



KONGU ENGINEERING COLLEGE

(Autonomous)

Perundurai, Erode-638060

Department of Electrical and Electronics Engineering

Organizes

4 Days Industrial Webinar

on

**Home and Building Installation
and Control Drives**

on

24.06.2021 to 27.06.2021

Jointly Organizes by

**KONGU ENGINEERING COLLEGE AND
SCHNEIDER ELECTRIC INDIA**

Intrested Participants kindly register in the following link:

<https://tinyurl.com/5m4absa2>

KONGU ENGINEERING COLLEGE, PERUNDUAI-638060
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
INDUSTRY FACULTY DEVELOPMENT TRAINING PROGRAM ON
“HOME AND BUILDING INSTALLATION AND BASIC AUTOMATION-MODULE 4B”

List of Participants

S.No	Name of the Participant	Designation
1.	Dr.A.Sheela	Associate Professor
2.	Dr.R.Meenakumari	Professor
3.	Mr.P.Tamilarasu	Assistant Professor (Senior Grade)
4.	Mr.M.Raja	Assistant Professor (Senior Grade)
5.	Dr.T.Gunasekar	Associate Professor
6.	Dr.S.Praveen Kumar	Assistant Professor (Senior Grade)
7.	Dr.K.Gomathi	Associate Professor
8.	Mr.C.Naveen	Assistant Professor (Senior Grade)
9.	Mr.V.S.Sakthimurugan	Lab Assistant
10.	Dr.N.Senthilnathan	Professor
11.	Mr.G.Sivasankar	Technical Assistant
12.	Dr.V.G.Pratheep	Assistant Professor (SLG)
13.	Ms.S.Gomathy	Assistant Professor (Senior Grade)
14.	Mr.V.Nithish Kumar	Student
15.	Mr.V.Gowri Shankar	Assistant Professor (Senior Grade)
16.	Ms.N.Nandhini	Assistant Professor (Senior Grade)
17.	Mr.C.Dineshkumar	Technical Assistant
18.	Mr.J.Karthi	Technical Assistant
19.	Mr.M.Sabarimuthu	Assistant Professor (Senior Grade)
20.	Mr.C.Palanisamy	Instructor
21.	Mr.S.Jegan	Assistant Professor (Senior Grade)
22.	Mr.M.Suresh	Assistant Professor (Senior Grade)
23.	Dr.M.Srinivasan	Assistant Professor (Senior Grade)
24.	Mr.S.Kavinkumar	Technical Assistant
25.	Mr.D.Sarathkumar	Assistant Professor (Senior Grade)
26.	Dr.N.Priyadharshini	Assistant Professor (Senior Grade)
27.	Dr.P.S.Raghavendran	Associate Professor
28.	Mr.R.Ranjith Kumar	Assistant Professor (Senior Grade)

The main meeting area displays a grid of participant avatars. In the top row, there are two large circular avatars labeled 'AM' (green) and 'SK' (blue). In the bottom row, there is a large circular avatar labeled 'D' (orange) and a video feed of a man with glasses and a mustache, identified as Sai Rao. Below the 'D' avatar, there is a row of smaller avatars labeled +9, D, SD, JK, VR, RM, GV, N, P, P, D, and AD.

People

Share invite

- N N.Senthilnathan (Guest)
- NC Naveen C.
- N1 NITHISH KUMAR 19MTL118 ...
- P palanisamy (Guest)
- P priyadharshini (Guest)
- PN Priyadharshini N.
- RM R Meenakumari (Guest)
- RM RAJA M (Guest)
- SR **Sai Rao**
- SD Sarathkumar D.
- VR Vaibhav Suesh Rout

KONGU ENGINEERING COLLEGE, PERUNDURAI – 638 060
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
FOUR DAY INDUSTRIAL WEBINAR
On
HOME AND BUILDING INSTALLATION AND CONTROL

Program Report

A four day Industrial Webinar on “Home and Building Installation and Control” was conducted on 24.06.2021 and 27.06.2021 exclusively for Faculties and Lab Technicians for our Institution. The participants gained knowledge in Electrical Tools and Safety, installation of Building automation relays like Impulse Relay, Electronic and Mechanical Timers, Twilight Switch etc., The overall feedback received from the participants for this workshop was good.

CERTIFICATE OF PARTICIPATION

Life Is On

Schneider
Electric



This certificate is proudly presented to

Mr.P.Tamilarasu, Assistant Professor of Kongu Engineering College, Perundurai

Has participated in webinar on “Home and Building Installation and Industrial Installation, control and drives” on 24th to 27th June 2021, organized jointly by Kongu Engineering College, Erode & Schneider Electric India.

Associate Professor & Head, Department of EEE

General Manager, Education & Training
Schneider Electric India

CHECK LIST FOR SETTLEMENT IN OFFICE (Others)

FDP, Conference, Programmes, Nonformal Course, IIPC

S No	Particulars	YES	NO
1	Settlement Form	✓	
2	Expenses Abstract	✓	
3	Expenses Original Bills	✓	
4	Course Fee Paid Details	✓	
5	Attendance	✓	
6	Programme Detail (invitation, Certificate copy) Brochure	✓	
7	Proposals	✓	
8	If MoU Available	-	
9	IF Delay Reason Note	-	
10	Bank A/c Details (Acc. Name, Ac. No., Bank Name, Branch, IFSC Code)	✓	

(Honorarium, Coordinator Fees, Prize Money, Remuneration etc.. All are transfer only individual account)

Expenses Abstract

(Bills in order)

S. No.	Details Expenses	Bill No. & Date	Amount	Within budget exceeds
	- List Enclosed -			

28/12/21
(Pramod)

Ashla
28/12/21

**KONGU ENGINEERING COLLEGE, THOPPUPALAYAM,
PERUNDURAI, ERODE – 638 060**

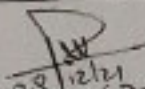
ACCOUNT SETTLEMENT FORM

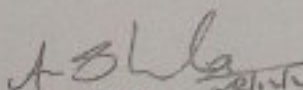
(Function / Events Conducted @ KEC)

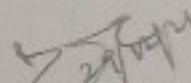
<u>Association</u>	<u>Value Added Course</u>	<u>IIPC</u> ✓	<u>Others</u> :
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DATE: 28.12.2021

Department	: Electrical and Electronics Engineering		
Name of the Function / Event	: Two day workshop on "BUILDING AUTOMATION"		
Function In-charge	: DV. R. MEENAKHUMARI , DV. A. SHEELA Mr. P. Tamilarasu		
Date of Function / Event	: 23.12.2021 to 24.12.2021		
Date of proposal	: 09.12.2021		
Amount sanctioned	: ₹. 12,000.00		
Amount Collected from Participants (if any)	Amount (A) ₹. 16,949.00	Service Tax (B) ₹. 3051.00	Total (A + B) ₹. 20,000.00
	Receipt No. & Date 597 & 23.12.2021		
Advance amount Received & Date	: ₹. - NIL -	Date: -	
Total expenses	: ₹. 12,000.00 10,169.00		
Balance amount Remitted	: ₹. -	Receipt No. -	Receipt Date -
Amount Claimed (if any)	: ₹. 12,000.00 10,169.00		
Amount to KEC / IIPC	: ₹. 8,000.00 6780.00	Percentage (%) 40 %	


28/12/21
(P. TAMILARASU)
FACULTY INCHARGE
(WITH NAME)


HOD


28/12/21
COO

For Office use only

SUPERINTENDENT

A.R.

REGISTRAR

updated
20.01.2022

KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE - 638 060
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
Two Days Workshop on "BUILDING AUTOMATION"

23.12.2021 & 24.12.2021

Date: 20.01.2022

EXPENDITURE DETAILS

S.NO	Bill No & Date	Name of the Company	Bill Amount	Remarks
1	398 & 22.12.2021	<u>Course Kit</u> M/s.Thangam Stationeries, Perundurai (File, Notepad, Pen)	Rs.2150.00	Amount Paid
2	45 & 28.12.2021	<u>Refreshment (Participants)</u> M/S.Food Court, Kongu Engineering College Campus, Perundurai	Rs.3600.00	Amount Paid
3	23.12.2021 & 24.12.2021 (2 Days)	Faculty Remuneration	Rs.4419.00	List Enclosed
		Total Amount	Rs. 10,169.00	—

Total Amount Collected from students-Participants (40 Nos x Rs.500) :Rs. 20,000.00

By CASH - (Receipt No.597 Dt 23.12.2021)

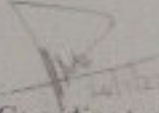
Total Amount Collected :Rs. 20,000.00

Less (18% service tax) :Rs. 3,051.00

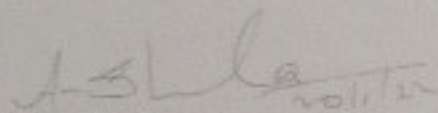
Balance amount available (Registration Fees) :Rs. 16,949.00

Expenditure incurred :Rs.10,169.00

Amount to be received from office :Rs. 10,169.00


Coordinator

[Mr.P.TAMILARASU]


Head of the Department / EEE
[Dr.A.SHEELA]



KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE-638 060
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
Two Days Workshop on "BUILDING AUTOMATION"



LIST OF PARTICIPATIONS

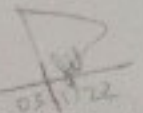
S.NO	Name	Name of the institution
1.	AKILAN B	Kongu Polytechnic College, Perundurai - 638060
2.	BHUMISVARA K	
3.	CHANTHISWAR S	
4.	DAANISH AZIM SHEIKH	
5.	DEEPAKRAJA AR	
6.	DHARANIDHARAN M	
7.	DHARUN V S	
8.	DINESH P	
9.	GOKUL KUMAR U	
10.	GOKULNATH B	
11.	GOPESH C	
12.	GOWTHAM P	
13.	GOWTHAM S	
14.	HASHWANTH P	
15.	JAYAMUGUNDHAN K S	
16.	JISHNU U	
17.	KARUNAKARAN M. P	
18.	KAVI KUMARAN R	
19.	KAVIN. T	
20.	KAVINESH S	
21.	L NAVEEN RAJ	
22.	LOGESH S S	
23.	MADHAN KUMAR.P	
24.	MOHANRAM M	
25.	NAVEENKUMAR L	
26.	PIRATHIVIRAJ R	
27.	PRASANTH.A	
28.	PREM, S	
29.	RAJESH KUMAR M	

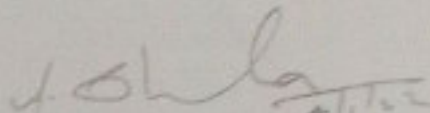
Co Ordinator

(P.TAMILARASU)

Head of the Department / EEE

S.NO	Name	Name of the Institution
30.	RAM PRASANTH J	Kongu Polytechnic College, Perundurai – 638060
31.	RANJITH T	
32.	RONALD DAVID D	
33.	S. YOOKESH	
34.	SABARI RAJA T	
35.	DIHANUSH K R	
36.	MEHANAATHAN M	
37.	LALITH KUMAR A S	
38.	NAVEEN KUMAR S	
39.	SHREENIVASAN A S	
40.	SARAN R	


 05/11/22
 Co Ordinator
 (PTAM WRW)


 Head of the Department / EEE

BILL

Cell No : 98427 14728
04294 - 223185

THANGAM STATIONERIES

No. **398** 377, Erode Road, (OPP Jothi Bhavan)
PERUNDURAI - 638 052

Date **22.12.2021**

To **The Principal, Kangu Engg College, Perundurai.**

Rate	Particulars	Qty	Amount Rs. Ps.	
30	File	43	1290	00
15	Note Pad	43	645	00
5	Pen	43	215	00
Total			2150	00

E & OE

Ruppes **Two Thousand One hundred Fifty only**

For THANGAM STATIONERIES **A. J. Kalanay**

P
28/12/21
(P. Tamikaragu)

A. J. Kalanay
28/12/21

45

FOOD COURT

Date 28.12.2021

To The Principal, Kongu Engineering College,

Qty	Particulars	Rs.	P.s.
-	<u>EEE Department</u>		
	23.12.2021 to	RS 3600	00
	24.12.2021 24hrs SW Programme		
	TOTAL	RS 3600	00

Three thousand Six
hundred only

THANK YOU



MANAGER

28/12/21
(P. Tamilarasu)

A. S. La 28/12/21

EEE Department

AL

23.12.2021 to 24.12.2021 அம்மியல் அம்மியல்

23.12.2021 பிணம்
45 tea x Rs 10.00 = Rs 450.00

45 veg. Butts x Rs 12.00 = Rs 540.00

பிணம்
45 tea x Rs 10.00 = Rs 450.00
45 Biscuits x Rs 5.00 = Rs 225.00

24.12.2021 பிணம்
45 tea x Rs 10.00 = Rs 450.00
45 vadai x Rs 7.00 = Rs 315.00

பிணம்
45 tea x Rs 10.00 = Rs 450.00
45 mushroom Butts x Rs 16.00 = Rs 720.00

அம்மியல் = Rs 3600.00

FOOD COURT
KEC Campus
PERUNDURAI

P
23/12/21
(P. Tanikrishna)

P
28/12/21

P
28/12/21



Estd 1984


KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE-638 060
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



Two Days Workshop on "BUILDING AUTOMATION"

REGISTRATION FEES COLLECTION DETAILS

S.NO	Name	Name of the Institution	Mobile Number	Registration Fees	Signature
1.	AKILAN B	Kongu Polytechnic College, Perundurai - 638060	9360348229	RS. 500/-	B.Arya
2.	BHUMISVARA K		9345050311	RS. 500/-	Bhaskar
3.	CHANTHISWAR S		8778634389	RS 500/-	S. Chantharaj
4.	DAANISH AZIM SHEIKH		8531877187	RS 500/-	D.A.
5.	DEEPAKRAJA AR		9095223393	RS. 500/-	Deepak
6.	DEVARAJ S		6369269493		
7.	DHARANIDHARAN M		9488537827 9488537817	RS. 500/-	M. Dharmaraj
8.	DHARUN V S		9361144266	R.S 500/-	D.
9.	DINESH P		7604892355	RS. 500/-	P. Dinesh
10.	GOKUL KUMAR U		9344849048	RS. 500/-	G.
11.	GOKULNATH B		9791381922	RS. 500/-	B.G.
12.	GOPESH.C		8925736709	RS. 500/-	C.G.
13.	GOWTHAM .P		9994957536	RS. 500/-	P. Gowtham


Co Ordinator
 P. TAMILARAJU


Head of the Department / EEE

S.NO	Name	Name of the Institution	Mobile Number	DD Number / Cash & Date	Signature
14.	GOWTHAM S	Kongu Polytechnic College, Perundurai – 638060	9360724353	RS: 500/-	S. CST.
15	HASHWANTH P		7373137062	RS: 500/-	P. Hanu
16.	JAYAMUGUNDHAN K S		9688888187	RS: 500/-	A. H. G. S.
17.	JISHNU U		9788091914	RS 500/-	U. Jishnu
18.	KARUNAKARAN M. P		9345714436	RS-500/-	M. P. Karunakaran
19.	KAVI KUMARAN R		9566947075	RS: 500/-	R. Kavi Kumar
20.	KAVIN. T		9940915207	RS: 500/-	T. K. A. T.
21.	KAVINESH S		9688429212	RS: 500/-	S. K. S.
22.	L NAVEEN RAJ		9344012936	RS - 500/-	L. Naveen Raj
23.	LOGESH S S		8248818935	RS - 500/-	S. S. Logesh
24.	MADHAN KUMAR.P		9788654105	RS. 500/-	P. Madhan
25.	MOHANRAM M		9688645566	RS. 500/-	M. Mohanram
26.	NAVEENKUMAR L		9025610625	RS. 500/-	L. Naveen Kumar
27.	PIRATHIVIRAJ.R		9344763033	RS. 500/-	R. P. Viraj
28.	PRASANTH.A		9566898515	500/-	P. Prasanth


 23/12/21
 Co Ordinator
 P. TAMILARASU


 Head of the Department / EEE

S.NO	Name	Name of the Institution	Mobile Number	DD Number / Cash & Date	Signature
29.	PREM. S	Kongu Polytechnic College, Perundurai - 638060	9489421199	500	S.P. Prabu
30	RAJESH KUMAR M		9360379036	500	Rajesh
31.	RAM PRASANTH J		8791847603 9791847603	500	Ram.
32	RANJITH T		9715424969	500	Ranjith
33.	RONALD DAVID D		9789308721	600/-	Ronald
34.	S. YOOKESH		9677709847	RS. 500	S. Yookesh
35.	SABARI RAJA T		9578531305	500/-	S. Sabari
36.	SANKAR M		9952648519		
37.	SUDHAKARAN S		7538873679		

38	DHANUSH K.R	6381058225	500	allu
39	MEHANAATHAN M	6382739365	500/-	Mehanaathan
40.	A. S. Lalitha Kumar	9500630542	500/-	A. S. Lalitha Kumar
41.	S. Naveen kumar	9360769779	500/-	S. Naveen kumar
42.	A. S. Shreenivasan	9095263218	500/-	A. S. Shreenivasan
43	R. SARAN	99422020688	500/-	R. Saran

Total

(40)

Paid to Parents

23/12/21
Co Ordinator
P. TAMILARasu

Head of the Department / EEE



KONGU ENGINEERING COLLEGE (AUTONOMOUS)



PERUNDURAI, ERODE - 638 060.

RECEIPT

AD-03

Roll No :

Name :

Branch :

Sem :

KONGU ENGINEERING COLLEGE - EEE
PERUNDURAI.

Date: 23/12/2021
No. : 597

S.No.

Description

Amount
Rs. Ps.

TIP-CELL ACCOUNT

01. Lab Material Test	:	0.00
02. GST	:	3051.00
03. Energy Audit	:	0.00
04. Training Course	:	16949.00
05. Consulting Service	:	0.00
06. Loan R&D	:	0.00
07. Advance Adjustment	:	0.00
08. Miscellaneous Receipt	:	0.00

TOTAL -----
: 20000.00

KONGU
Assuring the Best

0 / /

20/12/21
CASHIER

23/12/21
(P. Tamilarasu)

23/12/21

Tax Invoice

Invoice Grant in Aid A/c.
Kongu Engineering College
EC Campus
Perundurai
GSTIN/IN: 33AAAAK1117B1ZL
State Name : Tamil Nadu, Code : 33
E-Mail : kecoffice84@gmail.com
Buyer
Training - EEE
KONGU ENGINEERING COLLEGE
PERUNDUARI
State Name : Tamil Nadu, Code : 33

Invoice No. KEC / 21-22 /620	Dated 23-Dec-2021
Delivery Note	Mode/Terms of Payment
Supplier's Ref.	Other Reference(s)
Buyer's Order No.	Dated
Despatch Document No.	Delivery Note Date
Despatched through	Destination
Terms of Delivery	

SI No	Particulars	HSN/SAC	Quantity	Rate	per	Amount
1	IIP Cell - Training / Workshop Income	998346				16,949.00
2	CGST @ 9%					1,525.50
3	SGST @ 9%					1,525.50
Total						₹ 20,000.00

Amount Chargeable (in words)

E. & O.E

INR Twenty Thousand Only

HSN/SAC	Taxable Value	Central Tax		State Tax		Total Tax Amount
		Rate	Amount	Rate	Amount	
998346	16,949.00	9%	1,525.50	9%	1,525.50	3,051.00
Total			1,525.50		1,525.50	3,051.00

Tax Amount (in words) : **INR Three Thousand Fifty One Only**

Company's PAN : **AAAAK1117B**

Declaration

We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.

for IIP Cell Grant in Aid A/c.


 Authorised Signatory

This is a Computer Generated Invoice



Estd 1984


KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE-638 060
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



Two Days Workshop on "BUILDING AUTOMATION"

ATTENDANCE SHEET

S.NO	Name	Mobile Number	23.12.2021		24.12.2021		Signature
			FN	AN	FN	AN	
1.	AKILAN B	9360348229	P	P	P	P	B. Arul.
2.	BHUMISVARA K	9345050311	P	P	P	P	Bhaskar.
3.	CHANTHISWAR S	8778634389	P	P	P	P	S. Chandra.
4.	DAANISH AZIM SHEIKH	8531877187	P	P	P	P	D. Ash.
5.	DEEPAKRAJA AR	9095223393	P	P	P	P	A. R. Deepak.
6.	DHARANIDHARAN M	9488537817	P	P	P	P	M. Dhara.
7.	DHARUN V S	9361144266	P	P	P	P	D. Harun.
8.	DINESH P	7604892355	P	P	P	P	P. Dinesh.
9.	GOKUL KUMAR U	9344849048	P	P	P	P	G. Kul.
10.	GOKULNATH B	9791381922	P	P	P	P	B. Gokul.
11.	GOPESH.C	8925736709	P	P	P	P	C. Gopesh.
12.	GOWTHAM .P	9994957536	P	P	P	P	P. Gowtham.


Co Ordinator
 P. Tamikuregu



Head of the Department / EEE


S.NO	Name	Mobile Number	23.12.2021		24.12.2021		Signature
			FN	AN	FN	AN	
13.	GOWTHAM S	9360724353	P	P	P	P	S. G. S.
14.	HASHWANTH P	7373137062	P	P	P	P	P. H. S.
15.	JAYAMUGUNDHAN K S	9688888187	P	P	P	P	A. K. S.
16.	JISHNU U	9788091914	P	P	P	P	J. S.
17.	KARUNAKARAN M. P	9345714436	P	P	P	P	M. P. S.
18.	KAVI KUMARAN R	9566947075	P	P	P	P	R. K. S.
19.	KAVIN, T	9940915207	P	P	P	P	T. K. S.
20.	KAVINESH S	9688429212	P	P	P	P	S. K. S.
21.	L NAVEEN RAJ	9344012936	P	P	P	P	L. Naveen Raj
22.	LOGESH S S	8248818935	P	P	P	P	L. S.
23.	MADHAN KUMAR.P	9788654105	P	P	P	P	M. K. S.
24.	MOHANRAM M	9688645566	P	P	P	P	M. M. S.
25.	NAVEENKUMAR L	9025610625	P	P	P	P	N. S.


 24/12/21
 Co Ordinator
 P. Tamilarasu


 Head of the Department / EEE

S.NO	Name	Mobile Number	23.12.2021		24.12.2021		Signature
			FN	AN	FN	AN	
26.	PRATHIVIRAJ.R	9344763033	P	P	P	P	R.Raj.
27.	PRASANTH.A	9566898515	P	P	P	P	A. Pranth
28.	PREM. S	9489421199	P	P	P	P	S.P. Pranth
29.	RAJESH KUMAR M	9360379036	P	P	P	P	Rajesh
30.	RAM PRASANTH.J	9791847603	P	P	P	P	Ram.
31.	RANJITH T	9715424969	P	P	P	P	Ranjith
32.	RONALD DAVID D	9789308721	P	P	P	P	Ronald
33.	S. YOOKESH	9677709847	P	P	P	P	S. Yookesh
34.	SABARI RAJA T	9578531305	P	P	P	P	Sabari
35.	DHANUSH K R	6381058225	P	P	P	P	Dhanush
36.	MEHANAATHAN M	6382739365	P	P	P	P	Mehanaathan
37.	LALITH KUMAR A S	9500630542	P	P	P	P	L. Shalith Kumar
38.	NAVEEN KUMAR S	9360769779	P	P	P	P	S. Naveen Kumar
39.	SHREENIVASAN A S	9095263218	P	P	P	P	S. Naveen Kumar
40.	SARAN R	9942020688	P	P	P	P	R. Saran


 Co Ordinator
 P. Tamilarasu


 Head of the Department / EEE

KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE

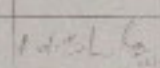
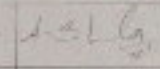
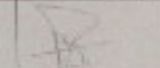
Staff Remuneration Details

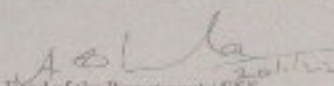
Department : ELECTRICAL AND ELECTRONICS ENGINEERING

Title of Event : Two Days Workshop on "BUILDING AUTOMATION"

Date of Event : 23.12.2021 & 24.12.2021

Staffs : Dr.R.MEENAKHUMARI, Dr.A.SHEELA & Mr.P.TAMILARASU

S.No	NAME and Designation	Teaching Hours		Practical Hours		Coordinator Fees	Total (Rs.) (A+B+C)	KVB Account No.	Signature
		No. of Days	Amount Rs. (A)	No. of Days	Amount Rs. (B)				
1	Dr.R.MEENAKHUMARI Professor / EEE	2	Rs.1000.00	2	Rs.900.00	—	Rs.1900.00	12345678901234567890	
2	Dr.A.SHEELA Associate Professor & Head / EEE	1	Rs.500.00	1	Rs.1250.00	—	Rs.1750.00	12345678901234567890	
3	Mr.P.TAMILARASU Assistant Professor (Senior Grade) / EEE	1	Rs.500.00	1	Rs.1750.00	—	Rs.1750.00	12345678901234567890	
Non Teaching Staff		No. of Days	Amount (Rs.)	—	—	—	—	—	—
Total Rs.			Rs.3250.00		Rs.3900.00		Rs.7150.00		


Head of the Department / EEE
[Dr.A.SHEELA]

KONGU ENGINEERING COLLEGE, PERUNDURAI ERODE – 638 060

(Autonomous Institution, Affiliated Anna University, Chennai)

Account Number Details

Account Details:

Name	P.TAMILARASU
Account Number	1247155000103842
Bank	Karur Vysya Bank
Branch	KEC Nagar
IFSC Code	KVBL0001247
Address	Kongu Engineering College Campus, Thoppupalayam, Perundurai - 630060
MICR Code	638053006
Branch Code	KVBL1247
Amount	Rs.5750.00


28/12/21

Staff In Charge
[P.TAMILARASU]


28/12/21

Head of the Department/EEE
[Dr.A.SHEELA]



KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE-638 060
(Autonomous Institution, Affiliated to Anna University, Chennai)
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
Two Days Workshop on "BUILDING AUTOMATION"
on 23.12.2021 to 24.12.2021



Receipt

I Dr.R.Meenakumari, Professor, Department of Electrical and Electronics Engineering, Kongu Engineering College, received a sum of INR.1000.00 as Handled the session for Two Days Workshop on "Building Automation", organized by Department of Electrical and Electronics Engineering, Kongu Engineering College on 23.12.2021 to 24.12.2021

(Signature)
f (Dr.R.MEENAKUMARI) 20.1.22

Account Details for Remuneration:

Name	R.Meenakumari
Account Number	1247177000000347
Type of Account (Savings/Current)	Savings
Bank	Karur Vysya Bank
Branch	KEC Nagar
IFSC Code	KVBL0001247
Address	Kongu Engineering College Campus, Thoppupalayam, Perundurai - 630060
MICR Code	638053006
Branch Code	KVBL1247

(Signature)
20.1.22
(P. THAMIZHARASI)

(Signature)
20.1.22



KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE-638 060
(Autonomous Institution, Affiliated to Anna University, Chennai)
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
Two Days Workshop on "BUILDING AUTOMATION"
on 23.12.2021 to 24.12.2021



Receipt

I Dr.A.Sheela, Professor, Department of Electrical and Electronics Engineering, Kongu Engineering College, received a sum of INR.1710.00 as Handled the session for Two Days Workshop on "Building Automation", organized by Department of Electrical and Electronics Engineering, Kongu Engineering College on 23.12.2021 to 24.12.2021

A. Sheela
(Dr.A.SHEELA)

Account Details for Remuneration:

Name	A. Sheela
Account Number	1247155000017741
Type of Account (Savings/Current)	Savings
Bank	Karur Vysya Bank
Branch	KEC Nagar
IFSC Code	KVBL0001247
Address	Kongu Engineering College Campus, Thoppupalayam, Perundurai - 630060
MICR Code	638053006
Branch Code	KVBL1247

P. Tamilarasu
20/12/21
P. TAMILARASU.

A. Sheela
20/12/21



KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE-638 060
(Autonomous Institution, Affiliated to Anna University, Chennai)
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
Two Days Workshop on "BUILDING AUTOMATION"
on 23.12.2021 to 24.12.2021



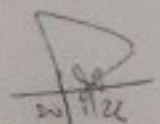
Receipt

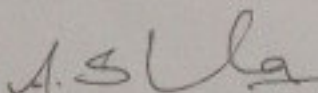
I Mr.P.Tamilarasu, Professor, Department of Electrical and Electronics Engineering, Kongu Engineering College, received a sum of INR.1709.00 as Handled the session and Co ordinator Fee for Two Days Workshop on "Building Automation", organized by Department of Electrical and Electronics Engineering, Kongu Engineering College on 23.12.2021 to 24.12.2021.


(Mr.P.TAMILARASU)

Account Details for Remuneration:

Name	P.Tamilarasu
Account Number	1247155000103842
Type of Account (Savings/Current)	Savings
Bank	Karur Vysya Bank
Branch	KEC Nagar
IFSC Code	KVBL0001247
Address	Kongu Engineering College Campus, Thoppupalayam, Perundurai - 630060
MICR Code	638053006
Branch Code	KVBL1247


(P.TAMILARASU)-


20/12/21

AD - 12 - PP
REV 1
01 01 2021

KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE-638 060

PROGRAMME APPROVAL FORM

Proposal Tracking No. KEC/SES/EEE/2021-2022/12/0060

Dept. Ref. No. EE/2021-2022/022

Date: 09/12/2021

1.	Department:	<u>Electrical and Electronics Engineering</u>		
2.	a). Name of the Programme	<u>Two Day Workshop on "Building Automation"</u>		
	b). Norms under which it is proposed	<u>IIPC</u>		
3.	Dates:	From : <u>23.12.2021</u>	TO: <u>24.12.2021</u>	No. of Days <u>02</u>
4.	Programme for:	Faculty	Students <input checked="" type="checkbox"/>	Others (Specify)
5.	Level:	State / National / International	Association	Institution / Dept. / Cell / General <input checked="" type="checkbox"/>
6.	Highlights of the Programme:	<u>To enhance the knowledge of Home Automation relays through Lectures & Practical sessions</u>		

1. Proposed Invitees:

S. No.	Purpose	Chief Guest	Speakers / Jury	Trust Member Invitees
1	<u>To deliver Guest Lecture</u>		<u>Dr. R. Meenakumari</u>	—
2			<u>Dr. A. Sheela</u> <u>Mr. P. Tamilarasu</u>	

2. Agenda: Programme Agenda / Schedule Enclosed : Yes / No

3. Expenditure:

S.No.	Purpose	Proposed	Revised	Actual	Remarks
1	<u>co-ordinator fee</u>	<u>1250</u>			
2	<u>Faculty Remuneration</u>	<u>5000</u>			<u>4 hrs 500x4 = 2000</u> <u>6 hrs 250x2x6 = 3000</u>
3	<u>Refreshment</u>	<u>3600</u>			<u>(80x45)</u>
4	<u>Kit & course material</u>	<u>2150</u>			<u>(50x43)</u>
5					
6					

Total 12,000

4. Source

Amount collected from Participants, 40 Participants, 40 x Rs. 500 = Rs. 20,000

	Proposed	Actual
Budget Allotment	<u>20,000</u>	
Balance Amt. Available		
Expenses Proposed	<u>12,000</u>	
Balance	<u>8,000</u>	

Sponsors -

KEC -

Registration (40x500)
(inclusive of Taxes)

20,000

1. Rmle 09/12/21

2. A. Sheela [Dr. A. Sheela]
Faculty i/c (with Name)

H.O.D

CCO

PRINCIPAL

3. P. Tamilarasu (P. Tamilarasu)



Schneider
Electric



KONGU ENGINEERING COLLEGE

Perundurai, Erode - 638060

SCHNEIDER CENTRE OF EXCELLENCE IN SMART
ELECTRICAL AND BUILDING AUTOMATION

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Organises

TWO DAY WORKSHOP ON

BUILDING AUTOMATION

X



23-12-2021 to 24-12-2021

Fee

Rs.500

(inclusive of all taxes)



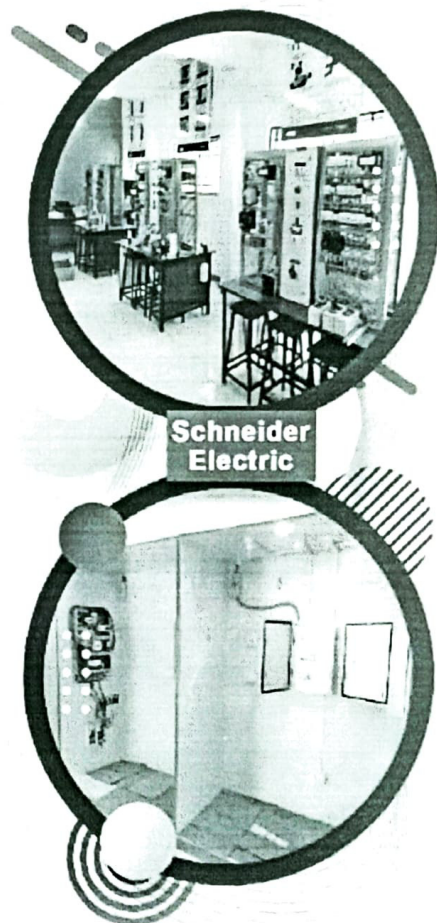
Register at

https://bit.ly/ba_schneider

For further queries contact:



98652 55912



COURSE HIGHLIGHTS

- ELECTRICAL SYMBOLS
- ELECTRICAL SAFETY
- IMPULSE RELAY
- ELECTRONIC TIMER
- TWILIGHT SWITCH
- MECHANICAL TIMER

Staff Coordinators:

Dr.R. Meenakumari

Dr. A. Sheela

Mr. P. Tamilarasu

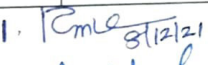


KONGU ENGINEERING COLLEGE, PERUNDURAI - 638 060

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Two Day Workshop on "BUILDING AUTOMATION"

Session Schedule

S.No	Date	Timings	Title
1	23.12.2021	09:00 AM - 09:30 AM	Registration
2		09:30 AM - 10:30 AM	Electrical Symbols and Safety Precautions
3		10:30 AM - 10:45 AM	Tea Break
4		10:45 AM - 11:45 AM	Wiring of Impulse Relay
5		11:45 AM - 12:45 PM	Hands on Training on Impulse Relay
6		12:45 PM - 02:00 PM	Lunch Break
7		02:00 PM - 03:00 PM	Wiring of Electronic Timer
8		03:00 PM - 03:15 PM	Tea Break
9		03:15 PM - 04:15 PM	Hands on Training on Electronic Timer
10	24.12.2021	09:30 AM - 10:30 AM	Wiring of Twilight Switch
11		10:30 AM - 10:45 AM	Tea Break
12		10:45 AM - 11:45 AM	Hands on Training on Twilight Switch
13		11:45 AM - 12:45 PM	Wiring of Mechanical Timer
14		12:45 PM - 02:00 PM	Lunch Break
15		02:00 PM - 03:00 PM	Hands on Training on Mechanical Timer
16		03:00 PM - 03:15 PM	Tea Break
17		03:15 PM - 04:15 PM	Wiring and Hands on Training on Motion Sensor
18		04:15 PM - 04:30 PM	Feedback and Valedictory

1.  (DR. R. MENAKUMARI)
8/12/21
2.  (DR. A. SHEELA)
8/12/21
3.  (P. TAMILARASU)
8/12/21
Co Ordinator


HoD / EEE 8/12/21



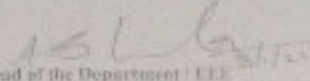
KONGU ENGINEERING COLLEGE, PERUNDURAI - 638 060
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING
Two Day Workshop on "BUILDING AUTOMATION"

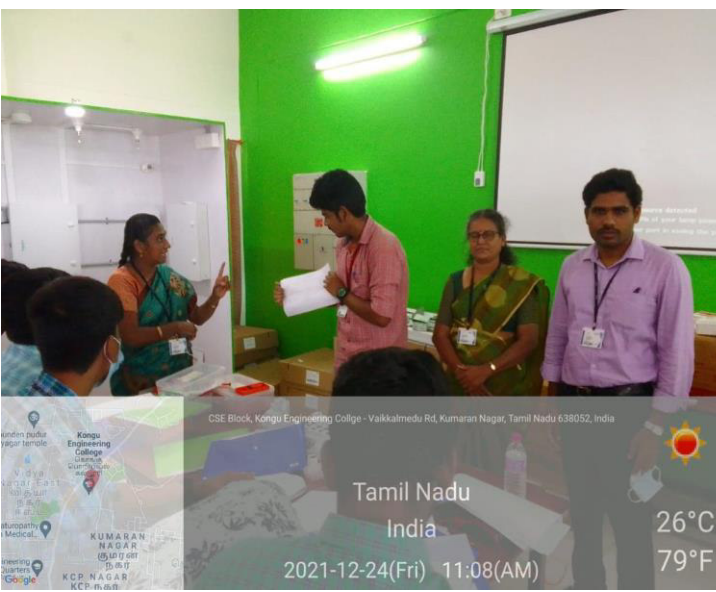


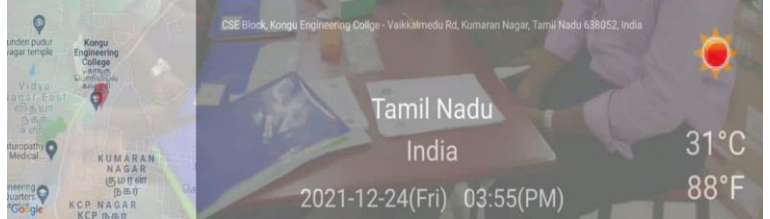
Session Schedule

S.No	Date	Timings	Title	Mode of Class		Faculty Name
1	22.12.2021	09:00 AM - 09:30 AM	Registration	---	---	---
2		09:30 AM - 10:10 AM	Electrical Symbols and Safety Precautions	Theory	---	Dr.R.Meenakumari
3		10:30 AM - 10:45 AM	Tea Break	---	---	---
4		10:45 AM - 11:15 AM	Wiring of Impulse Relay	Theory	---	Dr.A.Sheela
5		12:45 AM - 12:45 PM	Hands on Training on Impulse Relay	---	Practical	Dr.R.Meenakumari & Dr.A.Sheela
6		12:45 PM - 02:00 PM	Lunch Break	---	---	---
7		02:00 PM - 03:00 PM	Wiring of Electronic Timer	Theory	---	Mr.P.Tamilarasu
8		03:00 PM - 03:15 PM	Tea Break	---	---	---
9		03:15 PM - 04:15 PM	Hands on Training on Electronic Timer	---	Practical	Dr.A.Sheela & Mr.P.Tamilarasu
10	24.12.2021	09:30 AM - 10:30 AM	Wiring of Twilight Switch	Theory	---	Dr.R.Meenakumari
11		10:30 AM - 10:45 AM	Tea Break	---	---	---
12		10:45 AM - 11:45 AM	Hands on Training of Twilight Switch	---	Practical	Dr.A.Sheela & Mr.P.Tamilarasu
13		11:45 AM - 12:45 PM	Wiring of Mechanical Timer	---	Practical	Dr.A.Sheela & Mr.P.Tamilarasu
14		12:45 PM - 02:00 PM	Lunch Break	---	---	---
15		02:00 PM - 03:00 PM	Hands on Training on Mechanical Timer	---	Practical	Dr.A.Sheela & Mr.P.Tamilarasu
16		03:00 PM - 03:15 PM	Tea Break	---	---	---
17		03:15 PM - 04:15 PM	Wiring and Hands on Training on Motion Sensor	---	Practical	Dr.R.Meenakumari & Mr.P.Tamilarasu
18		04:15 PM - 04:30 PM	Certificates and Valedictory	---	---	---


Co-Ordinator
(Tamilarasu P.)


