

ELECTRO WAVES NEWS LETTER

Department of Electrical and Electronics Engineering

Kumaraguru College of Technology

Coimbaore-641049

ISSUE- 18

JAN 2015-MAY 2015

Funded Projects

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

Guest lecturers organized

SI.No	Name of the Coordinator /Designation	Resource person details	Organized (By & At)	Date & Duration	Title of the seminar
1	Prof.M.Mohanraj /AP(SRG)	Prof.N.P.Subramaniam Associate Professor, Department of EEE, Pondicherry Engineering College, Puducherry.	M.E .(PED & EST)	27.03.2015	Investigation of Power Quality Problems Using Wavelet Transform

Papers Published

Sl.No	Name of the Faculty/Designation	Title of the Paper	Publication Details	Impact factor
1	Dr.Rani Thottungal /Professor & Head	Automated defect detection and regulation in wind power plants based on CAN Network	International Journal of Advanced Research in Computer Engineering & Technology, Volume.4.Issu1 January-2015,pp.0054-0058 ISSN: 2278 – 1323	2.793
2	Prof.V.Kandasamy /ASP	Comparative analysis of different PWM schemes for Z- source matrix converter	International Journal of Applied Engineering Research (IJAER), Volume 3 issue III, March 2015	-
3	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, Volume.4.Issu1 January-2015,pp.0054-0058 ISSN: 2278 – 1323	2.793
4	Prof.D.Rajalakshmi /AP(SRG)	Input Power Factor Compensation in Matrix Converter Fed Grid with PI Controller	International Journal of Applied Engineering Research Volume 10, Issue 6, April 2015, ISSN 0973-4562, pp. 15109-15121	-
5	Prof.T.Shanthi /AP(SRG)	Standalone Hybrid Power Generation Using Photovoltaic/Wind/Fuel Cell	International Journal of Applied Engineering Research , Vol. 10 , Issue No.20 May / 2015, ISSN:0973-4562	

6	Prof.T. Shanthi /AP	Hybrid Generating System with Solar and Fuel Cell using ANFIS Controller	International Journal of Electrical Electronics & Computer Science Engineering, February, 2015, Vol. 2, Issue 1, pp. 15 -20. ISSN:2348-2273	-
7	Prof.T. Shanthi /AP	Automatic Fault Detection and Wireless Remote Monitoring for EB Transformer using Embedded System	International Journal for Research in Applied Science & Engineering Technology (IJRASET), March, 2015, Vol.3, pp. 709 -714, ISSN: 2321-9653	-
8	Prof.J.Ramprabu /AP II	Implementation Of Fast Charging Unit	International Journal of Informative & Futuristic Research Volume 2, Issue 8, April 2015, ISSN (Online): 2347-1697	4.164
9	Prof.J.Ramprabu /AP II	Performance Analysis of Open-Source Real Time Operating Systems	International Journal of Advanced Research in Computer Engineering & Technology (IJARCET) Volume 4 Issue 2, February 2015, ISSN: 2278 – 1323	2.793
10	Prof.J.Ramprabu /AP II	Automated Sensor Network for Monitoring and Detection of Impurity in Drinking Water System	International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume 3, Issue 1, January 2015, ISSN: 2321-9653	1.124
11	Prof.J.Ramprabu /AP II	Embedded Based System for the Fruit Quality Management Using PIC Micro Controller	International Journal Of Engineering And Computer Science Volume 4 Issue 1 January 2015, ISSN:2319-7242 Page No. 10051-10056	-

12	Prof.J.Ramprabu /AP II	Embedded System Based Fruit Quality Management Using PIC Micro Controller	International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume 3, Issue I, January 2015, ISSN: 2321-9653	1.124
13	Prof.Kaliappan.S /AP	A Novel Approach of Position Estimation And Power Factor Corrector Converter Fed BLDC Motor	International Journal of Power electronics and drive system(IJPEDS) Vol.5 No.3 February 2015, ISSN:2088-8694, Pages: 415-423	1.0
14	Prof.Kaliappan.S /AP	A sensor less based power factor correction for adjustable speed BLDC motor drive-	International Journal of Applied Engineering Research Vol. 10 No.5 (2015) pp. 4290-4295 ISSN 0973-4562	-
15	Prof.Kaliappan.S /AP	PIC Based PFC Using Bridgeless SEPIC Converter for Adjustable Speed BLDC Motor-	International Journal of Applied Engineering Research, Vol. 10 No.5 (2015) pp. 4290-4295 ISSN 0973-4562	-
16	Prof.R.Sureshkumar /AP	Design and implementation of intelligent parking management system using image processing	International journal of advanced research in computer engineering and technology, Volume 4, Issue1, Jan2015, ,pages: 85-90 ISSN:2278-1323	-

