

# KPR

Institute of Engineering  
and Technology

Approved by AICTE, New Delhi,  
Affiliated to Anna University, Chennai -25

Arasur, Coimbatore - 641 407

## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

**Electroblitz**  
Volume 1, Issue 2,  
December 2015

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## Vision

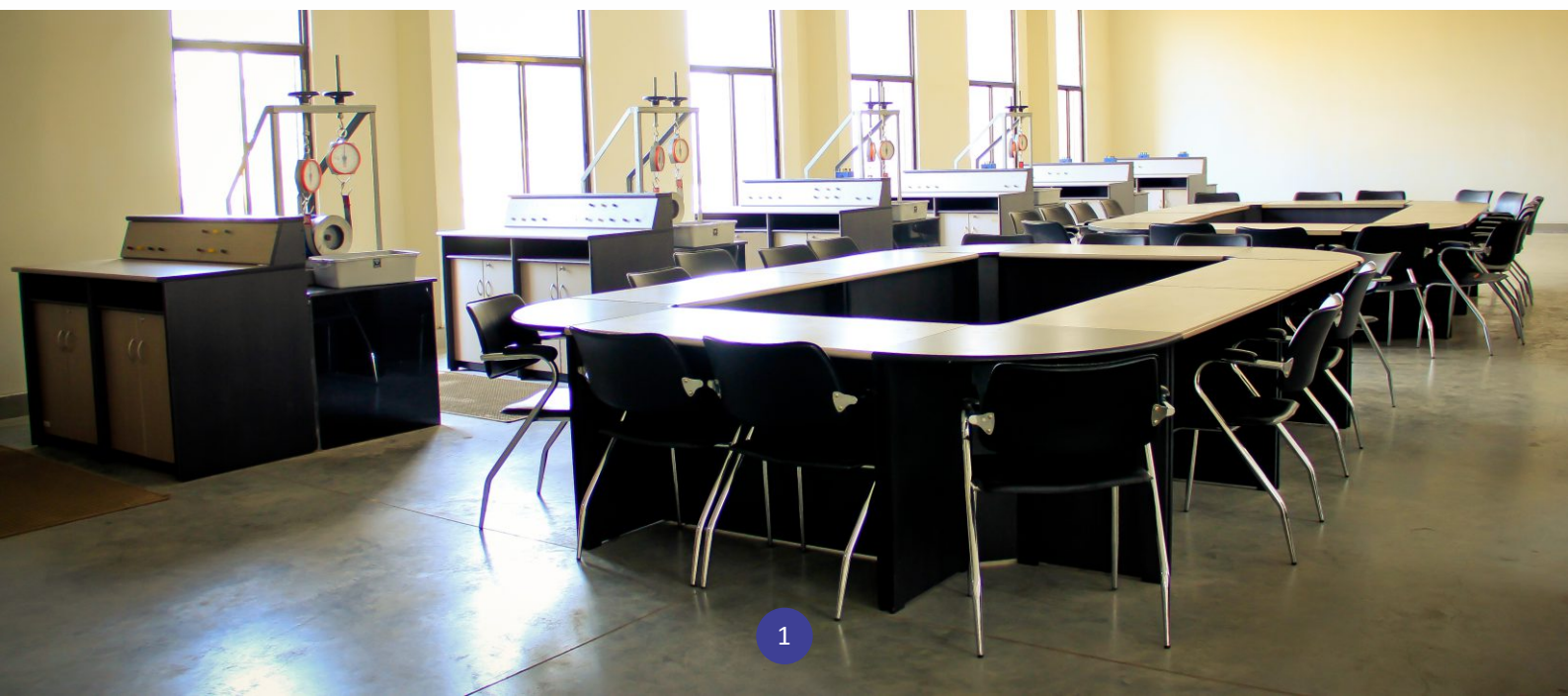
*To be the centre of higher learning in the field of Electrical and Electronics Engineering by educating the students to meet the global challenges with professional ethics and socially conscious.*

## Mission

- *To offer an intellectual, ethical and technological environment to the students for professionalism through quality technical education and research.*
- *To collaborate with industries locally, nationally and internationally for research and innovation.*
- *To enable the students to serve society and humanity through prolific ideas.*

## About the Department

*The Department of Electrical and Electronics Engineering was established in the year 2009. The sheer hard work and enthusiasm of the faculty and students of the department has helped in making it one of the best departments on campus. The department believes in serious academic pursuit and encourages radical and original thinking which paves the way for creativity and innovative ideas. The zeal and fervor with which the department is working will surely help it to achieve further success. The course has been designed with the aim of providing breadth and depth of knowledge and significant design experience across the key areas of Electrical Engineering that evolve with society needs. To achieve a blending of knowledge acquisition and applications of such knowledge in real life situations our department provides well equipped laboratory with global standards. We promote graduates in this diverse and always evolving field to use their knowledge of engineering principles and practices to design, develop and implement in a way our students are provided with a platform to innovate achieve and lead. The students have won laurels in state and national level events, their all round personality is developed so that they are devoted to serve the nation and community by engendering and broadcasting knowledge and technologies essential to the local and global needs in the field of Electrical and Electronics Engineering.*





