timestamp	Email Address	E-Mail ID	Name of the Participant ( & Designation	Department	Name of the Organisation	City	State	Mobile No. (Whatapp)
6/23/2020 19:09:43	singhnk.2176@gmail.com	singhnk.2176@gmail.com	Mr. NAVEEN KUMAR SIN Faculty	Applied Science	Institute of Engineering & Alwar	Rajasthan	7833879911	
6/23/2020 19:10:40	jagadeesan.kj@gmail.com	jagadeesan.kj@gmail.com	K J.JAGADEESAN Assistant Professor	EEE	ARIGNAR ANNA INSTITUT Chennai	Tamilnadu	9842362078	
6/23/2020 19:10:48	geetha11092000@gmail.com	geetha11092000@gmail.com	GEETHA P III_ECE	ECE	KARPAGAM INSTITUTE COIMBATORE	TAMILNADU	9080560863	
6/23/2020 19:10:56	uee17212@rmd.ac.in	uee17212@rmd.ac.in	MOHAN.S BE	EEE	RMD Engineering College CHENNAI	TAMIL NADU	8939599158	
6/23/2020 19:11:51	kailash.mtech3@gmail.com	kailash.mtech3@gmail.com	B KAILASH KRISHNA PR ASSISTANT PROFESSOR	EEE	Dr. K. V. SUBBA REDDY Kurnool	Andhra Pradesh	9502874882	
6/23/2020 19:11:53	roshini892000@gmail.com	roshini892000@gmail.com	Roshini.E Student	<a href="#">B.com</a>	Sri kanyaka parameswari Chennai	Tamilnadu	9962718227	
6/23/2020 19:11:58	gajulapatisuvarchaladevi@gmail.com	gajulapatisuvarchaladevi@gmail.com	G.Suvarchala devi Lecturer	Physics	Sri Y.N College, Narsapur Narsapur	AP	7673997567	
6/23/2020 19:12:05	simha27@gmail.com	simha27@gmail.com	Narasimha Rao Yalavarth Asst.Prof	EEE	Mallareddy Engineering Co Madchal	Talangana	7416488208	
6/23/2020 19:12:07	pviswanathv@gmail.com	pviswanathv@gmail.com	PANIBHATE VISWANATH Assistant professor	Computer science and en	SVIT Anand	Andhra Pradesh	8019590686	
6/23/2020 19:12:16	singh.divyansh49@gmail.com	singh.divyansh49@gmail.com	Mr. Divyansh Singh Student	Mechanical Engineering	J.S UNIVERSITY SHIKO Agra	Uttar Pradesh (UP)	7417468275	
6/23/2020 19:12:24	praveenantoneee@gmail.com	praveenantoneee@gmail.com	ANTON AMALA PRAVEE ASSISTANT PROFESSOR	EEE	K.RAMAKRISHNAN COL MADURAI	Tamil Nadu	+919791681867	
6/23/2020 19:12:29	kalaiyarasi5mari@gmail.com	Kalaiyarasi5mari@gmail.com	KALAIYARASI.M Ms	Electronic and communic	AL AMEEN ENGINEERIN Erode	Tamil nadu	7639593321	
6/23/2020 19:12:34	anjibabubandaru@gmail.com	Anjibabubandaru@gmail.com	B. Anjibabu Assistant professor	EEE	NIST Macherla	Andhrapradesh	9703437318	
6/23/2020 19:13:09	paraspratap173@gmail.com	Paraspratap173@gmail.com	Paras pratap singh Student	ECE	Aditya institute of technol Delhi	Delhi	8076281935	
6/23/2020 19:13:38	deepakpopsaran@gmail.com	deepakpopsaran@gmail.com	DEEPAKSARAN R III-EEE	EEE	KARPAGAM INSTITUTE COIMBATORE	TAMILNADU	8675753023	
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6/23/2020 19:13:50	yadala.balaram@gmail.com	yadala.balaram@gmail.com	Y.V.Balarama Krishna Ra Professor	Electrical and Electronics	Krishna Chaitanya Institut Markapur	Andhra Pradesh	9849350347	
6/23/2020 19:13:58	uit19121@rmd.ac.in	Uit19121@rmd.ac.in	M.KEERTHANA STUDENT	INFORMATION TECHNO	RMD ENGINEERING CO KAVARAIPETTAI	TAMIL NADU	9710445087	
6/23/2020 19:14:56	shanmugapriya300@gmail.com	shanmugapriya300@gmail.com	SHANMUGAPRIYA G Assistant Professor	EEE	Dhirajlal Gandhi College c Salem	Tamilnadu	9715760821	
6/23/2020 19:15:46	priyapriyanka9487@gmail.com	priyapriyanka9487@gmail.com	PRIYANKA.K Student	Electronics And Communi	Avinashilingam Institute F Coimbatore	TamilNadu	9487400689	
6/23/2020 19:16:36	sridevi6123@gmail.com	sridevi6123@gmail.com	SRIDEVI.O.A ASSISTANT PROFESSOR	SCIENCE AND HUMANIT	KARPAGAM INSTITUTE COIMBATORE	Tamilnadu	8903610362	
6/23/2020 19:17:16	sajjayakumar123@gmail.com	J. Jayakumar Assistant professor	EEE	Krishnasamy college of er Cuddalore	Tamilnadu	98894153770		
6/23/2020 19:18:42	vasudevan781@gmail.com	vasudevan781@gmail.com	P.VASUDEVAN Assistant Professor	Electrical and Electronics	SMK Fomra Institute of Te Chennai	Tamil Nadu	999466781	
6/23/2020 19:19:40	geethamai575@gmail.com	geethamai575@gmail.com	A.G.GEETHA MAI STUDENT	ECE	SSM INSTITUTE OF ENC DINDIGUL	TAMILNADU	9360808737	
6/23/2020 19:20:20	vinodmondi@gmail.com	Vinodmondi@gmail.com	M.Vinod Kumar Assistant professor	EEE	Jbiet Hyderabad	Telangana	9652223825	
6/23/2020 19:20:49	gkvarma18@gmail.com	gkvarma18@gmail.com	Gadiraju Kiran Varma Assistant professor	MCA	Dr.C.S.Rao P.G.Centre, S NARSAPUR	ANDHRA PRADESH	9492492453	
6/23/2020 19:21:11	narayanp226@gmail.com	narayanp226@gmail.com	Narayan Ram Patel Asst. Prof.	Electrical engineering	CLG Institute of engineeri Pali	Rajasthan	9929671083	
6/23/2020 19:21:35	chiranjeevmishra041@gmail.com	chiranjeevmishra041@gmail.com	CHIRANJEEV KUMAR M Student	B.Tech(Electrical enginee	Central University of Hary Madhubani	Bihar	9728542648	
6/23/2020 19:21:44	rsanthiyaa97@gmail.com	rsanthiyaa97@gmail.com	R.santhiya Pg student	EEE	Kings college of engineeri Thanjavur	Tamil nadu	9994586936	
6/23/2020 19:22:25	chandrasingh.mtech@gmail.com	chandrasingh.mtech@gmail.com	B.CHANDRASINGH Assistant Professor	EEE	JBIEI Hyderabad	Telangana	9247895035	
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6/23/2020 19:23:01	sureshm.v.maths@spiher.com	sureshm.v.maths@spiher.com	Mr.M.V. SURESH Assistant Professor	Mathematics	St.Peter's Institute of High Avadi	Tamil Nadu	8056189677	
6/23/2020 19:23:13	ktm.mani85@gmail.com	ktm.mani85@gmail.com	M. VEERAMANI Lecturer	Electrical and Electronics	Periyar Centenary Polytec Thanjavur	Tamil Nadu	7871730345	
6/23/2020 19:24:13	dhivyan30@gmail.com	dhivyan30@gmail.com	DHIVYA.N Student	Biotechnology	Holy Cross College Cuddalore	Tamil Nadu	8838225984	
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6/23/2020 19:25:36	kkhandan@gmail.com	kkhandan@gmail.com	DR. K. LAKSHMI KHAND PROFESSOR	EEE	ADHIPARASAKTHI COLL VELLORE	Tamil Nadu	+919894904203	
6/23/2020 19:27:10	mail2sujithnagaraj@gmail.com	mail2sujithnagaraj@gmail.com	Sujith N Student	EEE	SRM Valliammai Enginee Coimbatore	India	9790298945	
6/23/2020 19:27:59	sudhime2011@gmail.com	sudhime2011@gmail.com	THANDAYUTHAPANI R ASSISTANT PROFESSOR	ELECTRONICS AND CO	KINGS COLLEGE OF EN THANJAVUR	TAMIL NADU	9943347956	
6/23/2020 19:28:18	msubramanian15@gmail.com	msubramanian15@gmail.com	SUBRAMANIAN. M Head of the department	Electrical and Electronic e	Thanthai roever institute c Perambalur	Tamilnadu	9843217855	
6/23/2020 19:29:35	ageesofficials@gmail.com	ageesofficials@gmail.com	Dr.C.AGEEES KUMAR PROFESSOR	EEE	ARUNACHALA COLLEGE NAGERCOIL	TAMILNADU	9994174074	
6/23/2020 19:30:37	thallavishnu2015@gmail.com	thallavishnu2015@gmail.com	THALLA VISHNU LECTURER	ELECTRICAL AND ELEC	VIVEKANANDA INSTITU KARIMNAGAR	TELANGANA	9550313434	
6/23/2020 19:30:44	sramarajan_ramu@yahoo.com	sramarajan_ramu@yahoo.com	S. Ramarajan Assistant Professor	ECE	Kings College of Enginee Pudukkottai	Tamilnadu	9994705203	
6/23/2020 19:31:21	kv9866927593@gmail.com	kv9866927593@gmail.com	K VIJAY KUMAR Associate Professor	Electrical and Electronics	DADI Institute of Enginee Visakhapatnam	Andhra Pradesh	9866927593	
6/23/2020 19:32:02	uarul.kumar55@gmail.com	uarul.kumar55@gmail.com	ARULKUMAR U Electrical Engineer	Electrical	VARFMS Gachibowli	Telangana	+918144271424	
6/23/2020 19:32:53	jhansilaxmi.b975@gmail.com	jhansilaxmi.b975@gmail.com	B Jhansi Lakshmi Demonstrator	Physics	Sri YN College Narsapur	Andhrapradesh	8186041388	

Timestamp	Email Address	E-Mail ID	Name of the Participant ( & Designation	Department	Name of the Organisation City	State	Mobile No. (Whatapp)	
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6/23/2020 19:33:34	manjunath.eee@agadien.com	manjunath.eee@agadien.com	MANJUNATH VYAPARI	Assistant Professor	EEE	SKSVMACET LAXMESH Laxmeshwar	Karnataka	9738703323
6/23/2020 19:33:44	venkateshkumar.s@src.ac.in	venkateshkumar.s@src.ac.in	VENKATESH KUMAR S	Assistant Professor	Electrical and Electronics	Sri Ramakrishna Engineering College Coimbatore	Tamilnadu	9003646769
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6/23/2020 19:39:57	preethi.lakshmeesh@gmail.com	preethi.lakshmeesh@gmail.com	PREETHI L	Research Scholar	EEE (Power Systems)	UVCE Bangalore	State	9535801973
6/23/2020 19:41:30	nathanumeshk1199@gmail.com	nathanumeshk1199@gmail.com	K.ULAGANATHAN	Students	Mechanical Engineering	Erode sengunthar Engineering College Erode	Tamil Nadu	+919750402967
6/23/2020 19:41:37	indunagu2013@gmail.com	indunagu2013@gmail.com	Pasupuleti indira kumari	Lecture	Computers	V.s.k.Degree college bhimavaram	Andra pradesh	8333823369
6/23/2020 19:42:57	sharmi.saki@gmail.com	sharmi.saki@gmail.com	S.SHARMILA BANU	Assistant professor	Mathematics	Karpagam institute of technology Coimbatore	Tamilnadu	9677498796
6/23/2020 19:43:41	sakthimekings@gmail.com	sakthimekings@gmail.com	SAKTHIVEL S	ASSISTANT PROFESSOR	EEE	KINGS COLLEGE OF ENGINEERING THANJAVUR	TAMILNADU	9789690496
6/23/2020 19:43:46	kishor.jadhav92921@gmail.com	kishor.jadhav92921@gmail.com	Jadhav Kishor Pratap	Assistant professor	Electrical engineering	FTC COER SANGOLA malshiras	Maharashtra	09881191198
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6/23/2020 19:49:51	bharathiavcraja@gmail.com	bharathiavcraja@gmail.com	S. BHARATHIRAJA	ASST. PROFESSOR	ECE	A. V. C COLLEGE OF ENGINEERING MAYILADUTHURAI	TAMILNADU	9626391845
6/23/2020 19:51:40	dhanasekar@avccengg.ac.in	dhanasekar@avccengg.ac.in	Dr.N.Dhanasekar	Professor	EEE	AVC COLLEGE OF ENGINEERING MAYILADUTHURAI	TAMILNADU	9443578497
6/23/2020 19:52:17	prakashvaiju@gmail.com	prakashvaiju@gmail.com	PRAKASH C	Assistant professor	Electrical and Electronics	JCT COLLEGE OF ENGINEERING COIMBATORE	Tamilnadu	7010120569
6/23/2020 19:52:22	lakshmibe07@gmail.com	lakshmibe07@gmail.com	LAKSHMI PRIYA G	Assistant professor	Electronics and Instrumentation	RMD Engineering College Coimbatore	Tamil Nadu	07010687662
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6/23/2020 19:55:00	mjanani8322@gmail.com	mjanani8322@gmail.com	Subhashini M	Student	EEE	M kumarasamy college of Karur	Tamilnadu	9940434353
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6/23/2020 19:56:35	psvarshav20@gmail.com	psvarshav20@gmail.com	C. PON SRI VARSHAV	II Year	ECE	SRI SAI RAM POLYTECHNIC Chennai	Tamil Nadu	7358449434
6/23/2020 19:58:34	leninbabu.ch@svcolleges.ac.in	leninbabu.ch@svcolleges.ac.in	Ch. Lenin Babu	Assistant Professor	EEE	Sri Venkateswara Engineering College Tirupati	Andhra Pradesh	8074417356
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6/23/2020 19:59:58	gowdachiranth7@gmail.com	gowdachiranth7@gmail.com	Chiranth LN	Assistant Professor	EEE	SJB Institute of Technology Bangalore	Karnataka	9008938319
6/23/2020 20:02:59	vsaranaec@yahoo.co.in	vsaranaec@yahoo.co.in	Dr. V. SARAVANAN	Professor	Electrical and Electronics	Arunai Engineering College Tiruvannamalai	Tamil Nadu	9995062645
6/23/2020 20:03:22			Homraj Khobragade	Student	Electrical Engineering	SVP CET Nagpur	Maharashtra	000000
6/23/2020 20:03:25	surendharg2002@gmail.com	surendharg2002@gmail.com	G.Surendhar	Student	Electrical and Electronics	Periyar Centenary Polytechnic Thanjavur	Tamilnadu	9442348246
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6/23/2020 20:04:51	murugan.acetw@gmail.com	murugan.acetw@gmail.com	MURUGAN K	Assistant Professor	Electrical and Electronics	RAAK COLLEGE OF ENGINEERING Puducherry	Puducherry	09786012088
6/23/2020 20:05:55	rashmi@osgu.ac.in	rashmi@osgu.ac.in	Rashmi	Assistant Professor	Physics	OM Sterling Global University Hisar	Haryana	8053000677
6/23/2020 20:08:46	aadhinaruna1980@gmail.com	aadhinaruna1980@gmail.com	Mrs.ARUNA DEVI	Assistant professor	ELECTRONICS and communication	SACS MAVMM ENGINEERING MADURAI	Tamilnadu	8056840029
6/23/2020 20:09:03	subhashini@aaacet.ac.in	subhashini@aaacet.ac.in	G.Subhashini	Assistant professor	ECE	AAA COLLEGE OF ENGINEERING sivakasi	Tamilnadu	9042899481
6/23/2020 20:09:57	hardevindersinghbal@gmail.com	Hardevindersinghbal@gmail.com	Mr. Hardevinder Singh	Research Scholar	Punjabi	Lovely Professional University AMRITSAR	PUNJAB	9779147049
6/23/2020 20:10:23	cirpa2000@gmail.com	cirpa2000@gmail.com	CIRPA A	3rd YEAR	ELECTRICAL AND ELECTRONICS	NPR COLLEGE OF ENGINEERING Madurai	Tamil Nadu	7397080903
6/23/2020 20:11:10	msamyuktha16@gmail.com	msamyuktha16@gmail.com	M.SAMYUKTHA	ASSISTANT PROFESSOR	ELECTRONICS AND COMMUNICATION	SACS MAVMM ENGINEERING MADURAI	TAMIL NADU	8667230730
6/23/2020 20:12:07	samudralasaidarao@gmail.com	samudralasaidarao@gmail.com	Mr. Saidarao Samudrala	Assistant professor	ECE	Newton's Institute Of Engineering Macherla	Andhra Pradesh	8096848523
6/23/2020 20:14:11	durgadevirj858@gmail.com	durgadevirj858@gmail.com	S L N Durga Devi	Demonstrator	Electronics	Sri Y N College (Autonomous) Narsapur	Andhra pradesh	9553973570
6/23/2020 20:14:27	arul_eee@kingsindia.net	arul_eee@kingsindia.net	Arulmozhi. N	Assistant Professor	Electrical and Electronics	Kings College of Engineering Punalkulam Pudukottai	Tamilnadu	9600912918
6/23/2020 20:14:44	shivakumarjits@gmail.com	shivakumarjits@gmail.com	RUDROJU SHIVAKUMAR	ASSISTANT PROFESSOR	ELECTRICAL AND ELECTRONICS	JYOTHISHMATHI INSTITUTE KARIMNAGAR	TELANGANA	9908937460
6/23/2020 20:15:31	lksheera@gitam.edu	lksheera@gitam.edu	K LOKESWARA RAO	Assistant professor	Electrical and Electronics	GITAM SCHOOL OF TECHNOLOGY BANGALORE	Karnataka	07411534624
6/23/2020 20:17:14	uee19116@rmd.ac.in	uee19116@rmd.ac.in	GURU RAM VIGNESH.M	Student	EEE	R.M.D Engineering College Madurai	Tamil Nadu	9043175482
6/23/2020 20:17:27	ramachandran5029@gmail.com	ramachandran5029@gmail.com	Ramachandran	Construction Manager	EEE	Shanghoe Engineering Private Limited Singapore	Singapore	+6583798579
6/23/2020 20:19:14	agalya158273@gmail.com	agalya158273@gmail.com	Agalya K	Lecturer	Computer Engineering	A.V.C.Polytechnic College Mayiladuthurai	Tamilnadu	9655242293
6/23/2020 20:20:41	arockia.samy444@gmail.com	arockia.samy444@gmail.com	B AROCKIASAMY	Assistant professor	EEE	Jayalakshmi institute of Technology Dharmapuri	Tamilnadu	9952270848
6/23/2020 20:22:42	y.v.niranjan Kumar@gmail.com	y.v.niranjan Kumar@gmail.com	Y.V Niranjan Kumar	Assistant Professor & Incharge	EEE	Sree Venkateswara College Nellore	Andhrapradesh	7032653099
6/23/2020 20:23:23	asokvdp@gmail.com	asokvdp@gmail.com	S.ASOKKUMAR	LECTURER (Sr Gr)	EEE	VALIVALAM DESIKAR POLYTECHNIC NAGAPATTINAM	TAMILNADU	+919443526612

