



KPR

Institute of Engineering
and Technology

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

Accredited by NBA(CSE,ECE,EEE & MECH) NAAC with 'A' Grade

Arasur, Coimbatore - 641 407

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Electroblitz

Volume 3 Issue 2

DECEMBER 2017

Chief Patron

Shri. K. P. Ramasamy

Chairman

Shri. K. P. D. Sigamani

Managing Director

Patron

Dr. K. Bommanna Raja

Principal, KPR Institute of Engineering and Technology

Dr. S. Ram Kumar

Dean (A&A), KPR Institute of Engineering and Technology

Chief Editor

Dr. V. Kumar Chinnaiyan

Professor and Head/EEE

Editors

Mr. G. Saravanan, AP (Sl.G)/ EEE

Ms. B. Lalitha, AP (Sr.G)/ EEE

Ms. V.J. Vijayalakshmi, AP (Sr.G)/ EEE

Ms. K. Baby, AP/ EEE

Student Editors

Mr. R. Sathish kumar Final EEE 'B' Section

Mr. M. Vivek Final EEE 'B' Section

Mr. M.Mahendran Final EEE 'A' Section

Mr. P. Cella Kumar Final EEE 'A' Section

Mr. B. Prakadeeswaran Pre Final EEE 'B' Section

Mr. P. Gowtham Pre Final EEE 'A' Section



Index

Contents

Pg.No

<i>Vision and Mission</i>	1
<i>PEOs Pos and PSOs</i>	2
<i>Faculty Details</i>	3
<i>Association Activities</i>	5
<i>List of Eminent Academicians/Scientists visited</i>	12
<i>Publication of Papers in the Journal</i>	13
<i>Faculty Publication in Conference Proceedings</i>	14
<i>Faculty Participation in FDP/Workshop</i>	14
<i>Faculty Online Certification Course</i>	16
<i>Faculty Invited Talk</i>	16
<i>Faculty Internship Details</i>	17
<i>Details of Funding Proposals Applied</i>	18
<i>Students Participation in Co-Curricular Activities</i>	20
<i>Students Participation in Paper and Project</i>	24
<i>Students Inplant & Internship Details</i>	26
<i>Value Added Course</i>	29
<i>Research Innovations, Students Research Projects</i>	29



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 social consciousness**.

Mission

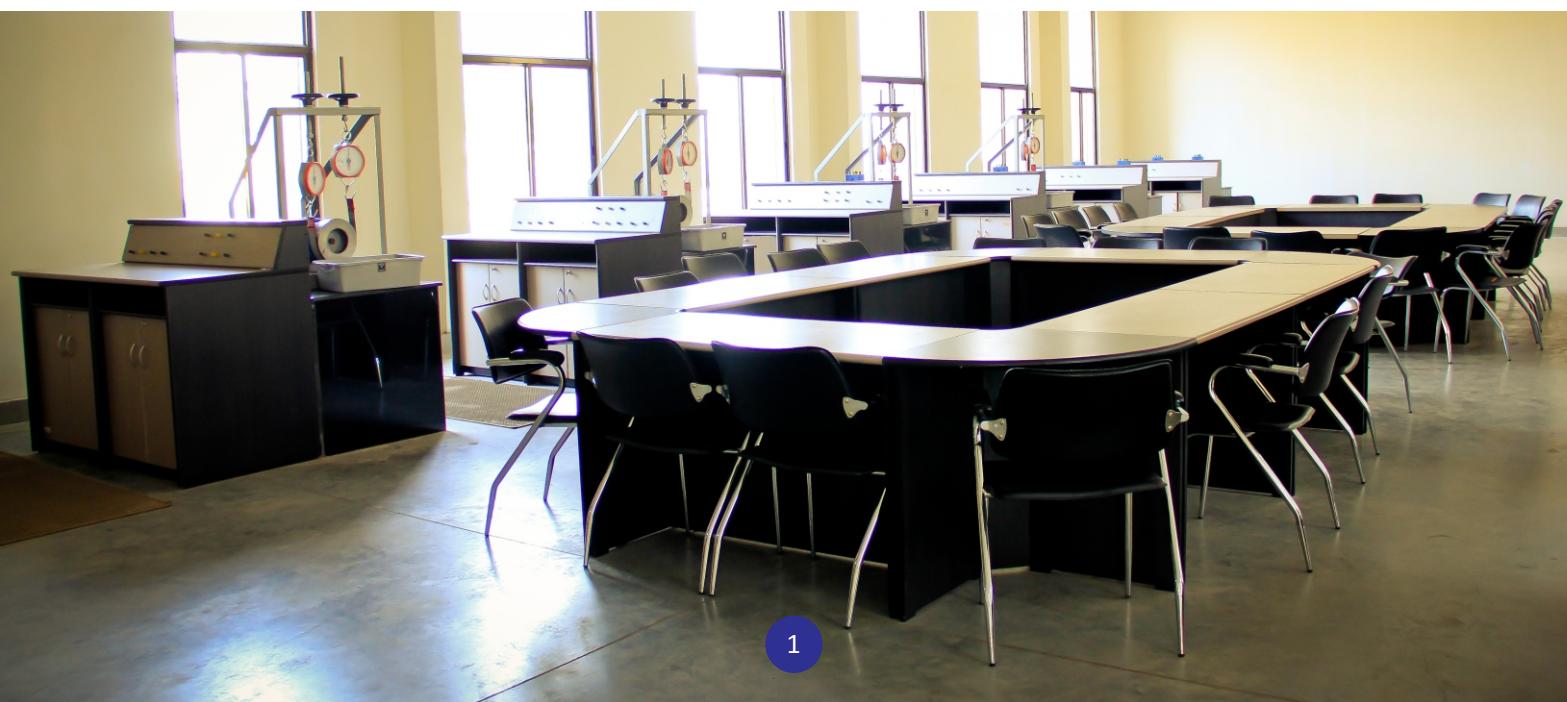
Providing **technical, intellectual and ethical** environment to the students through **knowledge centric education and research**.

Collaborating with industries in the vicinity, nationally and internationally for exposure and **innovation**.

Enabling the students to **serve the society** 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 fervour 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.



PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

The Graduates of Electrical and Electronics Engineering will

- 1.** Possess an adequate knowledge to meet the needs of the stakeholders and excel in their chosen profession with good communication and managerial skills.
- 2.** Adapt to emerging technologies and practice their profession confirming to ethical and human values.
- 3.** Continuously improve the habit of self-study through professional development activities.

PROGRAM OUTCOMES (POs)

Graduates of Electrical and Electronics Engineering will be able to:

- 1. Engineering Knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- 2. Problem Analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- 3. Design/development of Solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- 4. Conduct Investigations of Complex Problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- 5. Modern Tool Usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- 6. The Engineer and Society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- 7. Environment and Sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- 8. Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- 9. Individual and Team Work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

10: Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

11. Project Management and Finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

12. Life-long Learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAM SPECIFIC OUTCOMES (PSOs)

1. Develop skills to the expectations of the dynamic industrial practices in Electrical Engineering and allied areas.
2. Analyse, design and integrate various renewable energy sources to meet the energy demand.

