

ELECTRO WAVES NEWS LETTER

Department of Electrical and Electronics Engineering

Kumaraguru College of Technology

Coimbaore-641049

ISSUE- 17

2014-2015(June-Dec)

Funded Projects

Sl.No	Name of the Principal Investigator/ Co PI	Project Title	Funding Agency	Amount Sanctioned	Duration
1	M.Nirmala AP(SRG) D.Rajalakshmi AP(SRG)	Automatic potter wheel	RuTaG	1,13,000	4 years
2	M.Mohanraj (PI) P.Maithili(Co-PI)	Microcontroller and GSM based Windmill Monitoring system	Two-Win Exports, Tirupur	awaiting	1 year

Guest lecturers organized

Sl.No	Name of the Coordinator /Designation	Resource person details	Organized (By & At)	Date & Duration	Title of the seminar
1	M.Nirmala AP(SRG)	K.Ganesh karthik Social Activists	EEE,KCT	03.07.2014 One day	Induction Training programme for II year students
2	M.Nirmala AP(SRG)	IES GATE Academy	EEE,KCT	02.08.2014 (FN) Half day	Awareness on GATE Exams
3	M.Nirmala AP(SRG)	K.Ganesh karthik Social Activists	EEE,KCT	02.08.2014 3 hours	Future challenges and sustainability
4	M.Nirmala AP(SRG)	Mr. Mohammed Ibrahim, Alumni of EEE	EEE,KCT	09.08.2014 (AN) 3 hours	Awareness about placement and higher studies in Singapore

5	M.Nirmala AP(SRG)	Mr.G.Vivek, Project Engineer,ECON, Chennai	EEE,KCT	26.09.2014 (AN)	Guidelines about Paper presentation and project presentation
6	V.Sharmila Deve Asso.Professor M.Nirmala AP(SRG)	Mr.Vijaya kumar, Ex-Chief, Radio Engineer,Bajrang Enterprises, CBE	EEE,KCT	18.10.2014 (2 hour)	Recent trends in Satellite communication
7	R.Kavitha, /AP(SRG) P.Maithili / AP	Mr. Gowri Shankar from pro-gate	EEE,KCT	13.09.2014	Discussion on GATE subjects
8	R.Kavitha /AP(SRG)	Mr.Arjun venkatram, Emerson admissions consulting	EEE,KCT	06.09.2014	Graduate studies in America
9	R.Kavitha /AP(SRG) M.Nirmala, /AP(SRG)	Nalla soru team	EEE,KCT	31.07.2014	Healthy food habits
10	R.Kavitha, /AP(SRG)	Mr. Sargunam from the chopras	EEE,KCT	12.07.2014	Higher education in overseas
11	R.Kavitha, AP(SRG)	Mr.Ganesh Karthik	EEE,KCT	31.07.2014	Future Challenges and sustainability
12	M.Mohanraj AP(SRG)	M.Arvind, Asst.Manager – The Chopras (Shaping lives & Careers), India	EEE,KCT	19.07.2014	Higher Studies in Overseas

Papers Published

SI.No	Name of the Faculty/Designation	Title of the Paper	Publication Details	Impact factor
1	Dr.Rani Thottungal /HOD/EEE	FPGA based hardware implementation of WTHD minimisation in asymmetric multilevel inverter using bio geographical based optimization	IU-Journal of Electrical & Electronics Engineering VOL. 14(2), (2014), 1799-1807	0.5
2	Dr.Rani Thottungal /HOD/EEE	WTHD minimisation in hybrid multilevel inverter Using bio geographical based optimization	Archives of Electrical Engineering vol. 63(2), pp. 187-196 (2014)	0.893
3	Dr.Rani Thottungal /HOD/EEE	Coordinated Control of Power Converter in Wind Energy System Using Fuzzy Controller to Improve Power Quality	Australian Journal of Basic and Applied Sciences, 8(18) December 2014, ISSN:1991-8178, Pages: 53-64	0.5
4	Dr.Rani Thottungal /HOD/EEE	Quasi-Z-Source Based WECS for Suppression of Short Term Fluctuations	International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume 2 Issue XII, December 2014 ISSN: 2321-9653, Pages:469-476	1.214
6	Dr.Rani Thottungal /HOD/EEE	Automated defect detection and regulation in wind power plants based on CAN Network	International Journal of Advanced Research in Computer Engineering & Technology, ISSN: 2278 – 1323 Volume..4..Issu1January-2015,pp.0054...0058	2.793