Head of the Department / EEE





KONGU ENGINEERING COLLEGE, PERUNDURAI – 638 060
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
TWO DAY WORKSHOP
On
BUILDING AUTOMATION

Program Report

A Two day Workshop on “Building Automation” was conducted on 23.12.2021 & 24.12.2021 exclusively for Polytechnic students of Kongu Polytechnic College, Perundurai. The participants gained knowledge in Electrical Tools and Safety, installation of Building automation relays like Impulse Relay, Electronic and Mechanical Timers, Twilight Switch etc., The overall feedback received from the participants for this workshop was good.

**KONGU ENGINEERING COLLEGE, THOPPUPALAYAM,
PERUNDURAI, ERODE – 638 060**

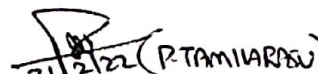
ACCOUNT SETTLEMENT FORM

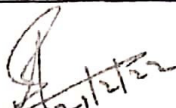
(Function / Events Conducted @ KEC)


<u>Association</u>	<u>Value Added Course</u>	<u>IIPC</u> ✓	<u>Others :</u>
--------------------	---------------------------	---------------	-----------------

DATE : 21.02.2022

Department	: Electrical and Electronics Engineering		
Name of the Function / Event	: Skill development Program on " ELECTRICAL TRAINING "		
Function In-charge	: DR. A. SHEELA DR. R. MEEVA KUMARI MR. P. TAMILARASU		
Date of Function / Event	: 04.01.2022 to 10.01.2022		
Date of proposal	: 28.12.2021		
Amount sanctioned	: ₹. 55,440.00		
Amount Collected from Participants (if any)	Amount (A) ₹. 83,796.00	Service Tax (B) ₹. 15,084.00	Total (A + B) ₹. 98,880.00
	Receipt No. & Date	KEC/21-22/746 & 15.02.2022	
Advance amount Received & Date	: ₹. —	Date:	—
Total expenses	: ₹. 50,270.00		
Balance amount Remitted	: ₹.	Receipt No.	Receipt Date
Amount Claimed (if any)	: ₹. 50,270.00		
Amount to KEC / IIPC	: ₹. 33526.00	Percentage (%) 40	


21/2/22 (P. TAMILARASU)
FACULTY INCHARGE
(WITH NAME)


21/2/22
HOD


21/2/22
CO-OP. CEO

For Office use only

SUPERINTENDENT

A.R.

REGISTRAR

04.01.2022 & 10.01.2022

Date: 21.02.2022

EXPENDITURE DETAILS

S.NO	Bill No & Date	Name of the Company	Bill Amount	Remarks
1	42 & 04.01.2022	<u>Course Kit</u> Food Court, Kongu Engineering College Campus, Perundurai (File, Notepad, Pen)	Rs.950.00	Amount Paid
2	582 & 04.01.2022	<u>Refreshment (Participants)</u> Kongu Fruit Stall & Tea & Snacks, Kongu Engineering College Campus, Near Dheeran Hostel, Perundurai	Rs.420.00	Amount Paid
	41 & 05.01.2022	Food Court, Kongu Engineering College Campus, Perundurai	Rs.736.00	Amount Paid
	576 & 11.01.2022	Kongu Fruit Stall & Tea & Snacks, Kongu Engineering College Campus, Near Dheeran Hostel, Perundurai	Rs.3404.00	Amount Paid
3	05.01.2022 & 10.01.2022 (6 Days)	Faculty & Non Teaching Staff Remuneration	Rs.9750.00	List Enclosed
4	---	Co-ordinator Fee	Rs.810.00	
5	05.01.2022 & 10.01.2022 (6 Days)	Boarding & Accommodation	Rs.34,200.00	
		Total Amount	Rs.50,270.00	---

Amount Collected from ASDC & RAMCO Cements

By Cheque No: 044663 Date: 29.12.2021 (Receipt No.621 Dated.07.01.2022) : Rs.39,154.00+Rs.54,164.00
By Cheque No: 44858 Date: 29.01.2022 (Receipt No.668 Dated.01.02.2022) = Rs.93,318.00

Expenditure incurred : Rs.50, 270.00

Amount to be received from office : Rs.50, 270.00


Coordinator
[Mr.P.TAMILARASU]


Head of the Department / EEE
[Dr.A.SHEELA]

KONGU ENGINEERING COLLEGE
IIP CELL
Training Approval

Dept Ref NO : KEC/EEE/IIPC/2021-2022/48

Date : 07-05-2022

1. **Department : EEE**
2. **Programme for : Students**
3. **Date: From: 04/01/2022 To: 10/01/2022 No.of Days: 7**
4. **Name of the Programme : Skill Development program on "Electrical Training"**
5. **Highlights :**

To provide Hands on Training to tamilnadu Apex skill Development centre (TNASDC) trainees

6. **Name of the Faculty : Dr.A.Sheela Dr.R.Meenakumari MR.P.Tamilarasu**
7. **Revenue Details:**

S.No	Participant type	Proposed No.of participants	Actual No.of participants	Registration Amount in Rs	Target Revenue in Rs.	ActualRevenue in Rs.
1	Students	19		4410	83790	
	Total	19			83790	
	GST				15082.2	
	Gross_Revenue				98872.2	

8. **Expenses:**

S.No	Purpose	Proposed	Revised	Actual	Remarks
1	Coordinator Fee	810			
2	Printing and Postal	0			
3	Kit	950			
4	Certificate	0			
5	Honorarium	0			
6	Lunch and Refreshment	38760			
7	Remuneration	9750			
8	Miscellaneous	0			
	Total	50270			

Tax Invoice

IIP Cell Grant in Aid A/c. Kongu Engineering College KEC Campus Perundurai GSTIN/UIN : 33AAAAK1117B1ZL State Name : Tamil Nadu, Code : 33 Contact : 04294-226555, 04294-226666 Fax : 04294-220087 E-Mail : kecoffice84@gmail.com Buyer The Ramco Cements Limited RCL, Sendurai Road Govindapuram Ariyalur GSTIN/UIN : 33AABCM8375L2Z2 State Name : Tamil Nadu, Code : 33	Invoice No. KEC / 21-22 /746 Delivery Note Supplier's Ref. Buyer's Order No. Despatch Document No. Despatched through Terms of Delivery	Dated 15-Feb-2022 Mode/Terms of Payment Other Reference(s) Dated Delivery Note Date Destination
---	---	--

SI No.	Particulars	HSN/SAC	Quantity	Rate	per	Amount
1	IIP Cell - Training / Workshop Income	998346				83,796.00
2	CGST @ 9%					7,542.00
3	SGST @ 9%					7,542.00
Total						₹ 98,880.00

Amount Chargeable (in words)

E. & O.E

INR Ninety Eight Thousand Eight Hundred Eighty Only

HSN/SAC	Taxable Value	Central Tax		State Tax		Total Tax Amount
		Rate	Amount	Rate	Amount	
998346	83,796.00	9%	7,542.00	9%	7,542.00	15,084.00
Total	83,796.00		7,542.00		7,542.00	15,084.00

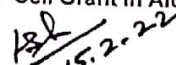
Tax Amount (in words) : **INR Fifteen Thousand Eighty Four Only**

Company's PAN : AAAAK1117B


Declaration

We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.

for IIP Cell Grant in Aid A/c.


 15.2.22
 Authorised Signatory

This is a Computer Generated Invoice


 21/2/22
 (P. TAMILARASU)


 21/2/22



KONGU ENGINEERING COLLEGE, PERUNDURAI - 638 060
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING
Skill Development Program on "ELECTRICAL TRAINING"




Session Schedule

S.No	Date	Timings	Title	Mode of Class		Faculty Name
1	05.01.2022	09:00 AM - 10:00 AM	Identification of Various Conduits	---	Practical	Dr.A.Sheela
2		10:00 AM - 11:00 AM	Identification of Various Electrical Accessories	---	Practical	Dr.R.Meenakumari
3		11:00 AM - 11:15 AM	Tea Break	---	---	---
4		11:15 AM - 12:15 PM	Identification of Tools	---	Practical	Mr.P.Tamilarasu
5		12:15 AM - 01:15 PM	Usage of Tools	---	Practical	Dr.A.Sheela
6		01:15 PM - 02:00 PM	Lunch Break	---	---	---
7		02:00 PM - 03:00 PM	Wiring Circuit of Impulse Relay	---	Practical	Dr.R.Meenakumari
8		03:00 PM - 03:15 PM	Tea Break	---	---	---
9		03:15 PM - 04:15 PM	Assembly & Implementation of Impulse Relay	---	Practical	Dr.A.Sheela
10		04:15 PM - 05:15 PM	Wiring Circuit of Argus / Motion Sensor	---	Practical	Dr.A.Sheela
11	06.01.2022	09:00 AM - 10:00 AM	Wiring Circuit of Electronic Timer	---	Practical	Dr.R.Meenakumari
12		10:00 AM - 11:00 AM	Assembly & Implementation of Electronic Timer	---	Practical	Dr.R.Meenakumari
13		11:00 AM - 11:15 AM	Tea Break	---	---	---
14		11:15 AM - 12:15 PM	Wiring Circuit of Mechanical Timer	---	Practical	Mr.P.Tamilarasu
15		12:15 AM - 01:15 PM	Assembly & Implementation of Mechanical Timer	---	Practical	Mr.P.Tamilarasu
16		01:15 PM - 02:00 PM	Lunch Break	---	---	---
17		02:00 PM - 03:00 PM	Wiring Circuit of Twilight Switch	---	Practical	Dr.A.Sheela
18		03:00 PM - 03:15 PM	Tea Break	---	---	---


 4/1/22
 Co Ordinator
 (P.TAMILARASU)


 Head of the Department / EEE

S.No	Date	Timings	Title	Mode of Class		Faculty Name
19	06.01.2022	03:15 PM – 04:15 PM	Assembly & Implementation of Twilight Switch	--	Practical	Dr.A.Sheela
20		04:15 PM – 05:15 PM	Assembly & Implementation of Electronic Timer & Mechanical Timer		Practical	Dr.R.Meenakumari
21	07.01.2022	09:00 AM - 10:00 AM	Assembly & Implementation of Argus / Motion Sensor	---	Practical	Mr.P.Tamilarasu
22		10:00 AM - 11:00 AM	DB for House wiring	---	Practical	Dr.R.Meenakumari
23		11:00 AM – 11:15 AM	Tea Break	---	---	---
24		11:15 AM – 12:15 PM	Visit to Power House (Main Power House)	---	Practical	Mr.P.Tamilarasu
25		12:15 AM – 01:15 PM	Visit to Power House (MBA Block Power House)	---	Practical	Dr.P.S.Raghavendran
26		01:15 PM – 02:00 PM	Lunch Break	---	---	---
27		02:00 PM – 03:00 PM	Wiring of DOL Starter	---	Practical	Mr.P.Tamilarasu
28		03:00 PM – 03:15 PM	Tea Break	---	---	---
29		03:15 PM – 04:15 PM	Wiring of DOL Starter	---	Practical	Mr.P.Tamilarasu
30		04:15 PM – 05:15 PM	Assembly & Implementation of DOL Starter	---	Practical	Mr.P.Tamilarasu
31	08.01.2022	09:00 AM - 10:00 AM	Fan Rewinding	---	Practical	Dr.P.S.Raghavendran
32		10:00 AM - 11:00 AM	Fan Rewinding	---	Practical	Dr.P.S.Raghavendran
33		11:00 AM – 11:15 AM	Tea Break	---	---	---
34		11:15 AM – 12:15 PM	Earth Resistance Measurement	---	Practical	Dr.T.Logeswaran
35		12:15 AM – 01:15 PM	Earth Resistance Measurement	---	Practical	Dr.R.Meenakumari
36		01:15 PM – 02:00 PM	Lunch Break	---	---	---
37		02:00 PM – 03:00 PM	Usage of Multimeter	---	Practical	Dr.T.Logeswaran
38		03:00 PM – 03:15 PM	Tea Break	---	---	---
39		03:15 PM – 04:15 PM	Usage of Megger	---	Practical	Dr.T.Logeswaran
40		04:15 PM – 05:15 PM	Usage of Clampmeter		Practical	Dr.A.Sheela


 Co Ordinator
 (P.TAMILARASU)


 Head of the Department / EEE

S.No	Date	Timings	Title	Mode of Class		Faculty Name
41	09.01.2022	04.00 PM – 05.00 PM	Solar Panel Measurement	---	Practical	Dr.S.Albert Alexander
42		05.00 PM – 06.00 PM	Battery Testing	---	Practical	Mr.M.Sabarimuthu
43	10 08.01.2022	08.30 AM - 09:30 AM	Solar PV Installation	---	Practical	Dr.S.Albert Alexander
44		09.30 AM - 10:30 AM	Measurement of PV Parameters	---	Practical	Dr.S.Albert Alexander
45		10:30 AM – 10:45 AM	Tea Break	---	---	---
46		10:45 AM – 11:45 PM	Battery Charging & Testing	---	Practical	Mr.M.Sabarimuthu
47		11:45 AM – 12:45 PM	Visit to lab & Explanation of the facilities	---	Practical	Mr.P.Gowrishankar
48		12:45 PM – 02:00 PM	Lunch Break	---	---	---
49		02:00 PM – 03:00 PM	Visit to lab & Explanation of the facilities	---	Practical	Mr.P.Gowrishankar
50		03:00 PM – 03:15 PM	Tea Break	---	---	---
51		03:15 PM – 03:45 PM	Feedback	---	---	---


 4/1/22
 Co Ordinator
 (PTAMU/RSU)


 Head of the Department / EEE



Estd 1984

KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE-638 060
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



Skill Development Program on

"ELECTRICAL TRAINING"

ATTENDANCE SHEET

S.NO	Name	05.01.2022		06.01.2022		07.01.2022		08.01.2022		09.01.2022		10.01.2022	
		FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
1.	Palanivel T	T.Pal	T.Pal	T.Pal	T.Pal	T.Pal	T.Pal	T.Pal	T.Pal	T.Pal	T.Pal	T.Pal	T.Pal
2.	Aravindh K	K. Arav	K. Arav	K. Arav	K. Arav	K. Arav	K. Arav	K. Arav	K. Arav	K. Arav	K. Arav	K. Arav	K. Arav
3.	Sudhakar N	N. Sudh	N. Sudh	N. Sudh	N. Sudh	N. Sudh	N. Sudh	N. Sudh	N. Sudh	N. Sudh	N. Sudh	N. Sudh	N. Sudh
4.	Raja M	M. Raja	M. Raja	M. Raja	M. Raja	M. Raja	M. Raja	M. Raja	M. Raja	M. Raja	M. Raja	M. Raja	M. Raja
5.	Anbarasan M	M. Anbar	M. Anbar	M. Anbar	M. Anbar	M. Anbar	M. Anbar	M. Anbar	M. Anbar	M. Anbar	M. Anbar	M. Anbar	M. Anbar
6.	Devendran V	V. Dev	V. Dev	V. Dev	V. Dev	V. Dev	V. Dev	V. Dev	V. Dev	V. Dev	V. Dev	V. Dev	V. Dev
7.	Vijay K	K. Vijay	K. Vijay	K. Vijay	K. Vijay	K. Vijay	K. Vijay	K. Vijay	K. Vijay	K. Vijay	K. Vijay	K. Vijay	K. Vijay
8.	Sakthivel S	S. Sakthi	S. Sakthi	S. Sakthi	S. Sakthi	S. Sakthi	S. Sakthi	S. Sakthi	S. Sakthi	S. Sakthi	S. Sakthi	S. Sakthi	S. Sakthi

1. Pm 10/1/22 (Dr R Meenakumari)
2. A. S. L. 10/1/22 (D.V. A. SHEELA)
3. P. 10/1/22 (P. RAMIAH)

Co Ordinator

A. S. L. 10/1/22
Head of the Department / EEE

S.NO	Name	05.01.2022		06.01.2022		07.01.2022		08.01.2022		09.01.2022		10.01.2022	
		FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
9.	Surya S	SAP	SAP	SAP	SAP	SAP	SAP	SAP	SAP	SAP	SAP	SAP	SAP
10.	Karthikeyan R	RB	RB	RB	RB	RB	RB	RB	RB	RB	RB	RB	RB
11.	Nallathambi T	TNP	TNP	TNP	TNP	TNP	TNP	TNP	TNP	TNP	TNP	TNP	TNP
12.	Dharmarasan R	DRG	DRG	DRG	DRG	DRG	DRG	DRG	DRG	DRG	DRG	DRG	DRG
13.	Ranjith Kumar N	Ruth	Ruth	Ruth	Ruth	Ruth	Ruth	Ruth	Ruth	Ruth	Ruth	Ruth	Ruth
14.	Dinesh P	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP
15.	Kumaresan M	Kum	Kum	Kum	Kum	Kum	Kum	Kum	Kum	Kum	Kum	Kum	Kum
16.	Rajadurai R	R.Raj	R.Raj	R.Raj	R.Raj	R.Raj	R.Raj	R.Raj	R.Raj	R.Raj	R.Raj	R.Raj	R.Raj
17.	Suresh T	Shu	Shu	Shu	Shu	Shu	Shu	Shu	Shu	Shu	Shu	Shu	Shu
18.	Joseph J	JJ	JJ	JJ	JJ	JJ	JJ	JJ	JJ	JJ	JJ	JJ	JJ
19.	Emmanuvel Chandru A	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC

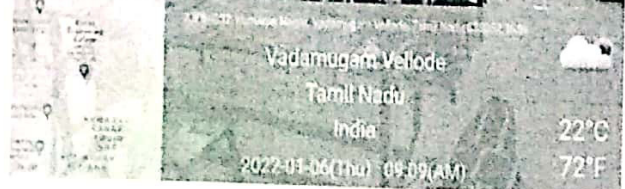
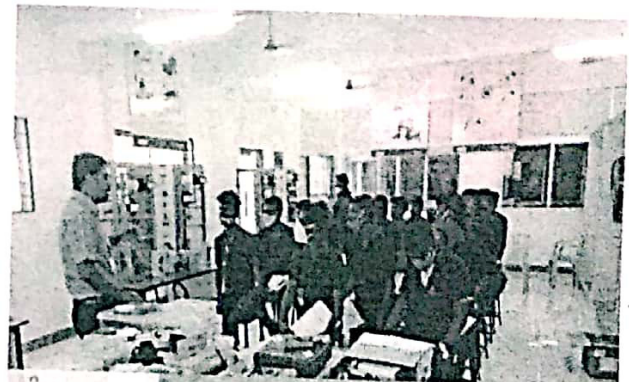
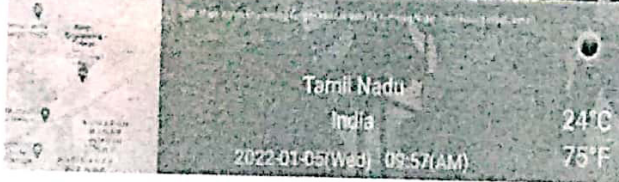
1. Pm 10/1/22 (Dr. Meenakumari)

2. A.S.L. (Dr. A. SHEELA)

3. Co Ordinator
(P.TAMILARASU)

A.S.L. (Dr. A. SHEELA)
Head of the Department / EEE

KONGU ENGINEERING COLLEGE (AUTONOMOUS), PERUNDURAI – 638 060
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING
Skill Development Program on “ELECTRICAL TRAINING” on 04.01.2022 to 10.01.2022



15457 / 12459 / 12

17

Above
₹. 20,000/-

KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE-638 060

PROGRAMME APPROVAL FORM

AD - 12 - PC
REV.1
01.04.2021

Proposal Tracking No. KEC / EER / 2021-2022 / 12 / 0066.

Dept. Ref. No.: EE / 2021 - 2022 / 006

Date: 28.12.2021

1.	Department:	Electrical & Electronics Engineering			
2.	a). Name of the Programme	Skill Development Program on "Electrical Training"			
	b). Norms under which it is proposed	IIPC			
3.	Dates:	From :	4.1.2022	TO:	11.1.22
		No. of Days	8		
4.	Programme for:	Faculty	0	Students	2
		Others (Specify) 10 th Pass out trainees			
5.	Level:	State / National / International	Association	Institution / Dept. / Cell / General	
6.	Highlights of the Programme:	To Provide Hands on Training to Tamil Nadu Apex Skill Development Centre (TNASDC) Trainees			

1. Proposed Invitees:

S. No.	Purpose	Chief Guest	Speakers / Jury	Trust Member Invitees
1	TO Handle Theory		Faculty from	
2	& Practical Sessions		EEE department	

2. Agenda: Programme Agenda / Schedule Enclosed : Yes / No

3. Expenditure:

S.No.	Purpose	Proposed	Revised	Actual	Remarks
1	Co-ordinator fees	810			
2	Faculty & Non-teaching Remuneration	10,050			$(250 \times 35) + (150 \times 6) + 400 = 10,050$
3	Refreshment	5880			$20 \times 2 \times 7 \times 21 = 5880$
4	KIT & course material	900			$50 \times 18 = 900$
5	Boarding & Accommodation	37800			$300 \times 18 \times 7 = 37,800$
6					
Total		55,440.00			

4. Source Invoice raised by KEC to TNASDC is 1,02,671.18
10% TDS deducted by TNASDC and
amount paid to KEC is 92,404.62

	Proposed	Actual
Budget Allotment	92,404.62	Sponsors -
Balance Amt. Available		KEC -
Expenses Proposed		Registration -
Balance		

1. A. Shela (Dr. A. SHEELA)
2. P. M. L. (Dr. R. MEENAKUMARI)
Faculty i/c (with Name) H.O.D. CCO
3. P. TAMILARASU (P. TAMILARASU)

PRINCIPAL
30.12.21

CORRESPONDENT



KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE-638 060
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



Skill Development Program on

"ELECTRICAL TRAINING"

LIST OF PARTICIPATIONS

S.NO	Name	Name of the Institution	Mobile Number	E-mail id	Signature
1.	PALANIVEL . T	10 th	84 8962 2843	Palanivel1995@gmail.com	T. Palanivel
2.	ARAVINDH . K	BA (HISTORY)	9597 553831	aravindhavaravindh1611@gmail.com	K. Aravindh
3.	NSUDHAKAR	ITJ	9788249856	-	N. Sudhakar
4.	RAJA . M	ITI	9585496108	rajaman105996@gmail.com	M. Raja
5.	ANBARASAN . M	ITI	6369188977	anbukumar933@gmail.com	M. Anbarasan
6.	DEVENDRAN . V	BE(ECE)	7502347991	devendran150196@gmail.com	V. Devendran
7.	VIJAY . K	Diplomo (Mechanical)	9524406748	vijaydara3555@gmail.com	K. Vijay
8.	SAKTHIVEL . S	BSC	9629285327	sakthivelgpm241098@gmail.com	S. Sakthivel
9.	SURYA . S	Diplomo (Mechanical)	8270008685	suryagpm37@gmail.com	S. Surya
10.	KARTHIKEYAN . R	12 th	8940034938	-	R. Karthikeyan

1. A. S. L. a. 7/1/22

2. P. M. S. 07/01/22

Co Ordinator

3. P. TAMILARASU 5/01/22

A. S. L. a. 7/1/22
Head of the Department / EEE

S.NO	Name	Name of the Institution	Mobile Number	E-mail id	Signature
11.	NALATHAMBI. T	Diplomo (Mechanical)	9080477927	nallathambi1926@gmail.com	T. Nalla
12.	DHARMARASAN. R	Diplomo (Mechanical)	9597344812	dharmarasan98@gmail.com	R. Dharma
13.	RANJITH KUMAR. N	12 th	6379858745	ranjithkumar00224999@gmail.com	N. Ranjith
14.	DINESH. P	ITI	9655336345	dinesh2108@gmail.com	P. Dinesh
15.	KUMARASAN. M	11 th	8637654261	msettu8637659pm@gmail.com	M. Kumarasan
16.	RAJADURAJ. R	Diplomo (Mechanical)	9790181905	rajaduraj6302@gmail.com	R. Rajaduraj
17.	Suresh. T	ITI	8754296965	t.suresh.kts@gmail.com	T. Suresh
18.	J. JOSEPH	EEE	9443189560	Joseph J. N. @gmail.com	J. Joseph
19.	A. Emmanuel Chander	B.Tech. EEE	802840546	emmanuel.1978@gmail.com	A. Emmanuel

1. A. S. L. A. 7/1/22

2. P. M. G. 7/1/22

Co Ordinator

3. P. (P. TAMILARASU) 5/10/22

A. S. L. A. 7/1/22
Head of the Department / EEE



Estd 1984

KONGU ENGINEERING COLLEGE, PERUNDURAI-638 060
DEPARTMENT OF ELECTRICAL AND ELECTRONICS
ENGINEERING



TAMILNADU APEX SKILL DEVELOPMENT CENTRE
(TNASDC), RAMCO CEMENTS AND KONGU
ENGINEERING COLLEGE

Organises
Skill Development Program on
“ELECTRICAL TRAINING”

DATE: 05.01.2022

VENUE: Schneider Smart Electric Lab (AB 021)

Co Ordinators:

Dr.A.SHEELA ME., PhD
ASSOCIATE PROFESSOR AND HEAD

Dr.R.MEENAKUMARI ME., PhD
PROFESSOR

Mr. P.TAMILARASU ME.,
ASSISTANT PROFESSOR (Sr.G)
DEPARTMENT OF EEE

We cordially invite you all for the inauguration



KONGU ENGINEERING COLLEGE, PERUNDURAI – 638 060
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
SEVEN DAYS TRAINING PROGRAM
On
ELECTRICAL TRAINING

Program Report

A Seven days Training Program on “Electrical Training” was conducted from 04.01.2022 to 10.01.2022 exclusively for skilled students from RAMCO Cements with Tamil Nadu Apex Skill Development Training Centre (TNASDC). The participants gained knowledge in Electrical Tools and Safety, installation of Building automation relays like Impulse Relay, Electronic and Mechanical Timers, Twilight Switch, Wiring, Assembly and Implementation of DOL Starter, Fan Rewinding, Earth Resistance Testing, Usage of Multimeter, Megger, Clamp Meter, Battery Testing, Solar PV Measurement etc., The overall feedback received from the participants for this training program was good.

KONGU ENGINEERING COLLEGE, PERUNDURAI-638 060
(AUTONOMOUS)
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Ref: KEC/EER/21-22/48

Date: 25.04.2022

Sub: Requisition for permission to settle bill with Increase in registration fee -Reg.

The Department of **Electrical and Electronics Engineering and KEC - IEEE** have organized one day workshop on "Fundamentals of MATLAB for Engineering Applications" on 22.04.2022. As per the approval(dated 20/04/2022), the registration amount proposed was Rs.6800 for 34 IEEE members. But the registration count is increased to 36 and as well as most of the members registered were under non-IEEE category. So, the total amount increased to Rs.8800 [$\text{Rs.250} \times 32 = 8000$ (non IEEE participants) & $\text{Rs.200} \times 4 = 800$ (IEEE participants)]. This increase in registration count of external participants has increased the proposed budget for certificate.


The approximate variation in Budget involved would be as follows,

S. No	Purpose	Proposed Approval (Rs.)	Actual Proposed (Rs.)
1.	Certificate	408.00	432.00
2.	Registration Fees	6800.00 (IEEE - 34 * Rs.200)	8800.00 (IEEE - 4 * Rs.200, NON IEEE - 32 * Rs.250)

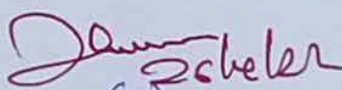
Kindly consider the above changes in approval and permit us to settle the bill for the event with above updated budget norms through IEEE account

Submitted for Approval.


Faculty Incharge


(IEEE Branch counselor)


HOD/EEE 25/4/22


EEO(A)

CHECK LIST FOR SETTLEMENT IN OFFICE (Others)
FDP, Conference, Programmes, Nonformal Course, IIPC

S. No.	Particulars	YES	NO
1	Settlement Form	✓	
2	Expenses Abstract	✓	
3	Expenses Original Bills	✓	
4	Course Fee Paid Details	✓	
5	Attendance	✓	
6	Programme Detail (invitation, Certificate copy)	✓	
7	Proposals	✓	
8	If MoU Available		✓
9	IF Delay Reason Note		✓
10	Bank A/c Details (Acc. Name, Ac. No., Bank Name, Branch, IFSC Code)	✓	

(Honorarium, Coordinator Fees, Prize Money, Remuneration etc. All are transfer only individual account)

Expenses Abstract

(Bills in order)

S. No.	Details Expenses	Bill No. & Date	Amount	Within budget exceeds

Enclosed

**KONGU ENGINEERING COLLEGE, THOPPUPALAYAM,
PERUNDURAI, ERODE – 638 060**

ACCOUNT SETTLEMENT FORM

(Function / Events Conducted @ KEC)

<u>Association</u>	<u>Value Added Course</u>	<u>IIPC</u>	<u>Others :</u>
--------------------	---------------------------	-------------	-----------------

DATE: 25/4/22

Department	: Electrical & Electronics Engineering		
Name of the Function / Event	: IEEE - SELF SUPPORTING WORKSHOP on "Fundamentals of MATLAB FOR ENGINEERING Applications"		
Function In-charge	: DY. A. SHEELA DY. V. SURENDAR DY. K. PRITHVI		
Date of Function / Event	: 22/4/22		
Date of proposal	: 20/4/22		
Amount sanctioned	: ₹. 6788/-		
Amount Collected from Participants (if any)	Amount (A) ₹. 8800	Service Tax (B) ₹. -	Total (A + B) ₹. -
	Receipt No. & Date		
Advance amount Received & Date	: ₹. -	Date: -	
Total expenses	: ₹. 4842/-		
Balance amount Remitted	: ₹. -	Receipt No. -	Receipt Date -
Amount Claimed (if any)	: ₹. 4842/-		
Amount to KEC / IIPC	: ₹. 3958	Percentage (%) 45	

D. A. S. L. 25/4/22

D. A. S. L. 25/4/22

9) V. S. 25/4
FACULTY INCHARGE
(WITH NAME)

D. A. S. L. 25/4/22
HOD
[IEEE Branch Counselor]

J. S. 26/4/22
CCO(SA)

For Office use only

SUPERINTENDENT

A.R.