Faculty Details

Teaching faculty Members

S.No	Name	Designation
1)	Dr. S. RAM KUMAR, M.E., Ph.D	Professor and Dean
2)	Dr. V. KUMAR CHINNAIYAN, M.E., Ph.D	Professor and Head
3)	Dr. C. GANESH, M.E., Ph.D	Professor
4)	Dr. J. KARPAGAM, M.E., Ph.D	Professor
5)	Dr. R. UTHIRASAMY, M.E., Ph.D	Associate Professor
6)	Dr. V. KARTHIKEYAN, M.E., Ph.D	Associate Professor
7)	Mr. S. VIVEKANANDAN, M.E., M.I.S.T.E	Assistant Professor (Sl.G)
8)	Mr. G. SARAVANAN, M.E., M.I.S.T.E	Assistant Professor (Sl.G)
9)	Mr. A. GOWRISHANKAR, M.E., M.I.S.T.E	Assistant Professor (Sr.G)
10)	Mr. D. SATHISH KUMAR, M.E., M.I.S.T.E	Assistant Professor (Sr.G)
11)	Mr. S. KRISHNA PRABHU, M.E., M.I.S.T.E	Assistant Professor (Sr.G.)
12)	Ms. B. LALITHA, M.E., M.I.S.T.E	Assistant Professor (Sr.G.)
13)	Ms. V. J. VIJAYALAKSHMI, M.E., M.I.S.T.E	Assistant Professor (Sr.G.)
14)	Ms. R. REVATHI, M.E., M.I.S.T.E	Assistant Professor (Sr.G.)
15)	Mr. P. KAMALAKANNAN, M.E., M.I.S.T.E	Assistant Professor (Sr.G.)

Teaching faculty Members

S.No	Name	Designation
16)	Mr. A. MOHAMED IBRAHIM, M.E., M.I.S.T.E	Assistant Professor (Sr.G)
17)	Ms. R. JEEVITHA, M.E., M.I.S.T.E	Assistant Professor
18)	Ms. P. RAVIKUMAR, M.E.,	Assistant Professor(Sr.G)
19)	Ms. D. ABIYA, M.E.,	Assistant Professor
20)	Mr. K. SIVAKUMAR, M.E.,	Assistant Professor
21)	Ms. R. SHOBANA, M.E.,	Assistant Professor
22)	Ms. B. REVATHI, M.E.,	Assistant Professor
23)	Ms. G. RAMYA, M.E.,	Assistant Professor
24)	Mr. S. SRIRAMPRAKASH, M.Tech.,	Assistant Professor
25)	Mr. S. PRAVEEN KUMAR, M.E.,	Assistant Professor
26)	Ms. M. SOWMYA, M.E.,	Assistant Professor
27)	Mr. K. BALAMURUGAN, M.E.,	Assistant Professor
28)	Ms. T. JAYASUDHA, M.Phil.,	Assistant Professor (Sl. G)
29)	Ms. D. SUDHA, M.Phil.,	Assistant Professor (Sr. G)
30)	Ms. K. BABY, M.Phil.,	Assistant Professor
31)	Ms. M. SATHYA, M.Phil.,	Assistant Professor
32)	Ms. V. SARANYA, M.Phil.,	Assistant Professor

Non-Teaching faculty Members

S.No	Name	Designation
1)	Mr. P. BHAGAVATHY, B.E	Teaching Assistant
2)	Mr. S. SENTHIL KUMAR, DECE	Lab Technician
3)	Mr. M. VINOTH KUMAR, DEEE	Lab Technician
4)	Mr. A. THIRUPATHI, B.E	Lab Technician
5)	Mr. S. SHANMUGAPALANI	Lab Technician
6)	Mr. P. BHARATHIRAJA, BCA	Office Assistant

Association Activities

National level workshop on “Implementation of Teaching and Learning in Higher Education & NBA - SAR Preparation”

The Department of Electrical and Electronics Engineering has conducted two day national level workshop on “**Implementation of Teaching and Learning in Higher Education & NBA - SAR Preparation**” on 16th and 17th June 2017. The special invite Dr.N.Alagumurthi, Professor/Mechanical Engineering, Ponicherry University, emphasized on the present scenario of Engineering Education. He also elaborated the benefits and significance of accreditation. The last session was delivered by Dr.P.Sasikumar, Professor & COE, KPRIET. He discussed about the vision, mission and program educational objectives. On the second day first session was delivered by Dr.C.Karthikeyani, HoD/ECE. She elaborated the course outcomes and program outcomes. The next session was delivered by Dr.R.Uthirasamy, Associate Professor/EEE. He highlighted about the students performance and its importance in NBA. Dr.V.Kumar Chinnaiyan, HoD/EEE elaborated the faculty information and contributions. Dr. S. Manoj Kumar, Professor/CSE explained about the filing of NBA. The workshop was concluded with vote of thanks by Dr.V.Kumar Chinnaiyan, Professor & Head of Electrical and Electronics Engineering Department and feedback from participants.



Guest lecture on “Enhancement of Communication Skills Needed in Corporate Context”

The Department of Electrical and Electronics Engineering has conducted a guest lecture on “**Enhancement of Communication Skills Needed in Corporate Context**” on 30th June 2017. The session was delivered by Dr.P.Malathy, Assistant Professor/English, LRG Government Arts College for Women, Tirupur. Dr.P.Malathy highlighted the fundamentals of vocabulary, online and offline applications to enhance vocabulary and communication. The co-ordinator of the program Ms.T.Jayasudha, AP (Sl.G)/English made all the necessary arrangements for the smooth conduct of the program.



Two day workshop on “Scientific Educational Practices”

The Department of Electrical and Electronics Engineering has conducted a two day workshop on **“Scientific Educational Practices”** on 24th and 25th June 2017. Dr.S.Ramkumar, Dean (Academics & Administration) welcomed the gathering and Dr. K. Bommanna Raja, Principal presided over the function. The session was facilitated by Rajeev Sukumaran, Senior Advisor, Teaching Learning Centre, IIT Madras. He introduced various methods of SEP and in each session practical implementation of these concepts was discussed. The sessions were designed to be concise to give participants more time for practical implementation.



KPR Industry Connect 2017

The Department of Electrical and Electronics Engineering has conducted **“KPR INDUSTRY CONNECT 2017”** on 1st July 2017. The special invite **Mr.D.Rajendran, Director, Zoho Corporation** emphasized on a topic “Three people I see”. He elaborated about attitude of the winners, runners and sitters in his speech. Guest of honor **Mr.T.P.Sivakumar, Technical Head, Hewlett Packard Enterprise** detailed about the skills and uniqueness required to grab the opportunities in the present scenario. The other special invitees were **Mr.T.A.Mathew Gunaseelan, General Manager HR, Yazaki wiring Technologies India Pvt. Limited, Mr.Namburi Manikanta, Campus specialist (Recruitment), Thought works, Mr.C.Arun Abraham, Manager HR, Automotive sector, Ms.R.Gayathri, Manager HR, KONE Elevators India Pvt. Limited, Ms.P.Sunitha, Manager HR, Valeo Services, Mr. T.S.Sunil Kumar, Senior Manager HR, CRMIT, Mr. Lawrence A, Deputy Manager HR, Delphi Automotive systems (P) Ltd., Mr.T.J.Manjunath, Head-HR, Autoliv, Mr. Vignesh Kanniappan, Manager HR, Allison Transmission, Mr. Charles Godwin. P, HR Business partner and public speaker, Mr. Shaji Joseph, DGM, TUV Rheiland.** The talks by the dignitaries were inspirational and they motivated the budding engineers to face the challenges in the society with the note of service and confidence.