## Teaching Staffs

S.NO	Name	Designation
1	Dr. V. Kumar Chinnaiyan M.E., Ph.D., MISTE	Professor & Head
2	Mr. S. Vivekanandan M.E., MISTE	Assistant Professor(Sr.G)
3	Mr. G. Saravanan M.E., (Ph.D.), MISTE	Assistant Professor(Sr.G)
4	Mr. A. Gowrishankar M.E., (Ph.D.), MISTE	Assistant Professor(Sr.G)
5	Mr. V. Sudharsan M.E., M.S., MISTE	Assistant Professor (Sr.G)
6	Mr. D. Sathishkumar M.E., (Ph.D.), MISTE	Assistant Professor (Sr.G)
7	Mr. S. Krishna Prabhu M.E., MISTE	Assistant Professor (Sr.G)
8	Ms. B. Lalitha M.E., MISTE	Assistant Professor (Sr.G)
9	Mr. M. Premkumar M.E., (Ph.D.), MISTE	Assistant Professor (Sr.G)
10	Ms. V.J. Vijayalakshmi M.E., (Ph.D.), MISTE	Assistant Professor (Sr.G)
11	Ms. R. Revathi M.E., MISTE	Assistant Professor
12	Mr. P. Kamalakannan M.E., MISTE	Assistant Professor
13	Mr. A. Mohamed Ibrahim M.E., MISTE	Assistant Professor
14	Ms. P.M. Sneha Angeline M.E., MISTE	Assistant Professor
15	Ms. R. Jeevitha M.E., MISTE	Assistant Professor
16	Dr. J. Rizwana M.E., (Ph.D.), MISTE	Assistant Professor
17	Ms. Jose Infant Puvani M.E., MISTE	Assistant Professor
18	Mr. V. Santhosh Kumar M.E., MISTE	Assistant Professor
19	Ms. R. Sowmya M.Tech., MISTE	Assistant Professor
20	Mr. R. Jagadeesh M.E.,	Assistant Professor

## Non-Teaching Staffs

S.NO	Name	Designation
1	Mr. K. Balamurugan	Lab Assistant
2	Mr. P. Srinivasan	Lab Assistant
3	Mr. P. Bharathiraja	Office Assistant

## Association Activities

The Department of Electrical & Electronics Engineering inaugurated the EEE Association ELVARZ'15 & Renewable Energy Club on 23.07.15. The association was inaugurated by Dr.R.Venkatesh Babu, Assistant Professor, IISc, Bangalore. The Guest lecture on "Recent trends in Machine Vision" was delivered by Dr.R.Venkatesh Babu, Assistant Professor, IISc, Bangalore on 23.07.2015. He gave an excellent lecture related to machine vision. The lecture inspired many students and it motivated them towards their research work.



The Renewable Energy day was celebrated on 20.08.15. On this auspicious day the celebration continued with signing a MOU with MAS Solar Systems Pvt. Ltd., Coimbatore. Through this MOU the institution and the students will be benefited in carrying out their projects in solar applications.

Guest Lecture on "Solar PV Design and Installation" was delivered by Mr. Prince Anand, Engineer (R&D), MAS Solar Systems, Coimbatore. His lecture included the design techniques and the installation methods of a solar panel. It created a technical rapport among the students.





*One day National level workshop on “Neural Networks and Fuzzy Logic Toolbox using MATLAB” was delivered by Dr.S.Balamurugan, Associate Professor of Amrita University, Coimbatore and Dr. S.Albert Alexandar, Assistant Professor (Senior Grade) of Kongu Engineering College, Perundurai on 30.09.2015. Their lecture included the soft computing techniques and hands on training in the fuzzy logic and neural networks tool box. It created an innovative research among the students.*

*One day National level workshop on “Hands on training with Arduino Controller using MATLAB” was delivered by Mr.K.Moorthi, Product Manager, Enthu Technology Solutions India Pvt Ltd, Coimbatore on 23.09.2015. His lecture included the application of Arduino Microcontroller in electrical field and hands on training in Arduino controller using MATLAB. It created a technical rapport among the students.*



## *List of Eminent Academicians / Scientists Visited*

<i>S.No.</i>	<i>Name and Designation</i>	<i>Organization</i>
1.	<i>Dr.R.Venkatesh Babu, Asst.Prof.</i>	<i>IISc, Bangalore.</i>
2.	<i>Mrs.A.Usha Monisha, Executive HR</i>	<i>MAS Solar Systems Private Limited, Coimbatore.</i>
3.	<i>Mr.L.Prince Anand, Engineer (R &amp; D)</i>	<i>MAS Solar Systems Private Limited, Coimbatore.</i>
4.	<i>Dr.A.K.Natesan, Chairman</i>	<i>ISTE (Tamil Nadu &amp; Pondicherry Section), Namakkal.</i>
5.	<i>Mr.A.Antonie Baskar, Senior HR</i>	<i>Kirloskar Brothers Limited, Coimbatore.</i>
6.	<i>Mr.K.Moorthi, Product Manager</i>	<i>Enthu Technology Solutions, India Pvt Ltd, Coimbatore.</i>
7.	<i>Dr.S. Balamurugan, Associate Professor</i>	<i>Department of EEE, Amrita School of Engg, Coimbatore.</i>
8.	<i>Dr. S.Albert Alexander, Asst. Prof.(Sr.G)</i>	<i>Department of EEE, Kongu Engineering College, Erode.</i>