REGISTRAR

KONGU ENGINEERING COLLEGE, PERUNDURAI
DEPARTMENT ELECTRICAL AND ELECTRONICS ENGINEERING

IEEE - Self supporting workshop on
"FUNDAMENTALS OF MATLAB FOR ENGINEERING APPLICATIONS"

22.04.2022

ACCOUNT SETTLEMENT DETAILS

Date: 25.04.22


S.No	Details of the Expenditure	Bill No & Date	Bill Amount (Rs)	TO BE PAID TO
1	Faculty Remuneration	List Enclosed	3000.00	List Enclosed
2	Refreshment Expenses	34 & 22.04.2022	680.00	Dr.V.Surendar Assistant Professor (Sr.G) Department of EEE KEC
3	Lunch Expenses	List Enclosed	540.00	To be Paid to Ponnar & Sankarn Hostel
4	Certificates	1110 & 21.04.2022	432.00	Dr.V.Surendar Assistant Professor (Sr.G)
5	Miscellaneous	35 & 22.04.2022	190.00	Department of EEE KEC
TOTAL			4842.00	

Amount collection:

Amount collected from Participations

(Rs 250*32 non IEEE members & Rs 200*4 IEEE members) = Rs. 8800.00

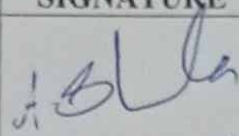
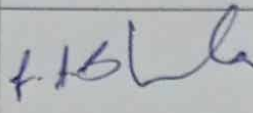
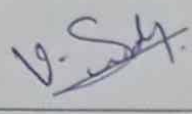

CO-ORDINATOR

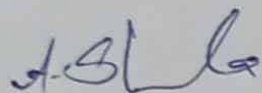

IEEE Student Branch Counsellor

KONGU ENGINEERING COLLEGE, PERUNDURAI
DEPARTMENT ELECTRICAL AND ELECTRONICS ENGINEERING

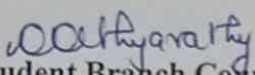
IEEE Associate Self supporting workshop on
FUNDAMENTALS OF MATLAB FOR ENGINEERING APPLICATIONS

REMUNERATION DETAILS

SL. NO	NAME OF THE TEACHING FACULTY	TOTAL (Rs)	SIGNATURE
1.	Dr.A.Sheela Associate Professor & Head of the Department Department Electrical and electronics Engineering	1000	
2.	Dr.K.Prithivi Assistant Professor (Sr.G) Department Electrical and Electronics Engineering	1000	
3.	Dr.V.Surendar Assistant Professor (Sr.G) Department Electrical and Electronics Engineering	1000	
Total		3000	




CO-ORDINATOR


IEEE Student Branch Counsellor

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EE

One hundred Ninety only
THANK YOU VISIT AGAIN  MANAGER

A-S-L-H

Six hundred Eighty Rupees only
THANK YOU VISIT AGAIN
A. G. H. L. e
MANAGER

Kongu Engineering College

Perundurai - 638 060

22.04.2022

"IEEE ASSOCIATED SELF SUPPORTING WORKSHOP "

Refreshment Charges

Guest No : 23

Ponnar & Sankar Hostel

Lunch 12 Nos X Rs.45.00

Rs. 540.00

Total

Rs. 540.00

(Rupees Five Hundred Forty Only)

*Staffing
25/4/2022*
Manager

[Signature]
Associate Warden
25/4

Letter No. 1299
(13)

20/04/2022
Perundurai

From

Dr. V. Surendar, ✓ - 99522 64648.
Assistant Professor (Sr. G)
Department of Electrical and Electronics Engineering,
Kongu Engineering College,
Perundurai-638 060.

To

The Principal,
Kongu Engineering College,
Perundurai-638 060.

Respected sir,

Sub: Requesting to provide lunch for the participants for IEEE associated self supporting workshop reg.

The Department of Electrical and Electronics Engineering in association with IEEE is planning to organize one day workshop on "Fundamentals of Matlab for Engineering Applications". Students from other institutions will be participating in the proposed workshop. In this connection, I request you to grant permission for providing lunch to those participants in our hostel on chargeable basis.

No of student participants

(34) + 2
= 36

1.30 PM - 2.55

22/04/22

Thanking you.

Yours faithfully,

V. Surendar
(Dr. V. Surendar)

Forwarded to The Principal

A. S. L. Ka
20/4/22

Principal
(2/2)

To The manager
arrange it in
Ponnam Hostel.
21/4.



SRI MURUGAN XEROX

521, Perundurai Road, Palayapalayam,
Erode -11. Cell : 85087 92972

No. **1110**

Date **21/4/22**

To. **The Principal K.E.C**

S.No.	Particulars	No.of Copies	Amount	
			Rs.	Ps.
①	Work Shop Cam (12x36)	36	432	-
Total			432	-

For SRI MURUGAN XEROX

Thankyou visit again

DR

A.S.La



KONGU ENGINEERING COLLEGE

(AUTONOMOUS)



PERUNDURAI, ERODE - 638 060.

Roll No :

Name :

Branch :

Sem :

ACCNO-770-IEEE WORKSHOP1-REGISTRATION FEES172
FUNDAMENTALS MATLAB (32*250=8000) (No.200=800)

RECEIPT

AD-03

Date : 22/04/2022

S.No.	Description	Amount	
		Rs.	Ps.
01.	Exam Remuneration	0.00	
02.	CHARGES	0.00	
03.	Staff Security Deposit	0.00	
04.	Miscellaneous Receipt	8800.00	
05.	Guest House Receipt	0.00	
06.	ID card charges	0.00	
07.	Library Fine	0.00	
08.	LAB Dues	0.00	
09.	Student Loan Account	0.00	
10.	Recovery	0.00	
11.	Service Tax	0.00	
12.	Student fee Part Payment	0.00	
13.	Photo Copy Charges	0.00	
14.	Student Amenity Centre	0.00	
15.	Advance Adjustment	0.00	
16.	Advance Tax	0.00	
TOTAL		8800.00	

KONGU
Assuring the Best

Handwritten signature

Handwritten signature
CASHIER

KONGU ENGINEERING COLLEGE, PERUNDURAI – 638 060
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

IEEE self supporting Workshop on
“Fundamentals of MATLAB for Engineering Applications”
On 22.04.2022

Attendance sheet

S.NO	NAME	COLLEGE NAME	FN	AN
1.	PAVISHNIKA.B	NANDHA ENGINEERING COLLEGE	Pav.B	Pav.B
2.	N.JANANI	NANDHA ENGINEERING COLLEGE AUTONOMOUS.	N.Janani	N.Janani
3.	BARATH P	KONGU ENGINEERING COLLEGE	P.Barath	P.Barath
4.	DHANUSHKAR S J	SNS COLLEGE OF TECHNOLOGY	S.J	S.J
5.	THENATHAYALAN P	SNS COLLEGE OF TECHNOLOGY	P.Than	P.Than
6.	SANJITH KAVIN S K	SNS COLLEGE OF TECHNOLOGY	S.K.S.K	S.K.S.K
7.	HARIBALAN S	MAHENDRA ENGINEERING COLLGE	S.Har	S.Har
8.	AAKASH K	MEHANDRA ENGINEERING COLLAGE	A.Akash	A.Akash
9.	JAYABALAN P	MAHENDRA ENGINEERING COLLEGE	P.Jay	P.Jay
10.	KANCHANA.K	DHIRAJLAL GANDHI COLLEGE OF TECHNOLOGY	K.Kanchana	K.Kanchana
11.	K.AJITH	DHIRAJLAL GANDHI COLLEGE OF TECHNOLOGY	A.Ajith	A.Ajith
12.	M.MADHU SOWNDHARYA	DHIRAJLAL GANDHI COLLEGE OF TECHNOLOGY,SALEM.	M.Madhu	M.Madhu

A.B.La

KONGU ENGINEERING COLLEGE, PERUNDURAI – 638 060
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

IEEE self supporting Workshop on
“Fundamentals of MATLAB for Engineering Applications”
On 22.04.2022

Attendance sheet - Online

S.NO	NAME	COLLEGE NAME
1.	SIVAPRADEEP K	BANNARI AMMAN INSTITUTE OF TECHNOLOGY
2.	DHANUSH.S	BANNARI AMMAN INSTITUTE OF TECHNOLOGY
3.	SANJEEVKUMAR V S	BANNARI AMMAN INSTITUTE OF TECHNOLOGY
4.	PRIYANGA PASUMPON	BANNARI AMMAN INSTITUTE OF TECHNOLOGY
5.	SHAKTHI R	BANNARI AMMAN INSTITUTE OF TECHNOLOGY
6.	MADHUMITHA M	BANNARI AMMAN INSTITUTE OF TECHNOLOGY
7.	LAKSHMIPRIYA R	KONGUNADU COLLEGE OF ENGINEERING AND TECHNOLOGY
8.	R.SOWMYA	KONGUNADU COLLEGE OF ENGINEERING AND TECHNOLOGY
9.	ANEESH K	KONGUNADU COLLEGE OF ENGINEERING AND TECHNOLOGY
10.	LAVANYA	KONGUNADU COLLEGE OF ENGINEERING AND TECHNOLOGY
11.	N. SANTHIYA	KONGUNADU COLLEGE OF ENGINEERING AND TECHNOLOGY
12.	PRIYA. J	KONGUNADU COLLEGE OF ENGINEERING AND TECHNOLOGY
13.	RAMITHA D	KONGUNADU COLLEGE OF ENGINEERING AND TECHNOLOGY
14.	POORNIMA.M	NANDHA ENGINEERING COLLEGE-ERODE
15.	RAHUL	KONGUNADU COLLEGE OF ENGINEER AND TECHNOLOGY
16.	SRIVARSHA P A	KONGUNADU COLLEGE OF ENGINEERING AND TECHNOLOGY
17.	R.BAVANI	KONGUNADU COLLEGE OF ENGINEERING AND TECHNOLOGY
18.	BARATH KUMAR K	KNOWLEDGE INSTITUTE OF TECHNOLOGY
19.	S L VIJAYASARASWATHY	DR. NGP INSTITUTE OF TECHNOLOGY
20.	NIVETHA A	DR. NGP INSTITUTE OF TECHNOLOGY
21.	D.SANDHIYA DEVI	DR. NGP INSTITUTE OF TECHNOLOGY
22.	HARIHARAN S	BANNARI AMMAN INSTITUTE OF TECHNOLOGY
23.	ELAKIYA G	PAAVAI ENGINEERING COLLEGE
24.	BALA MANI KANDAN.R	SARANATHAN COLLEGE OF ENGINEERING

ASLla



KONGU ENGINEERING COLLEGE

(Autonomous)

Perundurai, Erode - 638060

IEEE Student Branch - 29741



Transform Yourself

CERTIFICATE OF APPRECIATION

THIS IS TO CERTIFY THAT

of _____ has participated in the
workshop "**Fundamentals of MATLAB in Engineering Applications**"
organized by Power and Energy Society (PES),
IEEE Student branch - STA29741,
Kongu Engineering College held on 22-04-2022.

FACULTY COORDINATOR BRANCH COUNSELOR PRINCIPAL



Letter No: 1299

UP TO
₹. 20,000/-

KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE-638 060

AD - 12 - PP
REV. 1
01.01.2021

PROGRAMME APPROVAL FORM

Proposal Tracking No. _____

Dept. Ref. No. : IEEE / 31827741 / 21-22 / 38

Date: 20/4/22

1.	Department:			
2.	a). Name of the Programme	IEEE - Self supporting seminar workshop on "Fundamentals of Matlab for Engineering Applications"		
	b). Norms under which it is proposed	IEEE		
3.	Dates	From: 22/4/22	TO: -	No. of Days 1
4.	Programme for:	Faculty	Students <input checked="" type="checkbox"/>	Others (Specify)
5.	Level:	State / National / International	Association	Institution / Dept. / Cell / General
6.	Highlights of the Programme:	To expose knowledge on the fundamentals of Matlab		

1. Proposed invitees:

S. No.	Purpose	Chief Guest	Speakers / Jury	Trust Member Invitees
1	To handle sessions	Faculty from KEC		
2				

2. Agenda: Programme Agenda / Schedule Enclosed: Yes / No

3. Expenditure:

S.No.	Purpose	Proposed	Revised	Actual	Remarks
1	Remuneration	3000			6 x 500
2	Refreshment	1200			(34 x 20 x 2)
3	Lunch	1700			34 x 50
4	Certificate	408			34 x 12
5	Miscellaneous	200			
6					
Total		6708/-			

4. Source Registration fee collected from the participants: 200 x 34 = 6800 ✓

	Proposed	Actual
Budget Allotment	6200	Sponsors -
Balance Amt. Available	6800	KEC -
Expenses Proposed		Registration 200 x 34 = 6800/-
Balance		

(1) A. B. La (DIN. SHEELA)

(2) V. S. La (DIN. SHEELA)
Faculty In-charge (with Name)

A. B. La
H.O.D

Dr. J. La
CGO

PRINCIPAL
(1/2)

Withyemathy (or) N. S. La
IEEE Branch counselor

KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE-638 060
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

IEEE -Self supporting workshop on
FUNDAMENTALS OF MATLAB FOR ENGINEERING APPLICATIONS
Session Schedule

Date/Day	Time	Programme	
22.04.2022 Friday	9.00 am to 11.00 am	Basics of MATLAB- Programming and simulation	Dr.A.Sheela Associate Professor/EEE
	11.00 am to 11.15 am	Tea Break	
	11.15am to 12.15 pm	Implementation of basic law's and theorems in MATLAB	Dr.K.Prithivi Asst.Prof.(Sr.G)/EEE
	12.15pm to 01.15 pm	MATLAB simulations of various converters	Dr.V.Surendar Asst.Prof.(Sr.G)/EEE
	01.15 pm to 02.15 pm	Lunch Break	
	02.15 pm to 03.15 pm	Simulation Solar PV in MATLAB	Dr.V.Surendar Asst.Prof.(Sr.G)/EEE
	03.15 pm to 03.30 pm	Tea Break	
	03.30 pm to 04.30 pm	Programmable voltage sources and switches	Dr.K.Prithivi Asst.Prof.(Sr.G)/EEE

Dr. V. Surendar
20/4/22
Co-ordinator
(Dr. V. Surendar)
Dr. K. Prithivi

A. Sheela
HoD/EEE 20/4/22

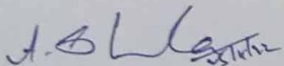
by
20.4.22

KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE-638052
ELECTRICAL AND ELECTRONICS ENGINEERING ASSOCIATION

BILL SETTLEMENT FOR
IEEE Associate Self supporting workshop on
FUNDAMENTALS OF MATLAB FOR ENGINEERING APPLICATIONS

Date: 25/04/2022

S.NO	MODE	Company Name	Ch.No	Ch Date	Name of the Bank	A/c.No.	IFSC Code	Branch	Amount
1.	--	A.SHEELA	--	--	KVB	1247155000017741	KVBL0001247	KEC NAGAR	1000.00
2.	--	K.PRITHIVI	--	--	KVB	1247155000086662	KVBL0001247	KEC NAGAR	1000.00
3.	--	V SURENDAR	--	--	KVB	1247155000077410	KVBL0001247	KEC NAGAR	2302.00
								TOTAL	4302.00

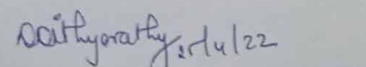

FACULTY ADVISOR

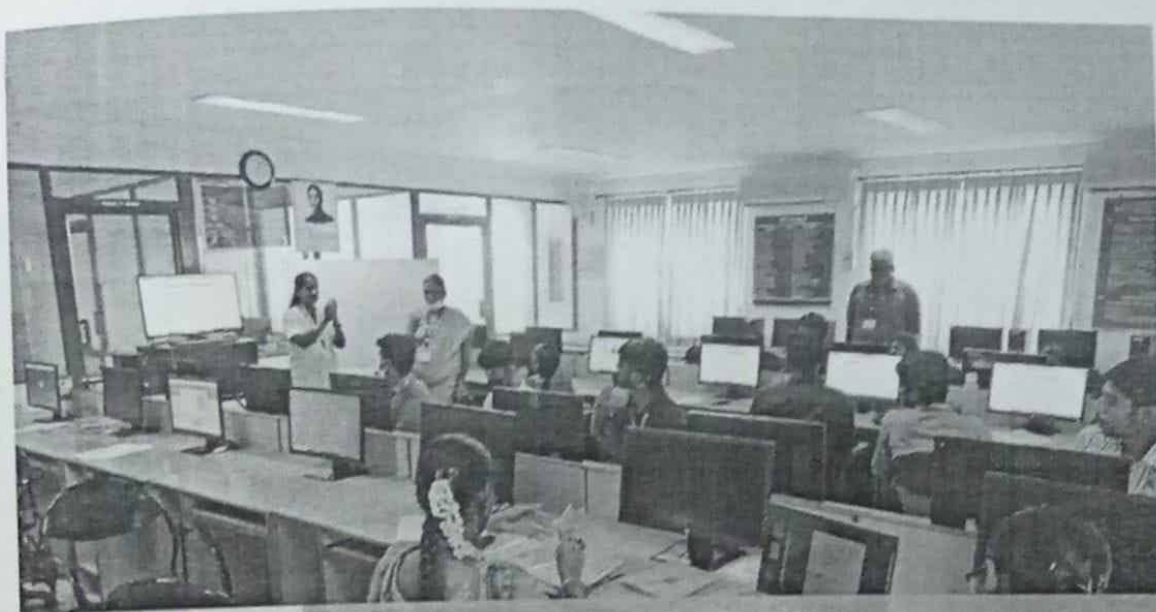

HOD/EEE

REGISTRAR

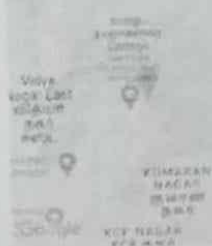
CORRESPONDENT

TREASURER


(IEEE Branch counselor)

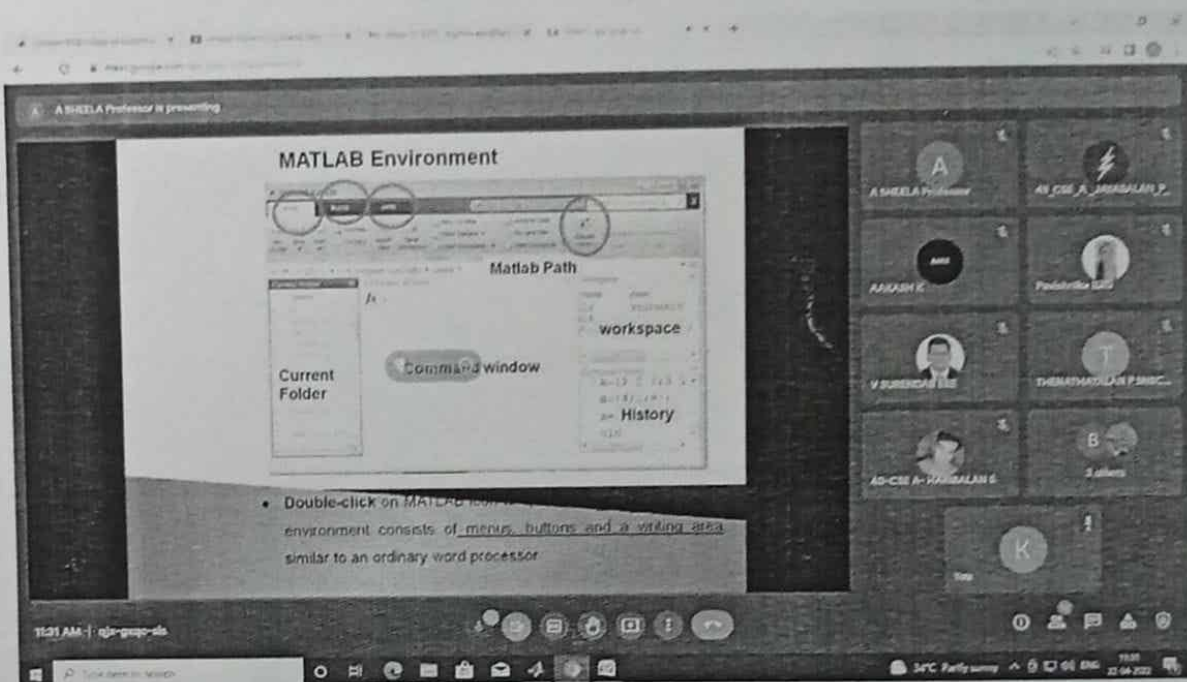


7JF5+P5W, Kumaran Nagar, Vadamugam Yellope, Tamil Nadu 635052, India



	Decimal	DMS
Latitude	11.274406	11°16'27" N
Longitude	77.607878	77°36'28" E

2022-04-22 12:31(pm)



A. S. Lila

KONGU ENGINEERING COLLEGE, PERUNDURAI – 638 060
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ONE DAY WORKSHOP
on
FUNDAMENTALS OF MATLAB FOR ENGINEERING APPLICATIONS
Program Report

A one day workshop on “Fundamentals of MATLAB for Engineering Applications” was conducted on 22.04.2022 in association with IEEE Student Chapter. The program was organized in blended mode both online and offline. The participants were mainly second year engineering students of various domains who gained knowledge in the basics of MATLAB and its application in image processing, data acquisition, simulink toolboxes etc., The overall feedback received from the participants for this workshop was good.

KONGU ENGINEERING COLLEGE, PERUNDURAI-638 060
(AUTONOMOUS)
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Ref: KEC/EER/21-22/51

Date: 24.05.2022

NOTE


Sub: Explanation for deviation in the proposal raised for conducting workshop & permission for setting the bill – reg.

We have organised One Day Workshop on” **BUILDING AUTOMATION**” on **19.05.2022**. The proposal was raised for 39 participants to conduct the course on **16.05.2022**. But, the number of participants increased to 40. Hence, the income as well as the expenditure deviates from the proposed amount.

ITEM	PROPOSED	ACTUAL	DEVIATION IN AMOUNT
Income Amount collected from the students	39 * Rs.300 = Rs.11,700.00	40 * Rs.300 = Rs.12,000.00	Rs.300.00
Expenses Course kit	39*Rs.50 = Rs.1950.00	40*Rs.50 = Rs.2000.00	Rs.50.00
Expenses Refreshment	Rs.1320.00	Rs.1288.00	Rs.32.00

Hence, the total proposed amount of Rs.5949 exceeds to Rs.5967. Increase in Rs.18.00 in the total amount may be kindly be considered. Permission may be granted to settle the bill in this regard.

Submitted to the Principal for approval


 24/5/22
 Course Coordinator
 [Mr.P.Tamilarasu]


 24/5/22
 HOD/EEE

**KONGU ENGINEERING COLLEGE, THOPPUPALAYAM,
PERUNDURAI, ERODE – 638 060**

ACCOUNT SETTLEMENT FORM


(Function / Events Conducted @ KEC)



<u>Association</u>	<u>Value Added Course</u>	<u>IIPC</u> ✓	<u>Others</u> :
--------------------	---------------------------	---------------	-----------------

DATE : 24.05.2022

Department	: Electrical & Electronics Engineering		
Name of the Function / Event	: one day workshop on "BUILDING AUTOMATION"		
Function In-charge	: DR. A. SHEELA DR. R. MEENAKUMARI MR. P. TAMILARASU		
Date of Function / Event	: 19.05.2022		
Date of proposal	: 16.05.2022		
Amount sanctioned	: ₹. 5949.00		
Amount Collected from Participants (if any)	Amount (A)	Service Tax (B)	Total (A + B)
	₹. 10,169.00	₹. 1831.00	₹. 12,000.00
	Receipt No. & Date	1738 19.05.2022	
Advance amount Received & Date	: ₹. —	Date:	—
Total expenses	: ₹. 5967.00		
Balance amount Remitted	: ₹.	Receipt No.	Receipt Date
Amount Claimed (if any)	: ₹. 5967.00		
Amount to KEC / IIPC	: ₹. 4202.00	Percentage (%) 41.32 %	


24/5/22 (P. TAMILARASU)
FACULTY INCHARGE
(WITH NAME)


HOD


CCO

For Office use only

SUPERINTENDENT

A.R.

REGISTRAR

KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE – 638 060
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
One Day Workshop on “BUILDING AUTOMATION”

19.05.2022

Date: 24.05.2022

EXPENDITURE DETAILS

S.NO	Bill No & Date	Name of the Company	Bill Amount	Remarks
1	42 & 17.05.2022	<u>Course Kit</u> M/S.Food Court, Kongu Engineering College Campus, Perundurai (File, Notepad, Pen)	Rs.2000.00	Amount Paid
2	50 & 19.05.2022	<u>Refreshment (Participants)</u> M/S.Food Court, Kongu Engineering College Campus, Perundurai	Rs.1288.00	Amount Paid
3	5 & 19.05.2022	<u>Certificate</u> M/s.Rajaganapathy Press, Erode	Rs.504.00	Amount Paid
4	52 & 18.05.2022	<u>Miscellaneous</u> M/S.Food Court, Kongu Engineering College Campus, Perundurai (Marker Pen, Punching Machine)	Rs.175.00	Amount Paid
5	19.05.2022 (One Day)	Faculty Remuneration	Rs.2000.00	List Enclosed
		Total Amount	Rs. 5,967.00	---

Total Amount Collected from students-Participants (40 Nos x Rs.300) : Rs.12, 000.00

By CASH - (Receipt No.173 Dt.19.05.2022)

Total Amount Collected : Rs.12, 000.00


Less (18% service tax) : Rs. 1,831.00

Balance amount available (Registration Fees) : Rs.10, 169.00

Expenditure incurred : Rs. 5,967.00

Amount to be received from office : Rs. 5,967.00


Coordinator
[Mr.P.TAMILARASU]


Head of the Department / EEE
[Dr.A.SHEELA]

Tax Invoice

IIP Cell Grant in Aid A/c.
Kongu Engineering College
KEC Campus
Perundurai
GSTIN/UIN: 33AAAK1117B1ZL
State Name : Tamil Nadu, Code : 33
E-Mail : kecoffice84@gmail.com

Buyer
Training - EEE

State Name : Tamil Nadu, Code : 33

Invoice No.

KEC/22-23/175

Dated

19-May-2022

Delivery Note

Mode/Terms of Payment

Supplier's Ref.

Other Reference(s)

Buyer's Order No.

Dated

Despatch Document No.

Delivery Note Date

Despatched through

Destination

Terms of Delivery

SI No.	Particulars	HSN/SAC	Quantity	Rate	per	Amount
1	IIP Cell - Training / Workshop Income	998346				10,169.00
2	SGST @ 9%					915.50
3	CGST @ 9%					915.50
Total						₹ 12,000.00

Amount Chargeable (in words)

INR Twelve Thousand Only

E. & O.E

HSN/SAC	Taxable Value	Central Tax		State Tax		Total Tax Amount
		Rate	Amount	Rate	Amount	
998346	10,169.00	9%	915.50	9%	915.50	1,831.00
Total	10,169.00		915.50		915.50	1,831.00

Tax Amount (in words) : **INR One Thousand Eight Hundred Thirty One Only**

Company's PAN : **AAAK1117B**

Declaration

We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.

for IIP Cell Grant in Aid A/c.

19.5.22
 Authorised Signatory

This is a Computer Generated Invoice



Estd 1984

KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE-638 060
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
One Day Workshop on "BUILDING AUTOMATION"
ATTENDANCE SHEET



19.05.2022

S.NO	Name of the Participant	Fore Noon	After Noon
1.	PARTHIBAN A M	A.M. Parthiban	P.M. Parthiban
2.	TAMIL ARASAN.M	M. Taff	M. Taff
3.	DINAHER M	M. D. ?	M. D. ?
4.	BAVANITHAN A	A. Bavanithan	A. Bavanithan
5.	VARATHARAJ. R	R. Varatharaj	R. Varatharaj
6.	NISANTH C	C. Nisanth	C. Nisanth
7.	SRIDHAR M	M. Sridhar.	M. Sridhar.
8.	MANOJ G	G. Manoj	G. Manoj
9.	TAMILARASU P	P. TAMILARASU	P. TAMILARASU
10.	KARTHIC A M	A. M. Karthi	A. M. Karthi
11.	NADIN BA	B. Nadin	B. Nadin
12.	GOWTHAM. S	S. Gowtham	S. Gowtham
13.	KARTHICK N S	S. Karthick	S. Karthick
14.	DHIVYABHARATH.K	K. Dhivyabharath	K. Dhivyabharath
15.	SANGAMESHWARAN T	T. Sangameshwaran	T. Sangameshwaran
16.	SRI PAVITHRAN.S	S. Sri Pavithran	S. Sri Pavithran
17.	PRIYADHARSHINI .K	K. Priyadharshini	K. Priyadharshini
18.	BALASUBRAMANIAM S R	R. Balasubramaniam	R. Balasubramaniam

19.	KARTHIK RAJ.S.V	S.V. K	S.V. K
20.	BHOOSHITHA.J	J.B.	J.B.
21.	AY.SANJAY	A.Y. Sanjay	A.Y. Sanjay
22.	KAVINKUMAR S	S.K.	S.K.
23.	ARAVINTH GURUP	P. Aravind	P. Aravind
24.	M.SONIYA GANDHI	M. Soniya Gandhi	M. Soniya Gandhi
25.	PRADEEPA S	P.D.	P.D.
26.	PRANESH.R	P. Praneeth	P. Praneeth
27.	KARTHIKEYAN M	M. Karthikeyan	M. Karthikeyan
28.	DEVASUDHARSANA.M	D.M.	D.M.
29.	VIGNESH O M	O.M.	O.M.
30.	KAMESH T	T. Kamesh	T. Kamesh
31.	MAHESWARI. K	K. Maheshwari	K. Maheshwari
32.	NAGENDHARAN L	L. Nagendharan	L. Nagendharan
33.	KERTHICK V.C	V.C. Kertthick	V.C. Kertthick
34.	G PUGALENTHI	G. Pugalethi	G. Pugalethi
35.	S RADHAMANI	S. Radhamani	S. Radhamani
36.	JEEVANANDHAM S	S. Jeevanandham	S. Jeevanandham
37.	GOWSIK S	S. Gowshik	S. Gowshik
38.	JANARTHANAN. P. S	P.S. Janarthanan	P.S. Janarthanan
39.	R S KRISHNAMURTHY	R.S. Krishnamurthy	R.S. Krishnamurthy
40.	THARUN.S	S. Tharun	S. Tharun

14/5/22
(P. TAMILIARASU)

A.S.L. Kar



KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE-638 060
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



One Day Workshop on "BUILDING AUTOMATION"

REGISTRATION

Registration Fees collected
 from Participants: Rs.300
 19.05.2022

S.NO	Name	Name of the Institution	Mobile Number	Signature
1.	PARTHIBAN A M	Sakthi polytechnic College	9443360570	A.M. Parthiban
2.	TAMIL ARASAN.M	Sakthi polytechnic College	9965158711	M. Arasan
3.	DINAHER M	Sakthi polytechnic College	8825647689	M. Dinaher
4.	BAVANITHAN A	Sakthi polytechnic College	6385300675	A. Bavanithan
5.	VARATHARAJ. R	Sakthi polytechnic College	9790393278	R. Varatharaj
6.	NISANTH C	Sakthi polytechnic College	8667245497	C. Nisanth
7.	SRIDHAR M	Sakthi polytechnic College	9025347092	M. Sridhar
8.	MANOJ G	Sakthi polytechnic College	9952571716	G. Manoj
9.	TAMILARASU P	Sakthi polytechnic College	9788505564	P. Tamilarasu
10.	KARTHIC A M	Sakthi polytechnic College	8946066992	A. Karthi
11.	NADIN BA	Sakthi polytechnic College	6383005910	B. Nadin
12.	GOWTHAM. S	Sakthi polytechnic College	8778636548	S. Gowtham
13.	KARTHICK N S	Sakthi polytechnic College	8248648961	N. Karthick
14.	DHIVYABHARATH.K	Sakthi polytechnic College	6383511850	K. Dhivyabharath
15.	SANGAMESHWARAN T	Sakthi polytechnic College	6381294436	T. Sangameshwaran
16.	SRI PAVITHRAN.S	Sakthi polytechnic College	6383109807	S. Sri Pavithran
17.	PRIYADHARSHINI .K	Sakthi polytechnic College	9677918200	K. Priyadharshini

18.	BALASUBRAMANIAM S R	Sakthi polytechnic College	7397125579	S.R.
19.	KARTHIK RAJ.S.V	Sakthi polytechnic College	7639441851	S.V.
20.	BHOOSHITHA.J	Sakthi polytechnic College	6388218813	Bhooshitha J.
21.	AY.SANJAY	Sakthi polytechnic College	8344972993	A.Y. Sanjay
22.	KAVINKUMAR S	Sakthi polytechnic College	9360444546	K. V.
23.	ARAVINTH GURU P	Sakthi polytechnic College	9487379757	A. Aravindh
24.	M.SONIYA GANDHI	Sakthi polytechnic College	7806876040	M. Soniya Gandhi
25.	PRADEEPA S	Sakthi polytechnic College	9384925586	P. Pradeepa
26.	PRANESH.R	Sakthi polytechnic College	7904803621	P. Pranesh
27.	KARTHIKEYAN M	Sakthi polytechnic College	9629515243	M. Karthikeyan
28.	DEVASUDHARSANA.M	Sakthi polytechnic College	9677700647	M. Deva
29.	VIGNESH O M	Sakthi polytechnic College	7708411477	O. M. Vignesh
30.	KAMESH T	Sakthi polytechnic College	7904296964	T. Kamesh
31.	MAHESWARI . K	Sakthi polytechnic College	9344724137	K. Maheswari
32.	NAGENDHARAN L	Sakthi polytechnic College	9360628478	L. Nagendharan
33.	KERTHICK V.C	Sakthi polytechnic College	9677584228	V. C. Kertthick
34.	G PUGALENTHI	Sakthi polytechnic College	6383106107	P. Pugalenti
35.	S RADHAMANI	Sakthi polytechnic College	9944695890	S. Radhamani
36.	JEEVANANDHAM S	Sakthi polytechnic College	7339154911	S. Jeevanandham
37.	GOWSIK S	Sakthi polytechnic College	8248029700	S. Gowshik
38.	JANARTHANAN. P. S	Sakthi polytechnic College	9345413260	P. S. Janarthanan
39.	R S KRISHNAMURTHY	Sakthi polytechnic College	9994476761	R. S. Krishnamurthy
40.	HARIKUMAARAN R	Sakthi polytechnic College	7040818188	R. Hari Kumar

10 THARUN S

Sakthi polytechnic college

9025055650

Tharun S

19/5/22 (P.TAMILARASU)

A. B. L. g. 10/10/22

KONGU ENGINEERING COLLEGE, PERUNDURAI - 638 060
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

OneDay Workshop on "BUILDING AUTOMATION"

19.05.2022

Session Schedule

S.No	Date	Timings	Title
1	23.12.2021	09:15 AM - 09:30 AM	Registration
2		09:30 AM - 10:30 AM	Electrical Symbols and Safety Precautions
3		10:30 AM - 10:45 AM	Tea Break
4		10:45 AM - 11:45 AM	Different Wiring Tools & Wiring of Impulse Relay & Other Relays
5		11:45 AM - 12:45 PM	Hands on Training on Impulse Relay & Electronic Timer
6		12:45 PM - 02:00 PM	Lunch Break
7		02:00 PM - 03:00 PM	Hands on Training on Mechanical Timer
8		03:00 PM - 03:15 PM	Tea Break
9		03:15 PM - 04:15 PM	Hands on Training on Twilight Switch & Motion Sensor
10		04:15 PM - 04:30 PM	Feedback and Valedictory


18/5/22
Co Ordinator
(P. TAMILARASU)


18/5/22
HoD / EEE

Life Is On



**KONGU ENGINEERING COLLEGE
PERUNDURAI, ERODE - 638060**


**DEPARTMENT OF
ELECTRICAL AND ELECTRONICS ENGINEERING**

**SCHNEIDER CENTRE OF EXCELLENCE - SMART
ELECTRICAL LABORATORY**

This is to Certify that _____ of Sakthi Polytechnic College
has attended One day Workshop on “**BUILDING AUTOMATION**” on 19.05.2022,
jointly organized by Kongu Engineering College, Erode and Schneider Electric
India.