Timestamp	Email Address	E-Mail ID	Name of the Participant ( & Designation	Department	Name of the Organisation City	State	Mobile No. (Whatapp)
6/23/2020 20:25:19	nithyashreebalu200031@gmail.com	nithyashreebalu200031@gmail.com	B.NITHYASREE Student	Electronics and communication	Meenakshi Sundarajan Engineering College Chennai	Tamil Nadu	7550251035
6/23/2020 20:26:34	yuvsheka@gmail.com	yuvsheka@gmail.com	K.Sheela Sobana Rani Associate Professor	Electrical and Electronics	Sri Ramakrishna Institute of Technology Coimbatore	Tamilnadu	9442933334
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6/23/2020 20:28:36	vasumathi050501@gmail.com	vasumathi050501@gmail.com	VASUMATHI R BE	Electrical and electronics	Roever engineering college Perambalur	Tamilnadu	9384467259
6/23/2020 20:29:35	tsenthilkumareee@gmail.com	tsenthilkumareee@gmail.com	SENTHILKUMAR T Assistant Professor	EEE	Er.Perumal Manimekalai College of Engineering Hosur	TamilNadu	9787129858
6/23/2020 20:30:25	glorypriyadharshini.eee@gmail.com	glorypriyadharshini.eee@gmail.com	Ms. GLORY PRIYADHAR Assistant professor	EEE	Sri Ramakrishna Institute of Technology Coimbatore	Tamilnadu	8903612342
6/23/2020 20:34:00	gurusarandev28@gmail.com	gurusarandev28@gmail.com	GURUSARAN.S Student	EEE	M.KUMARASAMY COLLEGE OF ENGINEERING KARUR	TAMILNADU	9597653297
6/23/2020 20:34:38	saideepakmuvvala@gmail.com	saideepakmuvvala@gmail.com	VENKATA SIVA SAI PAVAN STUDENT	ECE	KKR AND KSR INSTITUTE OF TECHNOLOGY Guntur	Andhra Pradesh	07997187550
6/23/2020 20:35:13	psmurugan27501@gmail.com	psmurugan27501@gmail.com	SAKTHIMURUGAN.P Student	Electrical and Electronics	K.Ramakrishnan college of Engineering Trichy	Tamil Nadu	9095609003
6/23/2020 20:35:19	priyaudagiri777@gmail.com	priyaudagiri777@gmail.com	U.Hari priya Demonstrator	Electronics	Sri Y N College Narsapur	Andhra pradesh	7032352942
6/23/2020 20:38:23	mtmanimohan@yahoo.co.in	mtmanimohan@yahoo.co.in	T.MANIMOHAN LECTURER	EEE	TAGORE ENGINEERING COLLEGE Chennai	Tamil nadu	7845447254
6/23/2020 20:38:30	snmunees91@gmail.com	snmunees91@gmail.com	NAGAMUNEESWARAN ASSISTANT PROFESSOR	EEE	FATIMA MICHAEL COLLEGE OF ENGINEERING Madurai	Tamilnadu	9791472679
6/23/2020 20:39:25	vimal.saran2006@gmail.com	Vimal.saran2006@gmail.com	A.VIMALA HOD	EEE	Sri Adhisanthkarar polytechnic Trichy	Tamil Nadu	8825928110
6/23/2020 20:40:31	rajeswarikings@gmail.com	rajeswarikings@gmail.com	N.Rajeswari Assistant Professor	EEE	Kings College of Engineering Pudukkottai	Tamil nadu	9486239336
6/23/2020 20:41:19	kadhirs@gmail.com	kadhirs@gmail.com	KADIRAVAN S G Lecturer	Electrical and Electronics	Seshasayee Institute of Technology Trichy	Tamilnadu	9894208878
6/23/2020 20:41:54	souravbag772001@gmail.com	souravbag772001@gmail.com	Sourav Bag Student	Computer science and engineering	Bengal College of Engineering Bardhaman	West Bengal	8167309481
6/23/2020 20:42:41	prabhamaheswari.eee@gmail.com	prabhamaheswari.eee@gmail.com	Prabha Maheswari M Assistant Professor	EEE	Sri Ramakrishna Institute of Technology Coimbatore	Tamil nadu	9842520211
6/23/2020 20:43:25	latha.nst@gmail.com	latha.nst@gmail.com	A LATHAMARAGATHAM ASSISTANT PROFESSOR	PHYSICS	KARPAGAM INSTITUTE OF TECHNOLOGY COIMBATORE	TAMILNADU	8072786679
6/23/2020 20:49:06	varun.gupta@kiet.edu	varun.gupta@kiet.edu	VARUN GUPTA Assistant Professor	EIE	KIET GHAZIABAD GHAZIABAD	UP	9045440911
6/23/2020 20:50:08	anshuguptaccs@gmail.com	anshuguptaccs@gmail.com	ANSHU GUPTA Assistant Professor	Education	IIMT UNIVERSITY MEERUT Meerut	UP	7300540865
6/23/2020 20:53:22	hcetexam2018@gmail.com	hcetexam2018@gmail.com	JAVED HUSSAIN ANSARI ASST PROFESSOR	EEE	HCET JBP JABALPUR	Madhya pradesh	7987311586
6/23/2020 20:54:24	lakshmiipriya8231@gmail.com	lpriyasridhar@yahoo.com	M.LAKSHMI PRIYA ASSISTANT PROFESSOR	ELECTRICAL AND ELECTRONICS	VI INSTITUTE OF TECHNOLOGY CHENGALPATTU	TAMIL NADU	9843780803
6/23/2020 20:56:27	kushal.lodha89@gmail.com	kushal.lodha89@gmail.com	KUSHAL LODHA Assistant Professor	Electrical Engineering	JSPMS RSCOE Tathawade	Maharashtra	9096086471
6/23/2020 20:57:20	sjanbalagan@gmail.com	sjanbalagan@gmail.com	Mr.S.Anbalagan Assistant professor	Electrical and Electronics	Anjalai Ammal Mahalingam Engineering College Thiruvavur	Tamilnadu	9585776176
6/23/2020 20:57:59	krishnanandar709142@gmail.com	krishnanandar709142@gmail.com	Krishnananda R Student	Electronics and Communication	Bangalore technological Institute Bangalore	Karnataka	9164685013
6/23/2020 21:00:34	rajae.561@gmail.com	rajae.561@gmail.com	G.RAJARAMAN HOD	Electrical and Electronics	Periyar centenary polytechnic Thanjavur	Tamilnadu	8778457262
6/23/2020 21:03:05	gokulruban06@gmail.com	gokulruban06@gmail.com	Rubakumar.B III BE	EEE	NPR college of engineering Dindigul	Tamil Nadu	08072364042
6/23/2020 21:08:29	vsaranaec@yahoo.co.in	vsaranaec@yahoo.co.in	Dr. V. SARAVANAN Professor	Electrical and Electronics	Arunai Engineering College Tiruvannamalai	Tamil Nadu	9994062645
6/23/2020 21:14:23	harishwarannk@gmail.com	harishwarannk@gmail.com	N.K.HARISHWARAN Student	Electrical And Electronics	K.Ramakrishnan college of Engineering Trichy	Tamil Nadu	8144228176
6/23/2020 21:15:00	dhineshpsgcas@gmail.com	dhineshpsgcas@gmail.com	J.DINESHKUMAR Assistant Professor	ECS	VLBJ CAS Coimbatore	Tamilnadu	9715144274
6/23/2020 21:16:19	mail2mahendrans@gmail.com	mail2mahendrans@gmail.com	MAHENDRAN S Associate Professor	EEE	K S RANGASAMY COLLEGE OF ENGINEERING Sankari	TAMILNADU	8610737644
6/23/2020 21:18:31	gomathy.eee@srit.org	gomathy.eee@srit.org	S.GOMATHY Assistant Professor	Electrical and Electronics	Sri Ramakrishna Institute of Technology Coimbatore	Tamil Nadu	9789671201
6/23/2020 21:19:16	Kumarvel@ibrict.edu.om	Kumarvel@ibrict.edu.om	Dr.G.Kumaravel Lecturer	Engineering Department	Ibri College of Technology Ibri	Ibri	+96899687538
6/23/2020 21:33:55	hanumanpatel11@GMAIL.COM	hanumanpatel11@GMAIL.COM	Hanuman Assistant Professor	Electrical Engineering	MIT JADAN PALI RAJA Jodhpur	Rajasthan	9982027210
6/23/2020 21:36:08	pandiyani033@gmail.com	pandiyani033@gmail.com	G.Pandiyani Assistant Professor	EEE	K.S.K College of Engineering Thanjavur	Tamil Nadu	9994490831
6/23/2020 21:36:18	abudhagir2k@gmail.com	abudhagir2k@gmail.com	ABUDHAGIR. K student	electrical and electronics	NPR COLLEGE OF ENGINEERING madurai	Tamilnadu	9150609160
6/23/2020 22:23:11	moorthyvelu1@gmail.com	moorthyvelu1@gmail.com	Moorthy Veluchamy Assistant Professor	Electronics and communication	Pandian Saraswathi yadav Madurai	Tamil nadu	8300086183
6/23/2020 22:24:09	subbutanjaoor@gmail.com	subbutanjaoor@gmail.com	TANJAOOR V SUBBARA ASSISTANT PROFESSOR	EEE	Narayana Engineering College Nellore	Andhra Pradesh	9701245312



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Punalkulam, Near Thanjavur, Pudukkottai Dt - 613 303



## Department of Electrical & Electronics Engineering

### Five Days FDP on

# “Recent Advancements and Technologies in Electrical Engineering - A Research Perspective”

TIME : 5.00 p.m to 6.00 p.m



**Dr.S.Rama Reddy**  
Former AE - TCE, Dean - EEE  
Rajalakshmi Engineering College, Chennai  
Title: Recent Trends in E -Vehicles.

13<sup>th</sup> July  
2020  
MONDAY



**Dr.A.Deepanchakkaravarthy**  
Assistant Professor/EEE  
Bannari Amman Institute of Technologies  
Title: Role of STATCOM in Distribution Systems.

14<sup>th</sup> July  
2020  
TUESDAY



**Mr.M.Vijayakumar**  
Associate Prof & Director (consultancy services)  
E.G.S.Pillay Engg College (Autonomous), Nagapattinam  
Title: Product Design & Simulation Using Arduino.

15<sup>th</sup> July  
2020  
WEDNESDAY



**Dr.S.Sivakumar**  
Vice Principal  
Kings College of Engineering, Punalkulam  
Title: Optimization Using Multi Objective Genetic Algorithm.

16<sup>th</sup> July  
2020  
THURSDAY



**Mr.S.Selvakumar**  
Head - Engineering & Design Power Projects  
Title: Role of Energy Storage in Future Power System.

17<sup>th</sup> July  
2020  
FRIDAY

E-Certificate will be provided to all the participants

Registration Link : <https://forms.gle/h1GHo1dco7ogavvw5>

Mr.R.Sundaramoorthi, AP/EEE  
Mr.J.Arokiaraj, AP/EEE  
Mr.S.R.Karthikeyan, AP/EEE  
Coordinators

Dr.A.Albert Martin Ruban  
HOD/EEE

Dr.J.Arputha Vijaya Selvi  
Principal



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING  
FIVE DAYS ONLINE FDP

On

"Recent Advancements and Technologies in Electrical Engineering-A Research Perspective"  
13<sup>th</sup> July- 17<sup>th</sup> July, 2020

REPORT

The Department of Electrical and Electronics Engineering, IEEE Student branch and MHRD'S Institutions Innovation Cell have jointly organized a five days Faculty Development Programme on "Recent Advancements and Technologies in Electrical Engineering-A Research Perspective" during 13.7.2020 - 17.7.2020. The main objective of this FDP is to provide a forum to exchange views, ideas & the latest research and solutions in the field of Electrical Engineering. It provides a platform for the Teaching Faculties, Research scholars and Industrial person to upgrade and share their knowledge in the flowing fields of Electrical Engineering. In addition, this programme will help to improve the faculty's ability in carrying out research in this field and to bring up professional discussions on research issues and solutions.

**Resource persons:**

13.7.2020 :Session 1: "Recent Trends in E-Vehicles" by Dr.S.RamaReddy

Former AE, Dean-EEE, Rajalakshmi Engineering College, Chennai

14.7.2020: Session 2: "Role of STATCOM in Distribution Systems" by Dr.A.Dheepanchakkavarthy,  
Assistant Professor/EEE, Bannari Amman Institute of Technology, Erode

15.7.2020: Session 3: "Product Design and Simulation using Arduino"

. Prof.M.Vijayakumar, Associate Professor/EEE and Director (Consultancy services)  
E.G.S Pillay Engineering College (Autonomous), Nagapattinam

16.7.2020: Session 4: Optimization using Multiobjective Genetic Algorithm

Dr.S.Sivakumar, Professor/EEE, Kings College of Engineering

17.7.2020: Session 5: Role of Energy storage in Future Power systems

Mr.S.Selvakumar, Head-Engineering and Design, Power Projects

**Convener:**

Dr.A.Albert Martin Ruban, Associate Professor & Head / EEE

**Coordinators:**

1. Mr.R.Sundaramoorthi, Assistant Professor / EEE
2. Mr.J.Arokiaraj, Assistant Professor / EEE
3. Mr.S.R.Karthikeyan, Assistant Professor / EEE

**Inaugural Session:**

Inaugural session was started by 4.50 P.M presided over by Dr.J.Arputha Vijaya selvi, Principal and special address delivered by Dr S.Sivakumar, Vice Principal. The dignitaries during the online inaugural session were, Dr.A.Albert Martin Ruban, Head / EEE, Resource person and all the Program Coordinators .The program was started with Welcome address delivered by Dr.A.Albert Martin Ruban, Head / EEE and Introduction about FDP was delivered by Mr.R.Sundaramoorthi, Assistant Professor/EEE.

**Participants:**

External : 156

Internal :30

Total : 186

**Session 1- "Recent Trends in E-Vehicles" by Dr.S.RamaReddy Former AE, Dean-EEE, Rajalakshmi Engineering College, Chennai**

\_ In the first day of FDP, resource person Dr.S.Ramareddy has started general Introduction about Electric Vehicles. During the session he has explained about all the basics of Electric drives and applications. Then he has given complete overview of Vehicles principles, types and applications. He also has given how to design vehicle and can be used in research applications. During the session, the participants were actively interacted with the resource person.

**Session 2: "Role of STATCOM in Distribution Systems" by Dr.A.Dheepanchakkravarthy, Assistant Professor/EEE, Bannari Amman Institute of Technology, Erode**

In the second day of FDP, session has started by 5.00 p.m after the Introduction. During the session resource person has given an idea about Distributed Generation and he has explained how STATCOM works and can be used in Power Quality Improvements. Through demonstrated pictures of distributed Generation he has given idea about how to solve the research problems in distributed Generation. Finally he has mentioned that research areas and solutions in Distributed Generation. The session was very informative and the participants were interacted with the resource person.

**Session 3: "Product Design and Simulation using Arduino" by Prof.M.Vijayakumar Associate Professor/EEE and Director(Consultancy services)**

In the Day-3, session has started by 5.00 p.m after the Resource person Introduction. During the session resource person has given an idea about the need for Product Design and scope of simulation. Initially he has started with different types of products used in Project Design and he has explained how different software tools are used in Design field. Through demonstrated pictures of different types of components such as controllers and processors he has given idea about how to design a simple product. Finally he has mentioned that using different software tools and different Electronics components can solve research problems and solutions in Electrical Engineering. The session was very informative and the participants were interacted with the resource person.

**Session 4: "Optimization using Multiobjective Genetic Algorithm "by Professor/EEE, Kings College of Engineering.**

In the fourth day of FDP, Dr.S.Sivakumar,Professor/EEE, has started the lecture from basics of optimization techniques. Then he has given idea about how to solve the Multiobjective problems using some Examples. He has explained in detail and Multiobjective Genetic Algorithms. He has given detailed concepts of Genetic Algorithms flow chart and basic definitions etc. During this session, resource person has elaborated the GA tools for various research problems. This session was very interactive.

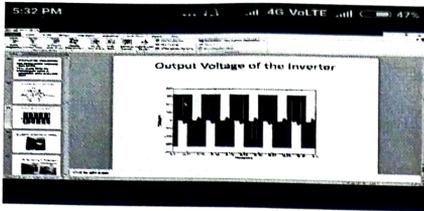
**Session 5: "Role of Energy Storage in future Power system" by Dr.M.Meenalochani, Assistant Professor/EEE, Kings College of Engineering.**

In the fourth day of FDP, Mr.S.Selvakumar, Head-Engineering &Design Power Projects has delivered a lecture on "Role of Energy storage in future power systems". He has given detailed basic concepts of Energy storage and statistical report of Energy production. Then, he has explained about different types of Energy storage systems and software tools used in Power systems. This session was very informative.

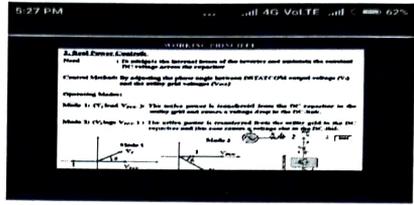
**Valedictory Function:**

The feedbacks from the participants were collected. Mr.J.Arokiarj,AP/EEE delivered the vote of thanks.Participants certificates were distributed through Email.

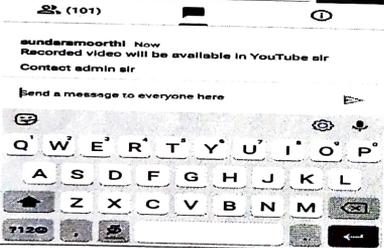
# Event Photographs



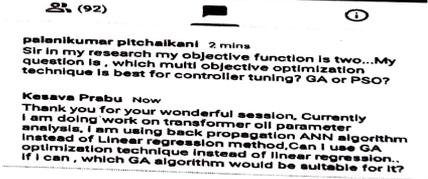
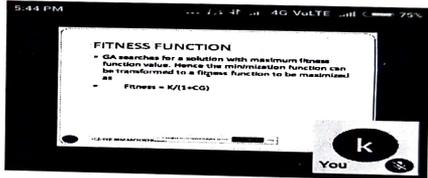
Event Photograph-1



Event Photograph-2



Event Photograph-3



Event Photograph-4

*L. Aruna* 14/10/2020  
*S. J. Geetha* 14/10/2020  
*P. S. Sundaramoorthi*  
 Coordinators 14/10/2020.

*S. Arumugam*  
 14/10/20  
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**KINGS COLLEGE OF ENGINEERING**  
**IEEE STUDENTS BRANCH STB 16621**

**Webinar Report**

A two days webinar on "Design Procedures for Patent and IT Industry Revolution" was organized by Department of Electrical & Electronics Engineering in association with IEEE Student Branch STB 16621 on 17<sup>th</sup> & 18<sup>th</sup> July, 2020. On day 1 Mr. C. John Selvaraj, AP/BEE welcomed the participants and Mr. S.R. Karthikeyan, AP/BEE introduced the resource person. Mr. A. Terance Ruban, WNS Global Services Pvt. Ltd. Chennai delivered lecture. On Day 2, Mr. Sakthivel introduced the resource person. Prof. R. Kaja Bantha Navas, Sathyabama Institute of Science & Technology, Chennai delivered lecture. Mr. S.R. Karthikeyan, AP/BEE proposed vote of thanks. Around 120 people participated in the webinar.

*R. Sundaramoorthi*  
Report by 14/10/2020.  
Mr. R. Sundaramoorthi  
Membership No. 93086892  
Kings College of Engineering

*S. R. Karthikeyan*  
14/10/2020



**TWO DAYS WEBINAR SERIES**  
**ON**  
**"DESIGN PROCEDURES FOR PATENT AND IT INDUSTRY**  
**REVOLUTION"**  
**17<sup>th</sup> & 18<sup>th</sup> JULY 2020**  
**11.00 a.m to 12.30 p.m**  
Registration Link: <https://forms.gle/sN4TLHYGFTTj4Q8>

**DAY 1:**



**RESOURCE PERSON**  
**A. Terance Ruban**  
Assistant Vice President,  
WNS Global Services Pvt Limited,  
Chennai.  
Title: Walk Through IT/ITES Industry

**DAY 2:**



**RESOURCE PERSON**  
**Prof. R. Kaja Bantha Navas**  
Assistant Professor,  
School of Mechanical Engineering,  
Sathyabama Institute of Science and Technology,  
Chennai  
Title: Patent Drafting and Procedure



**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING  
ACADEMIC YEAR 2019-20(EVEN)**

**2 Days webinar on "Design Procedures for Patent & IT Industry  
Revolution" on 17.07.2020 - 18.07.2020**

**List of Participants**

<b>S.No</b>	<b>Faculty Name</b>
1.	Dr.S.Sivakumar
2.	Dr.A.Albert Martin Ruban
3.	Mr.R.Sundaramoorthi
4.	Ms.N.Rajeswari
5.	Mr.J.Arokiaraj
6.	Mr.S.R.Karthikeyan
7.	Mr.S.Sakthivel
8.	Ms.N.Arulmozhi
9.	Mr.C.John Selvaraj
10.	Dr.M.Meenalochani

A handwritten signature in blue ink, appearing to be 'A. Almm', is written over a light blue horizontal line.

**HOD/EEE**



**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

**ACADEMIC YEAR 2018-19 (ODD)**

**FDP-(SPOKEN TUTORIAL ON "SCILAB")**

**OBJECTIVE OF SPOKEN TUTORIAL:**

Spoken tutorial is well known that seeing and hearing someone explain a process greatly improves understanding and help to learn and use open source software.

The Spoken Tutorial project is the initiative of the 'Talk to a Teacher' activity of the National Mission on Education through Information and Communication Technology (ICT), launched by the Ministry of Human Resources and Development, Government of India.

The use of spoken tutorials to popularize software development and its use will be coordinated through website <http://spoken-tutorial.org/>. (The Spoken Tutorial project is being developed by IIT Bombay for MHRD, Government of India). The project conducts software training workshops using spoken tutorials and give certificates to those who pass an online test.