## Publication of Papers in the Journal & Conferences

Faculty Name	Title of Paper	Name of Journal	Volume & Page No.	Month & Year
P.M.Sneha Angeline AP/EEE	Performance Monitoring of Transformer parameters	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering	Vol. 3, Issue 8 pp. 49-51	Aug 2015
V.J.Vijayalakshmi AP (Sr.G)/EEE	Smart Grid Technologies	International Conference	-	Aug 2015
S.Vivekanandan AP (Sr.G)/EEE	Soft Computing Techniques based Kp,Ki tuning for speed control of BLDC Motor	National Level Conference	-	Aug 2015
D.Sathish Kumar AP (Sr.G) / EEE	Automatic Weed Detection and Plantation of Crops in Agricultural Field	International Conference on Advances in Engineering Research	-	Sep 2015
V.J.Vijayalakshmi AP (Sr.G)/EEE	Single-Objective Optimization of Profit and Emission Under Deregulated Environment	Procedia Technology, Elsevier	-	Oct 2015
M.Prem Kumar AP (Sr.G) / EEE D.Sathish Kumar AP (Sr.G) / EEE A.Mohamed Ibrahim AP / EEE	Gesture and Stability control of Quadcopter using 3-Axis Accelerometer	International Journal on Recent Technologies in Mechanical and Electrical Engineering	Volume.2, Issue No.10, pp.47-50	Oct 2015
M.Prem Kumar AP (Sr.G) / EEE D.Sathish Kumar AP (Sr.G) / EEE A.Mohamed Ibrahim AP / EEE	Stability Control of a Multicopter using Accelerometer	S S International Journal of Multidisciplinary Research	Volume.2, Issue No.8, pp.45-50	Oct 2015
P.M.Sneha Angeline AP / EEE	Stator Winding Fault Monitoring in Single Phase Induction Motor	National conference on Advanced Technologies in Renewable Energy	-	Oct 2015
B.Lalitha AP (Sr.G) /EEE	Semi-Autonomous Coconut Harvesting Robot	International Journal on Recent Technologies in Mechanical and Electrical Engineering	Vol. 2, Issue 10, pp.67 -71	Nov 2015
S.Jose Infant Puvani AP/EEE	Optimal Positioning of Superconducting Fault Current Limiter in Smart Grid	Journal on Instrumentation & Control Engineering	Vol. 3, Issue 1, pp. 1-8	Nov 2015

Faculty Name	Title of Paper	Name of Journal	Volume & Page No.	Month & Year
V.J.Vijayalakshmi AP (Sr.G)/EEE	Optimal Power Flow using PSAT	International Journal of Advances in Electrical and Electronics Engineering	Vol 4, Issue 3, pp-120-127	Nov 2015
R.Jeevitha AP / EEE	Hepatitis B Disease Diagnosis Using Meta-Cognitive Neural Network and Extreme Learning Machine	International Journal of Applied Engineering Research 2015	Vol.10, Issue 20, pp – 41650 - 41654	Nov 2015
G.Saravanan AP (Sr.G) / EEE R.Jeevitha, AP / EEE R.Revathi, AP / EEE	Differential Evolutionary Algorithm Based PID Controller Design for Antenna Azimuth Position Control System	International Journal of Research Studies in Science, Engineering and Technology	Volume.2, Issue No.11, pp.12-19	Nov 2015
M.Prem Kumar AP (Sr.G) / EEE D.Sathish Kumar AP (Sr.G) / EEE A.Mohamed Ibrahim AP / EEE	Performance Parameter Control of Wound Rotor Induction Motor using Ann Controller	International Conference on Current research in Electrical, Electronics, Robotics and Mechanical Engineering	-	Nov 2015
V.J.Vijayalakshmi AP (Sr.G) / EEE	Optimal Power Flow using PSAT	International Conference on Advances in Engineering Science and Management	-	Nov 2015
M.Prem Kumar AP (Sr.G) / EEE D.Sathish Kumar AP (Sr.G) / EEE A.Mohamed Ibrahim AP / EEE	Stability Control of a Multicopter using Accelerometer	International Conference on Development in Engineering Research	-	Nov 2015
V.J.Vijayalakshmi AP (Sr.G) / EEE	SHE in multilevel inverters for non linear loads	International conference on Green Engineering Technologies	-	Nov 2015
S.Jose Infant Puvani	Optimal Positioning of SFCL In Smart Grid	International conference on Green Engineering Technologies	-	Nov 2015
R.Revathi AP / EEE	Modeling and Simulation of Modified Bridgeless Converter and a Single phase Seven-Level Inverter for a Solar Power Generation System	International conference on Green Engineering Technologies	-	Nov 2015

## Seminars / Workshops Attended By Faculty Members

Faculty Name	Event/Activity	National/ International/Regi	Venue	Date
S.Vivekanandan AP (Sr.G)/EEE	Workshop on Power Electronics Systems Design Challenges and Prototyping	National	PSG College of Technology, Coimbatore	06.08.15
M.Premkumar AP (Sr.G)/EEE	Workshop on Microgrids for Renewable Energy Systems	National	Sri Ramakrishna Engineering College, Coimbatore	07.08.15
G.Saravanan AP (Sr.G)/EEE	Workshop on Solar Photovoltaic Design	National	Bannari Amman Institute of Technology, Sathyamangalam	19.09.15
V.J.Vijayalakshmi AP (Sr.G)/EEE	Workshop on Hands on training with Arduino Controller using MATLAB	National	KPR Institute of Engineering & Technology, Coimbatore	23.09.15
R.Revathi AP/EEE	Workshop on Hands on training with Arduino Controller using MATLAB	National	KPR Institute of Engineering & Technology, Coimbatore	23.09.15
R.Sowmya AP/EEE	Workshop on Hands on training with Arduino Controller using MATLAB	National	KPR Institute of Engineering & Technology, Coimbatore	23.09.15