17	Prof.R.Sureshkumar /AP	MPPT based battery swapping SPY Robot for defense and coalmine purpose	International journal of advanced research in electronics and communication engineering, Volume4, Issue1, Jan2015, Pages104-109 ISSN:2278-90X	-
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Guest Lectures delivered / sessions chaired by faculty in other Institutions

Sl. No	Faculty Name	Lectures delivered at / sessions chaired at	Details
1	Prof.M.Mohanraj /AP(SRG)	Easa College of Engineering and Technology, Navakkari, Coimbatore	A Keynote address and conference chair on 18.03.2015

FDP/ SDP/ workshop organized

Sl. No	Name of the Coordinator /Designation	FDP/SDP/ Workshop	Organized (By & At)	Date & Duration	Title
1	Prof.V.SharmilaDeve /ASP Prof.P.Maithili /AP Prof.G.Anushree /AP Prof.D.Sharmitha /AP	WORKSHOP	KCT EEE Dept	06.02.2015	Hands on Training of Advanced optimization techniques using MATLAB"

2	Prof.M.Nirmala /AP(SRG) Prof.V.Evanjalin Jeba /AP	WORKSHOP	KCT EEE Dept	24.02.2015	Hands on Training programme on MATLAB HATMAT - 15
3	Prof.V.SharmilaDeve /ASP Prof.V.Evanjalin Jeba /AP	WORKSHOP	KCT EEE Dept	27.02.2015	Hands on Training "Bio inspired optimization Technique using M-File"

**Papers presented in international seminars /
conferences**

Sl.No	Name of the Faculty/Designation	Seminar / Conference	Organiser (By & At)	Date	Title
1	Dr.Rani Thottungal /Professor &Head	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 /Professor &Head	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.

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	Prof.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
5	Prof.D.Rajalakshmi /AP(SRG)	International Conference in Synergistic Evolutions in Engineering (ICSEE'2015)	Surya Engineering College, Erode	04.03.2015 and 05.03.2015	A Certain Harmonic Analysis Study in Matrix Converter Fed Grid

FDP/ SDP/ workshop/Seminar Attended

Sl. No	Name of the Faculty /Designation	FDP /SDP/ Workshop	Organized (By & At)	Date & Duration	Title
1	Prof.V.SharmilaDeve /ASP	FDP	GCT, Coimbatore	25.05.2015 to 31.05.2015 (7 days)	Research Issues in Renewable energy systems

2	Prof.T.Shanthi /AP(SRG)	FDP	GCT, Coimbatore	25.05.2015 to 31.05.2015 (7 days)	Research Issues in Renewable energy systems
3	Prof.N.Prakash /AP-II	FDP	Syed ammal Engineering College, Ramanadhapuram	25.05.2015 to 31.05.2015 (7 days)	Electro Magnetic Waves
4	Prof.P.Maithili /AP	FDP	GCT, Coimbatore	25.05.2015 to 31.05.2015 (7 days)	Research Issues in Renewable energy systems
5	Prof.V R.Balaji /AP	FDP	GCT, Coimbatore	25.05.2015 to 31.05.2015 (7 days)	Research Issues in Renewable energy systems

Papers published by students

SI No	Roll No.	Name of the student	Title of paper	Paper presented at
1	13MES18	M.Uma maheswari	Analysis and control of non-linear system using three-mode controller	International Journal of Advanced Research in Computer Engineering & Technology (IJARCET) Volume 4 Issue 1, January 2015

**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	13MES11	B.Saranya	ICE ² -RTRI 2015	Department of Electrical Sciences, Sri Krishna Institutions, 02.01.2015 & 03.01.2015

4	13MES12	V.Saravanamoorthy	ICE ² -RTRI 2015	Department of Electrical Sciences, Sri Krishna Institutions, 02.01.2015 & 03.01.2015
5	13MES13	N.Sasikala	ICE ² -RTRI 2015	Department of Electrical Sciences, Sri Krishna Institutions, 02.01.2015 & 03.01.2015
6	13MES15	K.Sharmila	ICE ² -RTRI 2015	Department of Electrical Sciences, Sri Krishna Institutions, 02.01.2015 & 03.01.2015

Industrial visits arranged for students

Sl. No	Department	Program /batch (year)	Industry visited	Date of visit
1	EEE	III year EEE	Wind mill by Selvam Agencies.Udumalpet	24.01.2015
2	EEE	BE.EEE (2012-16)	Kundha Power Station, Ooty.	21.02.2015
3	EEE	Embedded System Technologies (2014-2017)	ISRO, Thiruvananthapuram	17.03.2015 to 19.03.2015

Library

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

FREE NEWSLETTER

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