Course Co-Ordinator

HOD/EEE



General Manager, Education
and Training, Schneider
Electric India

10238/5

Letter ID:- 2325

KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE-638 060

PROGRAMME APPROVAL FORM

AD - 12 - PP
REV 1
01.01.2021UP TO
20,000/-

Proposal Tracking No. KEC/EE/2022-2023/05/0006.

Dept. Ref. No.: EE/2022-2023/002

Date: 16.05.2022

1.	Department:	Electrical and Electronics Engineering		
2.	a). Name of the Programme	ONE DAY WORKSHOP ON "BUILDING AUTOMATION"		
	b). Norms under which it is proposed	IIPC		
3.	Dates:	From : 19.05.2022	TO: -	No. of Days 01
4.	Programme for:	Faculty	Students	Others (Specify)
5.	Level:	State / National / International	Association	Institution / Dept. / Cell / General
6.	Highlights of the Programme:	To enhance the knowledge of Home Automation relays through Lectures & Practical sessions		

1. Proposed Invitees:

S. No.	Purpose	Chief Guest	Speakers / Jury	Trust Member Invitees
1	To deliver Guest Lecture		DR. A. SHEELA	-
2			DR. R. MEENAKUMARI MR. P. TAMILARASU	

2. Agenda: Programme Agenda / Schedule Enclosed : Yes / No

3. Expenditure:

S.No.	Purpose	Proposed	Revised	Actual	Remarks
1	Faculty Remuneration	2000			(400x5) = 2000
2	Refreshment	1320			(44x30) = 1320
3	certificate	504			(12x42) = 504
4	Kit	1950			(50x39) = 1950
5	Miscellaneous	175			
6					
Total		5949			

4. Source Registration fee collected } = 39x300 = Rs 11,700.00
from Participants

	Proposed	Actual
Budget Allotment	11,700.00	Sponsors -
Balance Amt. Available	11,700.00	KEC -
Expenses Proposed	5949	Registration -
Balance	5751	

- 1) DR. A. SHEELA (A. S. Sheela)
2) Dr. R. Meenakumari (R. Meenakumari)
3) P. TAMILARASU (P. Tamilarasu)

H.O.D

CCO

PRINCIPAL

DECLARATION

The above information is true to the best of my knowledge. I agree to abide by the rules and regulations governing the course. If selected, I shall attend the programme for the entire duration. I also undertake the responsibility to inform the Coordinator in case I am unable to attend the course.

Place:

Date: Signature of the Applicant

SPONSORSHIP CERTIFICATE

Mr/Ms/Dr _____

is an employee of our Institute / Organization and is hereby sponsored. He/She will be permitted to attend the programme in full, if selected.

Place:

Signature of the Sponsoring Authority

Date:

Office Seal

For any queries contact:
Dr.A.Sheela M.E., Ph.D.,

Co Ordinator
One day National level
Workshop on

"BUILDING AUTOMATION"
Department of EEE

Kongu Engineering College
Perundurai Erode-638 060 TamilNadu
Contact Mobile -9842782076, 9865255912
E-mail: sheelagerard@gmail.com,
tamilarasu.111@gmail.com

ABOUT THE COLLEGE

Kongu Engineering College (KEC) established in 1984, approved by AICTE, New Delhi, accredited by NAAC for 5 years with the grade of "A++" and an autonomous institution affiliated to Anna University Chennai, has completed 38 years of dedicated and excellent service in the field of technical education. The college offers 17 UG, 15 PG and 16 research programmes in Engineering and Applied Sciences. It is one of the best self financing engineering colleges imparting high quality technical education in Tamil Nadu, India, and is well-known for its technical excellence, modern facilities, record of performance with excellent results and enterprising students. Ranked 33rd among top 100 Private Engineering institutions including Deemed to be Universities in India by "Outlook" 2021 magazine, 12th Position among private Engineering colleges in South zone 25th Position in private Engineering colleges in India by "The Week" Magazine 2021 Ranked 164th position in private Engineering colleges in India by NIRF ranking 2021. It has an active Industry- Institute Partnership (IIP) Cell to interact with industries Received Sustainable Institute Industry Partnership Award consecutively for two years (2014 & 2015) from the Institution in Society for Educational and Entrepreneurship Development, Chennai. It has got NBA accreditation for most of the UG programmes and is an ISO certified institution. It has also got the Best Engineering College award and the Best Principal Award from ISTE. It has established a Technology Business Incubator (TBI) supported by the Department of Science and Technology, Government of India, and won the National Award presented by the President of India on Technology Day in New Delhi. Kongu Engineering College has been awarded as the Most Clean Campus for the Year 2017 by AICTE.

ABOUT THE DEPARTMENT

The Electrical and Electronics Engineering department occupies a prominent place in the chronicles of its academic history. The department has been consistently producing illustrious Engineering graduates of high caliber who occupy prestigious positions in the academic and industrial fields. The specialization of the faculty includes Power System Engineering, Power Electronics and drives, Energy Engineering, Applied Electronics, Control Systems, VLSI, Bio-Medical Engineering, Digital Signal Processing, Sensors and Networks, Computer Networks, Instrumentation and Control etc. The department offers four year UG programme in EEE and two year PG programme in Power Electronics and Drives. The department also carrying out many consultancy activities like energy auditing to many industries. EEE Department of Kongu Engineering College has bagged the National level award under the category "Best Industry Linked Technical Institute for the Electrical Engineering stream", on the survey organized jointly by AICTE and CII during June-July 2013, for the year 2012-13. Renewable Energy Research Centre has been established under Department of Science and Technology funded Rs 1 crore to conduct research in renewable energy and provide tangible outcome in the form of product development for the Academic year 2018-19.

ABOUT THE LOCATION

The college is situated at Perundurai on the National Highway (NH 47) about 80 km from Coimbatore and 20 km from Erode.



One Day National
Level Workshop
on



"BUILDING AUTOMATION"
19.05.2022

Organizing Committee by

Co Ordinator

Dr.A.Sheela M.E., Ph.D.,

Associate Professor & Head of the Department
Department of Electrical & Electronics Engineering

Dr.R.Meenakumari M.E., Ph.D.,

Professor

Department of Electrical & Electronics Engineering

Mr.P.Tamilarasu M.E.,

Assistant Professor (Senior Grade) / EEE

Department of Electrical & Electronics Engineering

Organized by
Department of Electrical and Electronics
Engineering
Kongu Engineering College
Perundurai – 638 060, Erode, Tamil Nadu
&
Schneider Electric India

Tel: 04294-226538

Fax: 04294-220087

E-mail: sheelagerard@gmail.com,

oremkay@gmail.com

tamilarasu.111@gmail.com

Website: www.kongu.ac.in

OBJECTIVE:

In this 21st-century world, home automation system is a very common system. Most of the case, an automation system is highly applicable in the industry called industrial automation, and in parallel, nowadays home automation takes its part to make the social life more smarter. It generally involves an automated household environment. It can be categorized into various types. Some of them can be controlled remotely using a smartphone. Secondly, it can control an actuator, or a motor that ensures security such as door lock. This is dedicated to implement control and monitoring of household goods like lighting system, windows and doors, fans, air conditioning (AC) systems, relay type controls, measuring environment parameters and characterizing environment conditions, performing home surveillance and granting home security.

Main elements of a home automation system are sensors, controllers, and actuators. Sensors can monitor changes in daylight, temperature, or motion detection. Home automation systems can then adjust those settings (and more) to your preferences. Controllers refer to the devices — personal computers, tablets or smartphones — used to send and receive messages about the status of automated features in your home. Actuators may be light switches, motors, or motorized valves that control the actual mechanism, or function, of a home automation system. They are programmed to be activated by a remote command from a controller.

The objective of this course is to disseminate the recent technological advancement in Building Automation Systems from both academia and industry. The solutions using advanced technologies/methodologies will also be discussed.

Topics to be covered:

- Basic Electrical Symbols
- Electrical Safety
- Wiring Circuit of Impulse Relay
- Wiring Circuit of Twilight Switch
- Wiring Circuit of Electronic Timer
- Wiring Circuit of Mechanical Timer
- Wiring Circuit of Motion Sensor
- Wiring Circuit for D O L Starter
- Wiring Circuit for Forward / Reverse D O L Starter

TARGET AUDIENCE:

Faculty members working from Engineering, Arts and Polytechnic Colleges, Research scholars, UG and PG Students, Industry Persons from relevant background of Sciences and Engineering.

FACULTY:

Sessions will be handled by experienced faculty members from Kongu Engineering College.

BOARDING AND LODGING:

Accommodation and boarding will be provided in the college campus to all the participants on chargeable basis.

REGISTRATION FEE DETAILS:

Rs 300 (inclusive GST) for all the participants. Registration is limited to 30 participants and will be selected on first-come-first serve basis. Registration kit includes Course Kit, Materials, Refreshment and Certificates.

HOW TO APPLY:

The applicants should fill the below Google form link and upload their payment receipt along with the scanned copy of application in the specified format with their Principal / Sponsor signature with seal. (Note: Without Principal / Sponsor signature and uploading mismatched file is not allowed to attend the workshop).

Google form link:

<https://tinyurl.com/3vctr42p>

SCHEDULED DATES:

Last date for receipt of Applications:	17.05.2022
Intimation of Selection :	17.05.2022
Confirmation by participants :	18.05.2022

**KONGU ENGINEERING COLLEGE
(AUTONOMOUS)
PERUNDURAI, ERODE 638 060
TAMILNADU**

**&
SCHNEIDER ELECTRIC INDIA
Organizes**

**One day National level Workshop
on**

**“BUILDING AUTOMATION”
19.05.2022**

APPLICATION FORM

Name :
Designation :
Organization :
Gender :
Age :
Educational Qualification :
Address for :
Communication :

Mobile Number :
E-mail ID :
Experience :
Teaching : _____ years
Others (Specify) : _____ years
Need Accommodation : YES / NO
Signature :





Estd 1984

KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE-638 060
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING


One Day Workshop on "BUILDING AUTOMATION"



LIST OF PARTICIPATIONS

S.NO	Name	Name of the Institution	Mobile Number	E-mail id
1.	PARTHIBAN A M	Sakthi polytechnic College	9443360570	parthimsdparthimurugan@gmail.com
2.	TAMIL ARASAN.M	Sakthi polytechnic College	9965158711	tamil58711@gmail.com
3.	DINAKER M	Sakthi polytechnic College	8825647689	dinakarmohan8@gmail.com
4.	BAVANITHAN A	Sakthi polytechnic College	6385300675	bavanithanguhan@gmail.com
5.	Varatharaj. R	Sakthi polytechnic College	9790393278	rajvaratha378@gmail.com
6.	Nisanth C	Sakthi polytechnic College	8667245497	cnisanth345@gmail.com
7.	Sridhar M	Sakthi polytechnic College	9025347092	sridharsk05112003@gmail.com
8.	MANOJ G	Sakthi polytechnic College	9952571716	mg4278065@gmail.co
9.	TAMILARASU P	Sakthi polytechnic College	9788505564	tamilbeast301@gmail.com
10.	Karthic A M	Sakthi polytechnic College	8946066992	karthic9688@gmail.com
11.	NADIN BA	Sakthi polytechnic College	6383005910	eeenadinba24@gmail.com
12.	GOWTHAM. S	Sakthi polytechnic College	8778636548	sgowtham2512005@gmail.com
13.	KARTHICK N S	Sakthi polytechnic College	8248648961	karthickns2004@gmail.com
14.	DHIVYABHARATH.K	Sakthi polytechnic College	6383511850	kdhivyabharath2005@gmail.com
15.	SANGAMESHWARAN T	Sakthi polytechnic College	6381294436	tsangamesh12@gmail.com
16.	SRI PAVITHRAN.S	Sakthi polytechnic College	6383109807	ssripavithran6183@gmail.com
17.	PRIYADHARSHINI .K	Sakthi polytechnic College	9677918200	valarmathivaishnavi490@gmail.com

18.	BALASUBRAMANIAM S R	Sakthi polytechnic College	7397125579	srbalasubramaniam193@gmail.com
19.	KARTHIK RAJ.S.V	Sakthi polytechnic College	7639441851	vrarthikraj888@gmail.com
20.	BHOOSHITHA.J	Sakthi polytechnic College	6388218813	bhooshithaj@gmail.com
21.	AY.Sanjay	Sakthi polytechnic College	8344972993	aysanjay83@gmail.com
22.	KAVINKUMAR S	Sakthi polytechnic College	9360444546	kavinkumars0404@gmail.com
23.	ARAVINTH GURU P	Sakthi polytechnic College	9487379757	aravinththeeran463@gmail.com
24.	M.Soniya Gandhi	Sakthi polytechnic College	7806876040	msoniyagandhi2004@gmail.com
25.	PRADEEPA S	Sakthi polytechnic College	9384925586	pradeepasubramaniam2004@gamil.com
26.	PRANESH.R	Sakthi polytechnic College	7904803621	r.pranesh2005@gmail.com
27.	KARTHIKEYAN M	Sakthi polytechnic College	9629515243	karthikn5152@gmail.com
28.	Devasudharsana.M	Sakthi polytechnic College	9677700647	jaimayil0647@gmail.com
29.	VIGNESH O M	Sakthi polytechnic College	7708411477	vigneshmuthusamy71@gmail.com
30.	KAMESH T	Sakthi polytechnic College	7904296964	kamesht01@gmail.com
31.	KARTHICK N S	Sakthi polytechnic College	8248648961	karthickns2004@gmail.com
32.	NAGENDHARAN L	Sakthi polytechnic College	9360628478	nagentharan 2002@gmail.com
33.	KERTHICK V.C	Sakthi polytechnic College	9677584228	kerthickkerthick475@gmail.com
34.	G PUGALENTHI	Sakthi polytechnic College	6383106107	pugalpugalee333@gmail.com
35.	S RADHAMANI	Sakthi polytechnic College	9944695890	radhamaniee@gmail.com
36.	JEEVANANDHAM S	Sakthi polytechnic College	7339154911	sjeevanandham22@gmail.com
37.	Gowsik s	Sakthi polytechnic College	8248029700	gowsikshanmugavelu@gmail.com
38.	Janarthanan. P. S	Sakthi polytechnic College	9345413260	sjana4946@gmail.com
39.	R S KRISHNAMURTHY	Sakthi polytechnic College	9994476761	spceedeapartement1981@gmail.com


 16/5/22
 (P.TAMILARASU)


 16/5/22

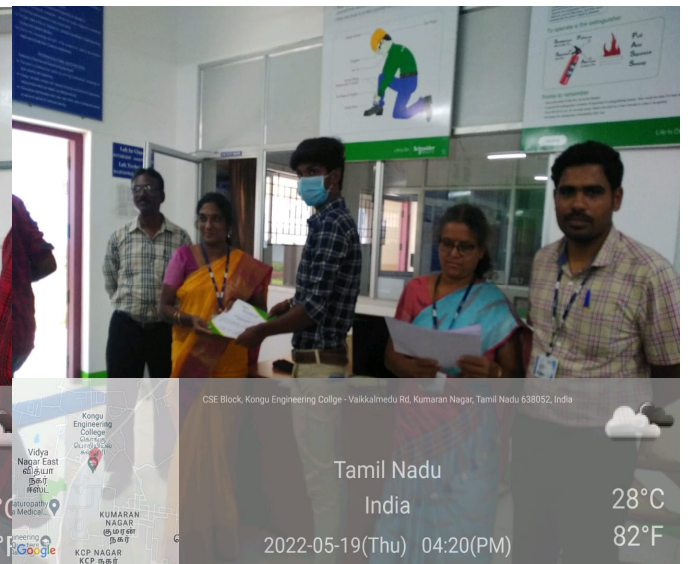
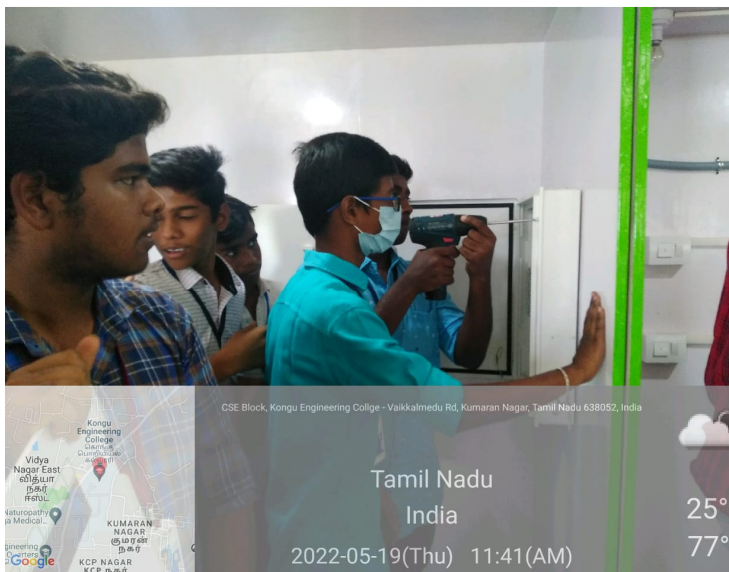
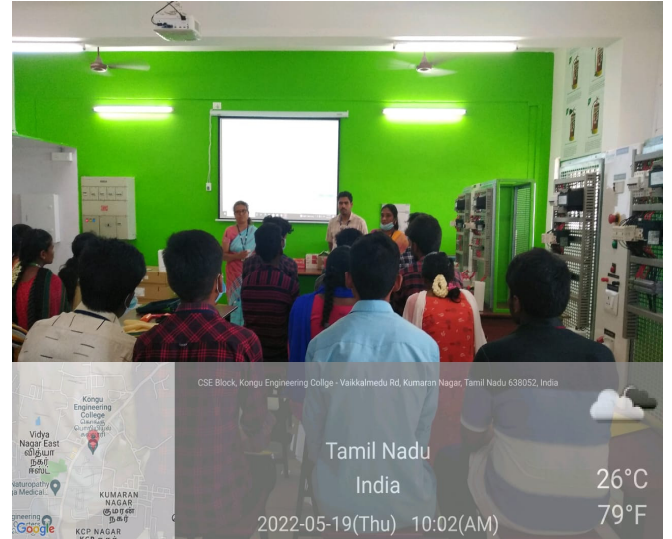
KONGU ENGINEERING COLLEGE, PERUNDURAI - 638 060

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

One Day Workshop on “BUILDING AUTOMATION”

19.05.2022

Photos



KONGU ENGINEERING COLLEGE, PERUNDURAI – 638 060
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ONE DAY WORKSHOP
On
BUILDING AUTOMATION

Program Report

A One day Workshop on “Building Automation” was conducted on 19.05.2022 exclusively for Polytechnic students of Sakthi Polytechnic College, Aapakudal. The participants gained knowledge in Electrical Tools and Safety, installation of Building automation relays like Impulse Relay, Electronic and Mechanical Timers, Twilight Switch etc., The overall feedback received from the participants for this workshop was good.

U TO
₹. 20,000/-

KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE-638 060

PROGRAMME APPROVAL FORM

AD - 12 - PP
REV.1
01.01.2021

Proposal Tracking No.

KEC/SES/EEE/2021-2022/12/0057

Dept. Ref. No.: EE/2021-2022/021

Date: 08.12.2021

1.	Department:	ELECTRICAL AND ELECTRONICS ENGINEERING			
2.	a). Name of the Programme	CSIR Sponsored two day national level seminar on			
	b). Norms under which it is proposed	Recent research trends in Renewable energy Technologies			
3.	Dates:	From : 06.1.2022	TO: 07.1.2022	No. of Days	02
4.	Programme for:	Faculty	Students	Others (Specify) Research Scholars	
5.	Level:	State / National / International	Association	Institution / Dept. / Cell / General	
6.	Highlights of the Programme:	This Seminar will provide the knowledge on various renewable energy technologies and its applications.			

1. Proposed Invitees:

S. No.	Purpose	Chief Guest	Speakers / Jury	Trust Member Invitees
1	Resource Persons from Academic Institutions		Speakers	
2	Govt. organizations and Industry fields			

2. Agenda: Programme Agenda / Schedule Enclosed : Yes / No

3. Expenditure:

S.No.	Purpose	Proposed	Revised	Actual	Remarks
1	Coordinator and non teaching fee	1700			
2	Honorarium	9000			
3	Banner, certificates	1200			
4	Course fee	900			
5	Lunch and refreshment	6600			
6	Miscellaneous and Auditor fee	600			
	Total	20,000			

4. Source Sanctioned Amount: Rs. 25,000/-
Registration fee from participants: NIL

Budget Allotment	Proposed	Actual
Balance Amt. Available	25,000	
Expenses Proposed	-	
Balance	20,000	
	5,000 (20% to KEC)	

Dr. S. Sarath
Faculty i/c (with Name)

H.O.D

CCO

PRINCIPAL

D. Sarath
8/12/2021 (D. SARATHI KUMAR)

KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE- 638 060.

DATE : 19.1.2022

GRANT ACCOUNT SETTLEMENT FORM

1	Co-ordinator's Name & Designation	1) Dr. S. Albert Alexander, ASP/EEE 2) Dr. M. Srinivasan, APCSRU/EEE 3) Mr. P. Sarathkumar, APCSRU/EEE		
2	Department	Electrical and Electronics Engineering		
3	Title of the Grant with Ref. No. and Date	CSIR Sponsored Two day National Seminar on "Recent Research Trends in Renewable Energy Technologies" Ref. No: SYM/10689/21-1120 Dated: November 25, 2021		
4	Nature of Programme	R&D/Seminar/Symposium/Workshop/FDP/ Others (Pls Specify)		
5	Name of the Funding Agency	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH (CSIR)		
6	Date of Function / Event	06.01.2022 to 07.01.2022 (2 Days)		
7	Programme approval No. & Date & Amount (Approved by Principal / Correspondent / Secretary)	EE/2021-2022/021, Dated: 08.12.2021, Amount: Rs. 20000/-		
8	Total Grant Sanctioned (copy to be enclosed)	Rs. 25000/-		
9	Income from other sources (Registration Fee, Sponsor etc.,)	Rs. Nil		
10	Total Expenses	Rs. 25000/-		
11	Advance Amount Received & Date	Rs. 25000/- and Date: 22/12/2021		
12	Balance Amount Claimed	Rs. Nil		
13	Balance Amount Remitted	Rs. Nil		
14	Receipt No. & Date	—		
15	Details of Amount Received from Funding Agency (copy to be enclosed)	1 st Installment / Date	2 nd Installment / Date	3 rd Installment / Date
		Yet to be Received.	—	—

Signature
Dr. S. Albert Alexander
P. Sarathkumar
19/1/2022
C.D. SARATHKUMAR,
APCSRU/EEE

Signature
HOD
25/1/22
CCO(R&D)

REGISTRAR

PRINCIPAL



KONGU ENGINEERING COLLEGE (AUTONOMOUS)
PERUNDURAI, ERODE 638 060 TAMILNADU
CSIR Sponsored Two Day National Level Seminar on
“Recent Research Trends in Renewable Energy Technologies”
(06.01.2022 to 07.01.2022)



EVENT SCHEDULE-SESSION-WISE PROGRAMME

Date/Day	Time	Title of the talk	Resource Persons	
			REGISTRATION BY THE PARTICIPANTS	
DAY 1 06/01/2022 (Thursday)	8.30 a.m to 09.00 a.m	Inaugural function and chief guest address	Yuvaraj Moorthy.S , Associate General Manager-Central Technical Marketing, Strategy and Technology, Schneider Electric India Pvt. Ltd., Myslapore, Chennai-600 004. E-Mail: yuvaraj.moorthy@schneider-electric.com	
	SESSION I 9.30 a.m to 11.00 a.m	Global trends in renewable energy sources	Dr.S.Albert Alexander , Ph.D., PDF (USA), SMIEEE., UGC - Raman Research Fellow , Associate Professor, Department of Electrical and Electronics Engineering Kongu Engineering College, Perundurai 638 060, Erode. E-Mail: ootyalex@gmail.com	
	11.00 a.m to 11.15 a.m	Tea/Coffee Break	Dr.S.Albert Alexander , Ph.D., PDF (USA), SMIEEE., UGC - Raman Research Fellow , Associate Professor, Department of Electrical and Electronics Engineering Kongu Engineering College, Perundurai 638 060, Erode. E-Mail: ootyalex@gmail.com	
	SESSION II 11.15 a.m to 12.45 p.m	Recent research trends in wind energy technologies and advanced biomass technologies	Dr.S.Albert Alexander , Ph.D., PDF (USA), SMIEEE., UGC - Raman Research Fellow , Associate Professor, Department of Electrical and Electronics Engineering Kongu Engineering College, Perundurai 638 060, Erode. E-Mail: ootyalex@gmail.com	
	12.45 p.m to 01.45 p.m	Lunch Break	Dr.S.Albert Alexander , Ph.D., PDF (USA), SMIEEE., UGC - Raman Research Fellow , Associate Professor, Department of Electrical and Electronics Engineering Kongu Engineering College, Perundurai 638 060, Erode. E-Mail: ootyalex@gmail.com	
	SESSION III 01.45 p.m to 03.15 p.m	Role of renewable energy sources in environmental protection and energy policy and planning for future	Dr.S.Albert Alexander , Ph.D., PDF (USA), SMIEEE., UGC - Raman Research Fellow , Associate Professor, Department of Electrical and Electronics Engineering Kongu Engineering College, Perundurai 638 060, Erode. E-Mail: ootyalex@gmail.com	
	03.15 p.m to 03.30 p.m	Tea/Coffee Break	Dr.S.Albert Alexander , Associate Professor & Mr.R.Harish, Senior Research Fellow Department of Electrical and Electronics Engineering Kongu Engineering College, Perundurai 638 060, Erode. E-Mail: ootyalex@gmail.com, harish.27ec10@gmail.com	
	SESSION IV 3.30 p.m to 05.00 p.m	Field visit to 3 kWp solar power plant	Dr.S.Albert Alexander , Associate Professor & Mr.R.Harish, Senior Research Fellow Department of Electrical and Electronics Engineering Kongu Engineering College, Perundurai 638 060, Erode. E-Mail: ootyalex@gmail.com, harish.27ec10@gmail.com	

DAY 2 07/01/2022 (Friday)	SESSION I 09.00 a.m to 10.30 a.m	Role of power electronics in renewable energy sources	Dr.K.Ramash Kumar, Professor, Department of Electrical and Electronics Engineering, Dr.N.G.P.Institute of Technology, Coimbatore-48, Tamilnadu. E-Mail: ramashkumar@dmngpit.ac.in
	10.30 a.m to 10.45 a.m SESSION II 10.45 a.m to 12.15 p.m	Policy planning for energy sustainability and security	Tea/Coffee Break Dr.K.Ramash Kumar, Professor, Department of Electrical and Electronics Engineering, Dr.N.G.P.Institute of Technology, Coimbatore-48, Tamilnadu. E-Mail: ramashkumar@dmngpit.ac.in
	12.15 p.m to 01.15 p.m SESSION III 01.15 p.m to 02.45 p.m	Recent research trends in solar thermal energy	Lunch Break Dr.P.Selvakumar, Associate Professor, Department of Mechanical Engineering, Kongu Engineering College, Perundurai 638 060, Erode. E-Mail: selvkumar@kongu.ac.in
	02.45 p.m to 03.00 p.m SESSION IV 03.00 p.m to 04.30 p.m	Smart Grids for Renewable Energy Systems	Tea/Coffee Break Mr.D.Sarathkumar, Assistant Professor (Senior Grade), Department of Electrical and Electronics Engineering Kongu Engineering College, Perundurai 638 060, Erode. E-Mail: dsarathkumarece@gmail.com
	04.30 p.m to 05.00 p.m	Panel Discussion Feedback from the participants Valedictory function	

P. Sarath
5/11/2022
Course Coordinator

(Mr. D. Sarathkumar

Assistant Professor (Senior)/EEE

DEPT. OF ELECTRICAL & ELECTRONICS ENG.
KONGU ENGINEERING COLLEGE,
THOPPUPALAYAM (PO)
PERUNDURAI (TK), ERODE - 638 060

D. S. Albert
Course Convener
D. S. Albert
(Alexander)

DR. S. ALBERT ALEXANDER, PH.D., PDF (USA), SRIEE,
UGC-RAMAN RESEARCH FELLOW
ASSOCIATE PROFESSOR-EEE
KONGU ENGINEERING COLLEGE
PERUNDURAI-638 060, ERODE.

Asl
HOD/EEE

HEAD
DEPT. OF ELECTRICAL & ELECTRONICS ENG
KONGU ENGINEERING COLLEGE
THOPPUPALAYAM (PO)
PERUNDURAI, ERODE - 638 060.

KONGU ENGINEERING COLLEGE, PERUNDURAI 638 060
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

CSIR Sponsored Two Day National Level Seminar on
 "Recent Research Trends in Renewable Energy
 Technologies" (06.01.2022 to 07.01.2022).



ATTENDANCE SHEET

S. No.	Name and Address of the Participants	06.01.2022		07.01.2022	
		FN	AN	FN	AN
1.	Bharath.V, Assistant Professor, Agriculture Engineering, Excel Engineering College (Autonomous), Namakkal, Tamilnadu	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
2.	Karthikeyan S, Research Scholar, EEE, Sona college of technology, Salem	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
3.	Arunkumar.S, Assistant professor, Civil Engineering, Excel Engineering college, Namakkal and Tamilnadu	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
4.	K Syril Jenifer Paul, Assistant Professor/EEE, Suguna College of Engineering, Coimbatore-Tamilnadu	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
5.	Anandakumar K, Assistant Professor, ECE Suguna College of Engineering, Coimbatore, Tamilnadu	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
6.	Bharanidharan K, Assistant Professor, Electrical and Electronics Engineering, Dr.N.G.P Institute of Technology, Coimbatore and Tamilnadu.	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
7.	J.Venkatesh, Assistant Professor, Mechanical Engineering, PSNA College of Engineering and Technology, Dindigul and Tamilnadu.	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
8.	Anbarasan B, Assistant Professor, Mechanical Engineering, PSNA College of Engineering and Technology, Dindigul, Tamil Nadu.	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
9.	Mohankumar T, Lecturer, Mechanical Department, Excel Polytechnic College, Namakkal and Tamilnadu.	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
10.	Rameshkumar S, Assistant professor Agriculture engineering, Excel engineering college- Namakkal Namakkal and Tamilnadu	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
11.	A.Revathi, Assistant Professor, Department of Chemistry, Kongu Engineering College, Perundurai, Erode-638 060, Tamilnadu.	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
12.	K.Prabhakaran, Assistant Professor, Department of Chemistry, Kongu Engineering College, Perundurai, Erode-638 060, Tamilnadu.	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>

KONGU ENGINEERING COLLEGE, PERUNDURAI 638 060
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

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2.	Karthikeyan S, Research Scholar, EEE, Sona college of technology, Salem	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
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5.	Anandakumar K, Assistant Professor, ECE Suguna College of Engineering, Coimbatore, Tamilnadu	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
6.	Bharanidharan K, Assistant Professor, Electrical and Electronics Engineering, Dr.N.G.P Institute of Technology, Coimbatore and Tamilnadu.	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
7.	J.Venkatesh, Assistant Professor, Mechanical Engineering, PSNA College of Engineering and Technology, Dindigul and Tamilnadu.	<i>[Signature]</i> 6/1/22	<i>[Signature]</i> 6/1/22	<i>[Signature]</i> 7/1/22	<i>[Signature]</i> 7/1/22
8.	Anbarasan B, Assistant Professor, Mechanical Engineering, PSNA College of Engineering and Technology, Dindigul, Tamil Nadu.	<i>[Signature]</i> 6/1/22	<i>[Signature]</i> 6/1/22	<i>[Signature]</i> 7/1/22	<i>[Signature]</i> 7/1/22
9.	Mohankumar T, Lecturer, Mechanical Department, Excel Polytechnic College, Namakkal and Tamilnadu.	<i>[Signature]</i> 6/1/22	<i>[Signature]</i> 6/1/22	<i>[Signature]</i> 7/1/22	<i>[Signature]</i> 7/1/22
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12.	K.Prabhakaran, Assistant Professor, Department of Chemistry, Kongu Engineering College, Perundurai, Erode-638 060, Tamilnadu.	<i>[Signature]</i> 6/1/22	<i>[Signature]</i> 6/1/22	<i>[Signature]</i> 7/1/22	<i>[Signature]</i> 7/1/22

S. No.	Name and Address of the Participants	06.01.2022		07.01.2022	
		FN	AN	FN	AN
13.	Dr.S.Sathishkumar, Assistant Professor (Senior Grade), Department of Chemistry, Kongu Engineering College, Perundurai, Erode-638 060.				
14.	K.Yoghanathan, Assistant Professor, Department of Chemistry, Kongu Engineering College, Perundurai, Erode-638 060, Tamilnadu.				
15.	Dr.P.Srinivasan, Assistant Professor (Senior Grade), Department of Chemistry, Kongu Engineering College, Perundurai, Erode-638 060, Tamilnadu.				
16.	R.Manivannan, Assistant Professor (Senior Grade), Department of Mechanical Engineering, Kongu Engineering College, Perundurai, Erode-638 060.				
17.	Dr.A.Tamilvanan, Assistant Professor (Senior Grade), Department of Mechanical Engineering, Kongu Engineering College, Perundurai, Erode.				
18.	A.Abubakkar, Assistant Professor (Senior Grade), Department of Mechanical Engineering, Kongu Engineering College, Perundurai, Erode-638 060.				
19.	Dr.A.Mohankumar, Associate Professor, Department of Mechanical Engineering, Kongu Engineering College, Perundurai, Erode-638 060, Tamilnadu.				
20.	Mr.D.Sakthivel, Assistant Professor Civil Engineering, Thindal, Erode, Tamilnadu				
21.	Dr.C.Senthil Kumar, Professor and Head, EEE AAA College of Engineering and Technology, Virudhunagar, Tamilnadu				
22.	Dr.S.Jayanthi, Professor/EEE, Tagore Institute of Engineering and Technology, Salem Tamil Nadu.				
23.	Vijaya Kumar NM, Assistant Professor/EEE, K.L.N College of Engineering, Tamil Nadu.				
24.	N.Muthy AP Civil Department. Excel Engineering College.TN.				
25.	S. KIRUTHIKA, Asst Prof, Physics Dept, Kongu Engineering College.				
26.	A. Fathima Darras Gracy, AP Civil, ESEC,				
27.					
28.					