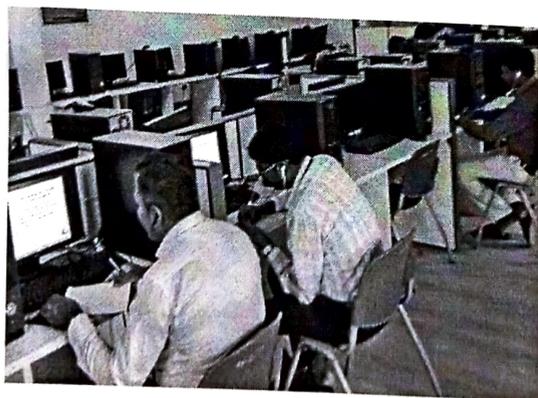
**PROGRAM CONDUCTED:**

Department of Electrical & Electronics Engineering conducted spoken tutorial workshop "OSCAD".

Venue: CSE Lab-I

Date: 28.06.18

The FDP is for faculty members of EEE, 6 faculty members were attended this program and 1 member was cleared the exam held on 29.06.18.



*S. S. Senthil Kumar*  
IQAC Member/EEE 3/7/18

*A. Alram*  
HOD/EEE

# Certificate for Completion of Scilab Training



Spoken Tutorial



Talk To A Teacher

This is to certify that **PRABHA ARUMUGAM** has successfully completed **Scilab** test organized at **Kings College Of Engineering** by **ABHIRAMI K** with course material provided by the Talk To A Teacher project at IIT Bombay.

Passing an online exam, conducted remotely from IIT Bombay, is a pre-requisite for completing this training. **Chandra Praba Gopalakrishnan** at **Kings College Of Engineering** invigilated this examination. This training is offered by the **Spoken Tutorial Project, IIT Bombay, funded by National Mission on Education through ICT, MHRD, Govt., of India.**

June 29th 2018

A handwritten signature in black ink, appearing to read 'Kannan Moudgalys'.

**Prof. Kannan M Moudgalys**  
IIT Bombay



**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING  
ACADEMIC YEAR 2018-19 (ODD)**

**FDP on SCILAB  
ATTENDANCE STATEMENT**

DATE: 28.06.18

SNO	NAME OF THE FACULTY	SIGNATURE
1	Dr.S.SIVAKUMAR	Meeting
2	Prof.A.ALBERT MARTIN RUBAN	Meeting
3	Mrs.N.HEMAVATHI	Leave
4	Mr.R.SUNDARAMOORTHY	<i>[Handwritten Signature]</i>
5	Mrs.N.RAJESWARI	ML
6	Mr.C.BALAJI	<i>[Handwritten Signature]</i>
7	Mr.J.AROKIARAJ	<i>[Handwritten Signature]</i>
8	Mr.S.R.KARTHIKEYAN	<i>[Handwritten Signature]</i>
9	Mr.A.PRABHA	<i>[Handwritten Signature]</i> 28/06/18
10	Mr.M.MAYAPANDI	<i>[Handwritten Signature]</i>
11	Mr.G.JAYACHANDRAN	Electrical work Maintenance
12	Mrs.E.SUGANYA	Admission cell

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IQAC/MEMBER 28/6/18

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<sup>th</sup>  
5 National Conference

On

# Flourishing Areas in Electrical and Electronics Engineering NACOFEE '19

15<sup>th</sup> March 2019

Organized by

## Department of Electrical and Electronics Engineering



**KINGS**  
COLLEGE OF ENGINEERING  
(NAAC Accredited Institution)

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



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## About Our Institution

Kings College of Engineering (KCE) was born out of a dream and vision to provide education with unparalleled quality to the young and enthusiastic students of our nation. The college is approved by the AICTE, New Delhi and affiliated to Anna University, Chennai. The drive from our management and dedication of the faculty has seen KCE rise to the status on one of the most prestigious institutions in this part of the country.

KCE, run by Raj Educational Trust (RET), Chennai, is a fast growing technical institution in the state of Tamilnadu with a great promise to cater the educational demands of budding engineers in and around Thanjavur from 2001. Our institution offers five UG programmes namely, EEE, ECE, CSE, Mechanical and Civil Engineering and four PG programmes namely, VLSI Design, Thermal Engineering, Power Electronics & Drives, and Computer Science & Engineering. We strive and endeavor every passing day to build our students as technocrats.

## Genesis

The Electrical and Electronics Engineering Department is established in the year 2001. The department of EEE offers 4 year B.E degree course and 2 year M.E in Power Electronics and Drives(EEE). We have a team of highly qualified, experienced and dedicated faculty to impart quality education to the students. All the laboratories are well established with the state-of-art equipment and latest licensed software for simulation studies that will help our students to achieve their goals. Our department has an approved research centre for pursuing research (Ph.D) under Anna University, Chennai.

## Conference Objective

The conference is committed to become the preferred and common hub for the researchers, academicians, practicing engineers, policy makers and industrialist to exhibit their new research results, to seek solutions for their research / industrial challenges / problems, to develop networking with hundreds of professionals in the field of interest.

## Conference Themes

Energy conservation and harvesting.  
Energy efficient and power saving technology.  
FACTS Controllers.  
Biomedical instrumentation.  
Bioinformatics and material science.  
PLC & SCADA systems.  
Power delivery and signaling for IC Chips.  
Soft computing techniques in power systems.  
Power Quality issues & Enhancement.  
Intelligent control systems.  
Role of Nuclear energy and its issues.  
Robotics & Automation systems.  
New Power converter topologies.  
High Voltage Engineering.  
New Inverter Technologies.  
Power system security.  
Solid state drives.  
Renewable Energy systems.  
Embedded systems and drives.  
Control systems.  
Measurements & Data acquisition.  
Safety, Reliability &  
Smart sensors in power systems.  
Distributed Generation.  
Deregulated power systems.  
Smartgrids & Microgrids in power systems.  
Optimal power management.

## Call for Papers

Original research and unpublished papers are invited in the above list of themes from Researchers, academicians, R&D Personals, practicing engineers and PG Students. The guidelines for preparing full length papers should be followed as per IEEE format. The papers shall be reviewed by the experts and authors will be intimated as per schedule. Atleast one author of the paper should register for the conference. Only selected papers with registration fee will be entertained for presentation and published in the conference proceedings.

## Paper Submission

The papers must be submitted through E-Mail in both MS word (.doc & .docx) and PDF format (compulsorily it must be in IEEE format) to nacofee19@kingsindia.net

## How to Apply

Apply through online. For details visit [www.kingsindia.net](http://www.kingsindia.net). The Hard copy of the registration form along with DD should be sent to the Conference chair.

## Registration Fee

Conference : Rs. 500/  
International Journal: Rs. 500/

## Important Dates

Submission of full camera ready paper: 10.3.2019  
Notification for Acceptance : 12.3.2019  
Conference date : 15.3.2019

## Conference Publication

Best papers will be published in reputed International Journal.

5<sup>th</sup> National Conference  
On

*Flourishing Areas in Electrical and Electronics  
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**NACOFEE 19**

## Registration Form

(Fill up in Capital Letters)

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 UG  PG  Academicians  Industrialist

Department :

Institution :

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Registration Fee :

DD.No. :

Date of DD. :

Name of the Bank :

Date : Signature of the Applicant

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and Electronics Engineering" organized by  
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Date :  
Signature of sponsoring authority  
(with seal)

**Post Conference Report**  
of  
**National Conference on Flourishing Areas in Electrical  
and Electronics Engineering (NACOFEE'19)**

**15<sup>th</sup> March 2019**

**Organized by**  
**Department of Electrical & Electronics Engineering**



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S. NO.	PAPER ID	TITLE OF THE PAPER	NAME OF THE AUTHORS	NAME OF THE INSTITUTION
1	EE01	A Novel Boost Switched Capacitor Multilevel Inverter Using APODPWM	Ms.P.Sivasankari, AP J.Bhuvaneshwari V.Keerthana S.Kiruthika A.Piragatheeswari UG Students	Anjalai Ammal Mahalingam Engineering College
2	EE02	A Transformer-Less Unified Power Quality Controller With Fast Dynamic Control*	Mrs.P.Kala, Asso Prof C.Ruvethiya, C.Priyanka, V.Surya UG Students	Star Lion College of Engineering And Technology
3	EE03	Energy Management System For Integrated Power System	Mr.S.Sakthivel, AP P.Ganesh Kumar R.Akash M.Suriya Prakash UG Students	Kings College of Engineering
4	EE04	F2WF System Using Automation Technology	Dr.A.Albert Martin Ruban, Asso Prof S.Shelaa K.Harini D.Kalaiyarasi	Kings College of Engineering
5	EE05	Automation In Precision Farming Using Encapsulated Seed and Monitor Through IoT Using Intelligence System with an Array of Sensors	Mr.S.Anbalagan, AP A.Mohamed Ameen R.Dinesh R.Pravesh R.Dinesh Babu UG Students	Anjalai Ammal Mahalingam Engineering College
6	EE06	Development of solar based Agribot Using Wireless Technology	Mr.S.Sakthivel, AP S.Dheerthi K.Divya N.Nalini UG Students	Kings College of Engineering
7	EE07	Performance Analysis of Two Tank Interacting Level System Using I-PD Controller	Prof.C.Ravikumar Prof.D.Sivakumar Prof.T.Sivakumari	A.V.C College of Engineering
8	EE08	Uninterrupted Power Supply By Using The Hybrid Sources	Mr.K.Santhosh Kumar, AP J.Keerthana P.Vinithkumar M.Megala K.Anitha, UG Students	Star Lion College of Engineering & Technology
9	EE09	Recognition of Vehicle and Control Using Raspberrypi and Image Processing	Ms.J.Sharmila Devi, AP V.Vijaya, K.Saravanakumar UG Students	A.V.C. College of Engineering
10	EE10	Wireless Power Transmission Using LPT Technology	Mr.C.Balaji, AP R.Baranika T.Akalya R.Shanthi, UG Students	Kings College of Engineering
11	EE11	A Solution For Customer Security in Indian Cabs with Arduino Microcontroller	K.Nithya R.Sindhu PG Students	Kings college of Engineering
12	EE12	Implementation of System for Minimizing Usage of Ground Water in Irrigation By Using Solar Power & Microcontroller	Mr.S.R.Karthikeyan, AP M.Veeramani B.Rohinth S.Mohanraj, UG Students	Kings College of Engineering

S. NO.	PAPER ID	TITLE OF THE PAPER	NAME OF THE AUTHORS	NAME OF THE INSTITUTION
13	EE13	High Step Up Interleaved Boost Converter For Distributed Generation Using Renewable And Alternative Power Sources	M.C.Sasidaran S.Sivith P.Thenmozhi K.Sushanthika UG Students	Star Lion College of Engineering & Technology
14	EE14	Border Defence System By Using Invisible Tanker In Battle Field	Mrs.N.Rajeswari, AP D.Dineshkumar P.Ramu D.Pradeepkumar T.Tamilshelvan UG Students	Kings College of Engineering
15	EE15	Medical Monitoring Using Li-Fi Technology	Mrs.A.Prabha K.Muthumeena M.Brindha R.Kayalvizhi S.Sowmiya UG Students	Kings College of Engineering
16	EE16	Wireless Power Transmission	Ms.K.Sivaranjani, AP S.Ajith N.Arthi M.Nancy	Star Lion College of Engineering & Technology
17	EE17	A Twenty One Level Inverter With Reduced Number of Switches Using PV Renewable Energy Sources	Mr.J.Arokiaraj, AP V.Vinitha PG Student	Kings College of Engineering
18	EE18	Implementation of DC-DC Converter with High Frequency Transformer (DHFT) In AC/DC Microgrid	Mr.C.Balaji, AP K.Devika PG Student	Kings College of Engineering
19	EE19	Implementation of dc-dc converter For energy management system using wireless sensor network	Dr.A.Albert Martin Ruban, Asso Prof C.Sindhu, PG Student	Kings College of Engineering
20	EE20	Landslide Warning And Monitoring System Through Smartphone By Using Optimized Solar Powered Wireless Sensor Network	Dr.P.Avirajamanjula, Professor Tummalapenta Venkata Sivasai Maheshbabu Subodh Prasad Ibrahim Khaleel.P R.Pragadeesh UG Students	PRIST University
21	EE21	Aviation Accident Safety System Using Artificial Intelligence	Mr.J.Arokiaraj, AP T.Pratheesh R.Parthasarathi R.Sundar M.Sakthivel, UG Students	Kings College of Engineering
22	EE22	Efficient Wireless Communication System For Smart Grid Monitoring	Ms.E.Suganya, AP S.Prakash S.Sivakumar R.Eniyavam, UG Students	Kings College of Engineering
23	EE23	Design of Solar Tree	S.SivaRanjani S.Hari Haran A.Ganesh Kumar UG Students	Arasu Engineering College
24	EE24	Energy Management System For Intel Buildings Using Grid Connected Systems	Mrs.N.Rajeswari, AP J.Dhinesh R.Harishbabu N.Vibinraj K.Sandru, UG Students	Kings College of Engineering
25	EE25	Inverter Interfaced Distributed Generation Units for Harmonic Distortion reduction in Micro grid Systems	Mrs.G.JayaBharathi, AP N.Meenakshi, UG Students	Anjalai Ammal Mahalingam Engineering College

S. NO.	PAPER ID	TITLE OF THE PAPER	NAME OF THE AUTHORS	NAME OF THE INSTITUTION
26	EE26	Gesture recognition based smart Home automation support system For people with limited Communication	K.Karthik S.Saravana Kumar B.Shahul Hameed C.Jayashankar UG Students	Ponnaiyah Ramajayam College of Engineering and Technology
27	EE27	Transformer health condition Status monitoring and diagnosis Using IoT	B.Balamurugan M.Tharikushen S.Manoj S.Mohamedkipayathul la D.Hariharan UG Students	P.R. Engineering College
28	EE28	A Real Time Implementation of D-STATCOM for Reactive Power Compensation in Micro grid	Mr.M.R.Roosevelt K.Charanya, PG Student	Anjalai Ammal Mahalingam Engineering College
29	EE29	Real Time Sensor Data Transmission to IoT through Soil	M.Rajasekar V.Senthil kumar S.Sathish kumar J.Prince Joshua Gladson, UG Students	P.R. Engineering College
30	EE30	Design and analysis of REGENX generator	Dr.B.Kunjithapatham T.Hariharan, PG Student	P.R. Engineering College
31	EE31	Energy efficient street light Fault monitoring system using GSM network.	Dr.F.Ezhil Arasan S.Kumaran R.Prithvi R.Pragadeesh UG Students	PRIST University
32	EE32	Design and Fabrication of UMB Antenna For Brain tumour detection	T.Meenal K.Thenmozhi. K.Vennila UG Students	Shri Bharathi Engineering college for women.
33	EE33	Implementation of variable frequency drives technique in chemical industries for efficient energy utilization	E.Malarvizhi	Mahakavi Bharathiyar College of Engg & Tech

**External Batch: 19**

**Internal Batch: 14**

The Department of Electrical and Electronics Engineering has organized the National conference on "Flourishing areas in Electrical and Electronics Engineering- (NACOFEE'19)", Department of Electronics and Communication Engineering has organized the National Conference on "Emerging Trends in Electronics and Communication (NCETECE'19)" and the Department of Computer Science and Engineering has organized National Conference on "Emerging Trends in Advanced Computing Technology (NCETACT'19)" 15.03.19 in Chera Hall.

This conference is committed to become the preferred and common hub for the researchers, academicians, practicing Engineers, and industrialists to exhibit their new research findings. It seeks solutions for the research/industrial challenges/problems, and makes avenue to develop networking with hundreds of professionals in the field Electrical, Electronics, communication and computer Science.

The programme was started with Inaugural session by **10.00AM**. **Dr.J.Arputha Vijaya Selvi**, Principal has delivered the welcome address to the conference gatherings and honored the chief guests **Dr.S.Albert Alexander**, Asso Prof/EEE, Kongu Engineering College, Perundurai, **Dr.S.Krishnakumar**, Senior Technical Officer, DRDO and **Prof.Jennifer Bliss**, STEM Consultant, University of Iowa, USA. **Dr.S.Sivakumar**, Vice Principal and HOD (T&P), has felicitated the chief guest with memento as the token of honor.

The Chief Guests have released the conference proceedings to the gatherings of the conference and it was received by dignitaries of the dais.

**Dr.R.Rajendran**, Secretary, Kings College of Engineering has delivered the presidential address. He has explained the current scenario of Engineering Colleges and students education. He has registered his strong views about the scope of the conference. He said that this National conference will be a platform for Researchers, academicians and PG students to discuss about recent trends, Challenges and advancements related to engineering fields, which will create an opportunity to focus on specific areas from their own perspective and experiences in this field.

**Mr.J.Arokiaraj**, Assistant Professor/EEE and an organizing secretary of NACOFEE'19 has introduced the chief guest **Dr.S.Albert Alexander**. Dr S Albert Alexander is a Post Doctoral Research Fellow from Northeastern University, Boston, MA, USA. He is currently working as a Associate Professor in the Department of Electrical and Electronics Engineering, Kongu Engineering College, Perundurai, India. He is the Vice President of Energy Conservation Society. His area of interest includes neural network and Fuzzy logic Control of Power Converters, Solar Energy Conversion Systems and Smart Grid. He is the recognized Supervisor of Anna University (No.2530020) and Visvesvaraya Technological University (No.VTU09175314).

**Dr.S.Albert Alexander** has delivered the inaugural address and explained the importance of conference. Also he has explained about the recent trends, growth, future scope, ongoing projects and research in the field of Electrical and Electronics Engineering.

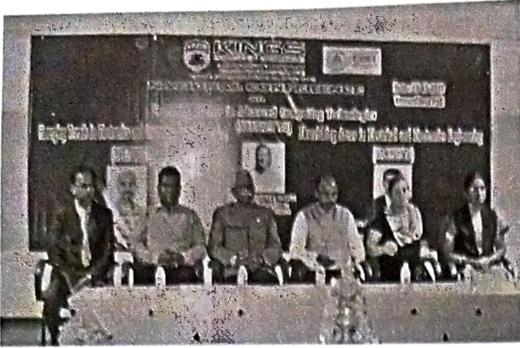
**Dr.S.Albert Alexander** has delivered the keynote address in Pallava hall to the participants of the NACOFEE'19 on the title" **Awareness Programme for Students of Internship Training Offered by Various Companies & Industries.**" He addressed that an internship is an opportunity offered by an employer to potential employees, called interns, to work at a firm for a fixed period of time. Interns are usually undergraduates or students, and most internships last between a month and three months. Internships are usually part-time if offered during a university semester and full-time if offered during the vacation periods. He mentioned the objective and advantages of doing internship. He also listed out that various companies which are frequently offered internship programme for fresher.

The research scholars, faculty and students from various Engineering colleges exhibited their views, thoughts and research in the areas of Electrical, Electronics and Communication Engineering. **Dr.S.Albert Alexander, Dr.A.Albert Martin Ruban and Mr.R.Sundaramoorthi** <sup>were</sup> ~~was~~ the members of jury.

The valedictory function was arranged at Pallava Hall by 04.15PM. Delegates from the various institutions have registered their valuable feedback. The Certificates were distributed to the participants by the conference chair.

**Mrs.A.Prabha**, Assistant Professor/EEE has delivered the vote of thanks. On behalf of the management he expressed the sincere thanks to the Chief guest Dr.S.Albert Alexander, the Principal, the Vice principal, HOD-EEE, Conference chair, teaching and non teaching faculties, event management committee, PG & UG students, delegates from various Engineering colleges for their excellent co operation to make this conference a grant success. Finally the programme was ended with National anthem.

MEMORIES OF NATIONAL CONFERENCE NACOFEE'19 – 15<sup>th</sup> MARCH 2019



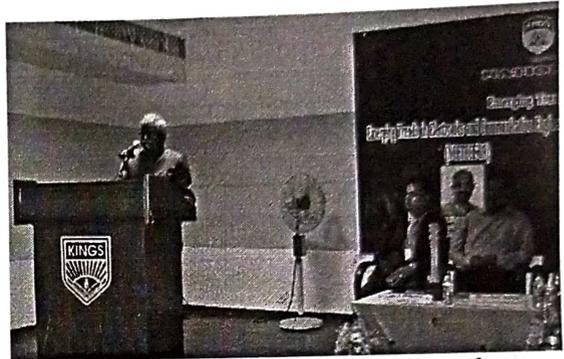
Dignitaries on the Dias



Welcome address given by Dr.J.Aruputha Vijiya Selvi, Principal



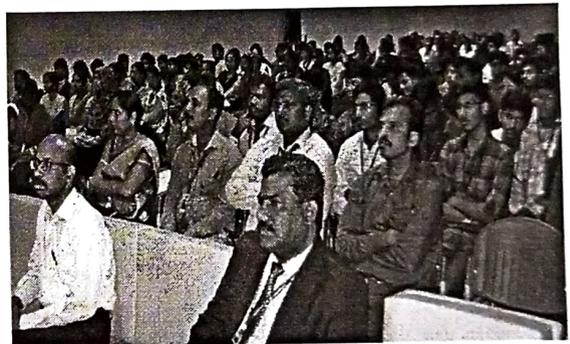
Lighting of Kuthu vilakku by the chief guest of NACOFEE'19-Dr.S.Albert Alexander, Asso.Prof/EEE, Kongu Engineering College, Perundurai.