Guest Lecture on “Application of Mathematics in Electrical Engineering”

The Department of Electrical and Electronics Engineering has conducted a guest lecture on **“Application of Mathematics in Electrical Engineering”** on 5th July 2017. Dr.V.Kumar Chinnaiyan, Head of the Department welcomed the gathering and Dr.K.Bommanna Raja, Principal presided over the function. The session was delivered by Dr.N. Mohanapriya, Assistant professor, Department of Mathematics, Kongunadu Arts and Science College, Coimbatore. Dr.N.Mohanapriya explained the Mathematical skills and the applications of Matrices, Random process, Radius of curvature in Real life. She also highlighted the applications of Differential Equations, Laplace Transforms, Fourier Transforms in Engineering.

Seminar on “Bifacial Solar Module”

The Department of Electrical and Electronics Engineering has conducted a seminar on “**Bifacial Solar Module**” on 13th July 2017. Dr.V.Kumar Chinnaiyan, Head of the Department welcomed the gathering and Dr.K.Bommanna Raja, Principal presided over the function. The seminar was delivered by Ms.G.Ramya, AP/EEE, KPRIET. She elaborated the solar modules that squeeze more out of current solar cell technology. Nearly 30 faculty members attended the seminar.

Seminar on “Energy Conservation”

The Department of Electrical and Electronics Engineering has conducted a guest lecture on “**Energy Conservation**” on 14th July 2017. Dr.V.Kumar Chinnaiyan, Head of the Department welcomed the gathering and Dr.K.Bommanna Raja, Principal presided over the function. The session was delivered by Er.M.P.Sakthivel, Assistant Engineer, Avalanche Power House 5, Ooty. He explained about energy consumption and energy demand per capita. He also discussed about the importance of energy conservation.



Seminar on “Global Initiative for Academic Networks”

The Department of Electrical and Electronics Engineering has conducted a seminar on “**Global Initiative for Academic Networks**” on 20th July 2017. Dr.V.Kumar Chinnaiyan, Head of the Department welcomed the gathering and Dr.K.Bommanna Raja, Principal presided over the function. The seminar was delivered by Ms.M.Sathya, AP/Maths, Department of EEE, KPRIET. She detailed the opportunities for international higher educational collaboration under MHRD.

Seminar on “Frustration in Magnets through Spin Glass”

The Department of Electrical and Electronics Engineering has conducted a seminar on “**Frustration in Magnets through Spin Glass**” on 28th July 2017. Dr.V.Kumar Chinnaiyan, Head of the Department welcomed the gathering and Dr.K.Bommanna Raja, Principal presided over the function. The seminar was delivered by Ms.V.Saranya, AP/Physics, Department of EEE, KPRIET. She explained the domain of frustrated magnetism which is related to spin glass. Nearly 30 faculty members attended the seminar.

Seminar on “Magic of Mathematics”

The Department of Electrical and Electronics Engineering has conducted a seminar on “**Magic of mathematics**” on 10th August 2017. Dr.V.Kumar Chinnaiyan, Head of the Department welcomed the gathering and Dr.K.Bommanna Raja, Principal presided over the function. The seminar was delivered by Ms.K.Baby, AP/EEE, KPRIET. She explained the clever tricks in mathematics with real world examples.

Association and Renewable Energy Club Inauguration

Department of Electrical and Electronics Engineering of KPR Institute of Engineering and Technology inaugurated its Association and Renewable Energy Club activities on 7th August 2017. A heart-warming welcome remark was delivered by the Head of the Department Dr.V.Kumar Chinnaiyan, and presided over by Dr.S.Ramkumar, Dean (Academics & Administrative) of KPRIET. The Chief Guest of the day was Mr.N.Sampathkumar, Head-Training and Career Advancement Division, Roots Industries. He motivated the student to involve in research and product development at the early stage of their studies and later delivered the Lecture titled "Energy Conservation". He insisted the importance of energy conservation. On this occasion, the dept news letter **Electroblitz** was released. The association coordinator Prof.G.Saravanan introduced the association office bearers and Renewable energy club members for the academic year 2017-2018.

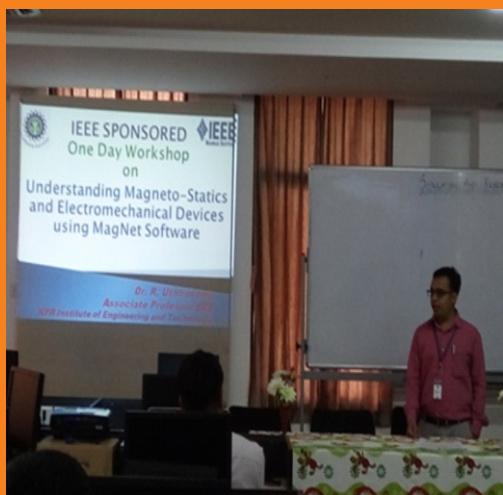


Seminar on "Enhancement of Breakdown Characteristics of Oil Impregnated Pressboards"

The Department of Electrical and Electronics Engineering has conducted a seminar on "**Enhancement of Breakdown Characteristics of Oil Impregnated Pressboards**" on 17th August 2017. Dr.V.Kumar Chinnaiyan, Head of the Department welcomed the gathering and Dr.K.Bommanna Raja, Principal presided over the function. The seminar was delivered by Ms. B. Revathi, AP/EEE, KPRIET. She explained how to improve the breakdown characteristics of pressboard using ester fluids. Nearly 30 faculty members attended the seminar.

Seminar on "Understanding Magnetostatics and Electromechanical Devices using MagNet Software"

The Department of Electrical and Electronics Engineering has conducted a one day workshop on "**Understanding magnetostatics and electromechanical devices using MagNet software**" on 18th August 2017. Dr.V.Kumar Chinnaiyan, Head of the Department welcomed the gathering and Dr.K.Bommanna Raja, Principal presided over the function. The first session was handled by Dr.J.Karpagam, Prof/EEE, KPRIET. The session had information about the fundamentals of magnetostatics and applications of magnetic levitations. The second session was delivered by Prof.P.Ravikumar, AP(Sr.G)/EEE, KPRIET. He explained various tools and process available in the software. Various simulations were also carried out in hands on training.