Course Convener

Course Coordinator

HoD/EEE

DR. ALBERT ALEXANDER, Ph.D., PDF (USA), SMIEEE,
UGC- RAMAN RESEARCH FELLOW
ASSOCIATE PROFESSOR-EEE
KONGU ENGINEERING COLLEGE
PERUNDURAI-638 060, ERODE.

(D. SARATHICUMAR)

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KONGU ENGINEERING COLLEGE,
THOPPUPALAYAM (PO)
PERUNDURAI (TK), ERODE - 638 060

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KONGU ENGINEERING COLLEGE
THOPPUPALAYAM (PO)
PERUNDURAI, ERODE - 638 060



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Human Resource Development Group
CSIR Complex, Library Avenue, Pusa, New Delhi 110 012
Tel : 011 2584 1037
Email: symposia_travel@gmail.com, web <http://csirhrdg.res.in>

Hemant Kulkarni
Senior Principal Scientist

Ref No. SYM/10689/21-HRD
November 25, 2021

Dr S Albert Alexander
Associate Professor, Dept. of EEE
Kongu Engineering College
Perundurai, Erode District - 638 060 Tamil Nadu

SUBJECT: Two days National Seminar on Recent Research Trends in Renewable Energy Technologies during Dec 02-03, 2021 at Kongu Engineering College, Erode District

Dear Dr Alexander

With reference to your application on the above subject, we are happy to inform you that Director General, CSIR has been pleased to sanction a grant of **Rs.25000/- (Rupees Twenty Five Thousand Only)** subject to the following conditions:

1. The grant received from CSIR should be duly acknowledged by email along with a certificate that the grant would be specifically utilized for the purpose for which it has been sanctioned.
2. The grant may be reimbursed within four months from the date of Conference/Seminar/Workshop etc. is over by filling-in the Grant-in-Aid Bill Form in duplicate duly signed and rubber stamped by the concerned officials, indicating clearly the designation of the official along with Audited Statement of Expenditure for release of grant. Current Proforma for Grant-in-aid bill, Audited Statement of Expenditure and NEFT are available on our website <http://csirhrdg.res.in/Home/Index/1/InPage/53/14>. If any Utilization Certificates of Previous Grant for symposia (as per Col.No. 15 of the Application Proforma) is not submitted till date, please attach copies of Utilization Certificates also. Any claim received beyond 4 months will be entertained only in exceptional cases subject to submission of reasons for delay, duly forwarded through Head of the Organization. In no case, the claim will be entertained after 6 months. All the pages of above documents should be self attested by the organizer.
3. Invitation cards should be sent to the Director General, CSIR and Head, HRDG. CSIR may nominate three scientists for the above event and registration fee should not be charged from them. In case of nomination, the Head, HRDG or the undersigned would issue a letter with a copy to the nominee(s).
4. Softcopy (preferably in Pen Drive/CD/ DVD in PDF format) of the full paper proceedings of above event should be sent to the undersigned.
5. An overall activity report by the Convener / Organizing Secretary should be made available by email to us with regard to outcome of the gathering, the recommendations and plan of action for future. The names, addresses & email IDs of the participants / delegates should also be sent immediately after the event by email.

Yours sincerely,

(Hemant Kulkarni)

Copy to: Audit (EMR) HRDG

Gmail

Sarath Kumar <dsarathkumareee@gmail.com>

Fwd: CSIR Sym/Conference Grant sanction letter No. Sym/10689/21-HRD attached
3 messages

ALBERT ALEXANDER <ootyalex@gmail.com>

To: "Dr. S.Shankar Ph.D" <shankariitm@gmail.com>, Srinivasan M <msrinieee@gmail.com>, sarath kumar <dsarathkumareee@gmail.com> 26 November 2021 at 13:33

----- Forwarded message -----

From: **Symposia Travel** <symposia.travel@gmail.com>

Date: Fri, 26 Nov 2021 at 12:46 PM

Subject: CSIR Sym/Conference Grant sanction letter No. Sym/10689/21-HRD attached

To: <ootyalex@gmail.com>

Dear Dr Alexander

Kindly find the attachment of the CSIR Sym/Conference grant letter.

TG/Sym Grant Unit

CSIR-HRDG, New Delhi

--

With regards,

Dr.S.ALBERT ALEXANDER Ph.D., PDF (USA)., SMIEEE.,

UGC - Raman Research Fellow

MHRD - National Level Teaching Innovator Awardee, 2019

AICTE- Margadharshak

Mentor for Change - Atal Innovation Mission

Vice President, Energy Conservation Society, India

Associate Professor, Department of Electrical & Electronics Engineering


Kongu Engineering College

Perundurai 638 060, Erode district, Tamilnadu, India.

Cell: +91 98659 31597

Email: ootyalex@gmail.com

Website: www.ootyalex.webs.com

 **SYM 10689.pdf**
864K

ALBERT ALEXANDER <ootyalex@gmail.com>

28 November 2021 at 19:54

To: Symposia Travel <symposia.travel@gmail.com>

Bcc: dsarathkumareee@gmail.com

Respected Sir,

Subject: Requisition to give permission to change the dates for CSIR sponsored seminar-
Reg.

I hereby acknowledge the receipt of your email with sincere thanks.

I sincerely thank CSIR for selecting our proposal for the funding support.

During the proposal submission, we proposed the seminar dates from 02.12.2021 to 03.12.2021.

to the very short span of time and also due to poor weather conditions, we cannot
able to conduct the course in the above mentioned dates and it is difficult to reach more
number of participants. Hence, I request you to give permission to conduct the seminar
on **January 2022 (06.01.2022 to 07.01.2022)**.

Thank you sir.

[Quoted text hidden]

ALBERT ALEXANDER <ootyalex@gmail.com>

To: "Dr. S.Shankar Ph.D" <shankariitm@gmail.com>, sarath kumar <dsarathkumareee@gmail.com> 30 November 2021 at 13:03

----- Forwarded message -----

From: **Symposia Travel** <symposia.travel@gmail.com>

Date: Tue, 30 Nov 2021 at 1:01 PM

Subject: Re: CSIR Sym/Conference Grant sanction letter No. Sym/10689/21-HRD attached

To: **ALBERT ALEXANDER** <ootyalex@gmail.com>

Dear Sir/Madam

With reference to your mail regarding Sym/10689/21-HRD rescheduling
the event on 06-07, Jan 2022 instead of 02-03, Dec, 2021 (as per your
proposal) for the reasons cited. However, this is one time change and
no further change in date would be permitted subject to all other
terms of sanction would remain same. Kindly enclose copy of this email
while submitting claim bill after over the event.

Kind regards
TGSM unit, CSIR Cx

[Quoted text hidden]

[Quoted text hidden]

OBJECTIVE:

In recent years, science and technology has made remarkable progress in the field of renewable energy applications and continue to search for new techniques to meet the progressively increasing demands of energy and to maintain a pollution free environment. This program aims to update the professionals working in the field of renewable energy on technical, economic and social aspects. The proposed seminar is an effort in the direction to provide a forum for the academicians, scientists, engineers, technologists, Stakeholders, students and persons from industry for mutual sharing of knowledge, expertise and experience. A large number of participants are expected to attend the seminar from all over the country.

COURSE CONTENTS:

The major thrust of the seminar will be on current research trends in all renewable technologies including the following but not limited to:

- History of energy sources
- Global trends in renewable energy sources
- Recent research trends in
 - ✓ Concentrating Solar Power (CSP)
 - ✓ Concentrating PhotoVoltaics (CPV)
 - ✓ Solar Thermal Energy for Polygeneration
 - ✓ Wind Energy Technologies
 - ✓ Fuel cell and Hydrogen Energy
 - ✓ Advanced Biomass Technologies
- Smart Grids for Renewable Energy Systems
- Role of power electronics in renewable energy conversion.
- Role of renewable energy sources in environmental protection and energy policy and planning for future
- Integration, Control, Communication and Metering of Renewable Energy Systems
- Policy planning for energy sustainability and security

TARGET AUDIENCE:

Faculty members and Research Scholars from academic institutes, Personnel from R & D organization and related Industries.

EXPERTS:

Sessions will be conducted by senior and experienced faculty members from the various renowned institutes, eminent experts from research organization and industries working in this area.

BOARDING AND LODGING:

Accommodation and boarding will be provided in the college campus to all the participants.

REGISTRATION DETAILS:

No registration fee for all the participants. Registration is limited to 30 participants and selected on first-come-first serve basis.

HOW TO APPLY:

The applicants should fill the below Google form link and upload their scanned copy of application in the specified format with their Principal / Sponsor signature with seal. (Note: Without Principal / Sponsor signature and uploading mismatched file is not allowed to attend the seminar).

Google form link:

<https://forms.gle/GgZq2TiUkeKGRPNJ9>

SCHEDULED DATES:

Last date for fill the Google form : 29.12.2021
Intimation of Selection : 30.12.2021
Confirmation by participants : 31.12.2021

**KONGU ENGINEERING COLLEGE
(AUTONOMOUS)
PERUNDURAI, ERODE 638 060
TAMILNADU**

**CSIR Sponsored Two Day National Level
Physical Mode Seminar on
“Recent Research Trends in Renewable Energy
Technologies”
(06.01.2022 to 07.01.2022)**

APPLICATION FORM

Name :
Designation :
Organization :
Gender :
Age :
Educational Qualification :
Address for :
Communication

Mobile Number :
E-mail ID :
Experience :
Teaching : _____years
Others (Specify) : _____years
Need Accommodation : YES / NO
Signature :

DECLARATION

The above information is true to the best of my knowledge. I agree to abide by the rules and regulations governing the course. If selected, I shall attend the programme for the entire duration. I also undertake the responsibility to inform the Coordinator in case I am unable to attend the course.

Place:

Date: Signature of the Applicant

SPONSORSHIP CERTIFICATE

Mr/Ms/Dr _____

is an employee of our Institute / Organization and is hereby sponsored. He/She will be permitted to attend the programme in full, if selected.

Place: Signature of the Sponsoring Authority

Date: Office Seal

For any queries contact:

Dr.S.Albert Alexander Ph.D.,PDF(USA).,
UGC-Raman Research Fellow
Associate Professor

Chairperson

CSIR Sponsored Two Day National Level

Physical Mode Seminar on

“Recent Research Trends in Renewable Energy Technologies”

(06.01.2022 to 07.01.2022)

Department of EEE

Kongu Engineering College

Perundurai Erode-638 060 Tamilnadu

Contact Mobile – 9865931597, 9688427208

E-mail:ootyalex@gmail.com,

dsarathkumareee@gmail.com

Website: www.ootyalex.webs.com

ABOUT THE COLLEGE

Kongu Engineering College (KEC) established in 1984, approved by AICTE, New Delhi, accredited by NAAC for 5 years with the grade of “A” and an autonomous institution affiliated to Anna University Chennai, has completed 37 years of dedicated and excellent service in the field of technical education. The college offers 14 UG, 19 PG and 16 research programmes in Engineering and Applied Sciences. It is one of the best self-financing engineering colleges imparting high quality technical education in Tamil Nadu, India, and is well-known for its technical excellence, modern facilities, record of performance with excellent results and enterprising students. Ranked 1st Position in Tamilnadu and 39th position at all India level by “Outlook” magazine, 3rd Position in Tamilnadu and 32nd Position in private Engineering colleges in India by “The Week” Magazine. Ranked 165th position in private Engineering colleges in India by NIRF ranking. It has an active Industry- Institute Partnership (IIP) Cell to interact with industries. Received Sustainable Institute Industry Partnership Award consecutively for two years (2014 & 2015) from the Institution in Society for Educational and Entrepreneurship Development, Chennai. It has got NBA accreditation for most of the UG programmes and is an ISO certified institution. It has also got the Best Engineering College award and the Best Principal Award from ISTE. It has established a Technology Business Incubator (TBI) supported by the Department of Science and Technology, Government of India, and won the National Award presented by the President of India on Technology Day in New Delhi. Kongu Engineering College has been awarded as the Most Clean Campus for the Year 2017 by AICTE.

ABOUT THE DEPARTMENT

The Electrical and Electronics Engineering department occupies a prominent place in the chronicles of its academic history. The department has been consistently producing illustrious Engineering graduates of high caliber who occupy prestigious positions in the academic and industrial fields. The specialization of the faculty includes Power System Engineering, Power Electronics and drives, Energy Engineering, Applied Electronics, Control Systems, VLSI, Bio-Medical Engineering, Digital Signal Processing, Sensors and Networks, Computer Networks, Instrumentation and Control etc. The department offers four year UG programme in EEE and two year PG programme in Power Electronics and Drives. The department also carrying out many consultancy activities like energy auditing to many industries. EEE Department of Kongu Engineering College has bagged the National level award under the category “Best Industry linked Technical Institute for the Electrical Engineering stream”, on the survey organized jointly by AICTE and CII during June-July 2013, for the year 2012-13. Renewable Energy Research Centre has been established under Department of Science and Technology funded Rs.1 crore to conduct research in renewable energy and provide tangible outcome in the form of product development for the Academic year 2018-19.

ABOUT THE LOCATION

The college is situated at Perundurai on the National Highway (NH 47) about 80 km from Coimbatore and 20 km from Erode.



**CSIR Sponsored
Two Days
National Level
Physical Mode
Seminar on**



**“Recent Research Trends in
Renewable Energy Technologies”
(06.01.2022 to 07.01.2022)**

Organizing Committee by

Chairpersons:

Dr.S.Albert Alexander Ph.D., PDF (USA).,
SMIEEE.,

UGC-Raman Research Fellow

Associate Professor/EEE

Dr.M.Srinivasan M.E., Ph.D.,

SERB TARE Research Fellow (IIT Madras)

Assistant Professor (Senior Grade)/EEE

Organizing Secretary:

Mr.D.Sarathkumar M.E.,

Assistant Professor (Senior Grade)/EEE

School of Electrical Sciences
Department of Electrical and Electronics Engg.
Kongu Engineering College
Perundurai – 638060, Erode, TamilNadu

Tel: 04294-226538

Fax: 04294-220087

E-mail:albert@kongu.ac.in,

sarath.eee@kongu.ac.in

Website: www.kongu.ac.in





COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH

Human Resource Development Group

CSIR Complex, Library Avenue, Pusa, New Delhi 110 012

Tel : 011 2584 1037

Email: symposia.travel@gmail.com , web <http://csirhrdg.res.in>

Hemant Kulkarni
Senior Principal Scientist

Ref No. SYM/10689/21-HRD
November 25, 2021

Dr S Albert Alexander
Associate Professor, Dept. of EEE
Kongu Engineering College
Perundurai, Erode District - 638 060 Tamil Nadu

SUBJECT: Two days National Seminar on Recent Research Trends in Renewable Energy Technologies during Dec 02-03, 2021 at Kongu Engineering College, Erode District

Dear Dr Alexander

With reference to your application on the above subject, we are happy to inform you that Director General, CSIR has been pleased to sanction a grant of **Rs.25000/- (Rupees Twenty Five Thousand Only)** subject to the following conditions:

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2. The grant may be reimbursed within four months from the date of Conference/Seminar/Workshop etc. is over by filling-in the Grant-in-Aid Bill Form in duplicate duly signed and rubber stamped by the concerned officials, indicating clearly the designation of the official along with Audited Statement of Expenditure for release of grant. Current Proforma for Grant-in-aid bill, Audited Statement of Expenditure and NEFT are available on our website <http://csirhrdg.res.in/Home/Index/1/InPage/53/14>. If any Utilization Certificates of Previous Grant for symposia (as per Col.No. 15 of the Application Performa) is not submitted till date, please attach copies of Utilization Certificates also. Any claim received beyond 4 months will be entertained only in exceptional cases subject to submission of reasons for delay, duly forwarded through Head of the Organization. In no case, the claim will be entertained after 6 months. All the pages of above documents should be self attested by the organizer.
3. Invitation cards should be sent to the Director General, CSIR and Head, HRDG. CSIR may nominate three scientists for the above event and registration fee should not be charged from them. In case of nomination, the Head, HRDG or the undersigned would issue a letter with a copy to the nominee(s).
4. Softcopy (preferably in Pen Drive/CD/ DVD in PDF format) of the full paper proceedings of above event should be sent to the undersigned.
5. An overall activity report by the Convener / Organizing Secretary should be made available by email to us with regard to outcome of the gathering, the recommendations and plan of action for future. The names, addresses & email IDs of the participants / delegates should also be sent immediately after the event by email.

Yours sincerely,

(Hemant Kulkarni)

Copy to: Audit (EMR) HRDG



KONGU ENGINEERING COLLEGE (AUTONOMOUS)
PERUNDURAI, ERODE 638 060 TAMILNADU
CSIR Sponsored Two Day National Level Seminar on
“Recent Research Trends in Renewable Energy Technologies”
(06.01.2022 to 07.01.2022)



EVENT SCHEDULE-SESSION-WISE PROGRAMME


Date/Day	Time	Title of the talk	Resource Persons
	8.30 a.m to 09.00 a.m	REGISTRATION BY THE PARTICIPANTS	
	9.00 a.m to 09.30 a.m	Inaugural function and chief guest address	Yuvaraj Moorthy.S , Associate General Manager-Central Technical Marketing, Strategy and Technology, Schneider Electric India Pvt. Ltd., Mylapore, Chennai-600 004. E-Mail: yuvaraj.moorthy@schneider-electric.com
	SESSION I 9.30 a.m to 11.00 a.m	Global trends in renewable energy sources	Dr.S.Albert Alexander, Ph.D., PDF (USA)., SMIEEE., UGC - Raman Research Fellow , Associate Professor, Department of Electrical and Electronics Engineering Kongu Engineering College, Perundurai 638 060, Erode. E-Mail: ootyalex@gmail.com
	11.00 a.m to 11.15 a.m	Tea/Coffee Break	
DAY 1	SESSION II 11.15 a.m to 12.45 p.m	Recent research trends in wind energy technologies and advanced biomass technologies	Dr.S.Albert Alexander, Ph.D., PDF (USA)., SMIEEE., UGC - Raman Research Fellow , Associate Professor, Department of Electrical and Electronics Engineering Kongu Engineering College, Perundurai 638 060, Erode. E-Mail: ootyalex@gmail.com
06/01/2022 (Thursday)	12.45 p.m to 01.45 p.m	Lunch Break	
	SESSION III 01.45 p.m to 03.15 p.m	Role of renewable energy sources in environmental protection and energy policy and planning for future	Dr.S.Albert Alexander, Ph.D., PDF (USA)., SMIEEE., UGC - Raman Research Fellow , Associate Professor, Department of Electrical and Electronics Engineering Kongu Engineering College, Perundurai 638 060, Erode. E-Mail: ootyalex@gmail.com
	03.15 p.m to 03.30 p.m	Tea/Coffee Break	
	SESSION IV 3.30 p.m to 05.00 p.m	Field visit to 3 kWp solar power plant	Dr.S.Albert Alexander, Associate Professor & Mr.R.Harish, Senior Research Fellow Department of Electrical and Electronics Engineering Kongu Engineering College, Perundurai 638 060, Erode. E-Mail: ootyalex@gmail.com, harish.27ec10@gmail.com

DAY 2 07/01/2022 (Friday)	SESSION I 09.00 a.m to 10.30 a.m	Role of power electronics in renewable energy sources	Dr.K.Ramash Kumar , Professor, Department of Electrical and Electronics Engineering, Dr.N.G.P.Institute of Technology, Coimbatore-48, Tamilnadu. E-Mail: ramashkumar@drngpit.ac.in
	10.30 a.m to 10.45 a.m	Tea/Coffee Break	
	SESSION II 10.45 a.m to 12.15 p.m	Policy planning for energy sustainability and security	Dr.K.Ramash Kumar , Professor, Department of Electrical and Electronics Engineering, Dr.N.G.P.Institute of Technology, Coimbatore-48, Tamilnadu. E-Mail: ramashkumar@drngpit.ac.in
	12.15 p.m to 01.15 p.m	Lunch Break	
	SESSION III 01.15 p.m to 02.45 p.m	Recent research trends in solar thermal energy	Dr.P.Selvakumar , Associate Professor, Department of Mechanical Engineering, Kongu Engineering College, Perundurai 638 060, Erode. E-Mail: selvkumar@kongu.ac.in
	02.45 p.m to 03.00 p.m	Tea/Coffee Break	
	SESSION IV 03.00 p.m to 04.30 p.m	Smart Grids for Renewable Energy Systems	Mr.D.Sarathkumar , Assistant Professor (Senior Grade), Department of Electrical and Electronics Engineering Kongu Engineering College, Perundurai 638 060, Erode. E-Mail: dsarathkumareee@gmail.com
	04.30 p.m to 05.00 p.m	Panel Discussion Feedback from the participants Valedictory function	

Event Highlights (Brief report with Photographs)
(Financial Assistance to Seminar)

Reference: CSIR Sanction No: SYM/10689/21-HRD

Dated: November 25, 2021

	<p>Convener Name : Dr.S.Albert Alexander Ph.D., PDF (USA), SMIEEE.,</p> <p>Designation : Associate Professor</p> <p>Department : Electrical and Electronics Engineering</p> <p>Institute Name & Address : Kongu Engineering College, Perundurai, Erode – 638060.Tamilnadu. India.</p>
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1. Title of the Seminar:
“Recent Research Trends in Renewable Energy Technologies”
2. Duration / Period of the organized event : **06.01.2022 to 07.01.2022**
3. Grant Sanctioned : **Rs.25, 000 (Rupees Twenty Five Thousand only)**
4. Have you submitted the Utilization Certificate,
Statement of Expenditure & Brief Report till date : **Yes**
5. Brief Summary of the event

A two day national seminar on “Recent Research Trends in Renewable Energy Technologies” has been successfully conducted on 6 and 7 th January 2021 with the financial support from CSIR.

This seminar deliberated on the new emerging technologies in Renewable Energy. In recent years, science and technology has made remarkable progress in the field of renewable energy applications and continue to search for new techniques to meet the progressively increasing demands of energy and to maintain a pollution free environment. This program aims to update the professionals working in the field of renewable energy on technical, economic and social aspects. This seminar is an effort in the direction to provide a forum for the academicians, scientists, engineers, technologists, Stakeholders, students and persons from industry for mutual sharing of knowledge, expertise and experience. Around 26 participants are attended this seminar from all over the country.

Various topics such as

- Global trends in renewable energy sources
- Recent research trends in wind energy technologies and advanced biomass technologies
- Role of renewable energy sources in environmental protection and energy policy and planning for future
- Field visit to 3 kWp solar power plant
- Role of power electronics in renewable energy sources
- Policy planning for energy sustainability and security
- Recent research trends in solar thermal energy
- Smart Grids for Renewable Energy Systems were addressed during the program sessions with domain experts both internal and external from reputed Institutions.

List of Experts:

External:

Dr.K.Ramash Kumar, Professor,
Department of Electrical and Electronics Engineering,
Dr.N.G.P.Institute of Technology, Coimbatore-48, Tamilnadu.
E-Mail: ramashkumar@drngpit.ac.in

Internal:

- 1) Dr.S.Albert Alexander, Ph.D., PDF (USA), SMIEEE.,
UGC - Raman Research Fellow, Associate Professor
Department of Electrical and Electronics Engineering,
Kongu Engineering College, Perundurai 638 060, Erode.
E-Mail: ootyalex@gmail.com
- 2) Dr.P.Selvakumar, Associate Professor,

Department of Mechanical Engineering,
Kongu Engineering College, Perundurai 638 060, Erode.
E-Mail: selvkumar@kongu.ac.in

3) Mr.D.Sarathkumar M.E., Assistant Professor (Senior Grade),
Department of Electrical & Electronics Engineering,
Kongu Engineering College, Perundurai 638 060,
Erode district, Tamilnadu, India.
E-Mail:dsarathkumareee@gmail.com

The copy of session schedule is enclosed for your kind reference.

This seminar delivered knowledge to Energy engineering professionals, researchers in the field, and Post graduate students will found this seminar a useful starting point to understand the technologies and surrounding aspects involved in Microgrid and Electric Vehicles Technology. 26 participants from various institutions are benefited through this seminar. We sincerely thank CSIR for financially supporting to organize the seminar on this important and fast growing field in Renewable Energy Technologies.

6. Event Highlights (Technical writing):

This seminar encouraged and sparked the interest to the researchers and industrial experts in the area of:

- ✓ Global trends in renewable energy sources
- ✓ Recent research trends in wind energy technologies and advanced biomass technologies
- ✓ Role of renewable energy sources in environmental protection and energy policy and planning for future
- ✓ Field visit to 3 kWp solar power plant
- ✓ Role of power electronics in renewable energy sources
- ✓ Policy planning for energy sustainability and security
- ✓ Recent research trends in solar thermal energy
- ✓ Smart Grids for Renewable Energy Systems were addressed during the program sessions with domain experts both internal and external from reputed Institutions.

Also, seminar throws a light on the area for further improvising research in Recent Research Trends in Renewable Energy Systems Technology for young researchers.

Participation Information:

S. No	Participation in the event	Nos. Only
I.	Key-note speakers	05
II.	Senior and Young Scientist	26
Total		31

Photographs Section: Please paste high resolutions photographs in given spaces below or send the same as attachments, in JPEG format only, by email to symposia.travel@gmail.com

1. Technical Session :1



2. Technical session: 2



3. Group Photo:





COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH
HUMAN RESOURCE DEVELOPMENT GROUP
CSIR COMPLEX, OPP INSTITUTE OF HOTEL MANAGEMENT
LIBRARY AVENUE, PUSA, NEW DELHI- 110012, INDIA
Email: tgsm[at]csirhrdg[dot]res[dot]in
Phone: 0112584107

Symposia Grant Scheme for Organising Scientific Events (Symposia/
Seminars / Conferences/ workshops, etc. within India)

GRANT-IN-AID BILL

(To be filled by the Applicant and submitted in duplicate)

Date: 31/01/2022

To: Head, HRD Group, CSIR Complex, Pusa, New Delhi-110012

Reference: CSIR Sanction No: SYM/10689/21-HRD

Dated: November 25, 2021

1. Name of the Organisation under whose auspices the Scientific Event was organized:
Kongu Engineering College, Perundurai, Erode Dt.-638 060, and Tamilnadu, India.

2. Title/Name of the Scientific Event: "Recent Research Trends in Renewable Energy Technologies"

3. Venue of the Event (Address)
Address: Homi J. Bhabha Seminar Hall,
School of Electrical Sciences,
Department of EEE,
Kongu Engineering College, Perundurai, Erode District.
City: Erode
State: Tamilnadu
Pin: 638 060

4. Period:

From			To		
Date	Month	Year	Date	Month	Year
06	01	2022	07	01	2022

5. Brief report (highlights) of the Scientific Event (Less than 1000 words- Attach separate sheet)
Attached in Annexure-I

6. (a) Grant Sanctioned: Rs.25, 000 (Rupees Twenty Five Thousand only)
(b) Total Actual Expenditure: Rs.25, 000 (Rupees Twenty Five thousand only)
(c) Actual expenditure as per Attached Audited Statement of Expenditure for claim from
CSIR: Rs.25, 000 (Rupees Twenty Five Thousand only)

7. Pl tick mark (√) the name of the authority to whom the NEFT payment is to be made:

S.No.	Authority	Mark √
i.	Director	
ii.	Registrar	
iii.	Dean	
iv.	Finance Officer	
v.	Medical Superintendent	
vi.	Principal	
vii.	Any Other Authority designated by your Organization/Institute (Kindly specify (Principal Kongu Engineering College))	√

Note : Grant will be released in the account of Society/Institution/Organization etc only

Certified that the amount claimed in this bill was utilized for the purpose for which it has been sanctioned, and the Audited Statement of Expenditure is enclosed as per requirement.

Organizer:

Signature

Name: Dr.S.Albert Alexander
Designation: Associate Professor
Address: Kongu Engineering College
City: Erode State: Tamil Nadu Pin: 638 060
Mob No.: 9865931597
Email ID: ootyalex@gmail.com
Seal / Stamp

D. Sarath
21/11/2022

Signature of the Co-ordinator

Name: D.Sarathkumar M.E.,
Designation: Assistant Professor (Senior Grade)
Department: Electrical and Electronics Engineering
Name of the Institute: Kongu Engineering College
Address: Perundurai. City: Erode
State: Tamil Nadu Pin: 638 060
Contact No with STD code: 04294-226538
Mobile No: 9688427208
E-mail ids: dsarathkumareee@gmail.com, sarath.eee@kongu.ac.in

Head of the Organisation (Place of Event)

Signature

Name: Dr.V.Balusamy
Designation: Principal
Address: Kongu Engineering College
City: Erode State: Tamil Nadu Pin: 638 060
Mob No.: 9942820583
Email ID: principal@kongu.ac.in
Seal / Stamp

PRINCIPAL
KONGU ENGINEERING COLLEGE
THOPPUPALAYAM (PO)
PERUNDURAI (TK), ERODE - 638 060
TAMILNADU, INDIA

TO BE FILLED BY CSIR-EMR

Budget Head- EMR (Misc.) P81-104

It is certified that no AC /UC is pending from the Organization/institute in connection with earlier such grants released to them.

Pay: Rs: _____ (Rupees _____)

Name of the authority to whom the NEFT payment is to be made: Director/Registrar/
Dean/Medical Superintendent/ Principal/Finance Officer / _____
as per NEFT format enclosed.

Deputy/Under Secretary/DDO

TO BE FILLED BY CSIR-Audit (EMR III)

MBR No. _____ Dated: _____ Pay Rs. _____ (Rupees: _____)

Dealing Assistant

SO (F&A)/F&AO/DyFA

Rs _____ paid vide Cheque No _____ Dated _____ through NEFT/RTGS



COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH
HUMAN RESOURCE DEVELOPMENT GROUP
CSIR COMPLEX, OPP INSTITUTE OF HOTEL MANAGEMENT
LIBRARY AVENUE, PUSA, NEW DELHI- 110012, INDIA

Email: tgsmd[at]csirhrdg[dot]res[dot]in

| Phone: 0112584107

Symposia Grant Scheme for Organising Scientific Events (Symposia/
Seminars / ~~Conferences~~ / ~~workshops~~, etc. within India

AUDITED STATEMENT OF EXPENDITURE To be filled by the applicant in duplicate

Date: 31/01/2022

Reference: CSIR Sanction No: SYM/10689/21-HRD

Dated: November 25, 2021

1. Name of the Society / Organisation under whose auspices the Event was organized:
Kongu Engineering College, Perundurai, Erode Dt.-638 060, and Tamilnadu, India.
- 2 Title/Name of the Event: "Recent Research Trends in Renewable Energy Technologies"

3. Period:

From			To		
Date	Month	Year	Date	Month	Year
06	01	2022	07	01	2022

4. Grant Sanctioned: Rs.25, 000 (Rupees Twenty Five Thousand only)

5. Certified that out of Total Expenditure of Rs.25, 000 (Rupees Twenty Five Thousand) CSIR Grant of Rs. 25,000 (Rupees Twenty Five Thousand) has been utilized as per the details given below:

S. No	Budget Head	Amount (Rs)
i.	TA/DA	12,700
ii.	Pre-Conference printing (announcements, abstracts etc.)	4,343
iii.	Stationery	899
iv.	Secretarial Assistance	2,000
v.	Boarding and Lodging of delegates	4,050
vi.	Miscellaneous	1,008
vii.	Total (5 i to vi)	25,000

Certified by: (PLEASE ALL SIGNATURES ARE ON THIS PAGE ONLY)

Organizer:

Signature

Name: Dr.S.Albert Alexander

Designation: Associate Professor

Mobile no: 9865931597

E-mail ids: ootyalex@gmail.com

Seal / Stamp

Finance Officer/ Chartered Accountant

Signature

Name: Mr.C.Velumani

Designation: Chartered Accountant

Mobile no: ---

E-mail ids: veltaxes@gmail.com

Seal / Stamp

U.PIN: 22026921AEXOMFP284

C. VELUMANI, B.Sc., F.C.A.,

Chartered Accountant

33/1, Annamalai Layout,

Nalli Hospital Road, ERODE - 638 011.

M.No: 026921.

Co-ordinator

Signature

Name: D.Sarathkumar

Designation: Assistant Professor (Sr.Grade)

Mobile no: 9688427208

E-mail ids: dsarathkumareee@gmail.com

Seal / Stamp

DEPT. OF ELECTRICAL & ELECTRONICS ENG'G
KONGU ENGINEERING COLLEGE,
THOPPUPALAYAM (PO)
PERUNDURAI (TK), ERODE - 638 050

Head of Organisation

Signature

Name: Dr.V.Balusamy

Designation: Principal

Mobile no: 9942820583

E-mail ids: principal@kongu.ac.in

Seal / Stamp

PRINCIPAL

KONGU ENGINEERING COLLEGE

THOPPUPALAYAM (PO)

PERUNDURAI (TK), ERODE - 638 011.

TAMILNADU, INDIA



FORM GFR 19-A
FORM OF UTILISATION CERTIFICATE
(TO BE SUBMITTED IN DUPLICATE)

Name of the Institution **Kongu Engineering College (Autonomous), Perundurai-638 060, Erode, Tamilnadu**

Name of The Seminar **"Recent Research Trends in Renewable Energy Technologies"**

Venue **Homi J. Bhabha Seminar Hall,
School of Electrical Sciences,
Department of EEE,
Kongu Engineering College, Perundurai,
Erode-638 060** Date **06.01.2022 to 07.01.2022**

Sl no	Letter No.	Amount
1	SYM/10689/21-HRD, Dated: November 25, 2021	Rs.25,000

1. Certified that out of **Rs.25,000 (Rupees Twenty Five Thousand Only)** of grants-in-aid sanctioned during the year **2021-2022** in favour of **Principal Kongu Engineering College** under this Ministry/Department letter no. **(SYM/10689/21-HRD, Dated: November 25, 2021)** given above in the margin a sum of **Rs. 25,000 (Rupees Twenty Five Thousand)** has been utilized for the purpose of conducting **CSIR Sponsored Two Day National Level Seminar on "Recent Research Trends in Renewable Energy Technologies" (06.01.2022 to 07.01.2022)** for which it was sanctioned and that the balance for **Rs. Nil (Rupees Nil)** remaining unutilized is being returned to CSIR vide cheque/DD No **Nil** dated **Nil** drawn in favour of Under Secretary (EMR) CSIR Complex, New Delhi.

2. Certified that I have satisfied myself that the conditions on which the grants-in-aid was sanctioned have been duly fulfilled and that I have exercised the following checks to see that the money was actually utilized for purpose for which it was sanctioned.