Presidential address given by Dr.R.Rajendran, Secretary



Dr.S.Sivakumar Vice Principal honoring the chief guest of NACOFEE'19 with shawl memento



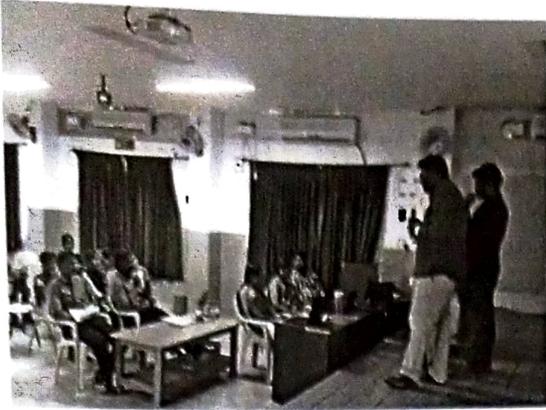
Presence of Dr.A.Albert Martin Ruban, and participants in chera Hall for Inaugural Function



Releasing of Proceedings of NACOFEE'19



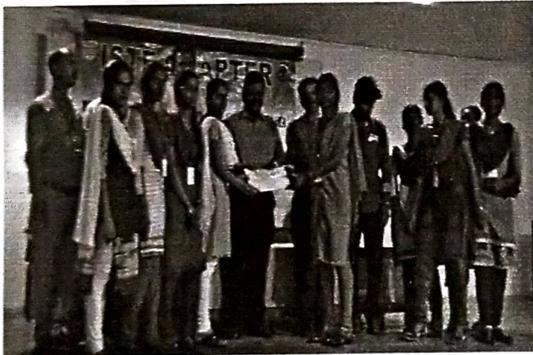
Introduction of chief guest given by Mr.J.Arokiaraj, AP/EEE



Discussion with members of jury



Registering the valuable feedbacks of the delegates



Distribution of certificates

Prepared by  
S. S. Barshilany  
*[Signature]*

organising secretaries  
co-ordinators

*[Signature]*  
conference chair  
HOD/EEE

J. Mani  
1/4/19.  
Patron  
Principal

*[Signature]*  
VP. 11/4/19

### Participation

Faculties, Research Scholars, PG and UG Students from AICTE recognized institutions.

### Workshop Contents

- ✓ Introduction about soft computing.
- ✓ Tools used in soft computing methods.
- ✓ Implementation of Fuzz-logic and Genetic Algorithm.
- ✓ Design of Renewable Energy systems using soft computing tools.

### Resource Persons

**Dr. S. Albert Alexander Ph.D., PDF(USA),**  
Raman research Fellow  
Assistant Professor (Senior Grade)  
Department of Electrical and Electronics Engg.  
Kongu Engineering College, Perundurai. Erode.

Faculty of Kings College of Engineering.

### Registration Fee per Participant : Rs.300/-

The registration fee should be paid by cash only. Pre-registration is mandatory by sending the duly filled registration form to the college address (or) e-mail the soft copy to [workshopeekce@gmail.com](mailto:workshopeekce@gmail.com).

### Important Dates

Last date for Submitting  
Registration form : 21.08.2017  
Intimation of Acceptance : 22.08.2017  
(through e-mail only)

### Organizing Committee Chief Patrons

**Dr. R. Rajendran**  
Secretary

**Mr.T.R.S.MuthuKumaar**  
Chief Executive Officer

### Patron

**Dr. J. Arputha Vijaya Selvi**  
Principal

### Co-Patron

**Dr. S. Sivakumar**  
Vice - Principal

### Convener

**Mr. A. Albert Martin Ruban**  
HOD/EEE

### Co-ordinators

**Mr. J. Arokiaraj AP/EEE**  
9786779591

**Mr. R. Thandayuthapani AP/ECE**  
9943347956

### Route Map



### One Day Workshop

On

**"SOFT COMPUTING TECHNIQUES  
FOR RENEWABLE ENERGY SOURCES"**

24<sup>th</sup> August, 2017



Jointly Organized by

Department of Electrical &  
Electronics Engineering  
and  
Department of Electronics &  
Communication Engineering



**KINGS**  
COLLEGE OF ENGINEERING

NAAC Accredited Institution  
Approved by AICTE, New Delhi  
Affiliated to Anna University, Chennai  
Punalkulam, Thanjavur - 613 303  
Phone : 04362 282474, 282676.  
Fax : 04362 282494  
[www.kingsindia.net](http://www.kingsindia.net)

### About Our Institution

Kings College of Engineering (KCE) was born out of a dream and vision to provide education with unparallel quality to the young and enthusiastic students of our nation. The college is approved by the AICTE, New Delhi and affiliated to Anna University, Chennai. The drive from our management and dedication of the faculty has seen KCE to rise to the status on one of the most prestigious institutions in this part of the country.

KCE, run by Raj Educational Trust (RET), Chennai, is a fast growing technical institution in the state of Tamilnadu with a great promise to cater the educational demands of budding engineers in and around Thanjavur from 2001. Our institution offers five UG programmes namely, EEE, ECE, CSE, Mechanical and Civil Engineering and five PG programmes namely, VLSI Design, Mobile and Pervasive Computing, Thermal Engineering, Power Electronics & Drives, and Computer Science & Engineering. We strive and endeavor every passing day to build our students as technocrats.

### How to Reach?

Thanjavur is well connected by Road / Rail transport from all major cities in Tamilnadu. Our college is located 15 kms from Thanjavur railway junction and 12 kms from New Bus Stand on Thanjavur - Pudukkottai National Highway.

### Genesis

The Electrical & Electronics Engineering and Electronics & Communication Engineering Departments are established in the year 2001. The department of EEE & ECE offers 4 year B.E degree courses and 2 year M.E in Power Electronics and Drives(EEE) & VLSI Design(ECE). We have a team of highly qualified, experienced and dedicated faculty to impart quality education to the students. All the laboratories are well established with the state-of-art equipment and latest licensed software for simulation studies that will help our students to achieve their goals. Our departments have an approved research center for pursuing research (Ph.D) under Anna University, Chennai.

### Communication Address

Mr.J.Arokiaraj, & Mr.R.Thandayuthapani,  
Co-ordinators of Workshop,  
Department of EEE, & ECE.  
Kings College of Engineering,  
Punalkulam,  
Thanjavur - 613 303

Phone : 04362 282474, 282676

Mobile: Mr.J.Arokiaraj - 9786779591  
: Mr.R.Thandayuthapani - 9943347956

E-mail : [workshopeekce@gmail.com](mailto:workshopeekce@gmail.com)

### One Day Workshop On "SOFT COMPUTING TECHNIQUES FOR RENEWABLE ENERGY SOURCES"

#### Registration Form

(Fill up in Capital Letters)

Name :

Faculty  Research Scholar  PG  UG

Department :

Institution :

Communication  
Address :

Phone/Mobile No. :

Email ID :

Registration Fee :

Date :

Signature of the Applicant

#### Sponsoring Certificate

This is to certify that Dr./Mr./Ms. \_\_\_\_\_  
\_\_\_\_\_ of \_\_\_\_\_ department  
is being sponsored for attending the one day  
workshop on "Soft Computing Techniques  
for Renewable Energy Sources" organized  
by department of EEE & ECE, Kings College of  
Engineering on 24<sup>th</sup> August, 2017.

Date :

Signature of sponsoring authority  
(with seal)



**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**  
**&**  
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**  
  
**ONE DAY WORKSHOP**  
**On**  
**SOFT COMPUTING TECHNIQUES FOR RENEWABLE ENERGY SOURCES**  
  
**REPORT**

The Department of Electrical and Electronics Engineering & Electronics and Communication Engineering of Kings College of Engineering jointly organized a one day workshop on Soft Computing Techniques for Renewable Energy Sources on 24<sup>th</sup> August, 2017 at our college premises. Thirty external participants from various Engineering colleges from all over Tamilnadu and fifty internal participants were participated in this programme.



The inaugural function was presided over by Resource Person Dr. S. Albert Alexander, AP(Sr.G)/EEE, Kongu Engineering College, Perundurai, Erode at 10.00 AM. Mr. J. Arokiaraj AP/EEE, Co-ordinator of Workshop delivered the welcome address.

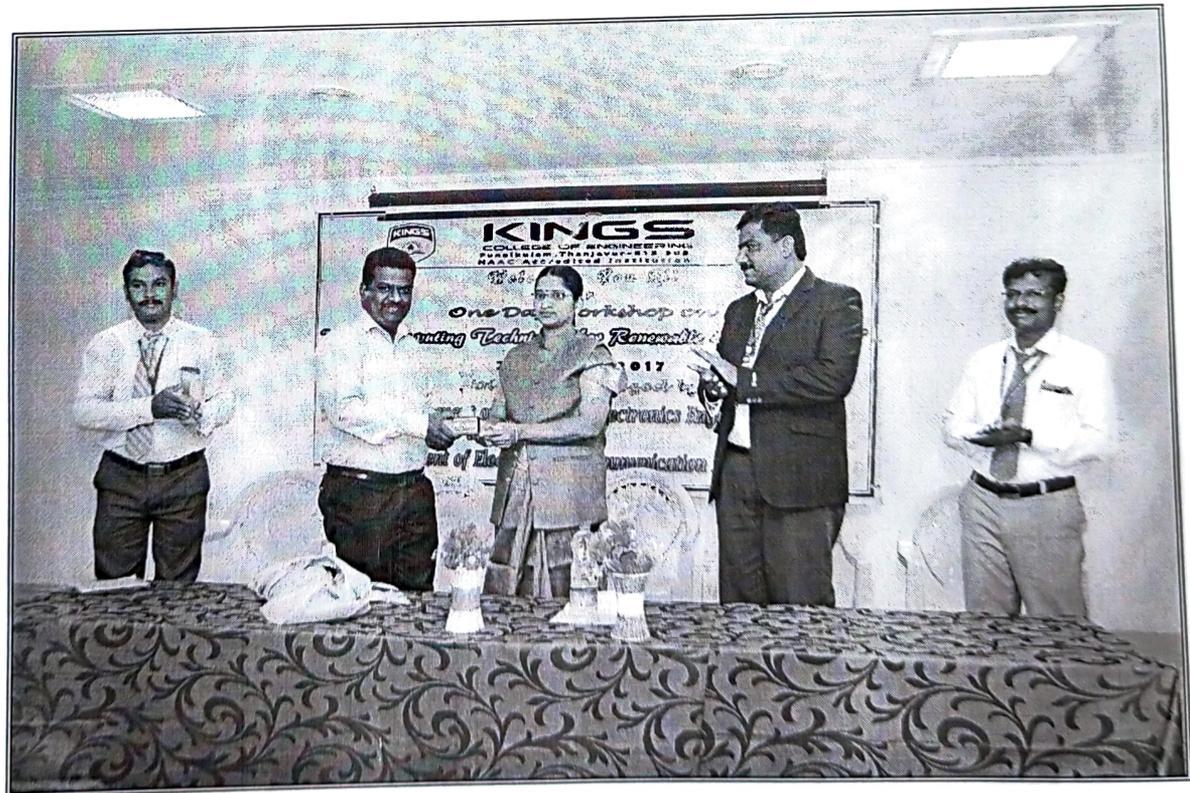
Our Principal Dr. J. Arputha Vijaya Selvi delivered the inaugural address, followed by introduction of resource person given by Ms. A. Prabha, AP/EEE. Our Principal Dr. J. Arputha Vijaya Selvi and Prof. A. Albert Martin Ruban, HOD/EEE - Convener of this workshop were honored the Resource Person.



Mr.J.Arokiaraj AP/EEE, Co-ordinator, Welcome Address



Inaugural address, Dr.J. Arputha Vijaya Selvi, Principal

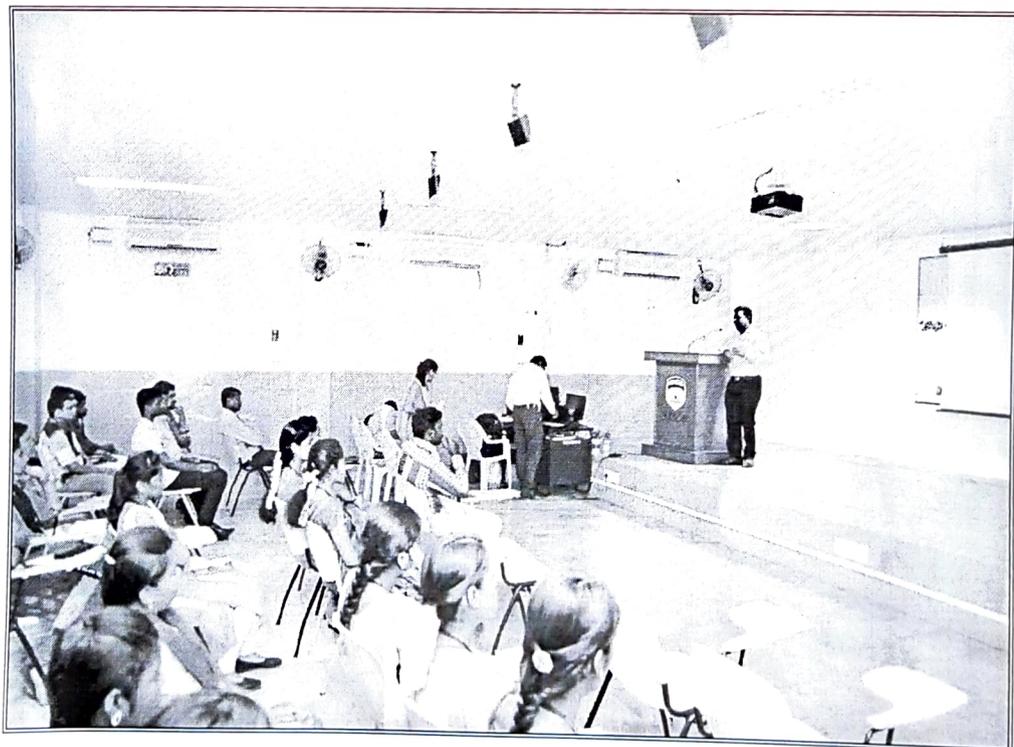


Guest of honor



During the presentation session, he has explained in the following content,

- ✓ Introduction about soft computing.
- ✓ Tools used in soft computing methods.
- ✓ Implementation of Fuzz-logic and Genetic Algorithm.
- ✓ Design of Renewable Energy systems using soft computing tools.



Resource Person Dr. S. Albert Alexander, AP(Sr.G)/EEE, Kongu Engineering College

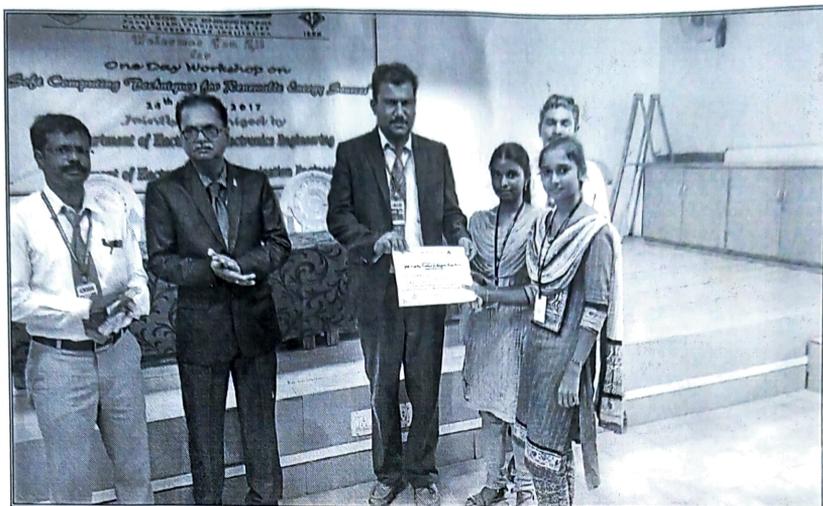


**Participants**

Our internal resource persons Ms.N.Hemavathi, AP/EEE and Mr.P.Narasimman, AP/EEE were handled the lab sessions on soft computing techniques and its Application.



**Valedictory function, Vice Principle and Convener with Workshop team**



**Certificate Distribution**

At the valedictory function Mr. R.Thandayuthapani AP/ECE, Co-ordinator of Workshop delivered vote of thanks.

  
  
**COORDINATORS**

  
**CONVENER** 2017/17

  
**PRINCIPAL**



Workshop  
on  
"Soft Computing Techniques for Renewable Energy Sources"  
Registration Details

24-08-2017

Sl.No	Name of the Participants	Designation	Name of the Institution	Contact Details	Amount	Signature
1.	A. Abinaya	Student	Sastha University	9708917918	300	A. Abinaya
2.	K. Loganathan	Student	Sastha University	9566096331	300	K. Loganathan
3.	S. M. Barathasani	Student	Government college of Engg	7338708754	300	S.M. Barathasani
4.	M. Bhuvaneshwari	Student	"	9786106265	300	Bhuvaneshwari
5.	J. Princy	Student	St. Joseph college of Engg	9942205917	300	J. Princy
6.	P. Sathyapriya	Student	St. "	9092735200	300	P. Sathyapriya
7.	T. Senthurapandiyar	Student	St. "	9786983807	300	T. Senthurapandiyar
8.	A. Punniyamoothi	"	"	8438479562	300	A. Punniyamoothi
9.	C. Tamilazhagan	"	Annai college of Engg & Tec	842865883	300	C. Tamilazhagan

Total = 09



Sl.No	Name of the Participants	Designation	Name of the Institution	Contact Details	Amount	Signature
21.	J. GIRIDHARAN	Student	AVCCE	7358801947	300	J. G.
22.	A. John Britto	Asst. Prof. staff. FFB	ACET (Annai)	9842363661	300	A. J.
23.	D. Nandhini	HOD. staff. FFB	Annai college of engineering & Tech.	8760224847	300	D. N.
24.	A. Franklin Alex Joseph.	staff. FFB	St. Joseph's college of Engg & Tech.	9994717424	300	A. F.
25.	M. Muruganandham	staff. (MIBCH)	St. Joseph. College of engg & Tech.	9003940419	300.	M. M.
26.						
27.						
28.						
29.						
30.						
31.						
					Total = 05	

### **Participation**

Faculties, Research Scholars, PG and UG Students from AICTE recognized institutions.

### **Seminar Contents**

- ✓ Overview of Smart Grid
- ✓ Difference between Conventional Grid and Smart Grid
- ✓ Infrastructure for Smart Grid
- ✓ Internet of Things (IoT) - Introduction & applications in Smart Grid

### **Resource Persons**

Dr.G.Giftson Samuel,  
Professor & Principal,  
Department of EEE,  
Sir Issac Newton College of Engineering &  
Technology, Pappakoil, Nagapattinam

Mrs.N.Hemavathi,  
Assistant Professor,  
Department of EEE,  
Kings College of Engineering,  
Thanjavur.

**Registration Fee per Participant : Rs.250 /-**

The registration fee should be paid by cash only. Pre-registration is mandatory by sending the duly filled registration form to the college address (or) e-mail the soft copy to [eeedept@kingsindia.net](mailto:eeedept@kingsindia.net)

### **Important Dates**

Last date for Submitting  
Registration form : 20.09.2017

Intimation of Acceptance  
(through e-mail only) : 22.09.2017

### **Organizing Committee**

#### **Chief Patrons**

Dr.R.Rajendran  
Secretary

Mr.T.R.S.Muthu Kumar  
Chief Executive Officer

#### **Patron**

Dr.J.Arputha Vijaya Selvi  
Principal

#### **Co-Patron**

Dr.S.Sivakumar  
Vice-Principal

#### **Convenor**

Prof.A.Albert Martin Ruban,  
HoD / EEE

#### **Co-ordinators**

Mr.C.Balaji  
Mobile Number : 9688664222

Mrs.A.Prabha  
Mobile Number : 9629180241

## **One Day Seminar**

On

**"Smart Grid - Future Electric  
Grid"**

**27<sup>th</sup> September, 2017**



**Jointly Organized by**

**Department of  
Electrical & Electronics Engineering  
and  
IEEE Student Branch (IEEE STB 16621)**



**KINGS**  
COLLEGE OF ENGINEERING



A NAAC Accredited Institution

An ISO 9001 Certified Institution  
Approved by AICTE, New Delhi  
Affiliated to Anna University, Chennai  
Punalkulam, Thanjavur - 613 303  
Phone : 04362 282474, 282676.