Tamil Debate on the topic “Students’ success is through experienced learning or through teachers and Institution”

The Department of Electrical and Electronics Engineering has conducted a Tamil Debate on the topic **“Students’ success is through experienced learning or through teachers and Institution”** on 5th September 2017. Dr.V.Kumar Chinnaiyan, Head of the Department welcomed the gathering and Dr.K.Bommanna Raja, Principal presided over the function. IEEE members actively took part in the debate. The debate acted as a platform for the overall growth of the individual.



One Day National Level Technical Event “TECHETHRA – 17”

The Department of Electrical and Electronics Engineering has conducted the One Day National Level Technical Event **“TECHETHRA – 17”** on 9th September 2017. The Head of the Department Dr.V.Kumar Chinnaiyan welcomed the gathering, Dr. K. Bommanna Raja, Principal, and Dr.S.Ramkumar, Dean presided over the function. The chief guest for the event was Dr.Anbalagan Thangavel, System Responsible in Robert Bosch, Coimbatore.

Dr.Anbalagan Thangavel shared his research and field experience in autonomous vehicle, necessity of hybrid energy for future automotive and made the session very interactive, also the queries from the participants and solutions for the same were discussed. Nearly 182 participants from various colleges attended the event. The staff co-ordinator of the event Prof.A.Mohamed Ibrahim, Assistant Professor (Sr. G) and student co-ordinators Mr.C.S.Dhuvarakesh, Mr.S.Shamuga Perumal, Ms.V.Girija, Ms.K.Sharmila Sree of final year (EEE) and Mr.M.G.Ranjith, Mr.T.Mahendra Kumar of third year (EEE), made all the necessary arrangements for the smooth conduct of the program. The scope of this event is to develop an innovative project for easy tomorrow by conserving energy for future India. About 74 projects and 56 posters are presented and the best innovative projects are awarded with attractive cash prizes, certificates and all other participants are recognized with the participant certificate. Other surprising events such as Know your job, Importance of GATE exams, awareness about Public Sector Units, marketing, run and win are also conducted. The event was concluded with the feedback session.

IEEE Day

The Department of Electrical and Electronics Engineering has conducted the IEEE Day on 3rd October'17. The Head of the Department Dr.V.Kumar Chinnaiyan explained the importance of IEEE membership and demonstrated the effective use of IEEE explorer with its benefits to the student members. SB also conducted an essay competition on “The role of technology in rural development”.



Two day National Seminar on “Emerging Technologies and Recent Research on Power Electronics and its Control”

The Department of Electrical and Electronics Engineering has conducted a two day national level seminar on “**Emerging Technologies and Recent Research on Power Electronics and its Control**” on 8th & 9th September 2017. Dr.V.Kumar Chinnaiyan, Head of the Department welcomed the gathering and Dr.K.Bommanna Raja, Principal and Dr.S.Ramkumar, Dean (Academics & Administrative) of KPRIET presided over the function. The first session was handled by Dr.C.Ganesh, Professor/EEE, KPRIET. He delivered about recent trends in control systems and its applications in power electronics. The second session was handled by Dr.R.Uthirasamy, Associate professor/EEE. He delivered about renewable energy resources and its collaboration with power electronics. On the second day the first session was handled by Dr.J.Karpagam, Professor /EEE, KPRIET. She explained about different converter topologies and switching techniques using MATLAB software. The last session was handled by Dr.R.Rajeswari, AP/EEE, GCT, Coimbatore. About 75 participants from various institution participated in the event. Dr.V.Karthikeyan Associate professor/EEE co-ordinated the event and proposed the vote of thanks.



Guest Lecture on “Recent Developments and Applications of Electrical Energy Storage Devices”

The Department of Electrical and Electronics Engineering has conducted a Guest lecture on “**Recent Developments and Applications of Electrical Energy Storage Devices**” on 21st November 2017. Dr.V.Kumar Chinnaiyan, Head of the Department welcomed the gathering and Dr.K.Bommanna Raja, Principal and Dr.S.Ramkumar, Dean (Academics & Administrative) of KPRIET presided over the function. The resource person was Dr. A. Ramasubbu, Assistant Professor of Chemistry, Government Arts College, Coimbatore. Dr. A. Ramasubbu started the lecture with the fundamentals of nanomaterials. He also discussed about nanotechnology, Carbon nanotubes and its applications in electrical energy storage devices. He shared his knowledge on energy sources like nuclear energy, wind energy and solar energy. He also explained about the new type of flow battery which can store ten times the energy of prevailing ones and can charge a mobile in just 10 minutes. He also shared some ideas to do mini projects in electrical energy storage devices and insisted the students to utilize renewable energy resources. Ms.D.Sudha, Assistant professor/EEE co-ordinated the event and proposed the vote of thanks.

Parents' Meeting

The parents meeting was convened on 16.09.2017 (Saturday) in Veena Hall at 3.00pm. Dr. Kumar Chinnaiyan, Head of the Department, Department of Electrical and Electronics Engineering presided over the function and presented the Vision and Mission of the Institution and Department, salient features of the department and institution to the parents. S. Vivekananda, Assistant Professor (Sr.G), Department of Electrical and Electronics Engineering welcomed the gathering. The meeting was attended by around 200 parents.



Three Day Workshop on “Design and Simulation of Electrical System using MATLAB and Simulink”

The Department of Electrical and Electronics Engineering has conducted a three day workshop on “**Design and Simulation of Electrical System using MATLAB and Simulink**” from 20th to 22nd November 2017. Dr.V.Kumar Chinnaiyan, Head of the Department welcomed the gathering and Dr.K.Bommanna Raja, Principal and Dr.S.Ramkumar, Dean (Academics & Administrative) of KPRIET presided over the function. The resource person was Prof.G.Saravanan, Assistant Professor (SI.G)/EEE. In the first session an introduction to the MATLAB and the simulink was given. In the second session he elaborated the application of MATLAB tools. On the second day a brief introduction was given to the graph theory. He also explained the network theorems using analysis of electric circuit theorems using SIMULINK tools. On the last day simulation of AC-DC converters were done using SIMULINK tools. Nearly 75 students from third year attended the workshop.



Three Day Workshop on “Design and Simulation of Renewable Energy System using MATLAB and Simulink”

The Department of Electrical and Electronics Engineering has conducted a three day workshop on “**Design and Simulation of Renewable Energy System using MATLAB and Simulink**” from 23rd to 25th November 2017. Dr.V.Kumar Chinnaiyan, Head of the Department welcomed the gathering and Dr.K.Bommanna Raja, Principal and Dr.S.Ramkumar, Dean (Academics & Administrative) of KPRIET presided over the function. The resource person was Dr.R.Uthirasamy, Associate Professor/EEE. He explained the modeling of solar PV system and he also elaborated the measurement and mitigation of power quality issues. Mini projects were given to the students using MATLAB software. Nearly 75 students and 30 faculty members attended the workshop.