(Kinds of checks exercised)

1. Vouchers
2. Cash/ bank books
3. Others

UGC-RAMAN RESEARCH FELLOW
ASSOCIATE PROFESSOR-EEE
Signature of Convener with seal
PERUNDURAI-638 060, ERODE

DR. P. BALASUBRAMANIE
REGISTRAR
KONGU ENGINEERING COLLEGE
THOPPUPALAYAM (Po)
PERUNDURAI, ERODE - 638 060.
TAMILNADU, INDIA.
Signature of Financial Officer with seal

17.2.22
Signature of Chartered Accountant with seal

UJIN: 22026921AexomF#254
C. VELUMANI, B.Sc., F.C.A.,
Chartered Accountant
33/1, Annamalai Layout,
Nalli Hospital Road, ERODE - 638 011.
M.No: 026921.

Signature of Head of the Institute with seal
(In case of University / Institution)

PRINCIPAL
KONGU ENGINEERING COLLEGE
THOPPUPALAYAM (PO)
PERUNDURAI (TK), ERODE - 638 060.
TAMILNADU, INDIA



KONGU ENGINEERING COLLEGE

(Autonomous)

PERUNDURAI - 638 060, ERODE DISTRICT,
TAMILNADU, INDIA.



School of Electrical Sciences
Department of Electrical and Electronics Engineering

CERTIFICATE

This is to certify that _____
of _____ has attended
the CSIR Sponsored Two Day National Level Seminar on **“Recent Research Trends in Renewable
Energy Technologies”** (06.01.2022 to 07.01.2022) at Kongu Engineering College, Perundurai,
Erode District, Tamilnadu, India.

Convener

Coordinator

HOD / EEE

Principal



Above
₹. 20,000/-

KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE-638 060

AD - 12 - PC
REV 1
01.04.2021

PROGRAMME APPROVAL FORM

Proposal Tracking No. KEC/EER/2021-2022/12/0063.

Dept. Ref. No.: EE/2021-2022/005

Date: 16.12.2021

1.	Department:	ELECTRICAL AND ELECTRONICS ENGINEERING			
2.	a). Name of the Programme	DST SERB Sponsored two day Seminar on "Recent research trends in Intelligent Control techniques for microgrid and EV Technology"			
	b). Norms under which it is proposed	Sponsored Seminar - DST SERB			
3.	Dates:	From: 06.01.22	TO: 07.01.22	No. of Days	02
4.	Programme for:	Faculty ✓	Students ✓	Others (Specify) Research Scholars	
5.	Level:	State / National / International ✓		Association	Institution / Dept. / Cell / General
6.	Highlights of the Programme:	To disseminate the recent technological advancement in microgrids and electrical vehicles			

1. Proposed Invitees:

S. No.	Purpose	Chief Guest	Speakers / Jury	Trust Member Invitees
1	Resource Persons from academic, institutions, industry and govt. organizations		Speakers	
2				

2. Agenda: Programme Agenda / Schedule Enclosed : Yes / No

3. Expenditure:

S.No.	Purpose	Proposed	Revised	Actual	Remarks
1	Coordinator and admin teaching fee	1700			
2	Honorarium	16500			
3	Banner & Certificate	1300			
4	Course fee	6000			
5	Lunch and refreshments	12000			
6	Miscellaneous and Auditor fee	2500			
	Total	40,000/-			

4. Source Sanctioned Amount: Re. 50,000/-

Registration fee from participants: NIL

	Proposed	Actual
Budget Allotment	50,000	Sponsors - DST SERB
Balance Amt. Available	-	KEC - NIL
Expenses Proposed	40,000	Registration - NIL
Balance	10,000	< 20% to KEC

B. Sarath Kumar
Faculty (with Name)
D. Sarath Kumar
(D. SARATHICUMAR)

H.O.D
M. Srinivasan

CCO
16/12/21

PRINCIPAL
18.12.21

CORRESPONDENT

KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE- 638 060.

DATE : 19-1-2022

GRANT ACCOUNT SETTLEMENT FORM

1	Co-ordinator's Name & Designation	1) Dr. S. Albert Alexander, ASP/EEE 2) Dr. M. Srinivasan, APCSRM/EEE 3) Mr. D. Sarathkumar, APCSRM/EEE		
2	Department	Electrical and Electronics Engineering.		
3	Title of the Grant with Ref. No. and Date	Recent Research Trends in Intelligent Control Techniques for Microgrid and Electric Vehicle Technology, File Number: SSY/2021/000269 Dated: 16-DEC-2021		
4	Nature of Programme	R&D/Seminar/Symposium/Workshop/FDP/ Others (Pls Specify)		
5	Name of the Funding Agency	Science and Engineering Research Board (SERB)		
6	Date of Function / Event	06.01.2022 to 07.01.2022		
7	Programme approval No. & Date & Amount (Approved by Principal / Correspondent / Secretary)	EE/2021-2022/005, Dated: 16.12.2021 and Amount: Rs. 40000/-		
8	Total Grant Sanctioned (copy to be enclosed)	Rs. 50000/-		
9	Income from other sources (Registration Fee, Sponsor etc.,)	Rs. Nil		
10	Total Expenses	Rs. 50000/-		
11	Advance Amount Received & Date	Rs. 50000/- and date: 30/12/2021		
12	Balance Amount Claimed	Rs. Nil		
13	Balance Amount Remitted	Rs. Nil		
14	Receipt No. & Date	—		
15	Details of Amount Received from Funding Agency (copy to be enclosed)	1 st Installment / Date Rs. 50000/- 04.01.2022	2 nd Installment / Date —	3 rd Installment / Date —

S. Albert Alexander
Signature
(Dr. S. Albert Alexander)

A. S. L. G.
HOD

Shan
CCO(R&D)

REGISTRAR

PRINCIPAL

D. Sarath
19/1/2022
D. SARATHKUMAR
APCSR/EEE



KONGU ENGINEERING COLLEGE (AUTONOMOUS)
PERUNDURAI, ERODE 638 060 TAMILNADU



DST (SERB) Sponsored National Level Seminar on
“Recent research Trends in Intelligent Control Techniques for Microgrid and Electric Vehicles Technology”
(06.01.2022 to 07.01.2022)

Event Schedule

Date/Day	Time	Title of the talk		Resource Persons
06.01.2022 (Thursday)	8.30 a.m to 09.00 a.m	REGISTRATION BY THE PARTICIPANTS		
	9.00 a.m to 09.30 a.m	➤ Inaugural address	function and chief guest	Yuvaraj Moorthy.S, Associate General Manager-Central Technical Marketing, Strategy and Technology, Schneider Electric India Pvt. Ltd., Mylapore, Chennai-600 004. E-Mail: yuvaraj.moorthy@schneider-electric.com Mobile: 9600010585
	SESSION I 9.30 a.m to 11.00 a.m	➤ Microgrid configurations, control, synchronization and their applications.		Yuvaraj Moorthy.S, Associate General Manager-Central Technical Marketing, Strategy and Technology, Schneider Electric India Pvt. Ltd., Mylapore, Chennai-600 004. E-Mail: yuvaraj.moorthy@schneider-electric.com Mobile: 9600010585
	11.00 a.m to 11.15 a.m	Tea/Coffee Break		
	SESSION II 11.15 a.m to 12.45 p.m	➤ Sustainable, resilient and reliable Energy as a Service.	-	Yuvaraj Moorthy.S, Associate General Manager-Central Technical Marketing, Strategy and Technology, Schneider Electric India Pvt. Ltd., Mylapore, Chennai-600 004. E-Mail: yuvaraj.moorthy@schneider-electric.com Mobile: 9600010585
	12.45 p.m to 01.45 p.m	Lunch Break		
	SESSION III 01.45 p.m to 03.15 p.m	➤ IOT for Microgrid and Electric Vehicles Technology.		Dr.C.Maheswari, M.E., Ph.D., Associate Professor, Department of Mechatronics Engineering, Kongu Engineering College, Perundurai 638 060, Erode. E-Mail: maheswari@kongu.ac.in, Mobile No.: 9865210838
	03.15 p.m to 03.30 p.m	Tea/Coffee Break		
	SESSION IV 3.30 p.m to 05.00 p.m	➤ Power sharing control in DC and AC microgrids.		Mr.D.Sarathkumar M.E., Assistant Professor (Senior Grade), Department of Electrical & Electronics Engineering, Kongu Engineering College, Perundurai 638 060, Erode district, Tamilnadu, India. Mobile: 9688427208, E-Mail: dsarathkumareee@gmail.com

07.01.2022 (Friday)	SESSION I 09.00 a.m to 10.30 a.m	> Intelligent control techniques and design of autonomous microgrid.	Dr.Manikandan, P., M.E., Ph.D., Assistant Professor, Department of Electrical & Electronics Engineering, CHRIST (Deemed to be University), Bangalore Kengeri Campus, Bengaluru - 560029, Karnataka. E-Mail: manikandan.p@christuniversity.in Mobile No: 8904191138
	10.30 a.m to 10.45 a.m		Tea/Coffee Break
	SESSION II 10.45 a.m to 12.15 p.m	> Design of converter for DC microgrid	Dr.S.Albert Alexander, Ph.D., PDF (USA), SMIEEE, UGC - Raman Research Fellow, Associate Professor Department of Electrical and Electronics Engineering Kongu Engineering College, Perundurai 638 060, Erode. E-Mail: ootyalex@gmail.com, Mobile No.: 98659 31597
	12.15 p.m to 01.15 p.m		Lunch Break
	SESSION III 01.15 p.m to 02.45 p.m	> Electric vehicles charging. > Role of Electric Vehicles for Rural and Urban Development.	Mr.M.Sabarimuthu M.E., (Ph.D), Assistant Professor (Senior Grade), Department of Electrical and Electronics Engineering, Kongu Engineering College, Erode-638060. Mobile: 9698730083 E-mail: ceesabari@kongu.ac.in, ceesabari.eee@kondu.edu
	02.45 p.m to 03.00 p.m		Tea/Coffee Break
	SESSION IV 03.00 p.m to 04.30 p.m	> Power electronic converters in microgrid applications.	Dr.S.Albert Alexander, Ph.D., PDF (USA), SMIEEE, UGC - Raman Research Fellow, Associate Professor Department of Electrical and Electronics Engineering Kongu Engineering College, Perundurai 638 060, Erode. E-Mail: ootyalex@gmail.com, Mobile No.: 98659 31597
	04.30 p.m to 05.00 p.m	Panel Discussion Feedback from the participants Valedictory function	

D. Sarath
4/1/2022
Course Coordinator

(D. Sarath Kumar)

Dr. S. Albert Alexander
Course Convener

A. S. L.
HOD/EEE

DEPT. OF ELECTRICAL & ELECTRONICS ENGG
KONGU ENGINEERING COLLEGE,
THOPPUPALAYAM (PO)
PERUNDURAI (TK), ERODE - 638 060

DR. ALBERT ALEXANDER, Ph.D., PDF (USA), SMIEEE,
UGC - RAMAN RESEARCH FELLOW
ASSOCIATE PROFESSOR-EEE
KONGU ENGINEERING COLLEGE
PERUNDURAI-638 060, ERODE.

DEPT. OF ELECTRICAL & ELECTRONICS ENGG
KONGU ENGINEERING COLLEGE
THOPPUPALAYAM (PO)
PERUNDURAI, ERODE - 638 060

KONGU ENGINEERING COLLEGE, PERUNDURAI 638 060
SCHOOL OF ELECTRICAL SCIENCES
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING



DST (SERB) Sponsored Two day National level Seminar on
"Recent Research Trends in Intelligent Control Techniques for
Microgrid and Electric Vehicles Technology"
(06.01.2022 to 07.01.2022).



ATTENDANCE SHEET

S. No.	Name and Address of the Participants	06.01.2022		07.01.2022	
		FN	AN	FN	AN
1.	Arunkumar.S, Assistant Professor, Mechanical Engineering, Nandha College of Technology Erode and Tamilnadu.	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
2.	Pon.Maheskumar, Assistant Professor, Mechanical Engineering, Nandha College of Technology, Erode and Tamilnadu.	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
3.	Hemalatha M, Research Scholar, Electrical and Electronics Engineering, Bannari Amman Institute of Technology, Erode and Tamilnadu.	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
4.	Major Dr.P.S.Raghavendran, Associate Professor, Department of Electrical and Electronics Engineering, Kongu Engineering College, Perundurai, Erode-638 060, Tamilnadu, India.	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
5.	Raymon Antony Raj, Full time research scholar, Department of Electrical and Electronics Engineering, Kongu Engineering College, Perundurai, Erode-638 060, Tamilnadu, India.	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
6.	Mr.Harish.R, Senior Research Fellow, Department of Electrical and Electronics Engineering, Kongu Engineering College, Perundurai, Erode-638 060, Tamilnadu, India.	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
7.	Sankaranarayanan.R, TBI@ Kongu Engineering College, Perundurai, Erode-638 060, Tamilnadu, India.	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
8.	Dr.K.Prithivi, Assistant Professor (Senior Grade), Department of Electrical and Electronics Engineering, Kongu Engineering College, Perundurai, Erode-638 060, Tamilnadu, India.	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
9.	S.Chandrasekar, Assistant Professor (Senior Grade), Department of Electrical and Electronics Engineering, Kongu Engineering College, Perundurai, Erode-638 060, Tamilnadu, India.	<i>[Signature]</i> 6/1/22	<i>[Signature]</i> 6/1/22	<i>[Signature]</i> 7/1/22	<i>[Signature]</i> 7/1/22
10.	K.Ranjith Kumar, Assistant Professor (Senior Grade), Department of Electrical and Electronics Engineering, Kongu Engineering College, Perundurai, Erode-638 060, Tamilnadu, India.	<i>[Signature]</i> 6/1	<i>[Signature]</i> 6/1	<i>[Signature]</i> 7/1	<i>[Signature]</i> 7/1

S. No.	Name and Address of the Participants	06.01.2022		07.01.2022	
		FN	AN	FN	AN
11.	Dr.V.Surendar, Assistant Professor (Senior Grade), Department of Electrical and Electronics Engineering, Kongu Engineering College, Perundurai, Erode-638 060, Tamilnadu, India.				
12.	S.K.Logesh, Assistant Professor (Senior Grade), Department of Electrical and Electronics Engineering, Kongu Engineering College, Perundurai, Erode-638 060, Tamilnadu, India.				
13.	V.Gowri Shankar, Assistant Professor (Senior Grade), Department of computer technology, Kongu Engineering College, Perundurai, Erode-638 060, Tamilnadu, India.				
14.	M.Sabarimuthu, Assistant Professor (Senior Grade), Department of Electrical and Electronics Engineering, Kongu Engineering College, Perundurai, Erode-638 060, Tamilnadu, India.				
15.	K.Kavin Mullai, Assistant Professor (Senior Grade), Department of Electrical and Electronics Engineering, Kongu Engineering College, Perundurai, Erode-638 060, Tamilnadu, India.				
16.	R.Sasikala, Assistant Professor (Senior Grade), Electronics & Instrumentation Engineering, Kongu Engineering College, Perundurai, Erode-638 060, Tamilnadu, India.				
17.	Dr.N.Priyadharshini, Assistant Professor (Senior Grade), Department of Electrical and Electronics Engineering, Kongu Engineering College, Perundurai, Erode-638 060, Tamilnadu, India.				
18.	R.Ranjith Kumar, Assistant Professor (Senior Grade), Department of Electrical and Electronics Engineering, Kongu Engineering College, Perundurai, Erode-638 060, Tamilnadu, India.				
19.	V.Kumaresan, Assistant Professor (Senior Grade), Department of Electrical and Electronics Engineering, Kongu Engineering College, Perundurai, Erode-638 060, Tamilnadu, India.				
20.	M.Suresh, Assistant Professor (Senior Grade), Department of Electrical and Electronics Engineering, Kongu Engineering College, Perundurai, Erode-638 060, Tamilnadu, India.				
21.	P.Karthikeyan, Assistant Professor (Senior Grade), Department of Electrical and Electronics Engineering, Kongu Engineering College, Perundurai, Erode-638 060, Tamilnadu, India.				
22.	P.Gowri shankar, Assistant Professor, Department of Electrical and Electronics Engineering, Kongu Engineering College, Perundurai, Erode-638 060, Tamilnadu, India.				
23.	Dr.A.Sivakumar, Associate Professor, Department of Mechanical Engineering, Kongu Engineering College, Perundurai, Erode-638 060, Tamilnadu, India.				

S. No.	Name and Address of the Participants	06.01.2022		07.01.2022	
		FN	AN	FN	AN
24.	Dr Ganesh RM, Assistant Professor (SG), Electronics and Communication Engineering, Nandha Engineering College, Erode, Tamil Nadu	Ganesh	Ganesh	Ganesh	Ganesh
25.	Ramachandran G, Assistant professor/ECE, Vinayaka Mission's Kirupananda Variyar Engineering College, Tamilnadu	P. Tharun	P. Tharun	P. Tharun	P. Tharun
26.	Shobana S, Full Time Research Scholar/EEE, Vivekanandha College of Engineering for Women(Autonomous), Namakkal, TamilNadu	Shobana	Shobana	Shobana	Shobana
27.	Sathyasree K, Assistant Professor, Electrical and Electronics Engineering, Nandha Engineering College, Erode & Tamilnadu	dhya	dhya	dhya	dhya
28.	Vijayalakshmi R, Assistant Professor, Electrical and Electronics Engineering, Nandha Engineering College, Erode & Tamilnadu.	vijaya	vijaya	vijaya	vijaya
29.	B.Ravisankar, Assistant Professor (Senior Grade), Department of computer technology, Kongu Engineering College, Perundurai, Erode-638 060, Tamilnadu, India.	B. Ravi	B. Ravi	B. Ravi	B. Ravi
30.	A.Balaji, Assistant Professor (Senior Grade), Department of Mechatronics Engineering, Kongu Engineering College, Perundurai, Erode-638 060, Tamilnadu, India.	Balaji	Balaji	Balaji	Balaji
31.	S.Jegan, Assistant Professor (Senior Grade), Electronics & Instrumentation Engineering, Kongu Engineering College, Perundurai, Erode-638 060, Tamilnadu, India.	S. Jegan	S. Jegan	S. Jegan	S. Jegan
32.	Mr.A.Jeevanantham, Assistant Professor, Information Technology, Kongu Engineering College, Perundurai, Erode-638 060, Tamilnadu, India.	A. Jeevanantham	A. Jeevanantham	A. Jeevanantham	A. Jeevanantham
33.	Dr. T. Logeswaran Associate professor / EEE Kongu Engineering College	T. Logeswaran	T. Logeswaran	T. Logeswaran	T. Logeswaran
34.	Dr. K. Manjula Rani Associate professor / Chemistry Kongu Engineering College	K. Manjula Rani	K. Manjula Rani	K. Manjula Rani	K. Manjula Rani
35.	R. TAMILSAI ASSISTANT PROFESSOR / CHEMISTRY KONGU ENGINEERING COLLEGE	R. Tamsai	R. Tamsai	R. Tamsai	R. Tamsai
36.	K. KRISHNARENI, ASSISTANT PROF/ CHEMISTRY KONGU ENGINEERING COLLEGE	K. Krishnareni	K. Krishnareni	K. Krishnareni	K. Krishnareni
37.					

Dr. S. Albert Alexander
Course Convener

P. Sarath Kumar
Course Coordinator

A. S. Lakshmi
HoD/EEE - 1/1/22

Dr. S. ALBERT ALEXANDER, Ph.D., Prof (USA), SMIEEE,
UGC- RAMAN RESEARCH FELLOW
ASSOCIATE PROFESSOR-EEE
KONGU ENGINEERING COLLEGE
PERUNDURAI-638 060, ERODE.

(D. SARATHI KUMAR)

DEPT. OF ELECTRICAL & ELECTRONICS ENGG.
KONGU ENGINEERING COLLEGE,
THOPPUPALAYAM (PO)
PERUNDURAI (TK), ERODE - 638 060

HEAD
DEPT. OF ELECTRICAL & ELECTRONICS ENGG
KONGU ENGINEERING COLLEGE
THOPPUPALAYAM (PO)
PERUNDURAI, ERODE - 638 060

OBJECTIVE:

Recently there has been growing interest in renewable energy and it has become one of the primary sources of energy generation. The biggest concern in the field of renewable energy is power generation depending on natural resources that are uncontrollable by humans. Due to uncontrollable and uncertainty in energy, production in renewable energy technologies is making integration more complex. Also, there are several technical challenges with Renewable Energy Resources (RES), such as availability of power, power quality issues, resource location, information barrier and cost issues. All these challenges with RES can be addressed by microgrid system due to its ability during utility grid disturbances, to separate and isolate itself from utility seamlessly with little or no disruption to the load within the microgrid. Due to the recent developments in power electronics, the proliferation of DC nature electrical loads, renewable energy sources and energy storage devices, research focused on both the system and component levels of modelling, control and stability of structured microgrids. New high-efficiency topologies and protections are also key nontrivial issues when developing practical microgrids. Electric Vehicles (EV) are emerging as the option for clean mobility across the world. The EV ecosystem brings together three industry verticals who traditionally have not worked together. EVs need Automobile industry to modify the vehicles to use Batteries and new connected vehicle technologies. Power industry needs to gear up to fueling these EVs with electricity and they need to build Charging infrastructure across the highways, malls and workplaces. All these equipment are IOT enabled and connected so both telecom connectivity (4G/5G) along with Digital tech like Cloud, Data and analytics become essential for accelerating EV adoption.

For this reason, the objective of this course is to disseminate the recent technological advancement in microgrids and distribution systems from both academia and industry. The solutions using advanced technologies/ methodologies will also be discussed.

Topics to be covered:

- Microgrid configurations, control, synchronization and their applications.
- Reconfiguration of distribution system network in presence of large penetration of renewable generation into the system.
- Intelligent energy management systems.
- Power electronic converters in microgrid applications.
- Power sharing control in DC and AC microgrids.
- Control techniques and design of autonomous microgrid.
- Design of converter for DC microgrid.
- Simulation and analysis of hybrid and electric vehicles.
- Electric vehicles charging.
- Role of Electric Vehicles for Rural and Urban Development.

TARGET AUDIENCE:

Faculty members working from Engineering, Arts and Polytechnic Colleges, Research scholars, PG Students, Industry Persons from relevant background of Sciences and Engineering.

FACULTY:

Sessions will be handled by experienced faculty members from reputed institutions and Experts from Industry Fields.

BOARDING AND LODGING:

Accommodation and boarding will be provided in the college campus to all the participants.

REGISTRATION FEE DETAILS:

No registration fee for all the participants. Registration is limited to 50 participants and selected on first-come-first serve basis.

HOW TO APPLY:

The applicants should fill the below Google form link and upload their scanned copy of application in the specified format with their Principal / Sponsor signature with seal. (Note: Without Principal / Sponsor signature and uploading mismatched file is not allowed to attend the seminar).

Google form link:

<https://forms.gle/jmjEdDe52BEHj5md6>

SCHEDULED DATES:

Last date for receipt of Applications:	31.12.2021
Intimation of Selection :	01.01.2022
Confirmation by participants :	02.01.2022

**KONGU ENGINEERING COLLEGE
(AUTONOMOUS)
PERUNDURAI, ERODE 638 060
TAMILNADU**

**DST (SERB) Sponsored
Two day National level**

Physical Mode Seminar on

**“Recent research Trends in Intelligent
Control Techniques for Microgrid and
Electric Vehicles Technology”
(06.01.2022 to 07.01.2022)**

APPLICATION FORM

Name :
Designation :
Organization :
Gender :
Age :
Educational Qualification:
Address for :
Communication

Mobile Number :
E-mail ID :
Experience :
Teaching : _____ years
Others (Specify) : _____ years
Need Accommodation : YES / NO
Signature :

DECLARATION

The above information is true to the best of my knowledge. I agree to abide by the rules and regulations governing the course. If selected, I shall attend the programme for the entire duration. I also undertake the responsibility to inform the Coordinator in case I am unable to attend the course.

Place:

Date: Signature of the Applicant

SPONSORSHIP CERTIFICATE

Mr/Ms/Dr _____

is an employee of our Institute / Organization and is hereby sponsored. He/She will be permitted to attend the programme in full, if selected.

Place: Signature of the Sponsoring Authority

Date: Office Seal

For any queries contact:

Dr.S.Albert Alexander Ph.D., PDF (USA)., SMIEEE.,

Convener

DST (SERB) Sponsored
Two day National level

Physical Mode Seminar on

“Recent research Trends in Intelligent Control Techniques for Microgrid and Electric Vehicles Technology”

Department of EEE

Kongu Engineering College

Perundurai Erode-638 060 TamilNadu

Contact Mobile –9688427208, 9865931597

E-mail: ootyalex@gmail.com,

dsarathkumareee@gmail.com

ABOUT THE COLLEGE

Kongu Engineering College (KEC) established in 1984, approved by AICTE, New Delhi, accredited by NAAC for 5 years with the grade of “A” and an autonomous institution affiliated to Anna University Chennai, has completed 37 years of dedicated and excellent service in the field of technical education. The college offers 14 UG, 19 PG and 16 research programmes in Engineering and Applied Sciences. It is one of the best self financing engineering colleges imparting high quality technical education in Tamil Nadu, India, and is well-known for its technical excellence, modern facilities, record of performance with excellent results and enterprising students. Ranked 1st Position in Tamilnadu and 39th position at all India level by “Outlook” magazine, 3rd Position in Tamilnadu and 32nd Position in private Engineering colleges in India by “The Week” Magazine. Ranked 135th position in private Engineering colleges in India by NIRF ranking. It has an active Industry- Institute Partnership (IIP) Cell to interact with industries. Received Sustainable Institute Industry Partnership Award consecutively for two years (2014 & 2015) from the Institution in Society for Educational and Entrepreneurship Development, Chennai. It has got NBA accreditation for most of the UG programmes and is an ISO certified institution. It has also got the Best Engineering College award and the Best Principal Award from ISTE. It has established a Technology Business Incubator (TBI) supported by the Department of Science and Technology, Government of India, and won the National Award presented by the President of India on Technology Day in New Delhi. Kongu Engineering College has been awarded as the Most Clean Campus for the Year 2017 by AICTE.

ABOUT THE DEPARTMENT

The Electrical and Electronics Engineering department occupies a prominent place in the chronicles of its academic history. The department has been consistently producing illustrious Engineering graduates of high caliber who occupy prestigious positions in the academic and industrial fields. The specialization of the faculty includes Power System Engineering, Power Electronics and drives, Energy Engineering, Applied Electronics, Control Systems, VLSI, Bio-Medical Engineering, Digital Signal Processing, Sensors and Networks, Computer Networks, Instrumentation and Control etc. The department offers four year UG programme in EEE and two year PG programme in Power Electronics and Drives. The department also carrying out many consultancy activities like energy auditing to many industries. EEE Department of Kongu Engineering College has bagged the National level award under the category “Best Industry linked Technical Institute for the Electrical Engineering stream”, on the survey organized jointly by AICTE and CII during June-July 2013, for the year 2012-13. Renewable Energy Research Centre has been established under Department of Science and Technology funded Rs.1 crore to conduct research in renewable energy and provide tangible outcome in the form of product development for the Academic year 2018-19.

ABOUT THE LOCATION

The college is situated at Perundurai on the National Highway (NH 47) about 80 km from Coimbatore and 20 km from Erode.



**DST (SERB)
Sponsored
Two Days
Physical Mode
Seminar on**



**“Recent research Trends in Intelligent Control Techniques for Microgrid and Electric Vehicles Technology”
(06.01.2022 to 07.01.2022)**

**Organizing Committee by
Convener**

Dr.S.Albert Alexander Ph.D., PDF (USA)., SMIEEE.,

UGC-Raman Research Fellow
Associate Professor / EEE

Co-Convener

**Dr.M.Srinivasan M.E., Ph.D.,
SERB TARE Research Fellow (IIT Madras)
Assistant Professor (Senior Grade) / EEE**

Coordinator

**Mr.D.Sarathkumar M.E.,
Assistant Professor (Senior Grade) / EEE**

Organized by
Department of Electrical and Electronics
Engineering
Kongu Engineering College
Perundurai – 638 060, Erode, TamilNadu

Tel: 04294-226538

Fax: 04294-220087

E-mail: ootyalex@gmail.com,
dsarathkumareee@gmail.com

Website: www.kongu.ac.in
www.ootyalex.webs.com

FILE NO. SSV/2021/000269
SCIENCE & ENGINEERING RESEARCH BOARD(SERB)
(a statutory body of the Department of Science & Technology, government of India)

Science and Engineering Research Board
3rd & 4th Floor, Block II
Technology Bhavan, New Mehrauli Road
New Delhi - 110016

Dated: 04 January, 2022

ORDER

Subject: Financial assistance for the organizing National Seminar on "Recent research Trends in Intelligent Control Techniques for Microgrid and Electric Vehicles Technology" by Dr. Albert Alexander, Kongu Engineering College ---, Perundurai, R.s. Road Perundurai, Erode, Tamil Nadu-638052 being held from 06-Jan-2022 to 07-Jan-2022 (2 days).

Sanction of **Science and Engineering Research Board (SERB)** is hereby accorded to the above mentioned project at a total cost of **Rs. 50000/- (Rs. Fifty Thousand Only)** to Kongu Engineering College ---, Perundurai, R.s. Road Perundurai, Erode, Tamil Nadu-638052 during the financial year 2021-2022 to meet the expenses related to TA/DA to Young and Senior Indian Scientists, Pre-conference printing in connection with the above event.

2. The amount of **Rs. 50000/- (Rs. Fifty Thousand Only)** will be drawn by Under Secretary, SERB and disbursed by the means of Cheque or Electronic Fund Transfer (NEFT/RTGS) as beneficiary's Bank Details given below.

PFMS Unique Code	KEC123
Account Name	KONGU ENGINEERING COLLEGE (SERB-1023)
Account Number	1247155000132771
Bank Name & Branch	Karur Vysya Bank Ltd Kongu Engineering College Campus, Thoppupalayam, Perundurai, Erode 638060. Phone: 04294 220612, 226761
IFSC/RTGS Code	KVBL0001247
Email id of A/C Holder	principal@kongu.ac.in
Email id of PI	ootyalex@gmail.com

to The Principal , Kongu Engineering College ---, Perundurai, R.S. Road Perundurai

3. The expenditure involved is debitable to **Fund for Science & Engineering Research (FSER)**
This release is being made under Seminar/Symposia. (Internal Committee)

4. The Sanction has been issued with the approval of competent authority under delegated powers and vide sanction number to Kongu Engineering College ---, Perundurai, R.S. Road Perundurai with the approval of the competent authority under delegated powers on **23 December, 2021** and vide Diary No. **SERB/F/6556/2021-2022** dated **03 January, 2022**

5. As per Rule 211(1) of GFRs, the accounts of the Grantee Institution shall be open to inspection by the sanctioning authority/audit whenever the institute is called upon to do so.

6. It is **mandatory** that the grantee institution is required to submit to this office, audited Statement of Income-Expenditure, Utilization Certificate (in duplicate as per prescribed format) and brief report of above event (max. 04 pages) within three months after the date of completion. .

7. The balance amount, if any, may be returned through DD in favor of "Fund for Science & Engineering Research" payable at New Delhi.

8. The Organization/Institute/University should ensure that the technical support/financial assistance provided to them by the Science and Engineering Research Board, a statutory body of the Department of Science and Technology (DST), Government of India should invariably be highlighted/acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report.

9. In addition, the investigator / host Institute must also acknowledge the support provided to them in all publications, patents and any other output emanating out of the project/program funded by the Science and Engineering Research Board, a statutory body of the Department of Science and Technology (DST), Government of India.

10. The logo of SERB is to be displayed on all Conferences / Seminars / Symposium material being used for the event.


(Dr. Sukumar Dey)

Scientist C


seminar.symposia@serb.gov.in

To,
Under Secretary
SERB, New Delhi

Copy forwarded for information and necessary action to: -

1.	The Principal Director of Audit, A.G.C.R. Building, IIIrd Floor I.P. Estate, Delhi-110002
----	---

2.	Sanction Folder, SERB , New Delhi.
3.	File Copy
4.	Dr. Albert Alexander ELECTRICAL AND ELECTRONICS ENGINEERING Kongu Engineering College --- , Perundurai, r.s. road perundurai, Erode, Tamil nadu-638052 Email: ootyalex@gmail.com Mobile: 919865931597 (Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please visit www.serb.gov.in .)
5.	The Principal , Kongu Engineering College ---, Perundurai, R.S. Road Perundurai (Receipt of Grant may be intimated by name to the undersigned)


 04/01/2022
 (Dr. Sukumar Dey)

Scientist C

seminar.symposia@serb.gov.in



KONGU ENGINEERING COLLEGE (AUTONOMOUS)
PERUNDURAI, ERODE 638 060 TAMILNADU



DST (SERB) Sponsored National Level Seminar on
“Recent research Trends in Intelligent Control Techniques for Microgrid and Electric Vehicles Technology”
(06.01.2022 to 07.01.2022)

Event Schedule


Date/Day	Time	Title of the talk	Resource Persons
06.01.2022 (Thursday)	8.30 a.m to 09.00 a.m	REGISTRATION BY THE PARTICIPANTS	
	9.00 a.m to 09.30 a.m	➤ Inaugural function and chief guest address	Yuvaraj Moorthy.S , Associate General Manager-Central Technical Marketing, Strategy and Technology, Schneider Electric India Pvt. Ltd., Mylapore, Chennai-600 004. E-Mail: yuvaraj.moorthy@schneider-electric.com
	SESSION I 9.30 a.m to 11.00 a.m	➤ Microgrid configurations, control, synchronization and their applications.	Yuvaraj Moorthy.S , Associate General Manager-Central Technical Marketing, Strategy and Technology, Schneider Electric India Pvt. Ltd., Mylapore, Chennai-600 004. E-Mail: yuvaraj.moorthy@schneider-electric.com
	11.00 a.m to 11.15 a.m	Tea/Coffee Break	
	SESSION II 11.15 a.m to 12.45 p.m	➤ Sustainable, resilient and reliable - Energy as a Service.	Yuvaraj Moorthy.S , Associate General Manager-Central Technical Marketing, Strategy and Technology, Schneider Electric India Pvt. Ltd., Mylapore, Chennai-600 004. E-Mail: yuvaraj.moorthy@schneider-electric.com
	12.45 p.m to 01.45 p.m	Lunch Break	
	SESSION III 01.45 p.m to 03.15 p.m	➤ IOT for Microgrid and Electric Vehicles Technology.	Dr.C.Maheswari, M.E., Ph.D. , Associate Professor, Department of Mechatronics Engineering, Kongu Engineering College, Perundurai 638 060, Erode. E-Mail: maheswari@kongu.ac.in
	03.15 p.m to 03.30 p.m	Tea/Coffee Break	
	SESSION IV 3.30 p.m to 05.00 p.m	➤ Power sharing control in DC and AC microgrids.	Mr.D.Sarathkumar M.E. , Assistant Professor (Senior Grade), Department of Electrical & Electronics Engineering, Kongu Engineering College, Perundurai 638 060, Erode district, Tamilnadu, India. E-Mail: dsarathkumaree@gmail.com

07.01.2022 (Friday)	SESSION I 09.00 a.m to 10.30 a.m	➤ Intelligent control techniques and design of autonomous microgrid.	Dr.Manikandan.P, M.E., Ph.D., Assistant Professor, Department of Electrical & Electronics Engineering, CHRIST (Deemed to be University), Bangalore Kengeri Campus, Bengaluru - 560029, Karnataka. E-Mail: manikandan.p@christuniversity.in
	10.30 a.m to 10.45 a.m	Tea/Coffee Break	
	SESSION II 10.45 a.m to 12.15 p.m	➤ Design of converter for DC microgrid	Dr.S.Albert Alexander, Ph.D., PDF (USA)., SMIEEE., UGC - Raman Research Fellow , Associate Professor Department of Electrical and Electronics Engineering Kongu Engineering College, Perundurai 638 060, Erode. E-Mail: ootyalex@gmail.com
	12.15 p.m to 01.15 p.m	Lunch Break	
	SESSION III 01.15 p.m to 02.45 p.m	➤ Electric vehicles charging. ➤ Role of Electric Vehicles for Rural and Urban Development.	Mr.M.Sabarimuthu M.E., (Ph.D)., Assistant Professor (Senior Grade), Department of Electrical and Electronics Engineering, Kongu Engineering College, Erode-638060. E-mail: eeesabari@kongu.ac.in, eeesabari.eee@kondu.edu
	02.45 p.m to 03.00 p.m	Tea/Coffee Break	
	SESSION IV 03.00 p.m to 04.30 p.m	➤ Power electronic converters in microgrid applications.	Dr.S.Albert Alexander, Ph.D., PDF (USA)., SMIEEE., UGC - Raman Research Fellow , Associate Professor Department of Electrical and Electronics Engineering Kongu Engineering College, Perundurai 638 060, Erode. E-Mail: ootyalex@gmail.com
	04.30 p.m to 05.00 p.m	Panel Discussion Feedback from the participants Valedictory function	

Event Highlights (Brief report with Photographs)
(Financial Assistance to Seminar)

SERB Sanction Order No: SSY/2021/000269, Sanction Date: 04 January, 2022

File Number: SSY/2021/000269, Dated: 16-Dec-2021

	<p>Convener Name : Dr.S.Albert Alexander Ph.D., PDF (USA), SMIEEE.,</p> <p>Designation : Associate Professor</p> <p>Department : Electrical and Electronics Engineering</p> <p>Institute Name & Address : Kongu Engineering College, Perundurai, Erode – 638060.Tamilnadu. India.</p>
---	---

1. Title of the Seminar:
“Recent Research Trends in Intelligent Control Techniques for Microgrid and Electric Vehicles Technology”
2. Duration / Period of the organized event : **06.01.2022 to 07.01.2022**
3. Grant Sanctioned : **Rs.50000/-(Rupees Fifty Thousand Only)**
4. Have you submitted the Utilization Certificate, Statement of Expenditure & Brief Report till date : **Yes**

5. Brief Summary of the event

A two day national seminar on “Recent Research Trends in Intelligent Control Techniques for Microgrid and Electric Vehicles Technology” has been successfully conducted on 6 and 7 th January 2021 with the financial support from SERB.