Fax : 04362 282494

[www.kingsindia.net](http://www.kingsindia.net)



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

*One Day Seminar on  
"Smart Grid - Future Electric Grid" on 27.09.2017*

REPORT

The department of Electrical and Electronics Engineering and IEEE Student branch (IEEE STB 16621) has jointly organized a one day seminar on " Smart Grid - Future Electric Grid" on 27.09.2017. The objective of this seminar is to impart fundamental knowledge of Smart Grid and its infrastructure, Difference between conventional Grid & Smart Grid, and the applications of Internet of Things (IoT) in Smart Grid.

Resource persons:

1. Mrs.M.Meenalochani, Assistant Professor / ECE, ARJ College of Engineering and Technology, Mannargudi.
2. Mrs.N.Hemavathi, Assistant Professor / EEE, Kings College of Engineering, Punalkulam.

Convenor:

Prof.A.Albert Martin Ruban, Associate Professor & Head / EEE

Coordinators:

1. Mr.C.Balaji, Assistant Professor / EEE
2. Mrs.A.Prabha, Assistant Professor / EEE

Inaugural Session:

The dignitaries on the Dais during the inaugural session were Dr.J.Arputha Vijaya Selvi, Principal, KCE, Prof.A.Albert Martin Ruban, Head / EEE, Resource persons Mrs.M.Meenalochani, & Mrs.N.Hemavathi and the Program Coordinators Mr.C.Balaji and Mrs.A.Prabha. The program was started by Thamizh Thaa Vaazthu followed by Welcome address delivered by department head, Prof.A.Albert Martin Ruban. The Presidential address was delivered by our Principal Dr.J.Arputha Vijaya Selvi.

**Participants :**

External : 61

Internal : 34

Total : 95

**Session 1- Overview of Smart Grid, Difference between Conventional Grid and Smart Grid and Infrastructure for Smart Grid by Mrs.N.Hemavathi, AP/EEE, KCE :**

The introduction about the resource person of this session was given by Mr.C.Balaji, AP/EEE. The resource person started the session about the overview of smart grid followed by the structure for smart grid, five key technologies in smart grid, differences between conventional and smart grid. During this session, the participants were actively interacted with the resource person and she also delivered about the underlying technologies of smart grid, need for demand side management - control of the load of specific appliances. She also discussed about the smart grid infrastructure, smart meters, Intelligent Electronic Devices (IED), Wide Area Network (WAN), Home Area Network (HAN), Power Line Carrier (PLC), and Cloud service models for smart grid.

**Session 2: Internet of Things (IoT) - Introduction & applications in Smart Grid by Mrs.M.Meenalochani, AP/ ECE, ARJ College of Engineering and Technology.**

The introduction about the resource person of this session was given by Mrs.A.Prabha, AP/EEE. The resource person started the session with the basics of IoT, with simple example followed by structure of IoT, applications of IoT, current status and future prospect of IoT. She also discussed about the efficient waste management in smart cities and intelligent systems for a more connected world. She also delivered about Wireless sensor networks (WSN), the future of WSN in smart home / smart office and applications of WSN. The session was very informative and the participants were interacted frequently with the resource person.



Dignitaries on the dais



Welcome Address by Prof.A.Albert Martin Ruban, Head / EEE



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



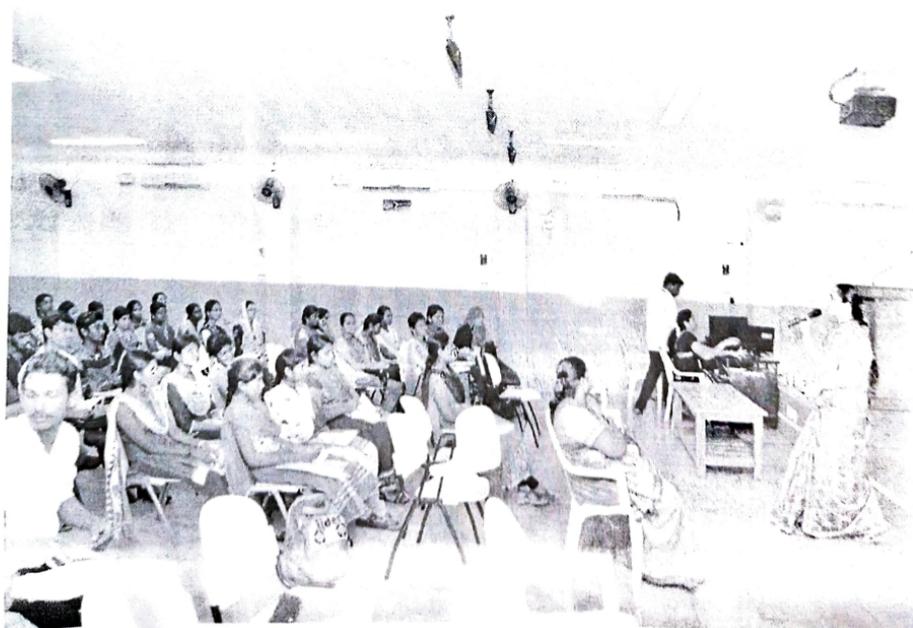
Participants

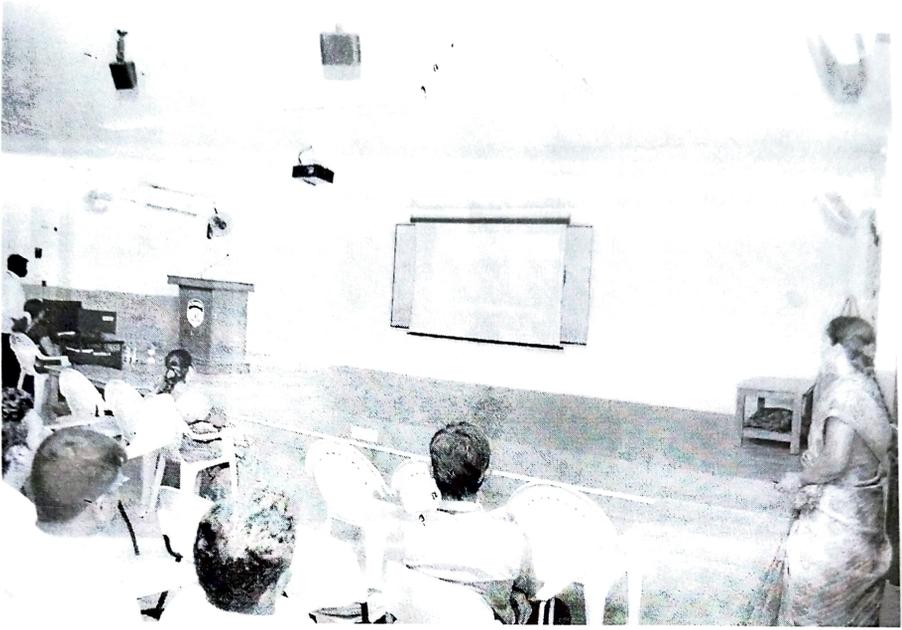


Introduction about Resource Person by Mr.C.Balaji, AP / EEE



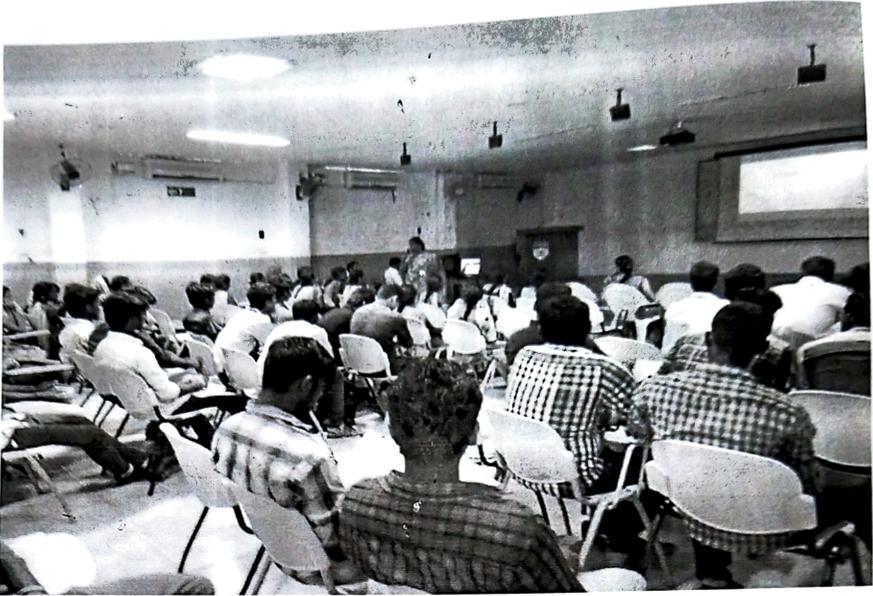
Lecture delivered by Mrs.N.Hemavathi, AP/EEE, KCE





Lecture delivered by Mrs.M.Meenalochani, AP/ECE, ARJCET





Discussion / Feedback Session



Distribution of certificates



Vote of Thanks by Mrs.A.Prabha, AP / EEE





**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**  
**One Day Seminar on**  
**"Smart Grid - Future Electric Grid"**  
**on 27.09.2017**

**REGISTRATION DETAILS**

S.No	Name of the Student	Name of the Institution	UG/PG/RS/Faculty	Amount Rs.
<b>EXTERNAL PARTICIPANTS</b>				
1	A.N.THENDRAL	PARISUTHAM INSTITUTE OF TECHNOLOGY & SCIENCE	UG	250
2	A.N.VISHNU VARDHAN	PARISUTHAM INSTITUTE OF TECHNOLOGY & SCIENCE	UG	250
3	M.SATHYAMOORTHY	PARISUTHAM INSTITUTE OF TECHNOLOGY & SCIENCE	UG	250
4	M.PRIYADHARSHINI	PARISUTHAM INSTITUTE OF TECHNOLOGY & SCIENCE	UG	250
5	R.PREETHIKA	PARISUTHAM INSTITUTE OF TECHNOLOGY & SCIENCE	UG	250
6	D.MERCY	St.JOSEPH'S COLLEGE OF ENGINEERING & TECHNOLOGY	Faculty	250
7	P. PRIYADHARSHINI	St.JOSEPH'S COLLEGE OF ENGINEERING & TECHNOLOGY	Faculty	250
8	K.SIVA SHANKAR	St.JOSEPH'S COLLEGE OF ENGINEERING & TECHNOLOGY	UG	250
9	S.SASIVARANA	St.JOSEPH'S COLLEGE OF ENGINEERING & TECHNOLOGY	UG	250
10	A.SIVAMURUGAN	St.JOSEPH'S COLLEGE OF ENGINEERING & TECHNOLOGY	UG	250

S.No	Name of the Student	Name of the Institution	UG/PG/RS/Faculty	Amount Rs.
11	D.S.VIGNESH	St.JOSEPH'S COLLEGE OF ENGINEERING & TECHNOLOGY	UG	250
12	S.VIVEKKRISHNAN	P.R.ENGINEERING COLLEGE	UG	250
13	K.MANIKANDAN	P.R.C.E.T	UG	250
14	C.SIDDHARTHAN	PRIST	UG	250
15	V.VIJAYAKUMAR	P.R.ENGINEERING COLLEGE	UG	250
16	M.AJITH KUMAR	P.R.E.C	UG	250
17	V.MAHESH	PREC	UG	250
18	ANTHONI RAJ	PRCET	UG	250
19	B.SHEIK JAUTH	P.R.ENGINEERING COLLEGE	UG	250
20	D.MANOJ	P.R.ENGINEERING COLLEGE	UG	250
21	C.SURIYA	P.R.ENGINEERING COLLEGE	UG	250
22	B.KAMALI	UNIVERSITY COLLEGE OF ENGINEERING-THIRUKKUALAI	RESEARCH SCHOLAR	250
23	J.SARANYA	UNIVERSITY COLLEGE OF ENGINEERING-THIRUKKUALAI	RESEARCH SCHOLAR	250
24	A.MANIKANDAN	UNIVERSITY COLLEGE OF ENGINEERING-THIRUKKUALAI	UG	250
25	V.YUVARAJ	UNIVERSITY COLLEGE OF ENGINEERING-THIRUKKUALAI	UG	250
26	B.RAJESWARAN	UNIVERSITY COLLEGE OF ENGINEERING-THIRUKKUALAI	UG	250
27	K.PANJAMUKI	UNIVERSITY COLLEGE OF ENGINEERING-THIRUKKUALAI	UG	250
28	R.DHANALAKSHMI	UNIVERSITY COLLEGE OF ENGINEERING-THIRUKKUALAI	UG	250
29	B.ROHINI	UNIVERSITY COLLEGE OF ENGINEERING-THIRUKKUALAI	UG	250

S.No	Name of the Student	Name of the Institution	UG/PG/RS/Faculty	Amount Rs.
30	R.RAJASRI	UNIVERSITY COLLEGE OF ENGINEERING-THIRUKKUALAI	UG	250
31	J.JEEVITHA	UNIVERSITY COLLEGE OF ENGINEERING-THIRUKKUALAI	UG	250
32	R.DIVYA	UNIVERSITY COLLEGE OF ENGINEERING-THIRUKKUALAI	UG	250
33	M.VISHVINI	UNIVERSITY COLLEGE OF ENGINEERING-THIRUKKUALAI	UG	250
34	A.NIVETHABHARATHI	UNIVERSITY COLLEGE OF ENGINEERING-THIRUKKULAI	UG	250
35	A.SANTHIYA	UNIVERSITY COLLEGE OF ENGINEERING-THIRUKKUALAI	UG	250
36	T.S.GAYATHRI	UNIVERSITY COLLEGE OF ENGINEERING-THIRUKKUALAI	UG	250
37	K.SANTHOSHINI	GOVERNMENT COLLEGE OF ENGINEERING-SENGIPATTI	UG	250
38	S.AAISHA AL JAMEELA	GOVERNMENT COLLEGE OF ENGINEERING-SENGIPATTI	UG	250
39	E.VAIRAMUTHU	UNIVERSITY COLLEGE OF ENGINEERING-THIRUKKUALAI	UG	250
40	M.PRAVEEN	UNIVERSITY COLLEGE OF ENGINEERING-THIRUKKUALAI	UG	250
41	T.THIRUMUGAN	UNIVERSITY VOLLEGE OF ENGINEERING-THIRUKKUALAI	UG	250
42	T.RAJAVEL	UCE-THIRUKKUALAI	UG	250
43	J.JAYASURYA	UCE-THIRUKKUALAI	UG	250
44	M.SOUNDAR	UCE-THIRUKKUALAI	UG	250
45	K.DURGA	ARASU ENGINEERING COLLEGE	PG	250
46	M.SHOBA	ARASU ENGINEERING COLLEGE	PG	250

S.No	Name of the Student	Name of the Institution	UG/PG/RS/Faculty	Amount Rs.
47	B.BHARANIKA	ARASU ENGINEERING COLLEGE	PG	250
48	R.BABY	ARASU ENGINEERING COLLEGE	PG	250
49	K.THENDRAL	ARASU ENGINEERING COLLEGE	PG	250
50	P.MANISANKAR	ARASU ENGINEERING COLLEGE	PG	250
51	N.SATHISH KUMAR	ARASU ENGINEERING COLLEGE	PG	250
52	S.VIJAY	ARASU ENGINEERING COLLEGE	PG	250
53	T.RAJARAMAN	ARASU ENGINEERING COLLEGE	PG	250
54	S.DHARANYA	ARASU ENGINEERING COLLEGE	PG	250
55	E.ARUNA	ARASU ENGINEERING COLLEGE	PG	250
56	S.B.RAJAPRIYA	ARASU ENGINEERING COLLEGE	PG	250
57	S.SIVAKUMAR	K.L.N COLLEGE OF ENGINEERING	Ph.D SCHOLAR	250
58	J.GOPI	M.I.E.T ENGINEERING COLLEGE	Ph.D SCHOLAR	250
59	S.SALMANKHAN	M.I.E.T ENGINEERING COLLEGE	UG	250
60	M.SATHISH	M.I.E.T ENGINEERING COLLEGE	UG	250
61	M.SIVA KUMAR	M.I.E.T ENGINEERING COLLEGE	UG	250

**INTERNAL PARTICIPANTS**

62	K.MUTHUMEENA	KINGS COLLEGE OF ENGINEERING	UG	150
63	K.HARINI	KINGS COLLEGE OF ENGINEERING	UG	150
64	S.SHELAA	KINGS COLLEGE OF ENGINEERING	UG	150
65	K.DIVYA	KINGS COLLEGE OF ENGINEERING	UG	150
66	P.VICTORIYA	KINGS COLLEGE OF ENGINEERING	UG	150
67	M.PRAKASH	KINGS COLLEGE OF ENGINEERING	UG	150

S.No	Name of the Student	Name of the Institution	UG/PG/RS/Faculty	Amount Rs.
68	D.DINESH KUMAR	KINGS COLLEGE OF ENGINEERING	UG	150
69	M.SURIYA PRAKASH	KINGS COLLEGE OF ENGINEERING	UG	150
70	S.DEEPAK RAJ	KINGS COLLEGE OF ENGINEERING	UG	150
71	R.SANTHOSH SAMI	KINGS COLLEGE OF ENGINEERING	UG	150
72	D.PRADEEP KUMAR	KINGS COLLEGE OF ENGINEERING	UG	150
73	D.THATSHAYINI	KINGS COLLEGE OF ENGINEERING	PG	150
74	R.HEMALATHA	KINGS COLLEGE OF ENGINEERING	PG	150
75	J.DEEPIKA	KINGS COLLEGE OF ENGINEERING	PG	150
76	R.RAJESHWARI	KINGS COLLEGE OF ENGINEERING	PG	150
77	K.RAMYA	KINGS COLLEGE OF ENGINEERING	PG	150
78	I.NOWFA YASMIN	KINGS COLLEGE OF ENGINEERING	PG	150
79	S.SHEEBA	KINGS COLLEGE OF ENGINEERING	PG	150
80	P.KARTHICK	KINGS COLLEGE OF ENGINEERING	PG	150
81	R.SAKTHI SRIDEVI	KINGS COLLEGE OF ENGINEERING	UG	150
82	M.JAISAIRAM	KINGS COLLEGE OF ENGINEERING	UG	150
83	T.VEERAMANI	KINGS COLLEGE OF ENGINEERING	UG	150
84	R.PAVITHRA	KINGS COLLEGE OF ENGINEERING	UG	150
85	M.RASIKA	KINGS COLLEGE OF ENGINEERING	UG	150
86	K.KALPANA	KINGS COLLEGE OF ENGINEERING	UG	150
87	C.BHUVANESWARI	KINGS COLLEGE OF ENGINEERING	PG	150
88	K.DEVIKA	KINGS COLLEGE OF ENGINEERING	PG	150

S.No	Name of the Student	Name of the Institution	UG/PG/RS/Faculty	Amount Rs.
89	V.VINITHA	KINGS COLLEGE OF ENGINEERING	PG	150
90	K.NITHYA	KINGS COLLEGE OF ENGINEERING	UG	150
91	P.SANTHOSH	KINGS COLLEGE OF ENGINEERING	UG	150
92	K.DHARUN	KINGS COLLEGE OF ENGINEERING	UG	150
93	K.MANIVANNAN	KINGS COLLEGE OF ENGINEERING	UG	150
94	S.SIVASANKAR	KINGS COLLEGE OF ENGINEERING	UG	150
95	V.VIVEK	KINGS COLLEGE OF ENGINEERING	UG	150

Total No. of External Participants : 61

Total No. of Internal Participants : 34

Total Participants : 95

Total Amount Collected : Rs.20,350 /-

*C. B. D.*  
Coordinators

*A. Adhyan*  
Head of the Department 27/9/17

*J. Anurag*  
27/9/17



**KINGS COLLEGE OF ENGINEERING**

**Punalkulam, Thanjavur - 613 303**

*You are cordially invited for the  
Inaugural function of*

**NATIONAL CONFERENCE**

*on*

**FLOURISHING AREAS IN ELECTRICAL AND  
ELECTRONICS ENGINEERING**

**[NACOFEE'18]**

*Organized by*

**Department of Electrical and Electronics Engineering**

**19<sup>th</sup> March, 2018**

*Presided by*

**Dr. J. Arputha Vijaya Selvi,  
Principal & Patron**

**Dr. M. Venkata Krithika,**

**Assistant Professor/EEE,  
NIT - Trichy**

*will inaugurate and deliver the keynote address*

**VENUE : PALLAVA HALL**

**TIME : 9.45 A.M**

*Conference chair*

**Prof. A. Albert Martin Ruban  
HoD/EEE**

## Report on "NACOFEE '18

### *4<sup>th</sup> National Conference on Flourishing Areas of Electrical & Electronics Engineering*

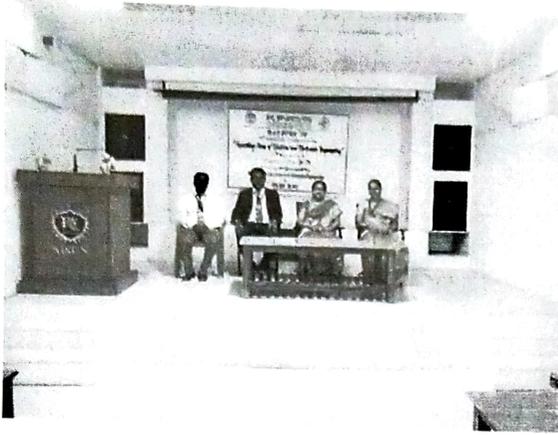


**Releasing Proceedings "NACOFEE18"**



**Chief Guest Address**

Department of Electrical and Electronics Engineering, Kings College of Engineering and ISTE Student Chapter organized 4<sup>th</sup> National Conference on Flourishing Areas of Electrical & Electronics Engineering on 19<sup>th</sup> March, 2018. The Conference was well organized with Chief Patron, Patron, Co-Patron, Convener and Organizing team with Organizing Secretaries. A team of inspired faculties and students sent brochure to more than 100 colleges and received positive response from 67 authors from 12 Engineering colleges apart from our internal participants. The Programme was organized at AV Hall. The conference was inaugurated at 9.30A.M with auspicious presence of the Chief Guest **Dr.M.Venkata Kirthika, Associate Professor, National Institute of Technology, Tiruchirappalli** and Mrs. N.Hemavathi, Assistant Professor of EEE welcomed the gathering. Vice Principal **Dr.S.Sivakumar** delivered presidential address followed by the introduction of Chief Guest by **Prof. A. Albert Martin Ruban**, Head, Department of EEE. The **Chief Guest** addressed about the significance of attending National and International Conferences, the job opportunities for electrical engineers. The *Conference Proceeding* was released by the **Chief Guest** and **Vice Principal** received it. The presentations of 30 papers were scheduled in three sessions. All the participants presented their technical innovations to the juries and participants.