List of Eminent Academicians / Scientists Visited

S.No	Name and Designation	Organization
1	Dr. N. Alagumurthi	Professor / Mechanical Engineering, Pondicherry University.
2	Dr. P. Malathy	Assistant Professor / English, LRG Government Arts College for Women, Tirupur.
3	Mr. Rajeev Sukumaran	Senior Advisor, Teaching Learning Centre, IIT Madras.
4	Mr. D. Rajendran,	Director, Zoho Corporation,
5	Dr. N. Mohanapriya	Assistant Professor, Department of Mathematics, Kongunadu Arts and Science College, Coimbatore.
6	Er. M.P. Sakthivel	Assistant Engineer, Avalanche Power House 5, Ooty.
7	Mr. N. Sampathkumar	Head-Training and Career Advancement Division, Roots Industries.
8	Dr. Anbalagan Thangavel	System Responsible in Robert Bosch, Coimbatore.
9	Dr. R. Rajeswari	Assistant Professor / EEE, GCT, Coimbatore.
10	Dr. A. Ramasubbu	Assistant Professor of Chemistry, Government Arts College, Coimbatore.

Publication of Papers in the Journal

S.No	Name of the Author and co-authors	Title of the paper	Name of the journal	Volume No/ Issue No	Year of Publication
1	Mr. S.Sriramprakash	Stress detection in working people	Elsevier Procedia Computer Science	Vol.115 359-366	October 2017
2	Dr. V. Kumar Chinnaiyan	Design and Analysis of Stepped DC Link Hybrid Converter for Solar PV Systems	Journal of Electrical Systems Scopus Indexed	Vol. 13-03 558-567	November 2017
3	Dr. J. Karpagam	Design and Analysis of Stepped DC Link Hybrid Converter for Solar PV Systems	Journal of Electrical Systems Scopus Indexed	Vol. 13-03 558-567	November 2017
4	Dr. V.Karthikeyan	Design and Analysis of Stepped DC Link Hybrid Converter for Solar PV Systems	Journal of Electrical Systems Scopus Indexed	Vol. 13-03 558-567	November 2017
5	Ms. V.J. Vijayalakshmi	Design and Analysis of Stepped DC Link Hybrid Converter for Solar PV Systems	Journal of Electrical Systems Scopus Indexed	Vol. 13-03 558-567	November, 2017
6	Dr. R. Uthirasamy	Design and Analysis of Stepped DC Link Hybrid Converter for Solar PV Systems	Journal of Electrical Systems Scopus Indexed	Vol. 13-03 558-567	November, 2017
7	Dr. R. Uthirasamy	Implementation of Multi Level Inverter for Solar Powered Industrial UPS Applications	International Journal of Electrical and Electronics Engineers. Scopus Indexed	Vol. 09- 02.	November 2017
8	Dr. J. Kapagam	Implementation of Multi Level Inverter for Solar Powered Industrial UPS Applications	International Journal of Electrical and Electronics Engineers. Scopus Indexed	Vol. 09 - 02	November 2017
9	Mr. P. Ravi Kumar	Implementation of Multi Level Inverter for Solar Powered Industrial UPS Applications	International Journal of Electrical and Electronics Engineers. Scopus Indexed	Vol. 09- 02.	November 2017

10	Ms. V. J. Vijayalakshmi	Implementation of Multi Level Inverter for Solar Powered Industrial UPS Applications	International Journal of Electrical and Electronics Engineers. Scopus Indexed	Vol. 09 - 02.	November 2017
11	Ms. G. Ramya	Comparative Study on Control Methods for PMSM Based Wind Energy Using PI and Fractional Order Controller	International Journal of Control Theory and Applications	Vol. 10 - 29, 253-263	October 2017

Faculty Publication in Conference Proceedings

S.No	Name of the Author and co-authors	Title of the paper	Name of the journal	Date
1	Ms. D. Sudha	Microwave Assisted Synthesis Of Novel Nanoparticles For Environmental Application	National Conference- PSGR Krishnammal College for Women	10/08/2017 to 11/08/2017
2	Ms. D. Sudha	Green Synthesis And Characterization Of Nanocomposites	International Conference - Bannari Amman Institute of Technology Received BEST PAPER AWARD	17/08/2017 to 19/08/2017
3	Ms. G. Ramya	Implementation Of Photovoltaic Fed Single Phase Nine Level Hybrid Cascaded Modular Multilevel Inverter With Reduced Number Of Devices	12th IEEE International conference on Power Electronics and Drive System (PEDS 2017)	12/12/2017 to 15/12/2017

Faculty Participation in FDP/Seminar/ Workshop/ Orientation Program

S.No	Name of the Faculty	Title of Program	Title of the Course	Venue	Date
1	Ms. B. Lalitha	STTP	Two week ISTE STTP on Electric Power System Remote Center	Remote Center: RVS College of Engineering and Technology	12/06/2017 to 15/07/ 2017
2	Mr. D. Sathishkumar	STTP	Two week ISTE STTP on Electric Power System	Remote Center: RVS College of Engineering and Technology	12/06/2017 to 15/07/ 2017

3	Ms. B. Revathi	Workshop	National	KPR Institute of Engineering and Technology	11/08/2017 to 12/08/2017
4	Dr. C. Ganesh	Seminar	National	KPR Institute of Engineering and Technology	08/09/2017
5	Ms. B. Lalitha	Workshop	Design of Stand Alone and Grid Connected Solar PV Systems	VIT University	08/09/2017 to 09/09/2017
6	Ms. R. Jeevitha	Workshop	Design of Stand Alone and Grid Connected Solar PV Systems	VIT University	08/09/2017 to 09/09/2017
7	Mr. G. Saravanan	FDP	Energy Ambassador	PSG Tech	18/09/2017
8	Ms. R. Revathi	Project Presentation	Energy Monitoring and Management For Smart Campus	AICTE, New Delhi	19/09/2017
9	Mr. P. Ravi Kumar	Workshop	GIAN Course on Intelligent Electrical Power Grids	National Institute of Technology, Trichy.	27.11.2017 to 01.12.2017
10	Mr. A. Mohamed Ibrahim	FDP	National	Karpagam Institute of Technology, Coimbatore.	06/12/2017 to 12/12/2017
11	Mr. D. Sathish Kumar	FDP	National	Karpagam Institute of Technology, Coimbatore.	06/12/2017 to 12/12/2017
12	Mr. P. Kamalakannan	Seminar	AICTE Sponsored Two day Seminar on "Smart Grid & Cyber Security"	Government College of Technology, Coimbatore	06/12/2017 to 07/12/2017
13	Mr. S. Vivekanandan	Seminar	National	Government College of Technology, Coimbatore	06/12/2017 to 07/12/2017
14	Ms. M. Sowmya	Seminar	National	Kongu Engineering College, Perundurai.	15/12/2017 to 16/12/2017

15	Mr. A. Gowri Shankar	Conference	Development of Smart Inverters for Photovoltaic and Energy storage	TRP Engineering College, Trichy	20/12/2017
16	Ms. M. Sathya	Seminar	Numerical Techniques for PDE's	Erode Sengunthar Engineering College	22/12/2017 to 23/12/2017
17	Dr. K. Baby	Seminar	Numerical Techniques for PDE's	Erode Sengunthar Engineering College	22/12/2017 to 23/12/2017