7	Prof.G.N.Murugananthan / Professor	Automatic Identification Of Obstacles And Crack Sensing Scheme In Rail Tracking System	International Journal of Advanced Research in Electronics and Communication Engineering, Volume.4.Issue.1. Dec-2014, pp.064 -.071	3.22
8	Prof.V.Sharmila Deve /ASP	Design Journal model for Gencas with thermal and wind powered generator	Electrical Power & Energy Systems, Elsevier. Vol.68, P.No. 222-232, July 2015.	2.694
9	Prof. R.Kavitha /AP(SRG)	FPGA based hardware implementation of WTHD minimisation in asymmetric multilevel inverter using bio geographical based optimization	IU-Journal of Electrical & Electronics Engineering VOL. 14(2), (2014), 1799-1807	0.5
10	Prof.R.Kavitha /AP(SRG)	WTHD minimisation in hybrid multilevel inverter Using bio geographical based optimization	Archives of Electrical Engineering vol. 63(2), pp. 187-196 (2014)	0.893
11	Prof. M.Mohanraj /AP(SRG)	Coordinated Control of Power Converter in Wind Energy System Using Fuzzy Controller to Improve Power Quality	Australian Journal of Basic and Applied Sciences, 8(18) December 2014, ISSN:1991-8178, Pages: 53-64	0.5
12	Prof. M.Mohanraj /AP(SRG)	Quasi-Z-Source Based WECS for Suppression of Short Term Fluctuations	International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume 2 Issue XII, December 2014 ISSN: 2321-9653, Pages:469-476	1.214

13	Prof. M.Mohanraj /AP(SRG)	Automated defect detection and regulation in wind power plants based on CAN Network	International Journal of Advanced Research in Computer Engineering & Technology, ISSN: 2278 – 1323 Volume.4.Issue1 January-2015, pp.0054.-.0058	2.793
14	J.Ramprabu /APII	Embedded Based Real-Time Monitoring And Contamination Detection In Drinking Water Distribution System	International Journal of Emerging Trends & Technology in Computer Science (IJETTCS) Volume 3, Issue 5, September-October 2014, ISSN 2278-6856.	1.414
15	J.Ramprabu /APII	Enhanced Technique For Sorting And Grading The Fruit Quality Using MSP430 Controller	International Journal of Advances in Engineering & Technology ©IJAET, Nov., 2014 Vol. 7, Issue 5, pp. 1483-1488, ISSN: 22311963'	2.716
16	J.Ramprabu /APII	Vehicle Stability Maintenance Through Online Estimation of Parameter Uncertainties	International Journal of Emerging Trends & Technology in Computer Science (IJETTCS) Volume 3, Issue 5, September-October 2014, ISSN 2278-6856.	1.414

Guest Lectures delivered / sessions chaired by faculty in other Institutions

Sl. No	Faculty Name	Lectures delivered at / sessions chaired at	Details
1	Prof. G.N.Murugananthan / Professor	Guest Lectures delivered on 06.11.2014 at Department of Mechanical Engineering, KCT, Coimbatore	Illumination laws of illumination polar curve incandescent, fluorescent and vapour lamps
2	Prof.V.Sharmila Deve /ASP	Guest Lectures delivered on 20.06.2014 at Karpagam University.	MAT LAB Basics & optimization using MAT LAB tools
3	Prof.R.Kavitha /AP(SRG)	Guest Lectures delivered on 20.06.2014 at Karpagam University.	MAT LAB Basics & optimization using MAT LAB tools
4	D.Rajalakshmi /AP(SRG)	Guest Lectures delivered on 20.06.2014 at Karpagam University.	MAT LAB Basics & optimization using MAT LAB tools

FDP/ SDP/ Workshop Organized

Sl. No	Name of the Coordinator /Designation	FDP/SDP/ Workshop	Organized (By & At)	Date & Duration	Title
1	Prof.C.Udhayashankar /ASP & Prof. B.Karunamoorthy /AP(SRG)	Workshop	EEE Department	01.08.2014 to 02.08.2014	PCB Design And Fabrication Using PSPICE/ ORCAD 2014
2	D.Rajalakshmi /AP(SRG) & T.Shanthi /AP(SRG)	FDP	EEE Department	2.11.2014 to 8.11.2014	Integrating New and Renewable Energy Technologies
3	Prof.N.Prakash /AP- II & Prof. M.Babu Prasad /AP	Workshop	EEE Department	08.08.2014 to 09.08.2014	Hands On Training In Solar PV Panel