This seminar deliberated on the new emerging technologies in Intelligent Control Techniques for Microgrid and Electric Vehicles Technology. Recently there has been growing interest in renewable energy and it has become one of the primary sources of energy generation. The biggest concern in the field of renewable energy is power generation depending on natural resources that are uncontrollable by humans. Due to uncontrollable and uncertainty in energy, production in renewable energy technologies is making integration more complex. Also, there are several technical challenges with Renewable Energy Resources (RES), such as availability of power, power quality issues, resource location, information barrier and cost issues. All these challenges with RES can be addressed by microgrid system due to its ability during utility grid disturbances, to separate and isolate itself from utility seamlessly with little or no disruption to the load within the microgrid. Due to the recent developments in power electronics, the proliferation of DC nature electrical loads, renewable energy sources and energy storage devices, research focused on both the system and component levels of modelling, control and stability of structured microgrids. New high-efficiency topologies and protections are also key nontrivial issues when developing practical microgrids. Electric Vehicles (EV) are emerging as the option for clean mobility across the world. The EV ecosystem brings together three industry verticals who traditionally have not worked together. EVs need Automobile industry to modify the vehicles to use Batteries and new connected vehicle technologies. Power industry needs to gear up to fueling these EVs with electricity and they need to build Charging infrastructure across the highways, malls and workplaces. All these equipment are IOT enabled and connected so both telecom connectivity (4G/5G) along with Digital tech like Cloud, Data and analytics become essential for accelerating EV adoption.

For this reason, the objective of this course is to disseminate the recent technological advancement in microgrids and distribution systems from both academia and industry. The solutions using advanced technologies/ methodologies also discussed in this seminar.

Various topics such as

- Microgrid configurations, control, synchronization and their applications.
- Sustainable, resilient and reliable - Energy as a Service.
- IOT for Microgrid and Electric Vehicles Technology.
- Power sharing control in DC and AC microgrids.
- Intelligent control techniques and design of autonomous microgrid.
- Design of converter for DC microgrid
- Electric vehicles charging.
- Role of Electric Vehicles for Rural and Urban Development.

- Power electronic converters in microgrid applications were addressed during the program sessions with domain experts both internal and external from reputed Institutions.

List of Experts:

External:

- 1) Yuvaraj Moorthy.S, Associate General Manager-Central Technical Marketing, Strategy and Technology, Schneider Electric India Pvt. Ltd., Mylapore, Chennai-600 004.
E-Mail: yuvaraj.moorthy@schneider-electric.com
- 2) Dr.Manikandan.P, M.E., Ph.D., Assistant Professor, Department of Electrical & Electronics Engineering, CHRIST (Deemed to be University), Bangalore Kengeri Campus, Bengaluru - 560029, Karnataka.
E-Mail: manikandan.p@christuniversity.in

Internal:

- 1) Dr.C.Maheswari, M.E., Ph.D., Associate Professor, Department of Mechatronics Engineering, Kongu Engineering College, Perundurai 638 060, Erode.
E-Mail: maheswari@kongu.ac.in
- 2) Dr.S.Albert Alexander, Ph.D., PDF (USA), SMIEEE., UGC - Raman Research Fellow, Associate Professor Department of Electrical and Electronics Engineering, Kongu Engineering College, Perundurai 638 060, Erode.
E-Mail: ootyalex@gmail.com
- 3) Mr.M.Sabarimuthu M.E., (Ph.D), Assistant Professor (Senior Grade), Department of Electrical and Electronics Engineering, Kongu Engineering College, Erode-638060.
E-mail: eesabari@kongu.ac.in, eesabari.eee@kongu.edu
- 4) Mr.D.Sarathkumar M.E., Assistant Professor (Senior Grade), Department of Electrical & Electronics Engineering, Kongu Engineering College, Perundurai 638 060, Erode district, Tamilnadu, India.
E-Mail:dsarathkumareee@gmail.com

The copy of session schedule is enclosed for your kind reference.



KONGU ENGINEERING COLLEGE (AUTONOMOUS)
PERUNDURAI, ERODE 638 060 TAMILNADU



DST (SERB) Sponsored National Level Seminar on
"Recent research Trends in Intelligent Control Techniques for Microgrid and Electric Vehicles Technology"
(06.01.2022 to 07.01.2022)

Event Schedule

Date/Day	Time	Title of the talk	Resource Persons
06.01.2022 (Thursday)	8.30 a.m to 09.00 a.m	REGISTRATION BY THE PARTICIPANTS	
	9.00 a.m to 09.30 a.m	➤ Inaugural function and chief guest address	Yuvaraj Moorthy.S , Associate General Manager-Central Technical Marketing, Strategy and Technology, Schneider Electric India Pvt. Ltd., Mylapore, Chennai-600 004. E-Mail: yuvaraj.moorthy@schneider-electric.com
	SESSION I 9.30 a.m to 11.00 a.m	➤ Microgrid configurations, control, synchronization and their applications.	Yuvaraj Moorthy.S , Associate General Manager-Central Technical Marketing, Strategy and Technology, Schneider Electric India Pvt. Ltd., Mylapore, Chennai-600 004. E-Mail: yuvaraj.moorthy@schneider-electric.com
	11.00 a.m to 11.15 a.m	Tea/Coffee Break	
	SESSION II 11.15 a.m to 12.45 p.m	➤ Sustainable, resilient and reliable - Energy as a Service.	Yuvaraj Moorthy.S , Associate General Manager-Central Technical Marketing, Strategy and Technology, Schneider Electric India Pvt. Ltd., Mylapore, Chennai-600 004. E-Mail: yuvaraj.moorthy@schneider-electric.com
	12.45 p.m to 01.45 p.m	Lunch Break	
	SESSION III 01.45 p.m to 03.15 p.m	➤ IOT for Microgrid and Electric Vehicles Technology.	Dr.C.Maheswari, M.E., Ph.D. , Associate Professor, Department of Mechatronics Engineering, Kongu Engineering College, Perundurai 638 060, Erode. E-Mail: maheswari@kongu.ac.in
	03.15 p.m to 03.30 p.m	Tea/Coffee Break	
	SESSION IV 3.30 p.m to 05.00 p.m	➤ Power sharing control in DC and AC microgrids.	Mr.D.Sarathkumar M.E. , Assistant Professor (Senior Grade), Department of Electrical & Electronics Engineering, Kongu Engineering College, Perundurai 638 060, Erode district, Tamilnadu, India. E-Mail:dsarathkumareee@gmail.com

07.01.2022 (Friday)	SESSION I 09.00 a.m to 10.30 a.m	➤ Intelligent control techniques and design of autonomous microgrid.	Dr.Manikandan.P, M.E., Ph.D. , Assistant Professor, Department of Electrical & Electronics Engineering, CHRIST (Deemed to be University), Bangalore Kengeri Campus, Bengaluru - 560029, Karnataka. E-Mail: manikandan.p@christuniversity.in
	10.30 a.m to 10.45 a.m		Tea/Coffee Break
	SESSION II 10.45 a.m to 12.15 p.m	➤ Design of converter for DC microgrid	Dr.S.Albert Alexander, Ph.D., PDF (USA). , SMIEEE., UGC - Raman Research Fellow, Associate Professor Department of Electrical and Electronics Engineering Kongu Engineering College, Perundurai 638 060, Erode. E-Mail: ootyalex@gmail.com
	12.15 p.m to 01.15 p.m		Lunch Break
	SESSION III 01.15 p.m to 02.45 p.m	➤ Electric vehicles charging. ➤ Role of Electric Vehicles for Rural and Urban Development.	Mr.M.Sabarimuthu M.E., (Ph.D.) , Assistant Professor (Senior Grade), Department of Electrical and Electronics Engineering, Kongu Engineering College, Erode-638060. E-mail: eesabari@kongu.ac.in, eesabari.eee@kondhu.edu
	02.45 p.m to 03.00 p.m		Tea/Coffee Break
	SESSION IV 03.00 p.m to 04.30 p.m	➤ Power electronic converters in microgrid applications.	Dr.S.Albert Alexander, Ph.D., PDF (USA). , SMIEEE., UGC - Raman Research Fellow, Associate Professor Department of Electrical and Electronics Engineering Kongu Engineering College, Perundurai 638 060, Erode. E-Mail: ootyalex@gmail.com
	04.30 p.m to 05.00 p.m	Panel Discussion Feedback from the participants Valedictory function	

This seminar delivered knowledge to Energy engineering professionals, researchers in the field, and Post graduate students will find this seminar a useful starting point to understand the technologies and surrounding aspects involved in Microgrid and Electric Vehicles Technology. 36 participants from various institutions are benefited through this seminar. We sincerely thank SERB for financially supporting to organize the seminar on this important and fast growing field in Microgrid and Electric Vehicles Technology.

6. Event Highlights (Technical writing):

This seminar encouraged and sparked the interest to the researchers and industrial experts in the area of:

- ✓ Microgrid configurations, control, synchronization and their applications.
- ✓ Sustainable, resilient and reliable - Energy as a Service.
- ✓ IOT for Microgrid and Electric Vehicles Technology.
- ✓ Power sharing control in DC and AC microgrids.
- ✓ Intelligent control techniques and design of autonomous microgrid.
- ✓ Design of converter for DC microgrid
- ✓ Electric vehicles charging.
- ✓ Role of Electric Vehicles for Rural and Urban Development.
- ✓ Power electronic converters in microgrid applications were addressed during the program sessions with domain experts both internal and external from reputed Institutions.

Also, seminar throws a light on the area for further improvising research in Recent Research Trends in Intelligent Control Techniques for Microgrid and Electric Vehicles Technology for young researchers.

Participation Information:

S. No	Participation in the event	Nos. Only
I.	Key-note speakers	6
II.	Senior and Young Scientist	36
Total		42

Photographs Section: Please paste high resolutions photographs in given spaces below or send the same as attachments, in JPEG format only, by email to seminar.symposia@serb.gov.in.

1. Inaugural Session :



2. Group Photo:



3. Certificate Distribution:



4. Technical session:





Science and Engineering Research Board
(a statutory body of the Department of Science & Technology, Government of India)

Page | 1/2

Statement of Expenditure & Utilization Certificate

(Financial Assistance to Seminar / Symposia)

3 & 5A, LGF,
Vasant Square Mall
Sector-B, Pocket-S, Vasant Kung,
New Delhi - 110 070

SERB Sanction Order No: SSY/2021/000269, Sanction Date: 04 January, 2022

File Number: SSY/2021/000269, Dated: 16-Dec-2021

1. Name of Academic Institution under whose auspices the Seminar was organized:
Kongu Engineering College, Perundurai, Erode Dt.-638 060, Tamilnadu, India.
2. Title of the Seminar: **DST (SERB) Sponsored Two day National level Seminar on "Recent Research Trends in Intelligent Control Techniques for Microgrid and Electric Vehicles Technology" (06.01.2022 to 07.01.2022)**

3. Duration / Period of the organized event:

From			To		
Date	Month	Year	Date	Month	Year
06	01	2022	07	01	2022

4. Grant Sanctioned / Released:
Rs.50,000/- (Rupees Fifty Thousand Only)

5. Out of Total expenditure of **Rs.50,000/- (Rupees Fifty Thousand Only)** SERB Grant of **Rs.50,000/- (Rupees Fifty Thousand)** has been utilized as per the details given below:

S. No	Budget Head	Amount (Rs.)
1.	Domestic Travel for Young and Senior Scientists (Indian Only)	21,700
2.	Pre-Conference Printing (Announcements, abstracts etc.)	7,215
3.	Contingencies (Stationary items, Working Tea / Lunch, Audio-Visuals etc.)	11,949
4.	Printing of Proceedings	3,000
5.	Secretarial Assistance	2,000
6.	Local Hospitality	1,640
7.	Miscellaneous	2,496
Total Amount (Rs.)		50,000

6. Brief details of total income and expenditure:

Income (in Rs.)		Expenditure (in Rs.)	
1. By Registration	50,000	1. Domestic Travel for Young and Senior Scientists (Indian Only)	21,700
2. By Donations		2. Pre-Conference Printing (Announcements, abstracts etc.)	7,215
3. By advertisements		3. Contingencies (Stationary items, Working Tea / Lunch, Audio-Visuals etc.)	11,949
4. By Grant from SERB		4. Printing of Proceedings	3,000
5. By Other Funding Agencies		5. Secretarial Assistance	2,000
Total (in Rs.) (Rupees Fifty Thousand)	50,000	6. Local Hospitality	1,640
		7. Miscellaneous	2,496
		Total (in Rs.) (Rupees Fifty Thousand)	50,000

(Signature)
Signature of Convener
ALBERT ALEXANDER, Ph.D., IAS, IAS, IAS
UGC- RAMAN RESEARCH FELLOW
ASSOCIATE PROFESSOR-EEE
KONGU ENGINEERING COLLEGE

(Signature)
Signature of Coordinator
D. SARATHI KUMAR
DEPT. OF ELECTRICAL & ELECTRONICS ENL
KONGU ENGINEERING COLLEGE,
THOPPUPALAYAM (PO)
PERUNDURAI (TK), ERODE-638 060

NOTE: STATEMENT OF EXPENDITURE AND UTILIZATION CERTIFICATE, SCANNED COPIES, SHOULD BE UPLOADED (NOT JUST IT) SANCTIONED THROUGH ONLINE PROCESS AND ORIGINALS SHOULD BE SUBMITTED IN SERB OFFICE IN FORTUITOUS CASES.

FORM G.F.R. 19 A

UTILIZATION CERTIFICATE

(IN DUPLICATE)

SERB Sanction Order No:SSY/2021/000269, Sanction Date:04 January,2022

File Number: SSY/2021/000269, Dated: 16-Dec-2021

1. Certified that out of Rs.50000/- (Rupees Fifty Thousand Only) of grants-in-aid sanctioned during the year 2021-22 in favour of Kongu Engineering College (SERB-1023) vide SERB order No SSY/2021/000269 dated 04 January, 2022 has been utilized for the purpose of Two Day National Level Seminar on "Recent Research Trends in Intelligent Control Techniques for Microgrid and Electric Vehicles Technology" from 06.01.2022 to 07.01.2022 for which it was sanctioned and that the balance of Rs. Nil remaining unutilized at the end of the event has been surrendered to SERB (Vide Cheque/DD No Nil dated Nil).

2. Also certified that I have satisfied that the conditions on which the grants-in-aid was sanctioned have been fulfilled/are being fulfilled, and to see that the money was actually utilized for the purpose for which it was sanctioned.


Signature of Convener with Seal

USO- RAMAN RESEARCH FELLOW
ASSOCIATE PROFESSOR-EEE
KONGU ENGINEERING COLLEGE
PERUNDURAI-638 080, ERODE.

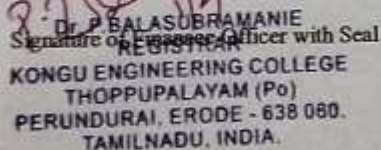
D. Sarath
31/1/2022

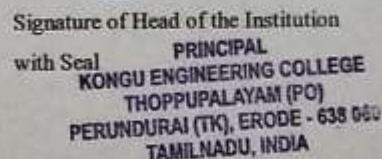
(D. SARATH KUMAR,

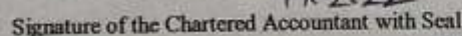
Assistant Professor (Senior Grade)

Signature of Coordinator with Seal

JEK-OF ELECTRICAL & ELECTRONICS EN
KONGU ENGINEERING COLLEGE,
THOPPUPALAYAM (PO)
PERUNDURAI (TK), ERODE - 638 080


Signature of Registrar with Seal
REGISTRAR
KONGU ENGINEERING COLLEGE
THOPPUPALAYAM (Po)
PERUNDURAI, ERODE - 638 080.
TAMILNADU, INDIA.


Signature of Head of the Institution
with Seal
PRINCIPAL
KONGU ENGINEERING COLLEGE
THOPPUPALAYAM (PO)
PERUNDURAI (TK), ERODE - 638 080
TAMILNADU, INDIA


Signature of the Chartered Accountant with Seal

UDIN: 22036921 ACXOYL 3654
C. VELUMANI, B.Sc., F.C.A.,
Chartered Accountant
33/1, Annamalai Layout,
Nalli Hospital Road, ERODE - 638 011.
M.No: 026921.

NOTE: STATEMENT OF EXPENDITURE AND UTILIZATION CERTIFICATE (CARBON COPIES, SHOULD BE UPLOADED ONLINE FIRST) IS SANCTIONED THROUGH ONLINE PROCESS AND ORIGINALS SHOULD BE SUBMITTED IN FURTHER OF FILL IN SHORTEST POSSIBLE TIME



KONGU ENGINEERING COLLEGE

(Autonomous)

PERUNDURAI - 638 060, ERODE DISTRICT,
TAMILNADU, INDIA.



School of Electrical Sciences

Department of Electrical and Electronics Engineering



CERTIFICATE

This is to certify that _____
of _____ has attended the
DST (SERB) Sponsored Two day National level Seminar on **“Recent Research Trends in Intelligent
Control Techniques for Microgrid and Electric Vehicles Technology”** (06.01.2022 to 07.01.2022)
at Kongu Engineering College, Perundurai, Erode District, Tamilnadu, India.

Convener

Coordinator

HOD / EEE

Principal



Transaction id: FPS EEE 2122120911
LS320/12 LC188/12

Above
₹. 20,000/-

KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE-638 060

PROGRAMME APPROVAL FORM

AD-12-PC
REV.1
01.04.2021

Proposal Tracking No. KES/SES/EEE/2021-2022/12/0058

Dept. Ref. No.: EE/2021-2022/004

Date: 08.12.2021

1.	Department:	ELECTRICAL AND ELECTRONICS ENGINEERING		
2.	a). Name of the Programme	ICSSR Sponsored three days Seminar on "Awareness Program on Possible Utilization of RES in agricultural applications for the benefit of Cauvery delta region farmers"		
	b). Norms under which it is proposed	Sponsored Seminar- ICSSR		
3.	Dates:	From: 20.01.22	TO: 22.01.22	No. of Days 03
4.	Programme for:	Faculty ✓	Students ✓	Others (Specify) farmers
5.	Level:	State / National / International ✓	Association	Institution / Dept. / Cell / General
6.	Highlights of the Programme:	To create awareness on the possible utilization of renewable energy systems for agricultural applications		

1. Proposed Invitees:

S. No.	Purpose	Chief Guest	Speakers / Jury	Trust Member Invitees
1	Resource persons		Speakers	
2	from academic institutions, industry & Govt. organizations			

2. Agenda: Programme Agenda / Schedule Enclosed : Yes / No

3. Expenditure:

S.No.	Purpose	Proposed	Revised	Actual	Remarks
1	Coordinator and non-teaching fee	2300			
2	Honorarium	42500			
3	Banner, letter pad, certificates, proceedings	5200			
4	Course kit	6500			
5	lunch, refreshment and food expenses for guest	20500			
6	Miscellaneous and auditor fee Total	3000			
		80,000			

4. Source Sanctioned Amount: Rs. 1,00,000/-

Registration fee from participants: NIL

Budget Allotment	Proposed	Actual
1,00,000		
Balance Amt. Available		
Expenses Proposed		
Balance		

1. B. Jothi 8/12/21
Faculty i/c (with Name)

(Dr. S. Albert Alexander)

2. D. Sarath 21/12/2021

(D. SARATH KUMAR)

H.O.D

CCO

PRINCIPAL

CORRESPONDENT

Secretary

KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE- 638 060.

DATE: 25/11/2022

GRANT ACCOUNT SETTLEMENT FORM

1	Co-ordinator's Name & Designation	1) Dr. S. Albert Alexander/ASP/EEE 2) Dr. M. Srinivasan/APCSRUI/EEE 3) Mr. D. Sarathkumar/APCSRUI/EEE		
2	Department	Electrical and Electronics Engineering		
3	Title of the Grant with Ref. No. and Date	ICSSR Sponsored three days national seminar on "Awareness Program on Possible Utilization of Renewable Energy Sources in Agriculture Application for the benefit of Cauvery Delta Region Farmers". Sanction File No: NSO3/042/NTS/2021-22, Dated: 29.11.2021		
4	Nature of Programme	R&D/Seminar/Symposium/Workshop/FDP/ Others (Pls Specify) Sponsored Seminar		
5	Name of the Funding Agency	INDIAN COUNCIL OF SOCIAL SCIENCE RESEARCH (ICSSR)		
6	Date of Function / Event	20.01.2022, 21.01.2022 and 22.01.2022 (3 Days)		
7	Programme approval No. & Date & Amount (Approved by Principal / Correspondent / Secretary)	DEPT. Ref. No: EE/2021-2022/004, Date: 08.12.2021, Amount: Rs. 80000/-		
8	Total Grant Sanctioned (copy to be enclosed)	Rs. 100000/-		
9	Income from other sources (Registration Fee, Sponsor etc.,)	Rs. Nil.		
10	Total Expenses	Rs. 100000/-		
11	Advance Amount Received & Date	Rs. 100000/- and Date: 19.01.2022		
12	Balance Amount Claimed	Rs. Nil		
13	Balance Amount Remitted	Rs. —		
14	Receipt No. & Date	—		
15	Details of Amount Received from Funding Agency (copy to be enclosed)	1st Installment / Date	2nd Installment / Date	3rd Installment / Date
		Rs. 75000/-/ 18.01.2022	Rs. 25000/- yet to be received on 2nd Installment	—

(Signature)
Signature
(Dr. S. Albert Alexander)

(Signature)
HOD

(Signature)
CCO(R&D)

REGISTRAR

PRINCIPAL

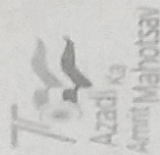
(Signature)
D. Sarathkumar
25/11/2022
(D. SARATHKUMAR
APCSRUI/EEE)



KONGU ENGINEERING COLLEGE (AUTONOMOUS)
PERUNDURAI, ERODE 638 060 TAMILNADU
INDIAN COUNCIL OF SOCIAL SCIENCE RESEARCH (ICSSR)

SPONSORED NATIONAL SEMINAR ON

**“AWARENESS PROGRAM ON POSSIBLE UTILIZATION OF RENEWABLE ENERGY
 SOURCES IN AGRICULTURAL APPLICATIONS FOR THE BENEFIT OF CAUVERY DELTA
 REGION FARMERS”**
(20.01.2022 to 22.01.2022)



EVENT SCHEDULE-SESSION-WISE PROGRAMME

Date/Day	Time	Title of the talk	Resource Persons
DAY 1 20/01/2022 (Thursday)	8.30 a.m to 09.00 a.m	REGISTRATION BY THE PARTICIPANTS	
	9.00 a.m to 09.30 a.m	Inaugural function and chief guest address	Dr.L.Ashok Kumar, Ph.D., PDF (USA), Indo US BHAVAN Research Fellow Professor, Department of Electrical and Electronics Engineering, PSG College of Technology, Coimbatore. E-Mail: askipsg@gmail.com
	SESSION I 9.30 a.m to 11.00 a.m	Design and sizing of wind energy based water-pumping system	Dr.L.Ashok Kumar, Ph.D., PDF (USA), Indo US BHAVAN Research Fellow Professor, Department of Electrical and Electronics Engineering, PSG College of Technology, Coimbatore. E-Mail: askipsg@gmail.com
	11.00 a.m to 11.15 a.m	Tea/Coffee Break	
	SESSION II 11.15 a.m to 12.45 p.m	Design and sizing of Solar PV based water-pumping system	Dr.L.Ashok Kumar, Ph.D., PDF (USA), Indo US BHAVAN Research Fellow Professor, Department of Electrical and Electronics Engineering, PSG College of Technology, Coimbatore. E-Mail: askipsg@gmail.com
	12.45 p.m to 01.45 p.m	Lunch Break	
	SESSION III 01.45 p.m to 03.15 p.m	Freedom struggle and sacrifice by our leaders	Major Dr.P.S.Raghavendran, M.E., Ph.D., Associate Professor and NCC Officer Kongu Engineering College Perundurai 638 060, Erode. E-Mail: kecncc@gmail.com
	03.15 p.m to 03.30 p.m	Tea/Coffee Break	

DAY 2 21/01/2022 (Friday)	SESSION IV 3.30 p.m to 05.00 p.m	Field visit to 3 kWp solar power plant	Dr.M.Srinivasan, M.E., Ph.D., DST-SERB TARE Research Fellow (IIT Madras), Assistant Professor (Senior Grade), & Mr. R. Harish, Senior Research Fellow, Department of Electrical and Electronics Engineering, Kongu Engineering College, Perundurai 638 060, Erode. E-Mail: msriniece@gmail.com, harish.27ec10@gmail.com
	SESSION I 09.00 a.m to 10.30 a.m	Energy Conservation practices for agricultural sector	Dr.S.Albert Alexander, Ph.D., PDF (USA), SMIEEE., UGC - Raman Research Fellow Associate Professor Department of Electrical and Electronics Engineering Kongu Engineering College, Perundurai 638 060, Erode. E-Mail: ootyalex@gmail.com
	10.30 a.m to 10.45 a.m	Tea/Coffee Break	
	SESSION II 10.45 a.m to 12.15 p.m	Biomass based trigeneration system for sustainable and inclusive growth of Cauvery delta farmers	Dr.D.Sakthivadivel, M.E., Ph.D., Assistant Professor (Senior Grade I) Department of Thermal and Energy Engineering Vellore Institute of Technology, Vellore 632 014. E-Mail: sakthivadivel.d@vit.ac.in
	12.15 p.m to 01.15 p.m	Lunch Break	
	SESSION III 01.15 p.m to 02.45 p.m	Waste to energy-Thermo chemical conversion of biomass	Dr.P.Venkatachalam, Ph.D., Former Professor, Tamil Nadu Agricultural University, Coimbatore Academic Director, MIT College of Agriculture and Technology, Musiri 621 211. E-Mail: pvenkat55@icloud.com
	02.45 p.m to 03.00 p.m	Tea/Coffee Break	
	SESSION IV 03.00 p.m to 04.30 p.m	Waste to energy-Biochemical conversion of biomass & Design of biomass plant	Dr.P.Venkatachalam, Ph.D., Former Professor, Tamil Nadu Agricultural University, Coimbatore Academic Director, MIT College of Agriculture and Technology, Musiri 621 211. E-Mail: pvenkat55@icloud.com

DAY 3 22/01/2022 (Saturday)	SESSION I 09.00 a.m to 10.30 a.m	Ideas@75 - Innovations and Ideas of India	Dr.R.Parameshwaran, M.E., Ph.D., Chief Coordinator-TBI @ KEC President, Institutions Innovation Council Kongu Engineering College Campus Perundurai 638 060, Erode. Email: paramesh_r@kongu.ac.in
	10.30 a.m to 10.45 a.m	Tea/Coffee Break	
	SESSION II 10.45 a.m to 12.15 p.m	Smart agriculture design for condition monitoring	Dr.Geetha Mani, M.E., Ph.D., Associate Professor Department of Control and Automation Vellore Institute of Technology, Vellore 632 014. E-Mail: geetha.mani@vit.ac.in
	12.15 p.m to 01.15 p.m	Lunch Break	
	SESSION III 01.15 p.m to 02.45 p.m	Hybrid energy based microgrid installation for agricultural applications	Mr.Raguram Arjunan, M.E., Founder and CEO Cares Renewables Private Limited, Vellakinar Pirivu Mettupalayam Road, G.N Mills Post, Coimbatore, 641 029. E-Mail: info@caresrenewables.com
	02.45 p.m to 03.00 p.m	Tea/Coffee Break	
	SESSION IV 03.00 p.m to 04.30 p.m	Hybrid energy based microgrid demonstration for agricultural applications	Mr.Raguram Arjunan, M.E., Founder and CEO Cares Renewables Private Limited, Vellakinar Pirivu Mettupalayam Road, G.N Mills Post, Coimbatore, 641 029. E-Mail: info@caresrenewables.com
	04.30 p.m to 05.00 p.m	Panel Discussion Feedback from the participants Valedictory function	

D. Sarath
 19/11/2022
 Course Coordinator

(D. Sarath Kumar, Assistant

Professor (SDC) / EEE.

DEPT. OF ELECTRICAL & ELECTRONICS ENGG
 KONGU ENGINEERING COLLEGE,
 THOPPUPALAYAM (PO)
 PERUNDURAI (TK) ERODE - 638 060

Dr. R. Mani
 Course Convener

DR. ALBERT ALEXANDER, PH.D., POF (USA), SMIEEE,
 UGC- RAMAN RESEARCH FELLOW
 ASSOCIATE PROFESSOR-EEE
 KONGU ENGINEERING COLLEGE
 PERUNDURAI-638 060, ERODE.

A. Subha
 HOD/EEE
 25/11

HEAD
 DEPT. OF ELECTRICAL & ELECTRONICS ENGG
 KONGU ENGINEERING COLLEGE
 THOPPUPALAYAM (PO)
 PERUNDURAI ERODE - 638 060.

OBJECTIVES:

Agriculture is the sole provider of human food. Most farm machines are driven by fossil fuels, which contribute to greenhouse gas emissions and, in turn, accelerate climate change. Such environmental damage can be mitigated by the promotion of renewable resources such as solar, wind, biomass, tidal, geo-thermal, small-scale hydro, biofuels and wave-generated power. These renewable resources have a huge potential for the agriculture industry. The farmers should be encouraged by subsidies to use renewable energy technology. The concept of sustainable agriculture lies on a delicate balance of maximizing crop productivity and maintaining economic stability, while minimizing the utilization of finite natural resources and detrimental environmental impacts. Sustainable agriculture also depends on replenishing the soil while minimizing the use of non-renewable resources, such as natural gas, which is used in converting atmospheric nitrogen into synthetic fertilizer, and mineral ores, e.g. phosphate or fossil fuel used in diesel generators for water pumping for irrigation. Hence, there is a need for promoting use of renewable energy systems for sustainable agriculture, e.g. solar photovoltaic water pumps and electricity, greenhouse technologies, solar dryers for post-harvest processing, and solar hot water heaters. In remote agricultural lands, the underground submersible solar photovoltaic water pump is economically viable and also an environmentally-friendly option as compared with a diesel generator set. If there are adverse climatic conditions for the growth of particular plants in cold climatic zones then there is need for renewable energy technology such as greenhouses for maintaining the optimum plant ambient temperature conditions for the growth of plants and vegetables. The economics of using greenhouses for plants and vegetables, and solar photovoltaic water pumps for sustainable agriculture and the environment are presented in this seminar. Clean development provides industrialized countries with an incentive to invest in emission reduction projects in developing countries to achieve a reduction in CO₂ emissions at the lowest cost. The mechanism of clean development is discussed in brief for the use of renewable systems for sustainable agricultural development specific to solar photovoltaic water pumps in India and the world. This seminar decimates in detail the role of renewable energy in farming by connecting all aspects of agronomy with ecology, the environment, economics and societal change.

The Government of India is celebrating 'Azadi Ka Amrit Mahotsav', an initiative to commemorate 75 years of progressive independent India and the glorious history of its people, culture and achievements. This Mahotsav is dedicated to the people of India who have been instrumental in bringing to India its evolutionary journey and those who envisioned a new India, energised by the spirit of Atmanirbhar Bharat. In order to celebrate our glorious past, during the conduct of the programme two presentations on the themes/sub-themes of 'Azadi ka Amrit Mahotsav' is included.

COURSE CONTENTS:

- ✓ Need for renewable energy sources for agriculture
- ✓ Design and sizing of Solar PV based water-pumping system
- ✓ Design and sizing of wind energy based water-pumping system
- ✓ Field visit to 3 kWp solar power plant
- ✓ Energy Conservation practices for agricultural sector
- ✓ Biomass based trigeneration system for sustainable and inclusive growth of Cauvery delta farmers
- ✓ Waste to energy-Biochemical and thermo chemical conversion of biomass
- ✓ Design of biomass plant
- ✓ Smart agriculture design for condition monitoring
- ✓ Hybrid energy based microgrid installation and demonstration for agricultural applications

Themes/sub-themes of 'Azadi ka Amrit Mahotsav':

- ✓ Freedom struggle and sacrifice by our leaders
- ✓ Ideas@75 - Innovations and Ideas of India

TARGET PARTICIPANTS:

This three days program is designed for Farmers, Researchers working in the field of Renewable Energy Sources, Faculty members from Technical & Higher Education Institutions / Universities (Government & Deemed Universities) and who are the key personnel to understand and acquire the skills in Utilization of Renewable Energy Sources in Agricultural Applications.