Faculty Online Certification Course

S.No	Name of the Faculty	Type of Program	Title of the Course	Topic	Date
1	Dr. C. Ganesh	Online Certification Course	Qualified 12 weeks course from NPTEL	Control Engineering	09/10/2017
2	Mr. A. Mohamed Ibrahim	Online Certification Course	Qualified 12 weeks course from NPTEL	Power System Analysis	09/10/2017
3	Mr. P. Ravikumar	Online Certification Course	Qualified 8 weeks course from NPTEL	Introduction to R Software	09/10/2017

Faculty Invited Talk

S.No	Name of the Faculty	Type of Program	Title of the Course	Venue	Date
1	Ms. B. Lalitha	Resource Person - Guest Lecture	Guest Lecture on Control Systems	Excel College of Engineering and Technology	24/08/2017
2	Dr. J. Karpagam	Resource Person-Seminar	Emerging Technologies and Recent Research on Power Electronics and Its Control	KPR Institute of Engineering and Technology	08/09/2017 to 9/09/2017.
3	Dr. C. Ganesh	Resource Person-Seminar	Emerging Technologies and Recent Research on Power Electronics and Its Control	KPR Institute of Engineering and Technology	08/09/2017 to 9/09/2017

4	Dr. R. Uthirasamy	Resource Person-Seminar	Emerging Technologies and Recent Research on Power Electronics and Its Control	KPR Institute of Engineering and Technology	08/09/201 to 9/09/2017.
5	Ms.D.Sudha	Resource Person - Guest Lecture	Essentials of Nuclear Chemistry	TIPS Global Institute, Coimbatore	21/10/2017
6	Dr. R. Uthirasamy	Resource Person-Workshop	Design and Simulation of Electrical Systems Using Matlab/ Simulink	KPR Institute of Engineering and Technology	21/11/2017 to 26/11/2017
7	Mr. G. Saravanan	Resource Person-Workshop	Design and Simulation of Electrical Systems Using Matlab/ Simulink	KPR Institute of Engineering and Technology	21/11/2017 to 26/11/2017
8	Ms.V.J.Vijayalakshmi	Resource Person-Workshop	Anna University sponsored one week FDP on Design of Electrical Machines	Karpagam Institute of Technology	06/12/2017 to 12/12/2017
9	Mr.P.Ravikumar	Resource Person-FDP	Anna University sponsored one week FDP on Design of Electrical Machines	Karpagam Institute of Technology	06/12/2017 to 12/12/2017

Faculty Internship Details

S.No	Name of the Faculty	Industry	Duration
1	Mr. A.Mohamed Ibrahim	Swelect Energy Systems Limited	27/11/2017 to 29/11/2017
2	Dr.R. Uthirasamy	Swelect Energy Systems Limited	27/11/2017 to 29/11/2017
3	Mr.D.Sathish Kumar	Iswelect Energy Systems Limited	27/11/2017 to 29/11/2017
4	Mr.S.Vivekanandan	Skytech Power systems, Coimbatore.	28/11/2017 to 02/12/2017
5	Ms.R.Revathi	MaxBe Pumps, Coimbatore	18/12/2017 to 23/12/2017

6	Mr.S.Krishna Prabhu	Skytech Power systems, Coimbatore.	28/11/2017 to 02/12/2017
7	Mr.P. Kamalakannan	Skytech Power systems, Coimbatore.	28/11/2017 to 02/12/2017
8	Ms.M.Sowmya	MAS Solar Systems Private Limited	18/12/2017 to 23/12/2017
9	Dr.J.Karpagam	Textro Electronics Private Limited	28/11/2017 to 26/11/2017
10	Ms.V.J.Vijayalakshmi	Textro Electronics Private Limited	21/11/2017 to 26/11/2017
11	Ms. B.Lalitha	Textro Electronics Private Limited	21/11/2017 to 26/11/2017
12	Dr. R. Uthirasamy	Swelect Solar Power Park, Vellakoil, Karur	27/11/2017 to 29/11/2017

Details of Funding Proposals Applied

S.No	Name of the Faculty	Program	Funding Organization
1	Mr.S.Vivekanandan	Research Perspectives of Power Electronic Converters for Renewable Energy Applications	Indian Society of Technical Education
2	Ms.D.Sudha	National seminar on “Potential Applications of Green Chemistry” (NSPAGC'17)	Tamil Nadu State Council for Science & Technology
3	Ms.D.Sudha	National seminar on “Advances in Bioactive Heterocyclic Compounds for Cancer Therapy” (NSABHC'18)	Indian Council for Medical Research
4	Mr.S.Sriramprakash	Affective Computing using IoT	Indian Council for Medical Research
5	Ms.G. Ramya	Two Day National Level seminar on“Research Challenges on Bifacial Solar Photovoltaic (BiPV) System	Council of Scientific and Industrial Research (CSIR)
6	Mr. M.Sowmya	National Seminar–Research Challenges in Integrating Renewable Energy Sources.	Council of Scientific and Industrial Research
7	Mr.S. Krishna Prabhu	One Day National Level Seminar on “Life Assisting Nano Robotic 3d Surgical Techniques”	Indian Council of Medical Research(ICMR)

8	Ms.B.Revathi	National Level Seminar	Indian National Science Academy, New Delhi
9	Mr.P.Ravi Kumar	Progress of Soft Computing Techniques and Intelligent Controllers in Autonomous Rovers	Department of Scientific Organisation
10	Ms.G. Ramya	Two Day National Level seminar on "Research Challenges on Bifacial Solar Photovoltaic (BiPV) System"	Council of Scientific and Industrial Research
11	Dr.R.Uthirasamy Dr.J.Karpagam Ms. V. J Vijayalakshmi	Mitigation of Chaotic Behaviour and Electro Magnetic Interference In Grid Connected Solar PV Systems	Science and Engineering Research Board
12	Dr.R.Uthirasamy Ms. V.J.Vijayalakshmi Mr.P. Ravi Kumar	Awareness on Electronic Waste Management	The Ministry of Environment & Forests
13	Dr.R.Uthirasamy Dr.V. Kumar Chinnaiyan Dr.J.Karpagam	Design and Development of Intelligent Boost Hybrid Converter for Industrial Roof Top Solar Pv Applications	Science and Engineering Research Board
14	Mr.A.Mohamed Ibrahim	Advanced Power Converters for Renewable Energy Conversions	Ministry of New & Renewable Energy
15	Dr.C.Ganesh	National Seminar titled "Progress of soft computing techniques and intelligent controllers in autonomous rovers"	Department of Space, ISRO, Bengaluru
16	Dr.C.Ganesh	National Seminar titled "Control strategies and soft computing techniques in Power Electronics - A Recent Perspective"	INSA, New Delhi
17	Mr.D.Sathishkumar Ms.B.Lalitha Mr.A.Mohamed Ibrahim	Hybridization of Solar Thermal Power Technologies and other Renewable Energy Sources for Micro Grid System"	Ministry of New & Renewable Energy
18	Ms.B.Lalitha Mr.D.Sathishkumar Mr.A.Mohamed Ibrahim	National Level Workshop on Enhancement of Efficient Grid Connected Solar PV System	Ministry of New & Renewable Energy
19	Dr.V.Kumar Chinnaiyan Dr.J.Karpagam Ms.V.J.Vijayalakshmi	Innovative Andragogical and Effective Teaching – Learning Methodologies for Millennium Generation Learners	AICTE STTP Programme