Papers presented in international seminars / conferences

SI.No	Name of the Faculty/Designation	Seminar / Conference	Organiser (By & At)	Date	Title
1	Dr.Rani Thottungal /HOD/EEE	IEEE international Conference	Sri Krishna College of Technology, Coimbatore	02.01.2015 and 03.01.2015	Quasi-Z-Source Based WECS for Suppression of Short Term Fluctuations
2	Dr. Rani Thottungal /HOD/EEE	IEEE international Conference	Sri Krishna College of Technology, Coimbatore	02.01.2015 and 03.01.2015	
3	Prof.M.Mohanraj /AP(SRG)	IEEE international Conference	Sri Krishna College of Technology, Coimbatore	02.01.2015 and 03.01.2015	Smart flow detection and Control in remote monitoring of wind turbines using CAN network.
4	M.Mohanraj /AP(SRG)	IEEE international Conference	Sri Krishna College of Technology, Coimbatore	02.01.2015 and 03.01.2015	Quasi-Z-Source Based WECS for Suppression of Short Term Fluctuations

FDP/ SDP/ workshop/Seminar Attended

Sl. No	Name of the	FDP /SDP/	Organized	Date &	Title
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	Faculty /Designation	Workshop	(By & At)	Duration	
1	D.Rajalakshmi /AP(SRG)	FDP	CIT,Coimbatore	17.11.2014 to 23.11.2014 (1 week)	Power quality issues and its mitigation in smart grid systems
2	M.Nirmala /AP(SRG)	FDP	EEE Department KCT,CBE	2.11.2014 to 8.11.2014	Integrating New and Renewable Energy Technologies
3	M.Nirmala /AP(SRG)	FDP	CIT, Coimbatore	17.11.2014 to 23.11.2014 (1 week)	Power quality issues and its mitigation in smart grid systems
4	T.Shanthi /AP(SRG)	FDP	EEE Department KCT,CBE	16.12.14 to 17.12.14 (2 days)	Treatment without medicine
5	J Ram prabu /AP- II	FDP	GCT, Coimbatore	11.08.2014 to 16.08.2014 (6 days)	Technical software for Alternate Energy resources
6	J Ram prabu /AP- II	FDP	Centre Of Energy Studies, IIT.Delhi Quality Improvement Program , AICTE Govt Of India.	09.12.2014 to 15.12.2014 (7 days)	Advances in solar energy technologies
7	J Ram prabu /AP- II	FDP	EEE Department KCT,CBE	02.11.2014 to 08.11.2014 (7 days)	Integrating New and Renewable Energy Technologies

8	J Ram prabu /AP- II	Workshop	Department Of Automobile Engineering at PSG College Of Technology Coimbatore,	23.08.2014	Automotive Safety System
9	N.Prakash /AP- II	FDP	Anna University, Chennai, at Kathir college of Engineering	23.06.2014 to 29.06.2014	Power Electronics
10	Kaliappan.S /AP	FDP	EEE Department KCT,CBE	3.11.2014 to 8.11.2014	Renewable Energy sources
11	Kaliappan.S /AP	FDP	Anna University, Chennai, at Kathir college of Engineering	23.06.2014 to 29.06.2014	Power Electronics
12	R.suresh kumar /AP	FDP	EEE Department KCT,CBE	3.11.2014 to 8.11.2014	Renewable Energy sources
13	R.suresh kumar /AP	FDP	IIT Kharagpur	2.12.2014 to 12.12.2014	Control systems
14	V.EvangelinJeba /AP	FDP	Department of EEE, K.S.Rangasamy College of Technology, Tiruchengode	15.12.2014 to 21.12.2014 (7 days)	FDTP on Power System Analysis
15	V R. Balaji /AP	FDP	Anna University,, Chennai, at Kathir college of Engineering	23.06.2014 to 29.06.2014	Power Electronics
16	V R. Balaji /AP	FDP	TEXAS Instruments, at EIE Department KCT,CBE	11.12.2014 to 13.12.2014 (3 days)	Embedded System workshop

17	V R. Balaji /AP	FDP	GCT, Coimbatore	11.08.2014 to 16.08.2014	Technical software for Alternate
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				(6 days)	Energy resources
18	M.Babu Prasad /AP	FDP	EEE Department KCT,CBE	02.11.2014 to 08.11.2014 (7 days)	Integrating New and Renewable Energy Technologies