**Valedictory**



**Feedback Session**



**Certificate Distribution**



**Certificate Distribution**



**Vote of Thanks**

The valedictory function was schedule from 4.00 P.M. to 4.30 P.M. The feedbacks from the participants were collected and few oral feedbacks were given. The certificates for the participants were distributed by the Chief Guest, Head and Organizing secretaries. **Mr.M.Mayapandi**, Assistant Professor, Department of EEE proposed Vote of Thanks.

1. *[Signature]*  
2. *M. Mayapandi*  
**Organizing Secretary**

*[Signature]*  
**HOD 21/3/18**

*J. Moneta*  
21/3/18  
**Principal**



**KINGS**  
COLLEGE OF ENGINEERING  
(N.A.C. Accredited Institution)  
(Approved by AICTE, New Delhi. Affiliated to  
Anna University, Chennai)



TUV Rheinland  
**CERT**  
ISO 9001

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

4<sup>th</sup> National Conference on flourishing Areas in Electrical and Electronics Engineering  
"NACOFEE' 18" on 19.03.2018

Registration Details

S. No	Title of the Paper	Name of the Authors	Name of the Institution	Contact Number	e-mail ID	DD/Cash Details	Signature
① C	Mitigation of Harmonics using SEVEN-LEVEL Inverter for Renewable Power System	Dr.G. Malathi, D. Praveen/Sangeetha Kumar, R. Navcen Kumar, S. Sivakumar, P. Arockia Stephen, S. Devaraj	IndraGanesan College of Engineering, Trichy	9500351362 98925604347	sdd@devaraj@gmail.com	Cash. ₹(500)	
②	Electricity profile analysis utilizing EUPQC in power system	ThivyaBharathi R. ✓ Renish D R. ✓ Saravanan R. ✓	Parisutham Institute of Technology and Science Thanjavur	9487294363	renishdreyan@gmail.com	already paid (NEFT) 750	J.R. Reji
③ C	Enhancement in Power Quality by Optimal Scheduling of integrated Power System	Saravanan .C. ✓ SudhaRamani.S. ✓ SooriyaPrabha.S ✓	Parisutham Institute of Technology and Science Thanjavur	8220939072	Sudharam.ani@gmail.com	already Paid (NEFT) 750	S. Sri

4	Synchronous Reference Frame Theory Based DSTATCOM for Electric Traction Load Compensation	<p>A Dheepanchakkaravarthy  Azhagesan  Vijai Sivalingam  Prof. Sangeetha Kumar  Dhinesh Kumar  Dhinesh Kumar  Sulaimuthu  Sarathkumar Kathiravel  Ponmathi Rajith Kumar  Sekar</p> <p>B Richards Rethinasamy,  Arockiasamy Bastin  Moharaj Patanisamy  Periyasamy Muthu,  Muniyandi  Innaci Muthu  Arockiasamy  Prakatheeshvaran  Subramaniam</p>	IndraGanesan College of Engineering, Trichy	9976734077	Sarathk 18051997 @gmail.com	Cash (1250)	Prakash
5	High efficiency fly back inverter using FPGA for PV application	<p>A Innaci Muthu  Arockiasamy  Prakatheeshvaran  Subramaniam</p>	IndraGanesan College of Engineering, Trichy	9750743031 7558132578	MohanSairi 018@gmail.com	Cash (1500)	Prakash
6	Neuro-OCR based assistive system for text detection with voice output	J.Aruna devi, P.Elakkiya, F.Nikitha, P.Sowmiya, Mrs.A.Amudha	P.R.Engineering College, Thanjavur				
7	5G Wireless Communication in Multi-Beam Antenna using MIMO	S.Padmavathi, M.ShamiraBegam, B.Sivaranjani, C.Sowndarya, Prof.P.Geetha	P.R.Engineering College, Thanjavur				
8	Hybrid smart home energy management system	D.Rajasri	Vandayar Engineering College, Thanjavur	8098213548	vijarajasri d@gmail.com	Cash 500	Prakash

M.S. ELAKKIYA M.E  
ASSISTANT PROFESSOR IN ECE  
VANDAYAR ENGINEERING COLLEGE.

	including a Renewable energy based on IOT						
①	⑨ Automatic Product Detection and Smart Billing for Shopping use Li-Fi ✓	G.Tamilvani, M.E., VLSI ✓ R. Supriya, M.E., Asst. Professor of ECE, ✓	Yandayar Engineering College, Thanjavur ✓	9751332934	gtamilvani 2111@gmail.com	cash 500 ✓	Philip
②	⑩ A single phase transformerless inverter with charge pump circuit for a grid tied PV applications ✓	Mrs.J.Saranya, ✓ Mrs.B.Kamali, ✓ P.Labi Ashrub, ✓ M.Muthamizan, ✓ K.Nagaraj ✓	University College of Engineering, Thirukkuvallai	9159765616	toitamizh30@gmail.com	cash 1250 ✓	M. Dhilip
④	⑪ Power factor improvement by using AVR microcontroller ✓	Mrs.J.Saranya, ✓ Mrs.B.Kamali, ✓ V.Thulasi, ✓ R.Dhanialakshmi, ✓ K.Indumathi, ✓ E.Kanimozhi ✓	University College of Engineering, Thirukkuvallai	8110819347	thulasi538@gmail.com	1500 (cash) ✓	V. Imran
③	⑫ A novel approach for library management and monitoring system based on IoT ✓	S.Maheshwaran, ✓ K.Girija, ✓ A.Kabila, ✓ S.Sriashmin ✓	Ponnaiyah Ramajayam College of Engineering & Technology, Thanjavur	8220210809 9655961025	girisija5595@gmail.com kabila23876@gmail.com	already 1000 ✓	J. Mohd
	13 Real time implementation wireless infant health monitoring system for instant anamoly detection	C.Abinaya, S.Nivetha, A.Gayathri, Mrs.A.Amudha	P.R.Engineering College, Thanjavur				
③	⑭ Hybrid power generation system using solar and peltier plate ✓	Dr.P.AvirajaManiula X Mr.B.Kunjithapatham Md. Jalaluddin	Prist University, Thanjavur	8778021532	mdjala/123@gmail.com	1250 ✓	J. Mohd

Md. Jalaluddin -  
 N. Dhilip Kumar -  
 J. Mohamed Imran -  
 C. Siddharthan -

③

15	SMS Based electrical appliance Controlling system using GSM and ARDUNIO	R.Elangovan. [P/EEE] D.Hariharan. [AP/EEE] S.Vivekkrishnan. M.Ajithkumar	P.R.Engineering College. Thanjavur	9842504759 9629496067	viveksrinivas 0305@gmail.com	Cash ✓ 1000/-	J. V. J.
16	Design and development of Visible light spot lighting system for location identification	R.Saraswathi, P. Iswarya L.Marina joshil N.Nandhini. S.Suriya	Ponnaiyah Ramajayam College of Engineering & Technology, Thanjavur	9003927514 9486941484	iswaryacmmu 1630@gmail.com mini ramya 9591@gmail.com	already cash 1250/-	P. J. J.
17	Survey on Pressure Measurement For Vacuum Motor in Automated Teller Machine Dispenser Using Internet of Things (IoT)	G.Ramanathan. V.Balaji	VI Institute of Technology, Chennai	9944957561	Sam24283@gmail.com	Already Paid 500	
18	GSM based transformer condition monitoring system	<del>Dr. P. Avirajamanjula. Guide</del> P.Arun Kumar. V.Vijay Kumar. D.Manoj	P.R.Engineering College, Thanjavur	8056371492	manojprabha -karan301@gmail.com	Cash 750/-	D. May
19	Design of energy efficient street light fault monitoring system using GSM network	Mrs.G.Krithiga. M.Haranya, S.Kaviyaa, K.Priyadharshini	P.R.Engineering College, Thanjavur	8098165199 8940369947	hemanthabkm@gmail.com Kaviyasiram@gmail.com	Already Paid Cash 750/-	M. V. J.
20	A Novel Scheme for WECS using Hybrid Converter based Solid-State Transformer	M.I.Abu Backer Siddique S.Mohamed Aashik A.John Britto R.Sathish	M.A.M School of Engineering, Tiruchirappalli.				
21	Monitoring and Implementatic.i of spycam Vehicle Using	Mr.M.Mayapandi, S.Ajithkumar, S.Amarnath,	Kings College of Engineering, Thanjavur	9566848969 8270574849	amosanita @gmail.com vivekvirek 70@gmail.com	Cash 400	S. J. J.

	Seashores and Navy Application	V.Vivek					
22	Smart grid monitoring system based on phasor measurement unit	Mrs.A.Prabha, K.Dharun, R.Muruguraj, P.Santhosh	Kings College of Engineering, Thanjavur	7904561424	santhoshkhan 20@gmail.com	400/- cash -	P. Janki
23	Design of charge Controller for solar powered charging station	*R.Sundaramoorthi, S.Karthick, V.Karthick, G.Santhosh	Kings College of Engineering, Thanjavur	9865949717	Santhoshgob4 11@gmail.com	400/ cash	G. Santhosh
24	Implementation of Zero-Voltage-Switching	Mr.P.Narasimman, Ms.S.Kanimozhi, Ms.K.Meenakumari, Ms.G.Archana	Kings College of Engineering, Thanjavur	7871091309	kani311296 @gmail.com	400/- cash	P. Janki
25	Intelligent Safety System for Mobikes	Dr.S.Sivakumar, R.Kishore kumar, M.Vijay Chandran, K.Yuvaraj, G.Srinivasan	Kings College of Engineering, Thanjavur	8248934893	Kishoreedhilip 2@gmail.com	400/- Cash	P. Janki
26	A microcontroller based monitoring and controlling of PV panel by Zigbee module	Mr.S.R.Karthikeyan. Mr.J.Arokiaraj, V. Moorthy Ms.S.Sowmiya, Ms.S.Krithika	Kings College of Engineering, Thanjavur	8610072892	Sowmiyasek- ar 25@ gmail.com	400/- cash	P. Janki
27	Polyhouse forming using Microcontroller	Devika.K, Sindhu.C, Vinitha.V N. Rajeswari	Kings College of Engineering, Thanjavur				
28	A New Soft Switching Dual Input Converter for Renewable Energy Systems	C.Balaji, K.Nithya, S.Ponmani, R.Preethi	Kings College of Engineering, Thanjavur	9487538010	nithyanithi 898@gmail.com	400/- cash	P. Janki
29	IoT based Monitoring and	Mr.J.Arokiaraj, A. A. Iyengar M. Arin Ruban	Kings College of				

	Controlling of home Appliances by using Zigbee Technology	Mr.S.R.Karthik S.Sivasankar. K.Manivannan P.Sarthasingh	Engineering. Thanjavur	7639477050	manichacos@gmail.com	400/-	
(30)	EG Chair: Eye and Gesture Based Wheelchair Control for Physically Challenged Person	U.R.Umakanth. B.Insathullah. S.Kalishvaran. N.Hemavathi	Kings College of Engineering. Thanjavur	9865429640	insathullah123@gmail.com	400/-	B.
(31)	IOT BASED TRANSFORMER HEALTH MONITORING SYSTEM	M.G. VIJAY ANAND T. RATHNA KUMAR DEPAVIRAJAMANI VIA (GUIDE)	PAIST UNIVERSITY THANJAVOUR	9791929142	staringoff@yahoocrimail.com	750/-	

Co-Ordinator

HOD

Faculties, Research Scholars, PG and UG Students from AICTE recognized institutions.

### Workshop Contents

- ✓ Innovative Technology for utilizing Solar Energy to home without inverter.
- ✓ Grid connected Solar PV system - Selection, Operation and Performance.
- ✓ Status of Solar Energy Production

### Resource Persons

Dr.P.S.Kannan,  
Professor (Emeritus),  
Department of EEE,  
TCE, Madurai.

Dr.S.Sivakumar,  
Professor & Head,  
Department of EEE,  
KCE, Thanjavur.

**Registration Fee per Participant : Rs.400 /-**

The registration fee should be paid by cash only. Pre-registration is mandatory by sending the duly filled registration form to the college address (or) e-mail the soft copy to [eeedept@kingsindia.net](mailto:eeedept@kingsindia.net)

### Important Dates

Last date for Submitting  
Registration form : 25.02.2017

Intimation of Acceptance : 28.02.2017  
(through e-mail only)

### Chief Patrons

Smt.Sharmila Rajaa  
Chief Financial Officer

Mr.TRS.Muthu Kumaar  
Chief Executive Officer

### Patron

Dr.S.Durairaj  
Principal

### Co-Patron

Dr.J.Arputha Vijaya Selvi  
Dean (R&D)

### Convener

Dr.S.Sivakumar  
Vice-Principal & HOD

### Co-ordinator

Mrs.N.Rajeswari  
Assistant Professor

One Day Workshop

On

**"INVERTERLESS SOLAR ENERGY  
BASED MICROGRID SYSTEMS"**

4<sup>th</sup> March, 2017



*Jointly Organized by*

Department of  
Electrical & Electronics Engineering  
and  
IEEE Student Branch



**KINGS**  
COLLEGE OF ENGINEERING



NAAC Accredited Institution  
An ISO 9001 Certified Institution  
Approved by AICTE, New Delhi  
Affiliated to Anna University, Chennai  
Punalkulam, Thanjavur - 613 303  
Phone : 04362 282474, 282676  
Fax : 04362 282494

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Kings College of Engineering (KCE) was born out of a dream and vision to provide education with unparalleled quality to the young and enthusiastic students of our nation. The College is approved by the AICTE, New Delhi and affiliated to Anna University, Chennai. The drive from our management and dedication of the faculty has seen KCE to rise to the status on one of the most prestigious institutions in this part of the country. KCE is a NAAC Accredited Institution for five years.

KCE, run by Raj Educational Trust (RET), Chennai is a fast growing Technical Institution in the state of Tamilnadu with a great promise to cater the educational demands of budding engineers in and around Thanjavur from 2001. Our institution offers five UG programmes namely EEE, ECE, CSE, Mechanical and Civil Engineering and five PG programmes namely VLSI Design, Mobile and Pervasive Computing, Thermal Engineering, Power Electronics & Drives, and Computer Science & Engineering. We strive and endeavor every passing day to build our students as technocrats.

#### **How to Reach?**

Thanjavur is well connected by Road / Rail transport from all major cities in Tamilnadu. Our college is located 15 kms from Thanjavur railway junction and 12 kms from New Bus Stand on Thanjavur - Pudukkottai National Highway.

The Electrical and Electronics Engineering Department is established in the year 2001. The Department of EEE offers 4 years B.E in Electrical and Electronics Engineering and 2 years M.E in Power Electronics and Drives. We have a team of highly qualified, experienced and dedicated faculty to impart quality education to the students. All the laboratories are well established with the state-of-art equipment and latest licensed software for simulation studies that will help our students to achieve their goals. Our department is an approved research centre for pursuing research (Ph.D) under Anna University, Chennai.

#### **Accommodation**

Participants are requested to make their own arrangements. However, suggestions to suitable accommodation could be made on request.

#### **Communication Address**

Mrs.N.Rajeswari,  
Co-ordinator of Workshop,  
Department of EEE,  
Kings College of Engineering,  
Punalkulam,  
Thanjavur - 613 303

Phone : 04362 282474, 282676

Mobile: Mr.C.Balaji - 9688664222

E-mail : eeedept@kingsindia.net

Website : [www.kingsindia.net](http://www.kingsindia.net)

#### **"INVERTERLESS SOLAR ENERGY BASED MICROGRID SYSTEMS"**

##### **Registration Form**

(Fill up in Capital Letters)

Name :  
 Faculty  Research Scholar  PG  UG

Department :

Institution :

Communication  
Address :

Phone/Mobile No. :

Email ID :

Registration Fee :

Date : Signature of the Applicant

##### **Sponsoring Certificate**

This is to certify that Dr./Mr./Ms. \_\_\_\_\_  
\_\_\_\_\_ of \_\_\_\_\_ department  
is being sponsored for attending the one day  
workshop on "*Inverterless Solar Energy  
based Microgrid Systems*" organized by  
department of EEE, Kings College of  
Engineering on 4<sup>th</sup> March, 2017.

Date :  
Signature of sponsoring authority  
(with seal)

70  
7/02  
7/01.



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

*One Day Workshop on  
"Inverterless Solar Energy Based Microgrid Systems" on  
04.03.2017*

REPORT

The department of Electrical and Electronics Engineering has organized a one day workshop titled as "Inverterless Solar Energy Based Microgrid Systems" on 04.03.2017. The objective of the workshop is to create awareness about usage of solar power to home without inverter.

Resource persons:

1. Dr.P.S.Kannan, Professor (Emeritus), Thiagarajar College of Engineering, Madurai.
2. Dr.S.Sivakumar, Vice Principal & HOD/EEE, Kings College of Engineering, Punalkulam.

Convenor:

Dr.S.Sivakumar, Vice Principal & HOD/EEE

Coordinators:

1. Mrs.N.Rajeswari, Assistant Professor / EEE
2. Mr.C.Balaji, Assistant Professor / EEE

Inaugural Session:

The dignitaries on the Day during the inaugural session were Dr.P.S.Kannan, Professor (Emeritus), HoD/EEE, Chief CoE Prof.A.Albert Martin Ruban, and the Program Coordinators Mrs.N.Rajeswari and Mr.C.Balaji. The program was started by Thamizh Thaa Vaazthu followed by Welcome address delivered by third year EEE student Ms.S.Kiruthika. Presidential address and the introduction of resource person Dr.P.S.Kannan has been given by the Head of EEE Department. 89 participants

(66 external and 23 internal) attended the workshop. Dr.P.S.Kannan presided over the session and delivered the lecture about the utilization of Solar power to home without inverter.

### **Session 1-Innovate Technology for utilizing Solar Power to home without inverter.**

Dr.P.S.Kannan discussed that the power cuts and poor voltage has been a regular feature, troubling both residents and industrialists alike in the region. When inverter sales are blooming due to erratic supply, a new technique is proposed to maintain uninterrupted power supply (UPS) by making use of basic direct current (DC) from solar power and batteries.