<i>V.Santhoshkumar AP/EEE</i>	<i>Workshop on Hands on training with Arduino Controller using MATLAB</i>	<i>National</i>	<i>KPR Institute of Engineering &amp; Technology, Coimbatore</i>	<i>23.09.15</i>
<i>S.Jose Infant Puvani AP/EEE</i>	<i>Workshop on Hands on training with Arduino Controller using MATLAB</i>	<i>National</i>	<i>KPR Institute of Engineering &amp; Technology, Coimbatore</i>	<i>23.09.15</i>
<i>P.M.Sneha Angeline AP/EEE</i>	<i>Workshop on Hands on training with Arduino Controller using MATLAB</i>	<i>National</i>	<i>KPR Institute of Engineering &amp; Technology, Coimbatore</i>	<i>23.09.15</i>
<i>S.Krishna Prabhu AP (Sr.G)/EEE</i>	<i>Workshop on Hands on training with Arduino Controller using MATLAB</i>	<i>National</i>	<i>KPR Institute of Engineering &amp; Technology, Coimbatore</i>	<i>23.09.15</i>
<i>R.Jeevitha AP/EEE</i>	<i>Workshop on Hands on training with Arduino Controller using MATLAB</i>	<i>National</i>	<i>KPR Institute of Engineering &amp; Technology, Coimbatore</i>	<i>23.09.15</i>
<i>J.Rizwana AP/EEE</i>	<i>Workshop on Hands on training with Arduino Controller using MATLAB</i>	<i>National</i>	<i>KPR Institute of Engineering &amp; Technology, Coimbatore</i>	<i>23.09.15</i>

<i>B.Lalitha AP (Sr.G)/EEE</i>	<i>Workshop on Hands on training with Arduino Controller using MATLAB</i>	<i>National</i>	<i>KPR Institute of Engineering &amp; Technology, Coimbatore</i>	<i>23.09.15</i>
<i>D.Sathish Kumar AP (Sr.G)/EEE</i>	<i>Workshop on Neural Networks and Fuzzy Logic Toolbox using MATLAB</i>	<i>National</i>	<i>KPR Institute of Engineering &amp; Technology, Coimbatore</i>	<i>30.09.15</i>
<i>P.Kamalakaran AP/EEE</i>	<i>Workshop on Neural Networks and Fuzzy Logic Toolbox using MATLAB</i>	<i>National</i>	<i>KPR Institute of Engineering &amp; Technology, Coimbatore</i>	<i>30.09.15</i>
<i>G.Saravanan AP (Sr.G)/EEE</i>	<i>Workshop on Neural Networks and Fuzzy Logic Toolbox using MATLAB</i>	<i>National</i>	<i>KPR Institute of Engineering &amp; Technology, Coimbatore</i>	<i>30.09.15</i>
<i>A.Gowrishankar AP (Sr.G)/EEE</i>	<i>Workshop on Neural Networks and Fuzzy Logic Toolbox using MATLAB</i>	<i>National</i>	<i>KPR Institute of Engineering &amp; Technology, Coimbatore</i>	<i>30.09.15</i>
<i>V.Sudharsan AP (Sr.G)/EEE</i>	<i>Workshop on Neural Networks and Fuzzy Logic Toolbox using MATLAB</i>	<i>National</i>	<i>KPR Institute of Engineering &amp; Technology, Coimbatore</i>	<i>30.09.15</i>
<i>S.Vivekanandan AP (Sr.G)/EEE</i>	<i>Workshop on Neural Networks and Fuzzy Logic Toolbox using MATLAB</i>	<i>National</i>	<i>KPR Institute of Engineering &amp; Technology, Coimbatore</i>	<i>30.09.15</i>
<i>M.Premkumar AP (Sr.G)/EEE</i>	<i>Workshop on Neural Networks and Fuzzy Logic Toolbox using MATLAB</i>	<i>National</i>	<i>KPR Institute of Engineering &amp; Technology, Coimbatore</i>	<i>30.09.15</i>

<i>A.Mohammed Ibrahim AP/EEE</i>	<i>Workshop on Hands on training with Arduino Controller using MATLAB</i>	<i>National</i>	<i>KPR Institute of Engineering &amp; Technology, Coimbatore</i>	<i>23.09.15</i>
<i>J.Rizwana, AP/EEE</i>	<i>Workshop on Modeling and Simulation of Power Systems</i>	<i>National</i>	<i>PSG College of Technology, Coimbatore</i>	<i>14.10.15</i>
<i>P.M.Sneha Angeline, AP/EEE</i>	<i>Workshop on Modeling and Simulation of Power Systems</i>	<i>National</i>	<i>PSG College of Technology, Coimbatore</i>	<i>14.10.15</i>
<i>R.Jeevitha AP/EEE</i>	<i>Workshop on Soft Computing Techniques for Power Systems, Power Electronics &amp; Renewable Energy Sources using MATLAB</i>	<i>National</i>	<i>Kongu Engineering College, Perundurai</i>	<i>16.10.15 - 17.10.15</i>
<i>R.Revathi AP/EEE</i>	<i>Workshop on Soft Computing Techniques for Power Systems, Power Electronics &amp; Renewable Energy Sources using MATLAB</i>	<i>National</i>	<i>Kongu Engineering College, Perundurai</i>	<i>16.10.15 - 17.10.15</i>
<i>B.Lalitha AP (Sr.G) /EEE</i>	<i>Two days Workshop on Optimization Techniques for Electrical Engineering Applications</i>	<i>National</i>	<i>Karunya University, Coimbatore</i>	<i>03.11.15</i>
<i>S.Jose Infant Puvani AP/EEE</i>	<i>Two days Workshop on Optimization Techniques for Electrical Engineering Applications</i>	<i>National</i>	<i>Karunya University, Coimbatore</i>	<i>03.11.15</i>

## Students Achievements

Our Department students K.Lokesh, B.Aravinth Shankar, T.Manoranjan, E.Deenathayalan of III EEE-A submitted a project proposal to Mitsubishi Electric Cup - National Level Automation Project Competition. The proposal got selected in the first 24 teams. The competition is to be held at Vishwakarma Institute of Technology, Pune.