Papers published by students

S. No	Roll. No.	Name of the student	Title of paper	Paper presented at
1	13MES16	G.Sindhuja II M.E. (ES)	Vehicle Stability Maintenance Through Online Estimation of Parameter Uncertainties	International Journal of Emerging Trends & Technology in Computer Science (IJETTCS) Volume 3, Issue 5, September-October 2014, ISSN 2278-6856.
2	13MES04	S.Nandhini II M.E. (ES)	Enhanced Technique For Sorting And Grading The Fruit Quality Using MSP430 Controller	International Journal of Advances in Engineering & Technology ©IJAET, Nov., 2014 Vol. 7, Issue 5, pp. 1483-1488, ISSN: 22311963'
3	13MES07	C.Paramesh II M.E. (ES)	Embedded Based Real-Time Monitoring And Contamination Detection In Drinking Water Distribution System	International Journal of Emerging Trends & Technology in Computer Science (IJETTCS) Volume 3, Issue 5, September-October 2014, ISSN 2278-6856.

Participation of students in seminars / workshops / symposium

Sl. No	Roll. No.	Name of the students	Details of participation	Participated at
1	13MES04	S.Nandhini	National level Technical Symposium	Department of IT,CIT 23.01.2015
2	13MES04	S.Nandhini	ICE ² -RTRI 2015	Department of Electrical Sciences, Sri Krishna Institutions, 02.01.2015 & 03.01.2015
3	13MES09	R.Ragavi	Industrial Project- Automatic Series and Parallel Combination of Submersible Pumps	27.11.2014, Deccan Pumps Pvt.Ltd, Coimbatore.
4	13MES09	R.Ragavi	In-Plant Training	RV Industries, Malumichampatti, Coimbatore. 01-07.2014 to 07-07.2014
5	13MES11	B.Saranya	ICE ² -RTRI 2015	Department of Electrical Sciences, Sri Krishna Institutions, 02.01.2015 & 03.01.2015
6	13MES12	V.Saravanamoorthy	ICE ² -RTRI 2015	Department of Electrical Sciences, Sri Krishna Institutions, 02.01.2015 & 03.01.2015
7	13MES13	N.Sasikala	ICE ² -RTRI 2015	Department of Electrical Sciences, Sri Krishna Institutions, 02.01.2015 & 03.01.2015

8	13MES15	K.Sharmila	ICE ² -RTRI 2015	Department of Electrical Sciences, Sri Krishna Institutions, 02.01.2015 & 03.01.2015
9	12BEE028	Mohamed Abdul Rahman S	GRIFFER LA TELE	Kongu Engineering College
10	12BEE107	Ramakrishnan G	Idea Challenge	Karpagam College of Engineering
11	12BEE107	Ramakrishnan G	SMART INNOVATORS	Karpagam College of Engineering
12	12BEE107	Ramakrishnan G	JUNK YARD	Karpagam College of Engineering
13	12BEE107	Ramakrishnan G	IDEA X	Bannari Amman Institute of Technology
14	12BEE107	Ramakrishnan G	ELEKTRISK JAGD	Bannari Amman Institute of Technology
15	12BEE107	Ramakrishnan G	ELEKTRISK JAGD	Bannari Amman Institute of Technology
16	12BEE108	Sivaprakasam R	SMART INNOVATORS	Karpagam College of Engineering
17	12BEE108	Sivaprakasam R	Idea Challenge	Karpagam College of Engineering
18	13BEE011	R. Arun Muthu Ganesh	Idea Challenge	Karpagam College of Engineering
19	13BEE002	Abhijitm Nair	Idea Challenge	Karpagam College of Engineering
20	13BEE223	R. Rajini	PCB HANDS – ON	Karpagam College of Engineering
21	13BEE225	R. Karthik	PCB HANDS – ON	Karpagam College of Engineering
22	13BEE226	K. Prasanth		Karpagam College of Engineering
23	13BEE223	R. Rajini	PCB GENERAL	Karpagam College of Engineering
24	13BEE225	R. Karthik	PCB GENERAL	Karpagam College of Engineering