He also told that the Solar power production is DC and the power stored in batteries is also DC, hence the same DC can also be used at home for running electronic equipment without using an inverter. Most electrical appliances and electronic gadgets can be used with DC power. Running a DC system along with the AC system eliminates the need of inverters, this method is useful to avoid sine wave problem in inverter. Battery life will be high and there is lesser transmission loss. All electronic equipment / devices available in the market can directly be powered using 180 to 220 volts of DC sources instead of 230 Volts AC sources required for normal operations.

He concluded that the television, personal computer, fluorescent lamp with electronic ballast, CFL lights, mobile chargers, digital set top boxes, DVD players, and laptops can be operated using DC sources. Nowadays ceiling fans are also available for working in both AC and DC for almost the same price. A demonstration of this technique based lighting system is already installed at our Electrical Machines Laboratory.

### **Session 2: Visit to Solar Energy Lab**

In the session after tea break, the participants visited the solar energy lab installed in electrical machines lab at Kings College of Engineering. Dr.P.S.Kannan and the staff of EEE department demonstrated the solar based lighting system.

### Session 3: Status of Solar Energy Production

The session after lunch was started by Dr.S.Sivakumar, Head/EEE delivered a lecture about status of solar energy production & its need. He explained the potential of solar energy in India, how much potential available and the research areas that can be developed under solar power system in India. He also delivered the project ideas in solar system that can be developed by the students and the possibilities of getting funds for these projects.

### Session 4: Discussion and Doubt clearing

After a short break, the session was started with the resource persons Dr.P.S.Kannan and Dr.S.Sivakumar to discuss about the possibilities of such a system in home, economic factors, future trends and projects regarding this system with the participants. This session has been a very interactive session.

### Valedictory Function:

The feedbacks from the participants regarding the workshop were collected. Then, Mrs.N.Rajeswari, AP/EEE delivered the vote of thanks. The dignitaries issued certificates to all the participants. Finally the program ended with National anthem.

Prepared by

NB  
C. B. S. 6/3/17  
Coordinator

Verified by



Head of the Department

Dignitaries on the diaz



Welcome Address



Honoring the Chief Guest



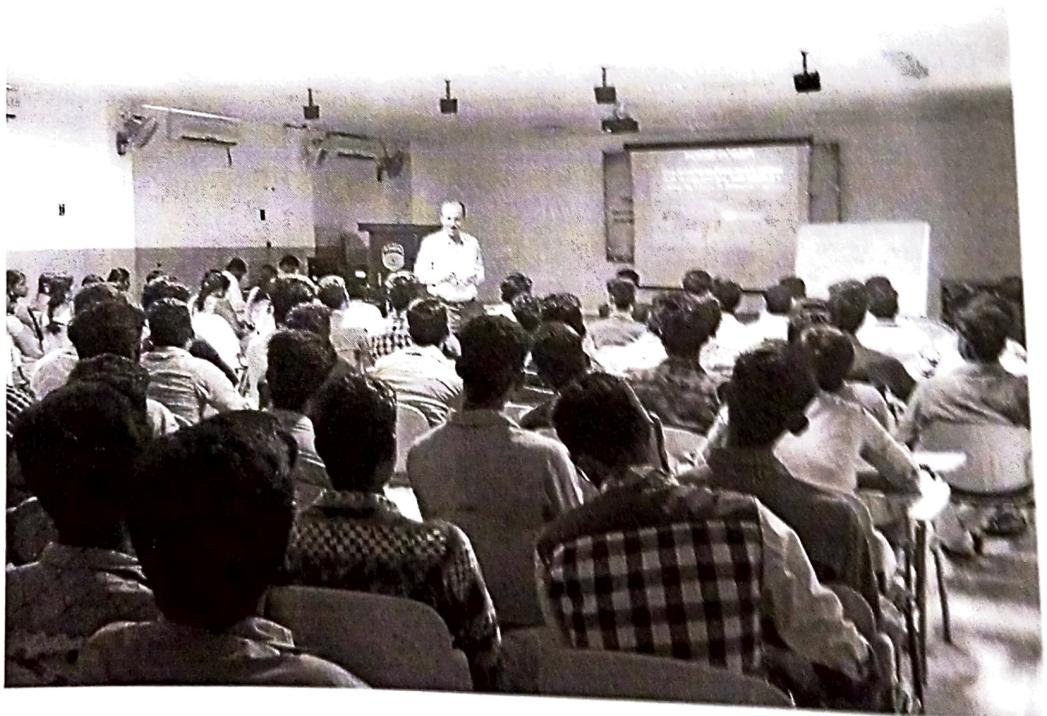
Presidential Address



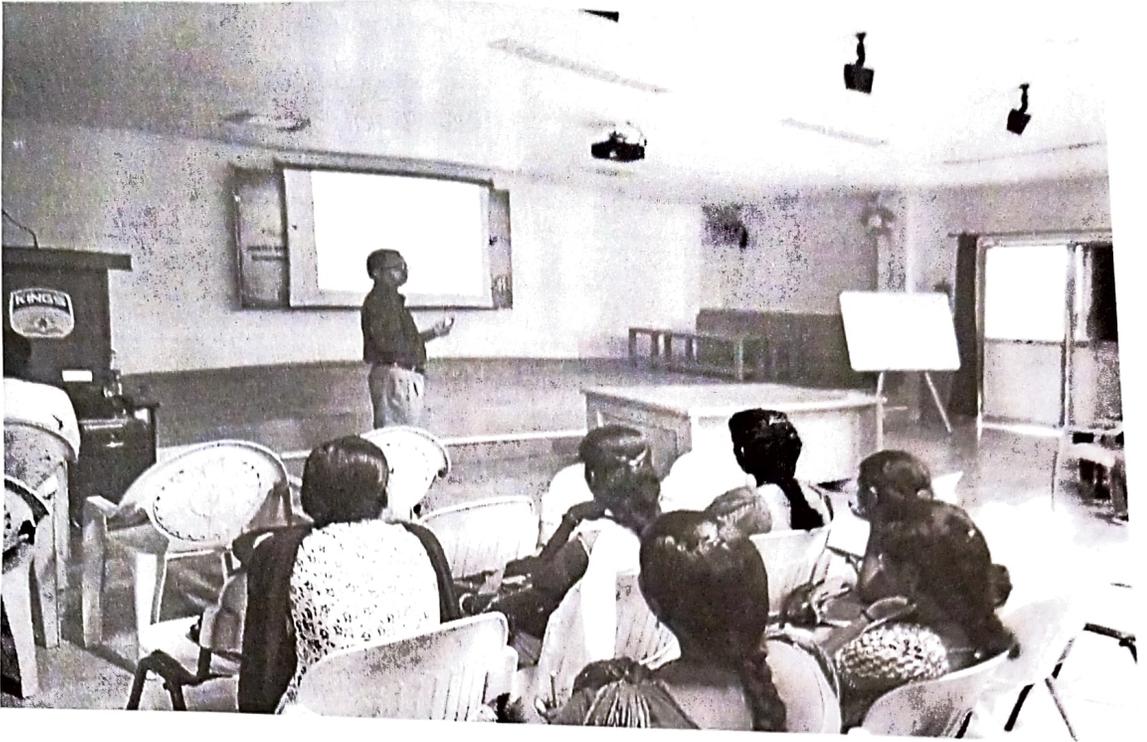
Participants



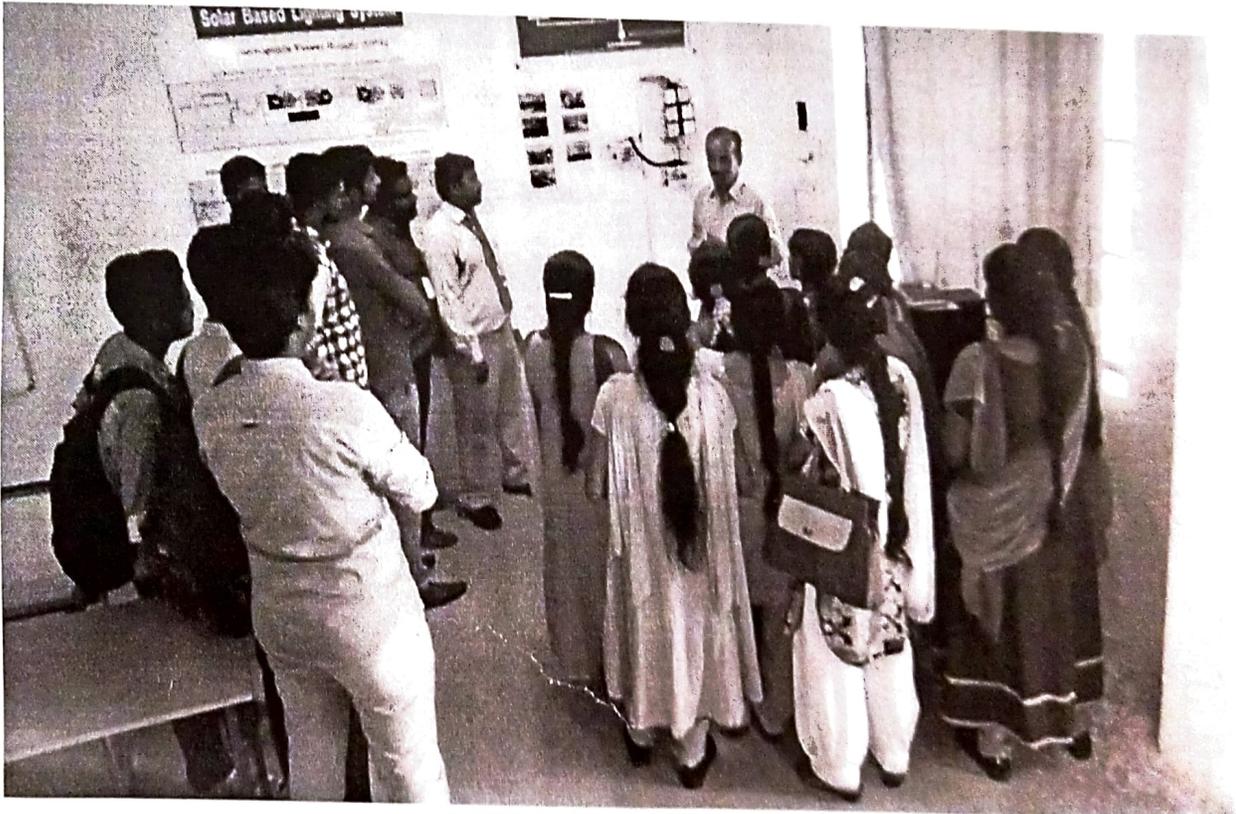
Lecture delivered by Dr.P.S.Kannan



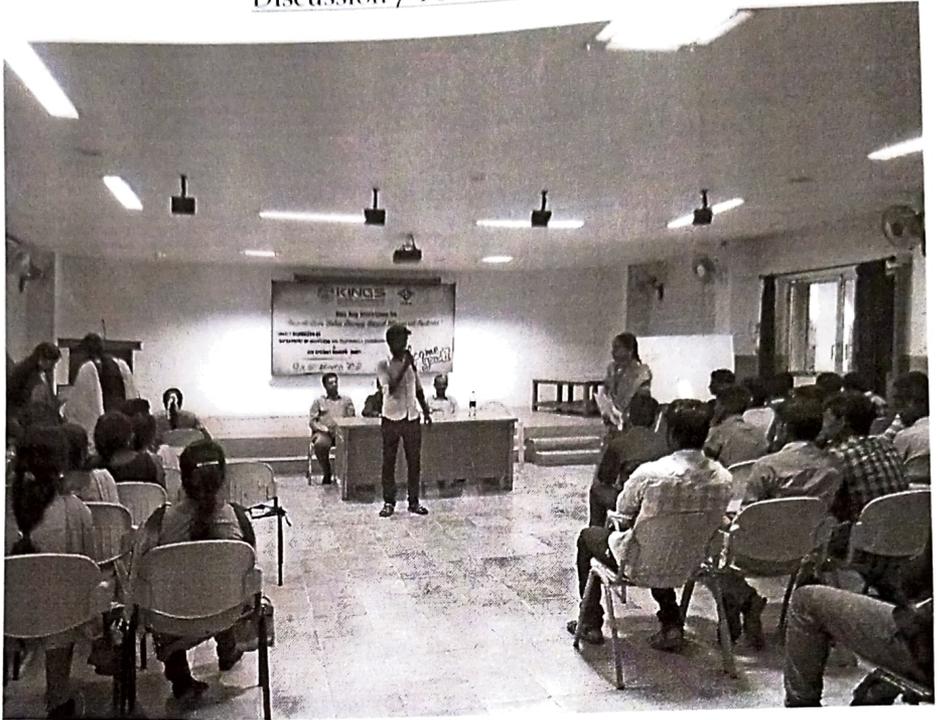
Lecture delivered by Prof.S.Sivakumar



Solar Lab demonstration



Discussion / Feedback Session



Distribution of certificates





Vote of Thanks



AS/ECE  
Prof. V. V. R.

### Advisory Committee

Dr.R.Gnanadoss, PEC, Pondichery  
Dr.D.Devaraj, Kalasalingam University  
Dr.Dinesh Chandra, MNNIT, Allahabad  
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Dr.E.Latha Mercy, GCE, Coimbatore  
Dr.C.N.Ravi, CIT, Chennai  
Christo Ananth, Editor-in-chief,  
(International Journal of Advanced Research  
in Basic Engineering Sciences and Technology)

### Technical Committee

Dr.K.Vijayakumar, SRM University  
Dr.Isha T.B, Amrita University, Coimbatore  
Dr.Indra Getzy David, GEC, Tirunelveli  
Dr.Ranganath Muthu, SSN College of Engineering and Technology  
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Dr.V.Jayasankar, Mepco Schlenk Engineering College, Sivakasi  
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Dr.Y.R.Sood, NIT, Hamirpur  
Dr.Virendra kumar sharma, NIT, Uttarakhand

### Organising Committee

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Chief Financial Officer  
Shri.TRS.Muthu kumaar,  
Chief Executive Officer

#### Patron

Dr.S.Durairaj, Principal

#### Co-Patron

Dr.J.Arputha Vijaya Selvi, Dean (R&D)

#### Conference Chair

Dr.S.Sivakumar, Vice Principal & Head EEE

#### Organizing Secretaries

Mrs.A.Prabha, AP/EEE  
Mr.J.Arokiaraj, AP/EEE

#### Members

Prof.A.Albert Martin Ruban, CCE  
Mrs.N.Hemavathi, AP/EEE  
Mr.R.Sundaramoorthi, AP/EEE  
Mrs.N.Rajeswari, AP/EEE  
Mr.C.Balaji, AP/EEE  
Mr.S.R.Karthikeyan, AP/EEE  
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Ms.N.Priya, AP/EEE  
Mr.M.Mayapandi, AP/EEE  
Ms.S.Elavarasi, AP/EEE  
Mr.V.Moorthy, AP/EEE

#### Address for correspondence

The Conference chair, NACOFEE'16, Department of EEE,  
Kings College of Engineering, Punakulam, Thanjavur- 613 303.

Mobile : 9629180241, 9786779591

Email : nacofee2k16@kingsindia.net

Website : www.kingsindia.net

New Bus Stand to Kings College : 11 km  
Railway Station to Kings College : 15 km  
Old Bus Stand to Kings College : 18 km  
Board Pudukkottai Bus to reach the  
college from New Bus Stand



# 3<sup>rd</sup> NATIONAL CONFERENCE

ON

## Flourishing Areas in Electrical and Electronics Engineering [NACOFEE'16]

28<sup>th</sup> December, 2016

Organized by  
**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

AN ISO 9001 CERTIFIED INSTITUTION



# KINGS

COLLEGE OF ENGINEERING

ACCREDITED BY NAAC, APPROVED BY AICTE,  
AFFILIATED TO ANNA UNIVERSITY CHENNAI

PUNALKULAM, THANJAVUR - 613 303

PHONE : 04362 282474, 282676, FAX : 04362 282494

www.kingsindia.net

### About Our Institution

Kings College of Engineering (KCE) was born out of a dream and vision to provide education with unparalleled quality to the young and enthusiastic students of our nation. The College is approved by the AICTE, New Delhi and affiliated to Anna University, Chennai. The drive from our management and dedication of the faculty has seen KCE to rise to the status on one of the most prestigious institutions in Tamilnadu. KCE, run by Raj Educational Trust (RET), Chennai is a fast growing Technical Institution with a great promise to cater the educational demands of budding engineers in and around Thanjavur from 2001. Our institution offers Six UG programmes namely EEE, ECE, CSE, IT, Mechanical and Civil Engineering and Five PG programmes namely VLSI Design, Mobile and Pervasive Computing, Computer Science and Engineering, Thermal Engineering & Power Electronics and Drives. We strive and endeavor every passing day to build our students as technocrats. Three of our Departments ECE, Mechanical, EEE have got research centre status from Anna university.

### Genesis

The Electrical and Electronics Engineering Department is established in the year 2001. The Department of EEE offers B.E programme in Electrical and Electronics Engineering and M.E programme in Power Electronics and Drives. The Department has a team of highly qualified, experienced and dedicated faculty to impart quality education to the students. All the laboratories are well established with the state-of-art equipment and latest licensed software for simulation studies that will help our students to achieve their goals.

### Conference Objective

The conference is committed to become the preferred and common hub for the researchers, academicians, practicing engineers, policy makers, and industrialist to exhibit their new research results, to seek solutions for their research / industrial challenges/problems, to develop networking with hundreds of professionals in the field of interest.

### Conference Themes

- Energy conservation and harvesting
- Energy efficient and power saving technology
- FACTS Controllers
- Biomedical instrumentation
- Bioinformatics and material science
- PLC & SCADA systems
- Power delivery and signaling for IC Chips
- Soft computing techniques in power systems
- Power Quality issues & Enhancement
- Intelligent control systems
- Role of Nuclear energy and its issues
- Robotics & Automation systems
- New Power converter topologies
- High Voltage Engineering
- New Inverter Technologies
- Power system security
- Solid state drives
- Renewable Energy systems
- Embedded systems and controls
- Electrical machines and drives
- Control systems
- Measurements & Data acquisition
- Safety, Reliability & Smart sensors in power systems
- Distributed Generation
- Deregulated power systems
- Microgrid power system
- Optimal management of power system

### Call for Papers

Original research and unpublished papers are invited in the above list of themes from Researchers, Academicians, Practicing Engineers, R&D Personnel and PG Students. The guidelines for preparing full length papers should be followed as per IEEE format. The papers shall be reviewed by the experts and authors will be intimated as per schedule. At least one author of the paper should register for the conference. Only selected papers with registration fee will be entertained for presentation and published in the conference proceedings.

### Paper Submission

The papers must be submitted through E-Mail in both word and PDF format (compulsorily it must be in IEEE format) to [nacofee2k16@kingsindia.net](mailto:nacofee2k16@kingsindia.net)

### How To Apply

Apply through online. For Details visit [www.kingsindia.net](http://www.kingsindia.net). The Hard copy of the registration form along with DD should be sent to the Conference chair.

### Registration Fee

Industrialists	: Rs.1500/
Academicians/Research Scholars	: Rs.1300/
PG Students	: Rs. 750/

The Demand Draft should be drawn from any of the nationalized bank in favour of "The Principal, Kings College of Engineering", payable at Thanjavur.

### Important Dates

Receiving Full length camera ready paper	: 18.11.2016
Notification of acceptance	: 12.12.2016
Conference date	: 28.12.2016

### Conference Publication

Best Paper will be published in International Journal of Advanced Research in Basic Engineering Sciences and Technology [ IJARBEST ] (Thomson Reuters Web of Science Indexed Journal with an Impact Factor of 5.023)

### Accommodation

Participants are requested to make their own arrangements. However, suggestions to suitable accommodation could be made on request.

## 3<sup>rd</sup> NATIONAL CONFERENCE ON Flourishing Areas in Electrical and Electronics Engineering (NACOFEE'16)

### REGISTRATION FORM

Name :

Industrialist  Acadamecians/  
Research Scholar  PG

Department :

Institution :

Communication  
Address :

Phone/Mobile No. :

Email ID :

Registration Fee :

D.D. No. :

Date of D.D. :

Name of the Bank :

Date :

Signature of the Applicant

### Sponsoring Certificate

This is to certify that Dr./Mr./Ms. \_\_\_\_\_ of \_\_\_\_\_ department is being sponsored for attending the conference NACOFEE'16 organized by department of EEE at Kings College of Engineering on 28<sup>th</sup> December, 2016, if selected.