## Students Activities

Name of Student	Event/Activity	Date & Venue	Prize
E.Dhinakaran III EEE	Circuit Debugging	13.08.15 & 14.08.15 SNS College of Engineering, Coimbatore	First
P.M.Kishore III EEE	National Android Apps Championship	29.08.15 KPR Institute of Engineering & Technology, Coimbatore	Third
V.Gohul III EEE	Circuit Debugging	13.08.15 & 14.08.15 SNS College of Engineering, Coimbatore	Second
K.Lokesh III EEE	Project Expo	29.08.15 KPR Institute of Engineering & Technology,Coimbatore	Second
K.Lokesh III EEE	Technical Quiz	13.08.15 & 14.08.15 Adithya Institute of Technology, Coimbatore	Second
B.Aswinth Raj IV EEE	Electro trade	20.08.15 KPR Institute of Engineering & Technology, Coimbatore	First
P.M.Kishore III EEE	Electro trade	20.08.15 KPR Institute of Engineering & Technology, Coimbatore	First
P.Prakash S.Ravieendaran IV EEE	Paper Presentation	03.09.15 Info Institute of Engineering, Coimbatore	First
S.Janarth Kumar IV EEE	Circuito Debogage	13 .08.15 & 14.08.15 SNS College of Engineering, Coimbatore	Second
P.Arun Kumar IV EEE	Project Expo	29.08.15 Adithya Institute of Technology, Coimbatore	Third
M.Rahul, M.Prawin IV EEE	Technical Quiz	29.08.15 Adithya Institute of Technology, Coimbatore	Third

M.Gunasekaran III EEE	National Level Technical Symposium / Connecto	29.09.15 Adithya Institute of Technology Coimbatore	Participation
M.Gunasekaran III EEE	National Level Technical Symposium / Technical Quiz	29.09.15 Adithya Institute of Technology Coimbatore	Participation
M. Gunasekaran III EEE	National Level Technical Symposium / Paper Presentation	29.09.15 Adithya Institute of Technology Coimbatore	Participation
C.S. Dhuvarakesh II EEE	National level mini bike championship	25.09.15 Sri Krishna College of Engineering and Technology, Coimbatore	Participation
M.Rahul III EEE	National Level Technical Symposium / Technical Quiz	19.09.15 Dr.N.G.P.Institute of Technology, Coimbatore	Participation
S.Sivapriya III EEE	National Level Technical Symposium / Paper Presentation	19.09.15 Dr.N.G.P.Institute of Technology, Coimbatore	Participation
M.Prawin III EEE	National Level Technical Symposium / Technical Quiz	19.09.15 Dr.N.G.P.Institute of Technology, Coimbatore	Participation
K.Divya IV EEE	National Level Technical Symposium / Paper Presentation	19.09.15 Dr.N.G.P. Institute of Technology, Coimbatore	Participation
M.Saranya IV EEE	National Level Technical Symposium / Project Presentation	16.09.15 Akshaya College of Engineering, Coimbatore	Participation
K.Divya IV EEE	National Level Technical Symposium / Project Presentation	16.09.15 Akshaya College of Engineering, Coimbatore	Participation
R.Ramesh Krishnan IV EEE	International Conference	13.09.15 Nahar Manchester INN, Coimbatore	Participation
S.Ravieendaran IV EEE	International Conference	13.09.15 Nahar Manchester INN, Coimbatore.	Participation
A.Natarajan IV EEE	International Conference	13.09.15 Nahar Manchester INN, Coimbatore	Participation



<i>U.Rakesh Kishen IV EEE</i>	<i>International Conference</i>	<i>13.09.15 Nahar Manchester INN, Coimbatore.</i>	<i>Participation</i>
<i>G.Judith III EEE</i>	<i>National Level Workshop</i>	<i>09.09.15 Coimbatore Institute of Technology, Coimbatore</i>	<i>Participation</i>
<i>A.Jayamani III EEE</i>	<i>National Level Workshop</i>	<i>09.09.15 Coimbatore Institute of Technology, Coimbatore</i>	<i>Participation</i>
<i>N.Devi Priyadharshini III EEE</i>	<i>National Level Workshop</i>	<i>09.09.15 Coimbatore Institute of Technology, Coimbatore</i>	<i>Participation</i>
<i>E.Deenathayalan III EEE</i>	<i>National Level Workshop</i>	<i>09.09.15 Coimbatore Institute of Technology, Coimbatore</i>	<i>Participation</i>
<i>M.Gunasekaran III EEE</i>	<i>National Level Technical Symposium / Project demonstration</i>	<i>04.09.15 INFO Institute of Engineering, Coimbatore</i>	<i>Participation</i>
<i>T.Gokila Priya III EEE</i>	<i>Workshop</i>	<i>04.09.2015 Sri Eshwar College of Engineering, Coimbatore</i>	<i>Participation</i>
<i>Aishwarya Krishnan III EEE</i>	<i>Workshop</i>	<i>04.09.15 Sri Eshwar College of Engineering, Coimbatore</i>	<i>Participation</i>
<i>M.Gunasekaran III EEE</i>	<i>National Level Technical Symposium / Project presentation</i>	<i>04.09.15 INFO Institute of Engineering, Coimbatore</i>	<i>Participation</i>
<i>P.Deepak Kannan III EEE</i>	<i>National Level Technical Symposium</i>	<i>04.09.15 INFO Institute of Engineering, Coimbatore</i>	<i>Participation</i>