25	13BEE226	K. Prasanth	PCB GENERAL	Karpagam College of Engineering
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26	13BEE053	O. A. Kirran ashwin	Smart Grid Workshop - FUTURA	Bannari Amman Institute of Technology, Sathyamangalam
27	13BEE046	M. Kavin Kumar	Smart Grid Workshop	Bannari Amman Institute of Technology
28	13BEE045	V. Karthikeyan	Smart Grid Workshop	Bannari Amman Institute of Technology
29	13BEE043	D. Karthik	Smart Grid Workshop	Bannari Amman Institute of Technology
30	13BEE019	A. K. Dhanush priyan	Smart Grid Workshop	Bannari Amman Institute of Technology
31	13BEE026	A. George Valan	Smart Grid Workshop	Bannari Amman Institute of Technology
32	13BEE018	P. Dhanukeerthi	Smart Grid Workshop	Bannari Amman Institute of Technology
33	13BEE032	R. Harsavardhini	Smart Grid Workshop	Bannari Amman Institute of Technology
34	13BEE048	M. Keerthana	Smart Grid Workshop	Bannari Amman Institute of Technology
35	13BEE016	Brithul Balaji	Smart Grid Workshop	Bannari Amman Institute of Technology
36	13BEE055	V. Loga Priya	Autonomous Robotics Workshops	IIT Madras
37	13BEE025	S. Divyabharathi	Autonomous Robotics Workshops	IIT Madras
38	13BEE018	P. Dhanukeerthi	Autonomous Robotics Workshops	IIT Madras
39	13BEE048	M. Keerthana	Autonomous Robotics Workshops	IIT Madras
40	13BEE032	R. Harsavardhini	Autonomous Robotics Workshops	IIT Madras

41	13BEE055	V. Loga Priya	PCB Design	IIT Madras
42	13BEE018	P. Dhanukeerthi	PCB Design	IIT Madras
43	13BEE048	M. Keerthana	PCB Design	IIT Madras
44	13BEE032	R. Harsavardhini	PCB Design	IIT Madras
45	13BEE014	M. Balaji	PCB Design	IIT Madras
46	13BEE016	Brithul Balaji	Wireless Motion Controlled Robot	IIT Madras
47	13BEE014	M. Balaji	ARM Workshop	IIT Madras
48	13BEE044	B. Karthik	ARM Workshop	IIT Madras
49	13BEE005	A. Amalalwin	ARM Workshop	IIT Madras
50	13BEE012	A. Aravind	ARM Workshop	IIT Madras
51	13BEE060	Manoj Kumar	ARM Workshop	IIT Madras
52	13BEE045	Karthikeyan	ARM Workshop	IIT Madras
53	13BEE005	A. Amalalwin	PCB Design	IIT Madras
54	13BEE060	Manoj Kumar	PCB Design	IIT Madras
55	13BEE031	K. Gowthaman	Autonomous Robotics Workshops	IIT Madras
56	13BEE031	K. Gowthaman	Line Following Hovercraft	IIT Madras
57	13BEE003	Adithya Krishna	ARM Workshop	IIT Madras
58	13BEE037	J. V. Jaya Rathina	PCB Design	IIT Madras
59	13BEE037	J. V. Jaya Rathina	Autonomous Robotics Workshops	IIT Madras
60	13BEE025	S. Divyabharathi		VIT, Vellore
61	13BEE082	N.Rajesh Roshan	Autonomous Robotics	IIT Chennai
62	13BEE083	K.Raj Kumar	Autonomous Robotics	IIT Chennai
63	13BEE091	E.R. Saravanram	Autonomous Robotics	IIT Chennai
64	13BEE093	R. Senthur	Autonomous Robotics	IIT Chennai
65	13BEE082	N.Rajesh Roshan	Manual Robotics	IIT Chennai
66	13BEE091	E.R. Saravanram	Manual Robotics	IIT Chennai
67	13BEE093	R. Senthur	Manual Robotics	IIT Chennai

Industrial visits arranged for students

Sl. No	Department	Program /batch (year)	Industry visited	Date of visit
1	EEE	I ME PED / 2014-2016	Solar station and wind form at Udumalpet	05.11.2014
2	EEE	I M PED / 2014-2016	Assent steels Ltd.,Coimbatore	23.12.2014
3	EEE	III year EEE	Wind mill by Selvam Agencies.Udumalpet	24.01.2015
4	EEE	B.E 2013 -2017 II year EEE-A	Kavika, Bangalore SVS industries, Bangalore	13.9.14 to 15.9.14

Library

Sl. No	Details	No. of volumes / addition	Investment made
1	Books	854	-
2	Journals	22	-
3	Other publication like CD, Magazine etc.,	410	-

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

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