Students Participation in Co-Curricular Activities

.S. No	Name of the Student	Event/Activity	Organizing Institution	Venue	Date
1	Kirubaaharan J.S.	Seminar	Adithya Institute of Technology	Coimbatore	14/07/2017
2	Martina Hingish G.	Workshop	Sri Eshwar College of Engineering	Coimbatore	21.07.2017 to 22.07.2017
3	Aruthra G.	Workshop	Sri Eshwar College of Engineering	Coimbatore	21.07.2017 to 22.07.2017
4	Shanmugaperumal S.	Workshop	KPR Institute of Engineering and Technology	Coimbatore	21.07.2017 to 20.07.2017
5	Gokul J.	Training Program	Kongu Engineering College	Perundurai	05/08/2017
6	Jagadesh P.	Training Program	Kongu Engineering College	Perundurai	05/08/2017
7	Harikrishnan R.	Training Program	Kongu Engineering College	Perundurai	05/08/2017
8	Guna G.	Training Program	Kongu Engineering College	Perundurai	05/08/2017
9	Harisudhan U	Training Program	Kongu Engineering College	Perundurai	05/08/2017
10	Dhanush	Hands on Training	KPR Institute of Engineering and Technology	Coimbatore	12/08/2017
11	Abarna M.	Hands on Training	KPR Institute of Engineering and Technology	Coimbatore	12/08/2017
12	Anushiya R.	Hands on Training	KPR Institute of Engineering and Technology	Coimbatore	12/08/2017
13	Arun kumar M.	Hands on Training	KPR Institute of Engineering and Technology	Coimbatore	12/08/2017
14	Aravinth R.	Hands on Training	KPR Institute of Engineering and Technology	Coimbatore	12/08/2017
15	Abirami K.	Hands on Training	KPR Institute of Engineering and Technology	Coimbatore	12/08/2017

16	Dhenesh raajan K.	Hands on Training	KPR Institute of Engineering and Technology	Coimbatore	12/08/2017
17	Gurupraman G.	Hands on Training	KPR Institute of Engineering and Technology	Coimbatore	12/08/2017
18	Shanmathi V.S.	Hands on Training	KPR Institute of Engineering and Technology	Coimbatore	12/08/2017
19	Pragadhe S.	Hands on Training	KPR Institute of Engineering and Technology	Coimbatore	12/08/2017
20	Nethra M.	Hands on Training	KPR Institute of Engineering and Technology	Coimbatore	12/08/2017
21	Rajashree V.	Hands on Training	KPR Institute of Engineering and Technology	Coimbatore	12/08/2017
22	Srivathsalyan N.	Hands on Training	KPR Institute of Engineering and Technology	Coimbatore	12/08/2017
23	Sreenithi S.G.	Hands on Training	KPR Institute of Engineering and Technology	Coimbatore	12/08/2017
24	Satheesh Kumar C.	Hands on Training	KPR Institute of Engineering and Technology	Coimbatore	12/08/2017
25	Rajarajan K.	Hands on Training	KPR Institute of Engineering and Technology	Coimbatore	12/08/2017
26	Subash K.	Hands on Training	KPR Institute of Engineering and Technology	Coimbatore	12/08/2017
27	Uma Shankar S.	Hands on Training	KPR Institute of Engineering and Technology	Coimbatore	12/08/2017
28	Santhosh P.	Hands on Training	KPR Institute of Engineering and Technology	Coimbatore	12/08/2017
29	Satheesh C.	Hands on Training	KPR Institute of Engineering and Technology	Coimbatore	12/08/2017

30	SelwinPaullove C.	Hands on Training	KPR Institute of Engineering and Technology	Coimbatore	12/08/2017
31	NirmalPrachant G.	Workshop	KPR Institute of Engineering and Technology	Coimbatore	18/08/2017
32	Rajesh Kumar R.	Workshop	KPR Institute of Engineering and Technology	Coimbatore	18/08/2017
33	Shabareshan M.	Workshop	KPR Institute of Engineering and Technology	Coimbatore	18/08/2017
34	Harikrishnan R.	Workshop	KPR Institute of Engineering and Technology	Coimbatore	18/08/2017
35	Gokul J.	Workshop	KPR Institute of Engineering and Technology	Coimbatore	18/08/2017
36	Abarna M.	Workshop	KPR Institute of Engineering and Technology	Coimbatore	18/08/2017
37	Elakkiya M.	Workshop	KPR Institute of Engineering and Technology	Coimbatore	18/08/2017
38	Gokula Priya M.	Workshop	Coimbatore Institute of Technology	Coimbatore	19/08/2017
39	Infranta Merlin	Workshop	Coimbatore Institute of Technology	Coimbatore	19/08/2017
40	Gayathri M.	Workshop	Coimbatore Institute of Technology	Coimbatore	19/08/2017
41	Priya G.	Workshop	Coimbatore Institute of Technology	Coimbatore	19/08/2017
42	Vannatharini P.	Workshop	Coimbatore Institute of Technology	Coimbatore	19/08/2017
43	Pragadhe S.	Workshop	Coimbatore Institute of Technology	Coimbatore	19/08/2017

44	Sujitha R.	Workshop	Coimbatore Institute of Technology	Coimbatore	19/08/2017
45	Dhenesh raajan K.	Workshop	Coimbatore Institute of Technology	Coimbatore	23/08/2017
46	Muralidharan	Workshop	Coimbatore Institute of Technology	Coimbatore	23/08/2017
47	Deepika M.	ICT Academy Youth Leadership Summit 2017	Codissia Hall	Coimbatore	23/08/2017
48	Girishankar A.	ICT Academy Youth Leadership Summit 2017	Codissia Hall	Coimbatore	23/08/2017
49	Kamalikoshy	ICT Academy Youth Leadership Summit 2017	Codissia Hall	Coimbatore	23/08/2017
50	Abdul Muqsit M.	ICT Academy Youth Leadership Summit 2017	Codissia Hall	Coimbatore	23/08/2017
51	Akash B.	Workshop	Sri Ramakrishna Engineering college	Coimbatore	24/08/2017
52	Gowtham K.	Workshop	Sri Ramakrishna Engineering college	Coimbatore	24/08/2017
53	Harshidha P.R.	Workshop	Sri Ramakrishna Engineering college	Coimbatore	24/08/2017
54	Sreenithi S.G.	Workshop	Bannari Amman Institute of Technology	Sathyamangalam	08/09/2017 - 09/09/2017
55	Subash M.	Technical Event	Bannari Amman Institute of Technology	Sathyamangalam	08/09/2017 - 09/09/2017
56	Sudhakaran A.	Seminar	KPR Institute of Engineering and Technology	Coimbatore	08/09/2017 - 09/09/2017
57	Pragathe M.	Workshop	Sri Ramakrishna Engineering College	Coimbatore	17/09/17 - 18/09/17