## Proposal Submitted By Students To Funding Agencies

Name of the students	Name of the Project	Funding Agency
A.Sribal J.Ashok R.Mohanraj S.Jaya prasanth	Four Quadrant operation of DC Motor remotely controlled by Android applications	Tamil Nadu State Council for Science & Technology
R.Venkatesh K.P.Meikumarraju K.Gowrisankar J.Antony Jeya Thilager	Damping of low frequency oscillations using Power System Stabilizer for SMIB system	Tamil Nadu State Council for Science & Technology
B.Gokul K.Karthi A.Thiyagaseelan	Speed control of DC Motor using Android speech recognizing via Bluetooth	Tamil Nadu State Council for Science & Technology
D.K.Gokhul S.Rajadurai T.G.Tamilarasan S.Kishore Kumar	Gesture actuated Robotic arm for physically challenged	Tamil Nadu State Council for Science & Technology
S.Shivashankar S.Vinodkumar S.Janarthkumar G.Santhosh	A novel camera based mobile Robot with obstacle avoidance and fire extinguish	Tamil Nadu State Council for Science & Technology
N.Dhanasekar R.Dhivakar P.Arunkumar	Implementation of new topology for PV grid tied module integrated converter	Tamil Nadu State Council for Science & Technology
U.Rakesh Kishen R.Ramesh Krishnan S.Ravieendaran A.Natarajan	Automatic weed detection and plantation of crops in agricultural field	Tamil Nadu State Council for Science & Technology
P.Abinaya A.Lakshmi S.Lakshmi Priya C.Sindhumathi	MPPT based solar photo voltaic for auto irrigation system	Tamil Nadu State Council for Science & Technology
G.Lokeshwari V.Priyadharshini R.Nivetha	Microcontroller based irrigation system using GSM technology	Tamil Nadu State Council for Science & Technology

A.Gayathri I.Merlin Srilaxmi Vasudevan	Quasi Z source network for integrating solar energy in micro grid application	Tamil Nadu State Council for Science & Technology
B.Dhivya R.Karthikeyini M.Medha P.Priyanga	Phase Shift Controlled modular Multilevel DC / DC converter for HVDC systems	Tamil Nadu State Council for Science & Technology
K.Dhanapal M.Gowtham P.Prakash P.Arunkumar	Certain investigation on speed control of BLDC motor for fan applications using optimization techniques	Tamil Nadu State Council for Science & Technology
S.P.Ajitha V.Keerthana M.Saranya	Regenerative Braking in Electric Vehicle	Tamil Nadu State Council for Science & Technology
K.Dhivya T.Divyashree R.Jayadevi T.Thirega	Hand gestures based wheel chair controller for the disabled	Tamil Nadu State Council for Science & Technology
N.Haripriya S.Kalaivani V.Kowsalya M.Sowmya Bharathi	Speed control of three phase Induction motor using predictive torque control scheme	Tamil Nadu State Council for Science & Technology
B.Aswinth Raj R.B.Praveen K.Shiyam Parthiban K.Vignesh	Design of coconut tree climbing Robot	Tamil Nadu State Council for Science & Technology
N.Deepamanikandan K.Gowthamraj Harsh V Radia P.Tamilarasu	Design of a transformer-less grid connected Hybrid PV and wind energy system using MPPT algorithm	Tamil Nadu State Council for Science & Technology
R.Aravind A.R.Aravinth V.Kalaiarasan A.Siranjeevi	Implementation of SEPIC converter in AVR of generating station	Tamil Nadu State Council for Science & Technology
A.Indra Priyadarshini C.V.Poornima R.Ramya J.Vinitha	Swarm of robots moving objects employing Particle Swarm Optimization technique	Tamil Nadu State Council for Science & Technology

## *Proposal Submitted By Faculties To Funding Agencies*

<i>Name of the Faculty</i>	<i>Program</i>	<i>Funding Organization</i>
<i>Mr.V.Sudharshan Ms.J.Rizwana Mr.V.Santhosh Kumar</i>	<i>Two day National level workshop on Soft Computing techniques using MATLAB</i>	<i>Council of Scientific and Industrial Research</i>
<i>Mr.P.Kamalakaran Ms.V.J.Vijayalakshmi Mr.A.Mohammed Ibrahim Ms. Jose Infant Puvani</i>	<i>Two day National level workshop on Modern Power Converters for Renewable Energy Conversions</i>	<i>Ministry of New &amp; Renewable Energy</i>
<i>Ms.B.Lalitha Ms.R.Jeevitha</i>	<i>Two day National level workshop on Power Electronics applications in Energy efficient Renewable &amp; Micro-grid systems</i>	<i>Council of Scientific and Industrial research</i>
<i>Mr.M.Premkumar Mr.D.Sathish Kumar</i>	<i>Two day National level workshop on Hands on training on Embedded System ATMEGA controller</i>	<i>Tamil Nadu State Council for Science and Technology</i>
<i>Dr.V. Kumar Chinnaiyan Mr.P.Kamalakaran Ms.V.J.Vijayalakshmi Mr.A.Mohammed Ibrahim Ms. Jose Infant Puvani</i>	<i>Two day National level workshop on Emerging Trends in Power Systems-Smart Grid</i>	<i>University Grants Commission</i>
<i>Dr.V. Kumar Chinnaiyan Ms.V.J.Vijayalakshmi</i>	<i>Faculty Development Programme on Power System Operation and Control</i>	<i>FDTP Winter Vacation 2015 Centre for Faculty Development Anna University, Chennai</i>
<i>Mr. G. Saravanan Mr. S. Krishna Prabhu Ms. P.M. Sneha Angeline</i>	<i>Two days National Level Seminar on Recent Trends in VLSI Technology for Renewable Energy Sources</i>	<i>Ministry of New &amp; Renewable Energy</i>