RESOURCE PERSONS:

Sessions will be handled by experts from Industries, leading academic organizations and Agriculture Research fields.

BOARDING AND LODGING:

Accommodation and boarding will be provided in the college campus to all the participants.

REGISTRATION DETAILS:

No registration fee for all the participants. Registration is limited to 60 participants and selected on first-come-first serve basis.

HOW TO APPLY

The applicants should fill the below Google form link and upload their scanned copy of application in the specified format with their Principal / Sponsor signature with seal.

Google form link:

<https://forms.gle/PwohZPvaNZRqTtMi8>

SCHEDULED DATES:

Last date for fill the Google form : 17.01.2022
Intimation of Selection : 18.01.2022
Confirmation by participants : 19.01.2022

KONGU ENGINEERING COLLEGE (AUTONOMOUS) PERUNDURAI, ERODE 638 060 TAMILNADU

Indian Council of Social Science Research (ICSSR)

Sponsored Three Days National Level

Physical Mode Seminar on

**“Awareness Program on Possible Utilization of
Renewable Energy Sources in Agricultural
Applications for the benefit of Cauvery Delta region
farmers”**

(20.01.2022 to 22.01.2022)

APPLICATION FORM

Name :

Designation :

Organization :

Gender :

Age :

Educational Qualification:

Address for :

Communication

Mobile Number :

E-mail ID :

Experience :

Teaching : _____ years

Others (Specify) : _____ years

Need Accommodation : YES / NO

Signature :

DECLARATION

The above information is true to the best of my knowledge. I agree to abide by the rules and regulations governing the course. If selected, I shall attend the programme for the entire duration. I also undertake the responsibility to inform the Coordinator in case I am unable to attend the course.

Place:

Date: Signature of the Applicant

SPONSORSHIP CERTIFICATE

Mr/Ms/Dr _____

is an employee of our Institute / Organization and is hereby sponsored. He/She will be permitted to attend the programme in full, if selected.

Place: Signature of the Sponsoring Authority

Date: Office Seal

For any queries contact:

Dr.S.Albert Alexander Ph.D.,PDF(USA),,

Associate Professor

Convener

ICSSR Sponsored Three Days National Level

Physical Mode Seminar on

“Awareness Program on Possible Utilization of Renewable Energy Sources in Agricultural Applications for the benefit of Cauvery Delta region farmers”

Department of EEE

Kongu Engineering College

Perundurai, Erode-638 060, Tamilnadu.

Contact Mobile – 9865931597, 9688427208

E-mail: ootyalex@gmail.com,

dsarathkumareee@gmail.com

Website: www.ootyalex.webs.com

ABOUT THE COLLEGE

Kongu Engineering College (KEC) established in 1984, approved by AICTE, New Delhi, accredited by NAAC for 5 years with the grade of “A” and an autonomous institution affiliated to Anna University Chennai, has completed 37 years of dedicated and excellent service in the field of technical education. The college offers 14 UG, 19 PG and 16 research programmes in Engineering and Applied Sciences. It is one of the best self-financing engineering colleges imparting high quality technical education in Tamil Nadu, India, and is well-known for its technical excellence, modern facilities, record of performance with excellent results and enterprising students. Ranked 1st Position in Tamilnadu and 39th position at all India level by “Outlook” magazine, 3rd Position in Tamilnadu and 32nd Position in private Engineering colleges in India by “The Week” Magazine. Ranked 165th position in private Engineering colleges in India by NIRF ranking. It has an active Industry-Institute Partnership (IIP) Cell to interact with industries. Received Sustainable Institute Industry Partnership Award consecutively for two years (2014 & 2015) from the Institution in Society for Educational and Entrepreneurship Development, Chennai. It has got NBA accreditation for most of the UG programmes and is an ISO certified institution. It has also got the Best Engineering College award and the Best Principal Award from ISTE. It has established a Technology Business Incubator (TBI) supported by the Department of Science and Technology, Government of India, and won the National Award presented by the President of India on Technology Day in New Delhi. Kongu Engineering College has been awarded as the Most Clean Campus for the Year 2017 by AICTE.

ABOUT THE DEPARTMENT

The Electrical and Electronics Engineering department occupies a prominent place in the chronicles of its academic history. The department has been consistently producing illustrious Engineering graduates of high caliber who occupy prestigious positions in the academic and industrial fields. The specialization of the faculty includes Power System Engineering, Power Electronics and drives, Energy Engineering, Applied Electronics, Control Systems, VLSI, Bio-Medical Engineering, Digital Signal Processing, Sensors and Networks, Computer Networks, Instrumentation and Control etc. The department offers four year UG programme in EEE and two year PG programme in Power Electronics and Drives. The department also carrying out many consultancy activities like energy auditing too many industries. EEE Department of Kongu Engineering College has bagged the National level award under the category “Best Industry linked Technical Institute for the Electrical Engineering stream”, on the survey organized jointly by AICTE and CII during June-July 2013, for the year 2012-13. Renewable Energy Research Centre has been established under Department of Science and Technology funded Rs.1 crore to conduct research in renewable energy and provide tangible outcome in the form of product development for the Academic year 2018-19.

ABOUT THE LOCATION

The college is situated at Perundurai on the National Highway (NH 47) about 80 km from Coimbatore and 20 km from Erode.



**ICSSR
Sponsored
National Level
Physical Mode
Seminar on**



**“Awareness Program on Possible Utilization of Renewable Energy Sources in Agricultural Applications for the benefit of Cauvery Delta region farmers”
(20.01.2022 to 22.01.2022)**

**Organizing Committee by
Convener**

**Dr.S.Albert Alexander Ph.D., PDF (USA),,
UGC-Raman Research Fellow
Associate Professor/EEE**

Co-Convener

**Dr.M.Srinivasan M.E., Ph.D.,
SERB TARE Research Fellow (IIT Madras)
Assistant Professor (Senior Grade)/EEE**

Coordinator

**Mr.D.Sarathkumar M.E.,
Assistant Professor (Senior Grade)/EEE**

Organized by
Department of Electrical and Electronics
Engineering
Kongu Engineering College
Perundurai – 638 060, Erode, Tamilnadu





INDIAN COUNCIL OF SOCIAL SCIENCE RESEARCH
(Ministry of Human Resource Development)
Post Box No. 10528, Aruna Asaf Ali Marg,
New Delhi-110067
Fax: 91-11-26712832

F.No.NS03/042/NIS/2021-22

Dated: 29.11.2021

The Principal
Kongu Engineering College,
Perundurai,
Erode Dt-638 060,
Tamil Nadu

Sanction Order

Subject: Sanction of Rs. 1,00,000 for organizing an national seminar on "Awareness Program on Possible Utilization of Renewable Energy Sources in Agricultural Applications for the benefit of Cauvery Delta Region Farmers".

Dear Sir,

Sanction of the Council is hereby accorded for the payment of Rs. 1, 00,000/- (Rupees one lakh only) to meet the expenditure on the above mentioned seminar organized by Dr. S. Albert Alexander to be held during 20-22 January, 2022.

The sanctioned amount will be released in two instalment as follows:

First instalment	Rs.	75,000/-
Second instalment	Rs.	25,000/-
Total	Rs.	1,00,000/-

The first instalment of Rs. 75,000/- will be released on receipt of the grant-in-aid bill & PFMS Form (copy enclosed) duly signed and stamped by the Competent Authority of the Institution/University/College.

The second instalment of Rs. 25,000/- will be released on receipt of the following documents that may please be submitted within two months after holding the seminar:

I. Two complete sets of Reports (hard bound copies) of the seminar/Conference that should necessarily constitute of the following:

- The List of the Actual Participants of the seminar.
- The exact titles & presenters of each of the session.
- 2-3 paragraphs write-up on seminar topic.
- Proceedings of Seminar.
- A note on the contribution of the seminar to the existing body of research.

II. The audited head-wise statement of accounts and utilization certificate in GFR (form 12A) (copy enclosed) for the entire expenditure incurred from the sanctioned amount. Both these needs to be duly certified by the Convener, Registrar/Principal, and the Finance Officer in case of the Central University or the Chartered Accountant in case of other institutions.

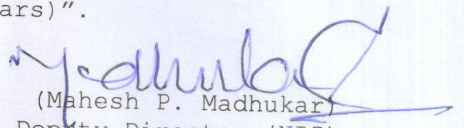
Kindly ensure that the Utilization Certificate and the Statement of Expenditure must be duly verified and properly stamped by the Principal/Registrar/Head of the Institution and the Finance Officer/Chartered Accountant as the case may be.

The above documents are mandatory requirement to settle the account and enable us to release the final installment.

The following are the other conditions that shall be complied with:

- The financial assistance should be utilized for the purpose for which it has been sanctioned.
- A part of the assistance is to be utilized for publication of the proceedings of the seminar
- On International travel (not more than 25% of the total budget) is to be allocated.
- Obtaining MEA Clearance wherever necessary is the responsibility of the organizers
- The amount sanctioned herein is to be utilized on the proposed conference only within the stipulated period.
- Any amount of the assistance remaining unspent during the current financial year shall be refunded to the ICSSR immediately after completion of the seminar/conference. If the organization do not refund the amount in time, it will be required to refund the amount of the grant with interest thereon @ 10% per annum from the date of release of grant from ICSSR.
- As per the directives from the Government of India, all the payment are to be made by e-payments only. Kindly furnish the information in the PFMS form duly verified by the administrative head of the Institution/University & College after ensuring that the account has been linked with the ICSSR.

The expenditure will be debited to the budget head "General (OH31) NIS- (International Seminars)".


(Mahesh P. Madhukar)
Deputy Director (NIS)
For Member Secretary

Copy for information and necessary action to:

✓ Dr. S. Albert Alexander
Associate Professor
Department of Electrical and Electronics Engineering,
Kongu Engineering College, Perundurai,
Erode Dt-638 060,
Tamil Nadu



KONGU ENGINEERING COLLEGE (AUTONOMOUS)
PERUNDURAI, ERODE 638 060 TAMILNADU
INDIAN COUNCIL OF SOCIAL SCIENCE RESEARCH (ICSSR)
SPONSORED NATIONAL SEMINAR ON
“AWARENESS PROGRAM ON POSSIBLE UTILIZATION OF RENEWABLE ENERGY
SOURCES IN AGRICULTURAL APPLICATIONS FOR THE BENEFIT OF CAUVERY DELTA
REGION FARMERS”
(20.01.2022 to 22.01.2022)



I) 2.The Exact Titles and Presenters of each of the session

EVENT SCHEDULE-SESSION-WISE PROGRAMME

Date/Day	Time	Title of the talk	Resource Persons
	8.30 a.m to 09.00 a.m	REGISTRATION BY THE PARTICIPANTS	
DAY 1 20/01/2022 (Thursday)	9.00 a.m to 09.30 a.m	Inaugural function and chief guest address	Dr.L.Ashok Kumar, Ph.D., PDF (USA)., Indo US BHAVAN Research Fellow Professor, Department of Electrical and Electronics Engineering, PSG College of Technology, Coimbatore. E-Mail: askipsg@gmail.com
	SESSION I 9.30 a.m to 11.00 a.m	Design and sizing of wind energy based water-pumping system	Dr.L.Ashok Kumar, Ph.D., PDF (USA)., Indo US BHAVAN Research Fellow Professor, Department of Electrical and Electronics Engineering, PSG College of Technology, Coimbatore. E-Mail: askipsg@gmail.com
	11.00 a.m to 11.15 a.m	Tea/Coffee Break	
	SESSION II 11.15 a.m to 12.45 p.m	Design and sizing of Solar PV based water-pumping system	Dr.L.Ashok Kumar, Ph.D., PDF (USA)., Indo US BHAVAN Research Fellow Professor, Department of Electrical and Electronics Engineering, PSG College of Technology, Coimbatore. E-Mail: askipsg@gmail.com
	12.45 p.m to 01.45 p.m	Lunch Break	
	SESSION III 01.45 p.m to 03.15 p.m	Freedom struggle and sacrifice by our leaders	Major Dr.P.S.Raghavendran, M.E., Ph.D., Associate Professor and NCC Officer Kongu Engineering College Perundurai 638 060, Erode. E-Mail: kecncc@gmail.com
	03.15 p.m to 03.30 p.m	Tea/Coffee Break	

	SESSION IV 3.30 p.m to 05.00 p.m	Field visit to 3 kWp solar power plant	Dr.M.Srinivasan, M.E., Ph.D., DST-SERB TARE Research Fellow (IIT Madras), Assistant Professor (Senior Grade), & Mr. R. Harish, Senior Research Fellow, Department of Electrical and Electronics Engineering, Kongu Engineering College, Perundurai 638 060, Erode. E-Mail: msriniee@gmail.com, harish.27ec10@gmail.com
DAY 2 21/01/2022 (Friday)	SESSION I 09.00 a.m to 10.30 a.m	Energy Conservation practices for agricultural sector	Dr.S.Albert Alexander, Ph.D., PDF (USA), SMIEEE., UGC - Raman Research Fellow Associate Professor Department of Electrical and Electronics Engineering Kongu Engineering College, Perundurai 638 060, Erode. E-Mail: ootyalex@gmail.com
	10.30 a.m to 10.45 a.m	Tea/Coffee Break	
	SESSION II 10.45 a.m to 12.15 p.m	Biomass based trigeneration system for sustainable and inclusive growth of Cauvery delta farmers	Dr.D.Sakthivadivel, M.E., Ph.D., Assistant Professor (Senior Grade 1) Department of Thermal and Energy Engineering Vellore Institute of Technology, Vellore 632 014. E-Mail: sakthivadivel.d@vit.ac.in
	12.15 p.m to 01.15 p.m	Lunch Break	
	SESSION III 01.15 p.m to 02.45 p.m	Waste to energy-Thermo chemical conversion of biomass	Dr.P.Venkatachalam, Ph.D., Former Professor, Tamil Nadu Agricultural University, Coimbatore Academic Director, MIT College of Agriculture and Technology, Musiri 621 211. E-Mail: pvenkat55@icloud.com
	02.45 p.m to 03.00 p.m	Tea/Coffee Break	
	SESSION IV 03.00 p.m to 04.30 p.m	Waste to energy-Biochemical conversion of biomass & Design of biomass plant	Dr.P.Venkatachalam, Ph.D., Former Professor, Tamil Nadu Agricultural University, Coimbatore Academic Director, MIT College of Agriculture and Technology, Musiri 621 211. E-Mail: pvenkat55@icloud.com

DAY 3 22/01/2022 (Saturday)	SESSION I 09.00 a.m to 10.30 a.m	Ideas@75 - Innovations and Ideas of India	Dr.R.Parameshwaran, M.E., Ph.D., Chief Coordinator-TBI @ KEC President, Institutions Innovation Council Kongu Engineering College Campus Perundurai 638 060, Erode. Email: paramesh_r@kongu.ac.in
	10.30 a.m to 10.45 a.m	Tea/Coffee Break	
	SESSION II 10.45 a.m to 12.15 p.m	Smart agriculture design for condition monitoring	Dr.Geetha Mani, M.E., Ph.D., Associate Professor Department of Control and Automation Vellore Institute of Technology, Vellore 632 014. E-Mail: geetha.mani@vit.ac.in
	12.15 p.m to 01.15 p.m	Lunch Break	
	SESSION III 01.15 p.m to 02.45 p.m	Hybrid energy based microgrid installation for agricultural applications	Mr.Raguram Arjunan, M.E., Founder and CEO Cares Renewables Private Limited, Vellakinar Pirivu Mettupalayam Road, G.N Mills Post, Coimbatore, 641 029. E-Mail: info@caresrenewables.com
	02.45 p.m to 03.00 p.m	Tea/Coffee Break	
	SESSION IV 03.00 p.m to 04.30 p.m	Hybrid energy based microgrid demonstration for agricultural applications	Mr.Raguram Arjunan, M.E., Founder and CEO Cares Renewables Private Limited, Vellakinar Pirivu Mettupalayam Road, G.N Mills Post, Coimbatore, 641 029. E-Mail: info@caresrenewables.com
	04.30 p.m to 05.00 p.m	Panel Discussion Feedback from the participants Valedictory function	

I) 3) 2-3 Paragraphs write-up on seminar topic

A Three Days National Level Physical Mode Seminar on “Awareness Program on Possible Utilization of Renewable Energy Sources in Agricultural Applications for the benefit of Cauvery Delta region farmers” (20.01.2022 to 22.01.2022) has been successfully conducted on 20th, 21th and 22th January 2022 with the financial support from ICSSR. Around 17 farmers from Cauvery Delta Region and 40 researchers, faculty members from various engineering colleges in and around Tamilnadu participated in this program and benefited. Dr.L.Ashok Kumar, Ph.D., PDF (USA), Professor, Department of EEE, PSG College of Technology, Coimbatore inaugurated the event. Dr.V.Balusamy, Principal, Kongu Engineering College felicitated the gatherings. Dr.A.Sheela, Associate Professor and Head, Department of EEE given the HOD address. Dr.S.Albert Alexander, Associate Professor given the welcome address and Finally Dr.M.Srinivasan, Assistant Professor (Senior Grade), Department of EEE given the vote of thanks. The event has provided the insights of the cutting edge technologies and recent innovations in Possible Utilization of Renewable Energy Sources in Agricultural Applications.

Inauguration and Group Photos of the seminar



This seminar decimated in detail the role of renewable energy in farming by connecting all aspects of agronomy with ecology, the environment, economics and societal change. Various topics such as

- ✓ Need for renewable energy sources for agriculture
- ✓ Design and sizing of Solar PV based water-pumping system
- ✓ Design and sizing of wind energy based water-pumping system
- ✓ Field visit to 3 kWp solar power plant
- ✓ Energy Conservation practices for agricultural sector
- ✓ Biomass based trigeneration system for sustainable and inclusive growth of Cauvery delta farmers
- ✓ Waste to energy-Biochemical and thermo chemical conversion of biomass
- ✓ Design of biomass plant
- ✓ Smart agriculture design for condition monitoring
- ✓ Hybrid energy based microgrid installation and demonstration for agricultural applications
- ✓ Themes/sub-themes of 'Azadi ka Amrit Mahotsav':
- ✓ Freedom struggle and sacrifice by our leaders
- ✓ Ideas@75 - Innovations and Ideas of India were addressed during the program sessions with domain experts both internal and external from reputed Institutions. The copy of session schedule is enclosed for your kind reference.

List of Experts:

External Experts:

- 1) **Dr.L.Ashok Kumar, Ph.D., PDF (USA),**
Indo US BHAVAN Research Fellow
Professor, Department of Electrical and Electronics Engineering,
PSG College of Technology, Coimbatore.
E-Mail: askipsg@gmail.com
- 2) **Dr.D.Sakthivadivel, M.E., Ph.D.,**
Assistant Professor (Senior Grade 1)
Department of Thermal and Energy Engineering
Vellore Institute of Technology, Vellore 632 014.
E-Mail: sakthivadivel.d@vit.ac.in
- 3) **Dr.P.Venkatachalam, Ph.D.,**
Former Professor, Tamil Nadu Agricultural University, Coimbatore
Academic Director, MIT College of Agriculture and Technology, Musiri 621 211.
E-Mail: pvenkat55@icloud.com
- 4) **Dr.Geetha Mani, M.E., Ph.D.,**
Associate Professor
Department of Control and Automation
Vellore Institute of Technology, Vellore 632 014.
E-Mail: geetha.mani@vit.ac.in
- 5) **Mr.Raguram Arjunan, M.E.,**
Founder and CEO
Cares Renewables Private Limited, Vellakinar Pirivu Mettupalayam Road,
G.N Mills Post, Coimbatore, 641 029.
E-Mail: info@caresrenewables.com

Internal Experts:

- 1) **Major Dr.P.S.Raghavendran, M.E., Ph.D.,**
Associate Professor and NCC Officer
Kongu Engineering College
Perundurai 638 060, Erode.
E-Mail: kecncc@gmail.com

- 2) **Dr.M.Srinivasan, M.E., Ph.D.,**
DST-SERB TARE Research Fellow (IIT Madras),
Assistant Professor (Senior Grade),
Department of Electrical and Electronics Engineering,
Kongu Engineering College, Perundurai 638 060, Erode.
E-Mail: msrinieeee@gmail.com
- 3) **Mr.R.Harish, Senior Research Fellow,**
Department of Electrical and Electronics Engineering,
Kongu Engineering College, Perundurai 638 060, Erode.
E-Mail: harish.27ec10@gmail.com
- 4) **Dr.S.Albert Alexander, Ph.D., PDF (USA), SMIEEE.,**
UGC - Raman Research Fellow,
Associate Professor,
Department of Electrical and Electronics Engineering,
Kongu Engineering College, Perundurai 638 060, Erode.
E-Mail: ootyalex@gmail.com
- 5) **Dr.R.Parameshwaran, M.E., Ph.D.,**
Chief Coordinator-TBI @ KEC
President, Institutions Innovation Council
Kongu Engineering College Campus
Perundurai 638 060, Erode.
Email: paramesh_r@kongu.ac.in

57 participants from various institutions in all over the country are benefited through this seminar. We sincerely thank ICSSR for financially supporting to organize the seminar on this important and latest topic in agriculture. Participants list and count is attached herewith for references.

Participation Information:

S. No	Participation in the event	Total No. of participants
I.	Farmers	17
II.	Researchers, Faculty Members	40
Total		57

S. No.	Name and Address of the Participants	20.01.2022		21.01.2022		22.01.2022	
		FN	AN	FN	AN	FN	AN
14.	Er.K.Boopan (FSD), SISCON PRODUCTS, MEPT Electrical Automation Pipes, 14, Teachers colony Road, Perundurai-638052, Erode District.	Boban	Boban	Boban	Boban	Boban	Boban
15.	V.R.Vellingiri, Assistant professor, Excel Engineering College, Komarapalayam, Namakkal District.	V.R.	V.R.	V.R.	V.R.	V.R.	V.R.
16.	Dr.P.Manju, Assistant Professor, Plant Nematology, Kumaraguru Institute Of Agriculture, Erode District.	P.Manju	P.Manju	P.Manju	P.Manju	P.Manju	P.Manju
17.	D.Kirthiga, Assistant Professor, Department of Chemistry, K.S.Rangasamy College of Technology, Tiruchengode- 637 215.	D.Kirthiga	D.Kirthiga	D.Kirthiga	D.Kirthiga	D.Kirthiga	D.Kirthiga
18.	K.Senthilkumar, Assistant Professor Electrical and Electronics Engineering, Tagore Institute of Engineering and Technology, Salem.	K.Senthilkumar	K.Senthilkumar	K.Senthilkumar	K.Senthilkumar	K.Senthilkumar	K.Senthilkumar
19.	Subramanian S, Assistant Professor, Electrical and Electronics Engineering, Tagore Institute of Engineering and Technology, Salem and Tamilnadu	S	S	S	S	S	S
20.	Dr.S.Jayanthi, Professor/EEE, Tagore Institute of Engineering and Technology, Salem Tamilnadu	S	S	S	S	S	S
21.	Krishnakumar, Assistant professor/Mechanical, JCT engineering college, Tamil nadu	K	K	K	K	K	K
22.	Rameshkumar S, Assistant professor, Agriculture Engineering, Excel Engineering College- komarapalayam. Namakkal and Tamilnadu	R	R	R	R	R	R
23.	Dr.S.Rajendran, Professor, Electrical and Electronics Engineering , Dhirajlal Gandhi College of Technology, Salem & Tamilnadu	S	S	S	S	S	S
24.	Dr.R.Manikandan, Assistant Professor, Electrical and Electronic Engineering, Dhirajlal Gandhi College of Technology, Salem.	R	R	R	R	R	R
25.	Dr.P.Selvakumar, Associate Professor , Electrical and Electronics Engineering, Dhirajlal Gandhi College of Technology , Salem and Tamilnadu	P	P	P	P	P	P
26.	Karthikeyan, Research Scholar/EEE Sona college of technology, Salem	K	K	K	K	K	K
27.	Dr. P. Srinivasan, Assistant Professor Senior Grade, Chemistry, Kongu Engineering College, Erode District.	P	P	P	P	P	P

S. No.	Name and Address of the Participants	20.01.2022		21.01.2022		22.01.2022	
		FN	AN	FN	AN	FN	AN
28.	K.Prabhakaran, Assistant Professor/Chemistry, Kongu Engineering College, Perundurai, Erode District.	KPr	KPr	KPr	KPr	KPr	KPr
29.	Mr.Harish.R, Senior Research Fellow, Department of Electrical and Electronics Engineering, Kongu Engineering College, Perundurai, Erode-638 060,	HA	HA	HA	HA	HA	HA
30.	K.Ranjith Kumar, Assistant Professor (Senior Grade), Department of Electrical and Electronics Engineering, Kongu Engineering College, Perundurai, Erode-638 060.	KRK	KRK	KRK	KRK	KRK	KRK
31.	Dr.V.Surendar, Assistant Professor (Senior Grade), Department of Electrical and Electronics Engineering, Kongu Engineering College, Perundurai, Erode-638 060.	VS	VS	VS	VS	VS	VS
32.	M.Sabarimuthu, Assistant Professor (Senior Grade), Department of Electrical and Electronics Engineering, Kongu Engineering College, Perundurai, Erode-638 060.	MS	MS	MS	MS	MS	MS
33.	K.Kavin Mullai, Assistant Professor (Senior Grade), Department of Electrical and Electronics Engineering, Kongu Engineering College, Perundurai, Erode-638 060.	KKM	KKM	KKM	KKM	KKM	KKM
34.	R.Sasikala, Assistant Professor (Senior Grade), Electronics & Instrumentation Engineering, Kongu Engineering College, Perundurai, Erode-638 060, Tamilnadu, India.	RS	RS	RS	RS	RS	RS
35.	Dr.N.Priyadharshini, Assistant Professor (Senior Grade), Department of Electrical and Electronics Engineering, Kongu Engineering College, Perundurai, Erode-638 060, Tamilnadu, India.	NP	NP	NP	NP	NP	NP
36.	R.Ranjith Kumar, Assistant Professor (Senior Grade), Department of Electrical and Electronics Engineering, Kongu Engineering College, Perundurai, Erode-638 060.	RRK	RRK	RRK	RRK	RRK	RRK
37.	M.Suresh, Assistant Professor (Senior Grade), Department of Electrical and Electronics Engineering, Kongu Engineering College, Perundurai, Erode-638 060.	MS	MS	MS	MS	MS	MS

S. No.	Name and Address of the Participants	20.01.2022		21.01.2022		22.01.2022	
		FN	AN	FN	AN	FN	AN
50.	Pranesh S, Assistant Professor/Mechanical, SNS College of Engineering, Coimbatore.	Pranesh	Pranesh	Pranesh	Pranesh	Pranesh	Pranesh
51.	Mr.R.Duraisamy, Farmer, 5/80, Kunjampalayam Thottam, Iyankadu, Olappalyam, Thathathiripuram, N.Pallipatti Post, Puduchatram Via. Namakkal District (TK)-637 018.	Durai	Durai	Durai	Durai	Durai	Durai
52.	Mr.P.Venkatachalam, Farmer, 5/81, Kunjampalayam Thottam, Iyankadu, Olappalyam, Thathathiripuram, N.Pallipatti Post, Puduchatram Via. Namakkal District (TK)-637 018	Venkatachalam	Venkatachalam	Venkatachalam	Venkatachalam	Venkatachalam	Venkatachalam
53.	Mr.M.Balasubramani S/O, Farmer, Marimuthu, 3/43, Kottakadu, Kannurpatti Post, Karaikurichi Pudur Via, Namakkal TK, District-637014.	Marimuthu	Marimuthu	Marimuthu	Marimuthu	Marimuthu	Marimuthu
54.	Mr.P.Saravanan S/O Periyannan, Farmer, 3/40, Vayakadu, Kannurpatti Post, Karaikurichi Pudur Via, Namakkal TK, District-637014.	Periyannan	Periyannan	Periyannan	Periyannan	Periyannan	Periyannan
55.	R. Krishnaveni, Farmer, Minnakadu, K.M. Palayam, Annurman patti, Erode-Dt.	R.K	R.K	R.K	R.K	R.K	R.K
56.	K. Muzugesan, Instructor KEC, Perundurai, IEEE	KM	KM	KM	KM	KM	KM
57.	S. JEGAN, Assistant Professor (SRA), KEC	SP	SP	SP	SP	SP	SP
58.							
59.							
60.							
61.							
62.							

Sarath
22/1/2022
Course Coordinator

S. Sri Sankar
Course Convener

A. S. L. G.
HoD/EEE
15/1

D. SARATHIKUMAR
Assistant Professor (SRA)/

Dr. S. Albert (Narasimhan)
DEPT. OF ELECTRICAL & ELECTRONICS ENG
KONGU ENGINEERING COLLEGE,
THOPPUPALAYAM (PO)
PERUNDURAI (TK), ERODE - 638 060

PERUNDURAI (TK), ERODE - 638 060

PERUNDURAI (TK), ERODE - 638 060

GFR 12 - A
[(See Rule 238 (1))]

**FORM OF UTILIZATION CERTIFICATE
FOR AUTONOMOUS BODIES OF THE GRANTEE ORGANIZATION**

UTILIZATION CERTIFICATE FOR THE YEAR 2021-22 in respect of non-recurring
GRANTS-IN-AID

1. Name of the Scheme: **Organization of National Seminar in India**
2. Whether recurring or non-recurring grants: **Non-Recurring Grants**
3. Grants position at the beginning of the Financial year
 - (i) Cash in Hand/Bank: **Nil**
 - (ii) Unadjusted advances: **Nil**
 - (iii) Total: **Nil**
4. Details of grants received, expenditure incurred and closing balances: (Actuals)

Unspent Balances of Grants received years [figure as at Sl. No. 3 (iii)]	Interest Earned thereon	Interest deposited back to the Govern- ment	Grant received during the year			Total Available funds (1+2- 3+4)	Expenditure incurred	Closing Balances (5-6)
1	2	3	4			5	6	7
			Sanction No. (i)	Date (ii)	Amount (iii)			
Nil	Nil	Nil	F.No.: NS03/042/NI S/2021-22	29.11.2021	Rs.75,000	Rs.75,000	Rs.1,00,000	-25,000

Component wise utilization of grants:

Grant-in-aid- General	Grant-in-aid- Salary	Grant-in-aid-creation of capital assets	Total
Rs.1,00,000	Nil	Nil	Rs.1,00,000

Details of grants position at the end of the year

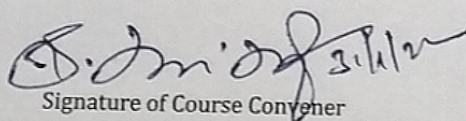
- (i) Cash in Hand/Bank: **Nil**
- (ii) Unadjusted Advances: **Nil**
- (iii) Total: **Nil**

Certified that I have satisfied myself that the conditions on which grants were sanctioned have been duly fulfilled/are being fulfilled and that I have exercised following checks to see that the money has been actually utilized for the purpose for which it was sanctioned:


- I. The main accounts and other subsidiary accounts and registers (including assets registers) are maintained as prescribed in the relevant Act/Rules/Standing instructions (mention the Act/Rules) and have been duly audited by designated auditors. The figures depicted above tally with the audited figures mentioned in financial statements/accounts.
- II. There exist internal controls for safeguarding public funds/assets, watching outcomes and achievements of physical targets against the financial inputs, ensuring quality in asset creation etc. & the periodic evaluation of internal controls is exercised to ensure their effectiveness.
- III. To the best of our knowledge and belief, no transactions have been entered that are in violation of relevant Act/Rules/standing instructions and scheme guidelines.
- IV. The responsibilities among the key functionaries for execution of the scheme have been assigned in clear terms and are not general in nature.
- V. The benefits were extended to the intended beneficiaries and only such areas/districts were covered where the scheme was intended to operate.
- VI. The expenditure on various components of the scheme was in the proportions authorized as per the scheme guidelines and terms and conditions of the grants-in-aid.
- VII. It has been ensured that the physical and financial performance under Organization of national seminar in india (name of the scheme has been according to the requirements, as prescribed in the guidelines issued by Govt. of India and the performance/targets achieved statement for the year to which the utilization of the fund resulted in outcomes given at Annexure - I duly enclosed.
- VIII. The utilization of the fund resulted in outcomes given at Annexure - II duly enclosed (to be formulated by the Ministry/Department concerned as per their requirements/specifications.)
- IX. Details of various schemes executed by the agency through grants-in-aid received from the same Ministry or from other Ministries is enclosed at Annexure -II (to be formulated by the Ministry/Department concerned as per their requirements/specifications).

Date: 31.01.2022

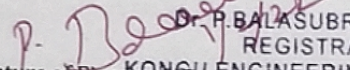
Place: Perundurai, Erode - 638 060

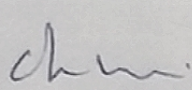

Signature of Course Convener
Designation with Seal

S. ALBERT ALEXANDER, Ph.D., PDF (USA), SMIEEE.
UGC- RAMAN RESEARCH FELLOW
ASSOCIATE PROFESSOR-EEE
KONGU ENGINEERING COLLEGE
PERUNDURAI-638 060, ERODE.

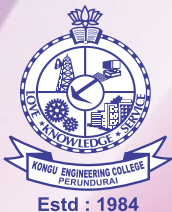

Signature of the Administrative Head of the Organisation
Designation with Seal

Dr. V. BALUSAMY
PRINCIPAL
KONGU ENGINEERING COLLEGE
THOPPUPALAYAM (PO)
PERUNDURAI (TK) ERODE-638060
TAMILNADU, INDIA


Signature of Registrar
Designation with Seal
KONGU ENGINEERING COLLEGE
THOPPUPALAYAM (Po)
PERUNDURAI, ERODE - 638 060.
TAMILNADU, INDIA.


Signature of Chartered Accountant
with Seal

UDIN: 22026921 ACX FLT 843
C. VELUMANI, B.Sc., F.C.A.,
Chartered Accountant
33/1, Annamalai Layout,
Nalli Hospital Road, ERODE - 638 011.
M.No: 026921.



KONGU ENGINEERING COLLEGE

(Autonomous)

PERUNDURAI - 638 060, ERODE DISTRICT,
TAMILNADU, INDIA.



School of Electrical Sciences

Department of Electrical and Electronics Engineering



CERTIFICATE

This is to certify that _____
of _____ has attended the
Indian Council of Social Science Research (ICSSR) Sponsored Three Days National Seminar On
“Awareness Program on Possible Utilization of Renewable Energy Sources in Agricultural
Applications for the Benefit of Cauvery Delta Region Farmers” (20.01.2022 to 22.01.2022)
at Kongu Engineering College, Perundurai, Erode District, Tamilnadu, India.

Convener

Coordinator

HOD / EEE

Principal