Date :

Signature of the sponsoring author  
(with seal)



# Post Conference Report

of

## National Conference on Flourishing Areas in Electrical and Electronics Engineering (NACOFEE'16)

28<sup>th</sup> December 2016

Organized by

Department of Electrical & Electronics Engineering



**KINGS**

COLLEGE OF ENGINEERING

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*Handwritten signature in blue ink.*

**INVITED KEYNOTE ABSTRACTS**





## Evolutionary Algorithms for Solving Multi-objective Optimization Problems



**Dr.D.Devaraj,**  
Dean, Academics,  
Kalasalingam University,  
Krishnankoil-626126  
Emai:deva230@yahoo.com

Optimization is the act of obtaining the best result under given circumstances. The ultimate goal of all such decisions is either to minimize the effort required or to maximize the desired benefit. Since the effort required or the benefit desired in any practical situation can be expressed as a function of certain decision variables, *Optimization* can be defined as the process of finding the variables that give the maximum or minimum value of a function. In many real-life optimization problems, multiple objectives have to be taken into account, which may be related to the economical, technical and environmental aspects of optimization problems.

These objectives are usually incommensurate and in conflict with each other. Because of the presence of conflicting multiple objectives, a multi-objective optimization problem results in a number of optimal solutions, known as pareto optimal solutions. In a multi- objective optimization, effort must be made in finding the set of trade-off optimal solutions by considering all objectives to be important. One, straightforward approach to solve the multi-objective optimization problem is to convert them into a single objective problem by linear combination of different objectives as a weighted sum method is that a set of non-inferior (or pareto optimal) solutions can be obtained by varying the weights. Unfortunately, this requires multiple run as many times as the number of desired pareto optimal solutions. Furthermore, this method cannot be used to find pareto-optimal solutions in problems having a non-convex pareto optimal front. The ability of Evolutionary Computation techniques like Genetic Algorithm to find multiple optimal solutions in one single simulation run makes them unique in solving multi-objective optimization problem. In this presentation, the details of multi-objective genetic algorithm in solving the multi-objective optimization problems will be presented. Case studies on power system optimization problems will also be presented.

**Dr.D.Devaraj**



NO	PAPER ID	TITLE OF THE PAPER	NAME OF THE AUTHORS	NAME OF THE INSTITUTION
1	EE01	Implementation of Interleaved Boost Converter Fed DC Drive	N.Dhanasekar <sup>1</sup> M.Arunprakash <sup>2</sup> M.Latha <sup>3</sup> J.Varshini <sup>4</sup>	<sup>1</sup> Associate professor, AVC College of Engineering <sup>2</sup> Associate professor AVC College of Engineering <sup>3</sup> Assistant Professor AVC College of Engineering <sup>4</sup> UG Student AVC College of Engineering
2	EE02	Modeling and Reactive Power Analysis of DFIG Using Simulink	R. Sethuraman <sup>1</sup> , A.Ragavendiran <sup>2</sup> ,	<sup>1</sup> Final year, Dept of EEE, AVC College of Engineering, Mayiladuthurai, <sup>2</sup> Assistant Professor, Dept of EEE, AVC College of Engineering, Mayiladuthurai, ragavendiran.as@gmail.com,
3	EE03	Power Quality Improvement In Grid And Distribution Network Using DSTATCOM	B.VIMAL <sup>1</sup> , R.SANTHAMEENA <sup>2</sup> S.SOORIYA PRABHA <sup>3</sup> , R.SARAVANAN <sup>4</sup> ,	<sup>1,2</sup> PG student [PS], Dept. of EEE, Parisutham Institute of Technology and Science, Thanjavur. <sup>3,4</sup> Assistant Professor ,Dept. of EEE, Parisutham Institute of Technology and Science, Thanjavur.
4	EE04	Power system stabilizer based PID controller	P. Manikandan <sup>1</sup> I. Mahendrarvarman <sup>2</sup>	<sup>1</sup> Final Year Students, Department of EEE <sup>2</sup> Assistant Professor Department of EEE AVC college of Engineering Mayiladuthurai,
5	EE05	Multi input SEPIC converter based grid connected hybrid energy system	A.JohnBritto <sup>1</sup> , R.Pandiyan <sup>2</sup> , S.Parthipan <sup>3</sup>	<sup>1</sup> Assistant Professor, Department of Electrical and Electronics Engineering, Annai College of Engineering and Technology, Kumbakonam, <sup>2</sup> Assistant Professor, Department of Electrical and Electronics Engineering,

				St.Joseph's college of Engineering and Technology, Thanjavur, <sup>3</sup> Final year EEE, Department of Electrical and Electronics Engineering, Annai College of Engineering and Technology, Kumbakonam.
6	EE06	A Study on Self-Monitoring Glucose Sensing With Multi-Parametric Surface Plasmon Resonance	J.Sharmila Devi <sup>1</sup> , S.R.Karthikeyan <sup>2</sup>	<sup>1</sup> Assistant Professor, Department of Instrumentation and Control Engineering, A.V.C. College of Engineering, Mayiladuthurai, Tamil Nadu, India <sup>2</sup> Assistant Professor, Department of Electrical and Electronics Engineering, Kings College of Engineering, Thanjavur, Tamil Nadu, India
7	EE07	Implementation of Hybrid Bi-directional DC/DC Converter in Microgrid	N.Rathipriya <sup>1</sup> N.Rajeswari <sup>2</sup>	<sup>1</sup> PG Scholar <sup>2</sup> Assistant professor Department of EEE Kings College of Engg. Thanjavur
8	EE08	Design & Implementation of Smart Energy meter for the Smart Grid	<sup>1</sup> G.Suresh, <sup>2</sup> N.Mangaleswari,	<sup>1</sup> Associate Professor/EEE, Vandayar Engineering College, Pulavarnatham <sup>2</sup> Asst.Professor/EEE, Vandayar Engineering College, Pulavarnatham
9	EE09	Enhanced Technique to Switch PMSG Based Wind Turbine Grid Integration	R.Varmela	PG Scholar Arasu Engineering College, Kumbakonam
10	EE10	Design and implementation of a novel irrigation water pump control system for delta formers	M.Vijayakumar <sup>1</sup> , A. Sundar Raj <sup>2</sup> , K. Muthazhagi <sup>3</sup> , M.H. Sumeena Azlina Farveen <sup>4</sup>	<sup>1,2</sup> Associate Professor, E.G.S. Pillay Engineering College, Nagapattinam, India. <sup>3,4</sup> UG Student, Department of ECE, E.G.S. Pillay Engineering College, Nagapattinam, India.

11	EE11	Comparison Between Kalman Filters In Nonlinear Process	Annapoorani P <sup>1</sup> Manju P <sup>2</sup> Department of Electrical and Electronics Engineering, TRP Engineering College Samayapuram, Trichy.	<sup>1</sup> AP/Department of Electrical & Electronics Engineering, Dhanalakshmi Srinivasan Institute of Technology, Samayapuram, Trichy. <sup>2</sup> AP/Department of Electrical and Electronics Engineering, TRP Engineering College, Samayapuram, Trichy.
12	EE12	Nano-Integration With Quantum Dot Cellular Automata	J.Sharmila Devi <sup>1</sup> , S.Senthilnathan <sup>2</sup>	<sup>1</sup> Assistant Professor ,Department of Instrumentation and Control Engineering, <sup>2</sup> Assistant Professor Department of Electronics and Communication Engineering, A.V.C. College of Engineering, Mayiladuthurai, Tamil Nadu, India
13	EE13	Tuning and control of RTD-A controller for level process	<sup>1</sup> S.Ganapathi <sup>2</sup> Dr.S.Mourouga Pragash	<sup>1</sup> Department of EIE, Pondicherry Engineering College, Pondicherry, India, <sup>2</sup> Department of EIE, Pondicherry Engineering College, Pondicherry, India,
14	EE14	Novel Method of Maximum Efficiency Tracking Control Scheme for Closed Loop Wireless Power Charging System Employing Series Resonant Tank	<sup>1</sup> Mrs. J. Saranya, M.E <sup>2</sup> P.Kanaga <sup>3</sup> S.Tamizharasi	<sup>1</sup> Assistant Professor(TF) <sup>2,3</sup> PG scholar Thirukodai Campus
15	EE15	Simulation of three phase five-level neutral clamped inverter (NPC) for Induction motor	<sup>1</sup> M.Mayapandi <sup>2</sup> R.Maimozhi, <sup>3</sup> K.Gayathiri	<sup>1</sup> Assistant Professor, <sup>2,3</sup> Final Year EEE , Department of Electrical and Electronics Engineering, Kings College of Engineering

16	EE16	Implementation and Control of Multiple Input Single Converter Battery Charger for DC Nanogrid Applications	<sup>1</sup> K.Pradeep Sagar Raj <sup>2</sup> R.Sundaramoorthi	<sup>1</sup> P.G Scholar Kings College of Engineering <sup>2</sup> Assistant Professor Kings College of Engineering
17	EE17	Simulation and hardware implementation of BLDC motor drive fed by a PFC cuk converter using a voltage follower approach	R. Amulraj <sup>1</sup> D.Vinoth Kumar <sup>2</sup>	<sup>1</sup> Finar year, Dept of EEE, AVC College of Engineering, Mayiladuthurai, <sup>2</sup> Assistant Professor, Dept of EEE, AVC College of Engineering, Mayiladuthurai
18	EE18	Intelligent and Optimized use of Energy for Home Energy Management System(HEMS) with Labview	Sivasakthi.S,	Master of Engineering (Power Electronics and Drives), Department of Electrical and Electronics Engineering, Arasu Engineering College, Kumbakonam, India
19	EE19	Smart Tracking Systems For Domestic Consumers	<sup>1</sup> Dr.S.Sivakumar, <sup>2</sup> A.Prabha <sup>3</sup> C.Balaji,	<sup>1</sup> Professor <sup>2,3</sup> Assistant Professor, Kings College of Engineering, Thanjavur, Tamilnadu
20	EE20	Regulation of Voltage and Frequency in a Grid Connected System using Renewable Energy Resources	Anbumani.A	Department of Electrical and Electronics Engineering, Arasu Engineering College, Kumbakonam, India
21	EE21	A Robust Method for Developing Grid Entwined Photovoltaic System Using Low Modernizer MOSFET Inverter	M. Hema	PG Scholar Arasu Engineering College, Kumbakonam
22	EE22	An Efficient Design of GC Photovoltaic System via Boost Converter and MPPT	Vinothini L <sup>1</sup> , K.Kalpana <sup>2</sup>	<sup>1</sup> M.E Scholar./EEE <sup>2</sup> Assitant Professor/EEE Arasu Engineering College, Kumbakonam.

The Department of Electrical and Electronics Engineering has organized the National conference on "Flourishing areas in Electrical and Electronics Engineering- NACOFEE'16" and the Department of Electronics and Communication Engineering has organized the National Conference on "Signal Processing and VLSI Design- NCSPVD'16" on 28.12.2016 in Chera Hall.

This conference is committed to become the preferred and common hub for the researchers, academicians, practicing Engineers, and industrialists to exhibit their new research findings. It seeks solutions for the research/industrial challenges/problems, and makes avenue to develop networking with hundreds of professionals in the field Electrical, Electronics and communication.

The programme was started with Inaugural session by 10.00AM. Dr.S.Sivakumar, Vice-Principal & HOD (EEE) has delivered the welcome address to the conference gatherings and honored the chief guest Dr.D.Devaraj, Dean Academics (EEE), Kalasalingam University, Krishnan Koil and Dr.R.Vimalathithan, Professor/ECE, Karpagam College of Engineering. Dr. J.Arputha Vijaya Selvi, Dean(R & D) and HOD (ECE), has felicitated the chief guest with memento as the token of honor.

The Chief Guest of NACOFEE'16, Dr.D.Devaraj, Dean Academics (EEE), Kalasalingam University, Krishnan Koil has released the conference proceedings and CD to the gatherings of the conference and it was received by Dr.S.Sivakumar, Vice-Principal & HOD (EEE).

The Chief Guest of NCSPVD'16, Dr.R.Vimalathithan, Professor/ECE, Karpagam College of Engineering has released the conference proceedings and CD to the gatherings of the conference and it was received by Dr. J.Arputha Vijaya Selvi, Dean(R & D) and HOD (ECE).

Dr.S.Durairaj, Principal, Kings College of Engineering has delivered the presidential address. He has explained the current scenario about Electrical, Electronics and communication Engineering. He has registered his strong views about the scope of the conference. He said that this National conference will be a platform for Researchers, academicians and PG students to discuss about recent trends, Challenges and advancements related to the flourishing areas in Electrical and Electronics Engineering.

Signal Processing and VLSI design, which will create an opportunity to focus on specific areas from their own perspective and experiences in this field.

**Ms.A.Prabha**, Assistant Professor/EEE and an organizing secretary of NACOFEE'16 has introduced the chief guest Dr.D.Devaraj. The chief guest is having 20 years of teaching experience and his present position is Dean Academics (EEE), Kalasalingam University, and Krishnan Koil. He is a member in various professional bodies. He has organized so many faculty development programmes, workshops, seminars, conferences for the betterment of faculties and students. He has selected as one of the International biographical centre's leading scientists of the world for continuous couple of years 2007 & 2008. He has received the outstanding faculty award from venus International foundation for his contribution and achievement in the field of Electrical Engineering. He has played a role of project Director and co-investigator for sponsored research project funded by Department of Science and technology and 2 projects has been completed successfully. He is a recognized supervisor of Anna university Chennai, SRM University Chennai & Kalasalingam University, Krishnan Koil. He has published more than 100 papers in National and International conferences and journals.

**Dr.D.Devaraj** has delivered the inaugural address and explained the importance of conference. Also he has explained about the recent trends, growth, future scope, ongoing projects and research in the field of Electrical and Electronics Engineering.

**Mr.P.Raja pirian**, Assistant Professor/ECE and an organizing secretary of NCSPVD'16 has introduced the chief guest Dr.R.Vimalathithan. The Chief Guest is specialized in communication system and his research area is Cryptanalysis. He got Ph.D from Anna University, Coimbatore and received Post Doctoral Fellowship from university of PADOVA, Italy. He started his profession as lecturer in Government college of Technology Coimbatore and hold various position like senior lecturer , Head of the department etc., He published many articles in reputed Journals and presented papers in many conferences. He has delivered lectures in various seminars in the field of EMI and cryptography. His major research projects are Intelligent ARM for physically challenged, Visual Circuit Analyzer, Open Space Electromagnetic Interference Measurement, Machine to Machine Communication & Secure communication protocol for WPAN. He is a reviewer

of the journals for DRDO, WSEAS and IJNS. He has received the award for International Mobility Program for Young Researchers from India & Nepal.

**Dr.R.Vimalathithan** has delivered the inaugural address and explained the importance of conference. Also he has explained about the recent trends, growth, future scope, ongoing projects and research in the field of Electronics and Communication Engineering.

**Dr.D.Devaraj** has delivered the keynote address in Pallava hall to the participants of the NACOFEE'16 on the title " **Evolutionary Algorithms for solving Multi-Objective Optimization Problems.**" He addressed that Optimization is the act of obtaining the best result under given circumstances. The ultimate goal of all such decisions is either to minimize the effort required or to maximize the desired benefit. Since the effort required or the benefit desired in any practical situation can be expressed as a function of certain decision variables, Optimization can be defined as the process of finding the variables that give the maximum or minimum value of a function. In many real-life optimization problems, multiple objectives have to be taken into account, which may be related to the economical, technical and environmental aspects of optimization problems.

These objectives are usually incommensurate and in conflict with each other. Because of the presence of conflicting multiple objectives, a multi-objective optimization problem results in a number of optimal solutions, known as pareto optimal solutions. In a multi- objective optimization, effort must be made in finding the set of trade-off optimal solutions by considering all objectives to be important. One, straightforward approach to solve the multi-objective optimization problem is to convert them into a single objective problem by linear combination of different objectives as a weighted sum method is that a set of non-inferior (or pareto optimal) solutions can be obtained by varying the weights. Unfortunately, this requires multiple run as many times as the number of desired pareto optimal solutions. Furthermore, this method cannot be used to find pareto-optimal solutions in problems having a non-convex pareto optimal front. The ability of Evolutionary Computation techniques like Genetic Algorithm to find multiple optimal solutions in one single simulation run makes them unique in solving multi-objective optimization problem.

In this presentation, the details of multi-objective genetic algorithm in solving the multi-objective optimization problems will be presented. Case studies on power system optimization problems have been presented.

**Dr.R.Vimalathithan** has delivered the keynote address in Chera hall to the participants of the NCSVPD'16 on the title "**Smart City**". He discussed that there is no unique definition for Smart City. The conceptualization of Smart City varies from city to city and country to country, depending on the level of development, willingness to change and reform, resources and aspirations of the city residents. A smart city would have a different connotation in India than, say, Europe. In India, evolutions of smart cities are already in progress. This evolution will provide cities with excellent ways to improve its living standards and economies of people. The objective of smart city projects is to promote cities that provide core infrastructure, a clean sustainable environment and use the resources such as energy ,water as efficiently as possible and provide purified air, good quality food thereby improving the living standards of citizens. A smart city offers its inhabitants maximal life quality with minimal consumption of resources, based on an intelligent interconnection of infrastructure (transport, energy, communication etc.) on different hierarchic levels (building, quarters, city). He said that Our Prime Minister Mr.Narendra Modi has paved the way for evolving towards the Internet of Cities. Let us support for the project in terms of technical contribution to the society.

The research scholars, faculty and students from various Engineering colleges exhibited their views, thoughts and research in the areas of Electrical, Electronics and Communication Engineering. **Professor.A.Albert Martin Ruban, Ms.N.Hemavathi and Mr.R.Sundaramoorthi** were the members of jury.

The valedictory function was arranged at Pallava Hall by 04.30PM. **Dr.S.Sivakumar**, Vice-Principal & HOD (EEE) has delivered the conference summary to the conference gatherings. Delegates from the various institutions have registered their valuable feedback. The Certificates were distributed to the participants by the conference chair.

**Mr.J.Arokiaraj**, Assistant Professor/EEE and an organizing secretary of NACOFEE'16 has delivered the vote of thanks. On behalf of the management he expressed the sincere thanks to the Chief guest Dr.D.Devaraj, the Principal, the Vice principal & HOD-EEE, Conference chair, teaching and non teaching faculties, event management committee, PG & UG students, delegates from various Engineering colleges for their excellent co operation to make this conference a grant success. Finally the programme was ended with National anthem.



Dignitaries on the Dias



Presence of PRO, Prof. Albert Martin Ruban and participants in chera Hall for Inaugural Function



Lighting of Kuthu vilakku by the chief guest of NACOFFEE' 16- Dr.D.Devaraj, Dean Academics, Kalasalingam University, Krishnan Koil



Lighting of Kuthu vilakku by the chief guest of NCSPVD' 16- Dr.R.Vimalathithan, Professor/ECE, Karpagam College of Engineering.



Lighting of Kuthu vilakku by our Principal - Dr.S.Durairaj



Lighting of Kuthu vilakku by our Dean (R & D)- Dr.J.Arputha Vijaya Selvi



Dr.S.Sivakumar ,VicePrincipal & HOD-EEE is delivering the welcome address



Gatherings of National Conference 2016



Dr.S.Sivakumar is honoring the chief guest of NACOFEE'16 with shawl



Dr.S.Sivakumar is honoring the chief guest of NCSPVD'16 with shawl



Dr.J.Arputha Vijaya Selvi , Dean (R & D) is honoring the chief guest of NACOFEE'16 with memento



Dr.J.Arputha Vijaya Selvi , Dean (R & D) is honoring the chief guest of NCSPVD'16 with memento



Releasing of Proceedings of NACOFEE 16



Releasing of Proceedings of NCSVD 16



Releasing of CD of National Conference by our principal Dr.S.Durairaj



Presidential Speech by our Principal Dr.S.Durairaj



Ms.A.Prabha, organizing Secretary of NACOFEE 16 is introducing the Chief Guest Dr.D.Devaraj



Dr.D.Devaraj, the Chief Guest of NACOFEE 16 is delivering the Inaugural address



Mr.P.Raja Pirian, Organizing Secretary of NCSPVD '16 is introducing the Chief guest Dr.R.Vimalathithan



Dr.R.Vimalathithan, the Chief Guest of NCSPVD'16 is delivering the Inaugural address



Dr.D.Devaraj is delivering the keynote address on the title " Evolutionary algorithm for multi - objective optimization problems"



Members of Jury, Prof.A.Albert Martin Ruban & Ms.N.Hemavathi listening to the presentation of delegates from various Engineering Colleges.



Discussion with members of jury



Delegates from various Engineering colleges



**Mr. S. Sivakumar, HOD-EEE is conveying the conference summary to the gatherings**



**Registering the valuable feedbacks of the delegates**



**Mr. J. Arokiaraj, an organizing secretary of NACOFEE'16 is delivering the vote of thanks to the gatherings.**



**An Entire Team of NACOFEE'16  
Department of EEE**