## Inplant Training

No	Sem	Name of the Students	Name of Industry	Period	
				From	To
1	VII	A.Thiyagaseelan	Mettur Thermal Power Station - 1	01.06.2015	05.06.2015
2	VII	A.Sribal	Mettur Thermal Power Station - 1	01.06.2015	05.06.2015
3	VII	B.Gokul	Mettur Thermal Power Station - 1	01.06.2015	05.06.2015
4	VII	M.Gowtham	TANGEDCO	02.06.2015	08.06.2015
5	VII	V.Kalaiarasan	TANGEDCO	02.06.2015	08.06.2015
6	VII	U.Rakesh Kishen	TNPL	15.06.2015	19.06.2015
7	VII	K.Karthi	TNPL	27.05.2015	02.06.2015
8	VII	S.Jaya Prasanth	TNPL	17.06.2015	02.06.2015
9	V	E.Rajesh Kumar	Salem Steel Plant	27.06.2015	03.07.2015
10	V	G.Suresh Krishna	Salem Steel Plant	27.06.2015	03.07.2015
11	V	M.Velappan	Salem Steel Plant	27.06.2015	03.07.2015
12	V	E.Nithya Prasanth	Salem Steel Plant	27.06.2015	03.07.2015
13	V	S.Shanthini	Uniq Technologies	19.06.2015	21.06.2015
14	V	R.Sakthivel	Southern Railway	08.06.2015	12.06.2015
15	V	S.Ajaykumar	Sri Matha Spinning Mills Pvt. Ltd.	05.09.2015	06.09.2015
16	V	S.Jothikumar	Integral Coach Factory, Chennai	08.06.2015	13.06.2015
17	V	P.Harishankar	Salem Steel Plant	27.06.2015	03.07.2015
18	V	K.Logesh	Salem Steel Plant	27.06.2015	03.07.2015
19	V	B.Aravinth Shankar	Salem Steel Plant	27.06.2015	03.07.2015
20	V	P.M.Kishore	Salem Steel Plant	27.06.2015	03.07.2015
21	V	T.Manoranjan	Salem Steel Plant	27.06.2015	03.07.2015
22	V	G.Judith	Uniq Technologies	19.06.2015	21.06.2015
23	V	G.Abinaya	Uniq Technologies	19.06.2015	21.06.2015
24	V	N.Devipriyadharshini	Uniq Technologies	19.06.2015	21.06.2015

## Details of Value Added Course

S.No.	Course Name	Year	No. of Students	Date
1	PCB Design	II	68	15.06.15 – 20.06.15
2	Embedded & MATLAB	III	78	15.06.15 – 20.06.15
3	Electrical CADD	IV	71	22.06.15 – 27.06.15

## Sports Activities

S.No	Student Name	Event	Venue	Date
1.	V.Girija	Sports- Handball	Sri Ramakrishna Engineering College, Coimbatore	24.07.2015 - 25.07.2015
2.	V.Kottaimuthu			24.07.2015 - 25.07.2015
3.	K.P.Meikumarraju			24.07.2015 - 25.07.2015
4.	S.Ravieendaran			24.07.2015 - 25.07.2015



## Placement Details

S. No	Name of the Student	Year	Company Name
1	B.Aswinth Raj	IV	Collabera Tech
2	T.Divyashree	IV	Collabera Tech, Vee Technologies, RICO
3	C.V.Poornima	IV	Aspire Systems
4	R.Aravind	IV	Westin Electromech Limited Vee Technologies
5	Harsh V Radia	IV	Westin Electromech Limited
6	V.Keerthana	IV	Vee Technologies
7	S.Lakshmipriya	IV	Vee Technologies RICO
8	I.Merlin	IV	Vee Technologies iNET Technologies
9	P.Priyanga	IV	Vee Technologies
10	V.Priyadharshini	IV	Vee Technologies, Velan BPO
11	T.Thiregha	IV	Vee Technologies
12	R.Ramesh Krishnan	IV	Vee Technologies, iNET Technologies
13	Srilaxmi Vasudevan	IV	Vee Technologies
14	N.Dhanasekar	IV	Velan INFO
15	A.Lakshmi	IV	Velan INFO
16	A.Gayathri	IV	RICO
17	D.K.Gokhul	IV	VDart Tech
18	G.Lokeshwari	IV	VDart Tech
19	R.Ramya	IV	VDart Tech
20	V.Kowsalya	IV	iNET Technologies

## Placement Details

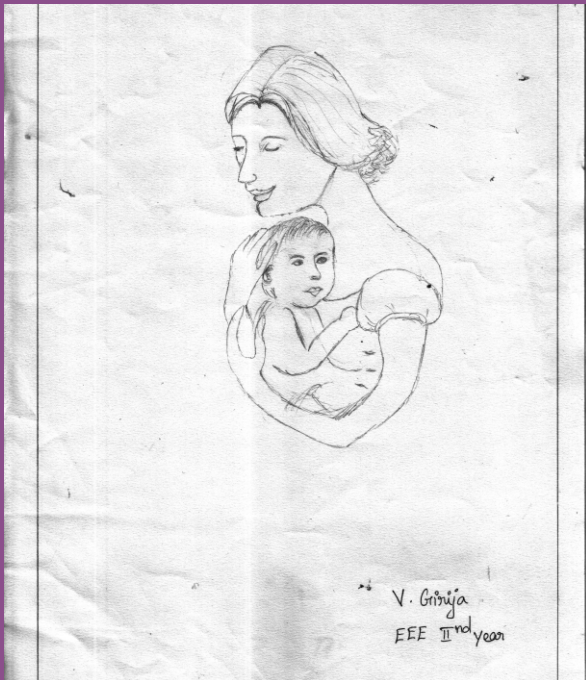
S. No	Name of the Student	Year	Company Name
21	B.Gokul	IV	Hinduja Global Solutions
22	A.Sribal	IV	Hinduja Global Solutions
23	S.Kalaivani	IV	Hinduja Global Solutions
24	N.Haripriya	IV	Hinduja Global Solutions
25	A.Indra Priyadharshini	IV	Hinduja Global Solutions
26	R.Jayadevi	IV	Hinduja Global Solutions
27	R.Dhivakar	IV	Hinduja Global Solutions
28	K.Dhivya	IV	Hinduja Global Solutions
29	S.Shiva Shankar	IV	Hinduja Global Solutions
30	R.Venkatesh	IV	Hinduja Global Solutions
31	G.Santhosh	IV	Hinduja Global Solutions
32	P.Prakash	IV	Hinduja Global Solutions
33	J.Ashok	IV	EP Technologies
34	K.Dhanapal	IV	EP Technologies
35	S.Kishore Kumar	IV	EP Technologies
36	M.Medha	IV	EP Technologies
37	K.P.Meikumarraju	IV	EP Technologies
38	S.Rajadurai	IV	EP Technologies
39	U.Rakesh Kishen	IV	EP Technologies
40	S.Ravieendaran	IV	EP Technologies
41	K.Shiyam Parthiban	IV	EP Technologies
42	K.Vignesh	IV	EP Technologies
43	A.R.Aravinth	IV	EP Technologies
44	P.Arunkumar	IV	EP Technologies
45	A.Natarajan	IV	EP Technologies



# Students Corner



Art Gallery



## The Greenhouse Effect

Solar Radiation passes through the clear atmosphere

Some of the infrared radiation passes through the atmosphere and some is absorbed and re-emitted in the all directions by greenhouse gas molecules.

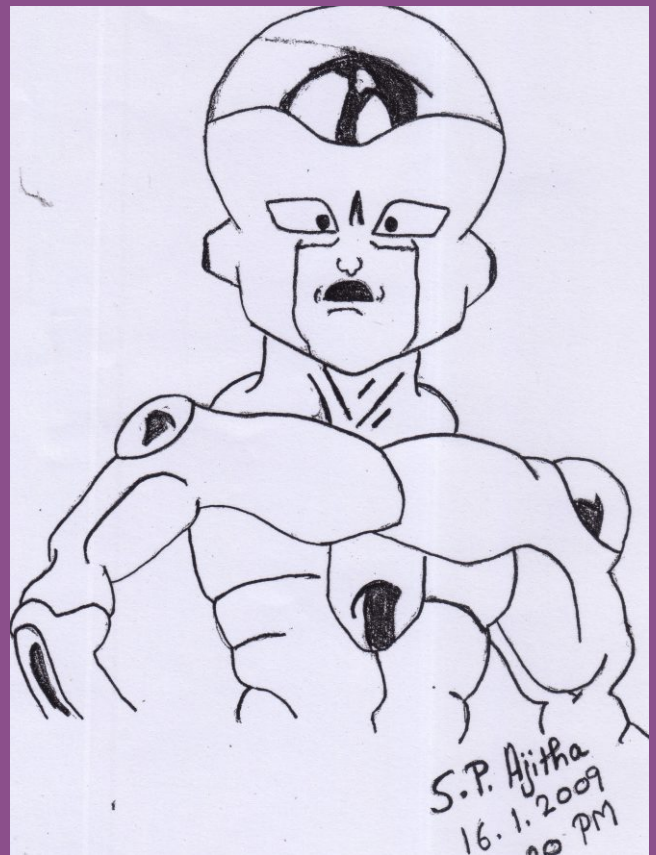
Some solar radiation is Reflected by the Earth and the atmosphere

Most Radiations is absorbed by the Earth's Surface and warms it.

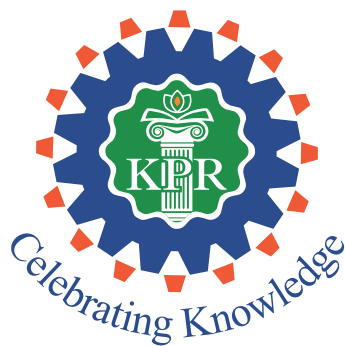
Infrared radiation is emitted from the earth's Surface.

R. HEMAPRIYA  
II<sup>nd</sup> EEE

Without The Natural Greenhouse effect. The Earth's Average Temperature would Be Much colder, And The Plant Would Be covered with ice. Recent Scientific evidence show that the green house effect is being increased by Release of certain gases to the atmosphere that cause the Earth's Temperature is Rise. This is called **GLOBAL WARMING**







# KPR

## Institute of Engineering and Technology

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai -25)

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