58	Rajesh Kumar R.	Workshop	Sri Ramakrishna Engineering College	Coimbatore	17/09/17 - 18/09/17
59	Mohan Kumar E.	Workshop	Bannari Amman Institute of Technology	Sathyamangalam	07/09/2017 - 09/09/2017
60	Vijay E.	Workshop	KPR Institute of Engineering and Technology	Coimbatore	09/09/2017
61	Sriram T.	Workshop	KPR Institute of Engineering and Technology	Coimbatore	09/09/2017

Paper and Project Presentation

S.No.	Name of the Student	Organizing Institution	Venue	Date	Prize
1	Sanjay Singaravelu R.	Coimbatore Institute of Technology	Coimbatore	19/08/2017	Participation
2	Shanmathi V.S.	Coimbatore Institute of Technology	Coimbatore	19/08/2017	Participation
3	Hari Haran S.	Coimbatore Institute of Technology	Coimbatore	08/09/2017 to 09/09/2017	Participation
4	Gowtham K.	Coimbatore Institute of Technology	Coimbatore	08/09/2017 to 09/09/2017	Participation
5	Priya G.	KPR Institute of Engineering and Technology	Coimbatore	09/09/2017	Participation
6	Nethra M.	KPR Institute of Engineering and Technology	Coimbatore	09/09/2017	Participation
7	Rajashree V.	KPR Institute of Engineering and Technology	Coimbatore	09/09/2017	Participation
8	Karthick M.	KPR Institute of Engineering and Technology	Coimbatore	09/09/2017	Participation

9	Anuraaghavi M.N.	Energy Ambassadors PSG College of Technology	Coimbatore	18/09/2017	<i>Consolation prize- Rs. 1000/-</i>
10	Gaythri A.	Energy Ambassadors PSG College of Technology	Coimbatore	18/09/2017	<i>Consolation prize- Rs. 1000/-</i>
11	Gowrishankar U.K.	Energy Ambassadors PSG College of Technology	Coimbatore	18/09/2017	<i>Consolation prize- Rs. 1000/-</i>
12	Anadan A.	Energy Ambassadors PSG College of Technology	Coimbatore	18/09/2017	<i>Consolation prize- Rs. 1000/-</i>
13	Mahendra Kumar T.	Energy Ambassadors PSG College of Technology	Coimbatore	18/09/2017	<i>Consolation prize- Rs. 1000/-</i>
14	Sreenithi S.G.	Energy Ambassadors PSG College of Technology	Coimbatore	18/09/2017	<i>Consolation prize- Rs. 1000/-</i>
15	Akhil Dinesh A.N.	AICTE	New Delhi	19/09/2017	Participation
16	Arun K.S.	AICTE	New Delhi	19/09/2017	Participation
17	Manikandan C.V.	AICTE	New Delhi	19/09/2017	Participation
18	Kavin Kumar P.	AICTE	New Delhi	19/09/2017	Participation
19	Shanmugaperumal. S	Communication Mentorship - Siddha Naidu Memorial Higher Secondary School	Coimbatore	23/11/2017	1 st Prize

STUDENTS INPLANT TRAINING DETAILS

S.No.	Semester	Name of the Student	Name of Industry	Period	
				From	To
1	III	Bavithra P.	Windcare India Pvt.Ltd	04/12/2017	06/12/2017
2	III	Kousalya J.	Windcare India Pvt.Ltd	04/12/2017	06/12/2017
3	III	Indhirani D.	Windcare India Pvt.Ltd	04/12/2017	06/12/2017
4	III	Infranta Merlin I.	Windcare India Pvt.Ltd	04/12/2017	06/12/2017
5	III	Murali R.	Windcare India Pvt.Ltd	04/12/2017	06/12/2017
6	III	Devaprakash L.	Windcare India Pvt.Ltd	04/12/2017	06/12/2017
7	III	Sujitha R.	Windcare India Pvt.Ltd	04/12/2017	06/12/2017
8	V	Elavarasu P.	230/110kV Substation, Arasur	04/12/2017	06/12/2017
9	V	Elavarasu P.	110/11kV Substation/Arasur	07/12/2017	08/12/2017
10	V	Sandhiya B.	Kundha Power Station	09/12/2017	10/12/2017
11	V	Yuvanesh R.	Kundha Power Station	09/12/2017	10/12/2017
12	V	Naveen M.	Kundha Power Station	09/12/2017	10/12/2017
13	V	Prakadeeswaran B.	Kundha Power Station	09/12/2017	10/12/2017
14	V	Prabhu M.	Kundha Power Station	09/12/2017	10/12/2017
15	V	Prabhushankar M.	Kundha Power Station	09/12/2017	10/12/2017
16	V	Vasanth S.	Kundha Power Station	09/12/2017	10/12/2017

17	V	NirmalPrachant G.	Kundha Power Station	09/12/2017	10/12/2017
18	V	Noorsleena S	Kundha Power Station	09/12/2017	10/12/2017
19	V	Nivashini S.	Kundha Power Station	09/12/2017	10/12/2017
20	V	Vyshali B.	Kundha Power Station	09/12/2017	10/12/2017
21	V	Sangavai S.	Dharmapuri Sub Station	09/12/2017	10/12/2017
22	III	Rajashree V.	Enbest pumps(India) Pvt. Ltd	06/12/2017	12/12/2017
23	III	Shanmathi V.S.	Enbest pumps(India) Pvt. Ltd	06/12/2017	12/12/2017
24	III	Nethra M.	Enbest pumps(India) Pvt. Ltd	06/12/2017	12/12/2017
25	III	Selvakumar S.	Besten Pumps	06/12/2017	12/12/2017
26	III	Rahul S.	Besten Pumps	06/12/2017	12/12/2017
27	III	Raggav S.	Besten Pumps	06/12/2017	12/12/2017
28	III	Prakash S.K.	PPCL, Pondicherry	06/12/2017	12/12/2017
29	III	Sriram T.	PPCL, Pondicherry	06/12/2017	12/12/2017
30	III	Gokul J.	Enbest pumps(India) Pvt. Ltd	06/12/2017	15/12/2017
31	III	Muralidharan K.	Enbest pumps(India) Pvt. Ltd	06/12/2017	15/12/2017
32	V	Nathiyadevi N.	TNEB, Dharmapuri	11/12/2017	15/12/2017
33	V	Boopal J.	TNEB, Dharmapuri	11/12/2017	15/12/2017

STUDENTS INTERNSHIP TRAINING DETAILS

S.No.	Semester	Name of the Student	Name of Industry	Period	
				From	To
1	VII	Sathishkumar R.	Ampere Vehicles Pvt Ltd	03/07/2017	03/08/2017
2	VII	Rajkumar S.	Ampere Vehicles Pvt Ltd	03/07/2017	03/08/2017
3	VII	Mahendran M.	Ampere Vehicles Pvt Ltd	03/07/2017	03/08/2017
4	VII	Joy Daniel M.	Ampere Vehicles Pvt Ltd	03/07/2017	03/08/2017
5	V	Malarvili S.	ZF Wind Power Coimbatore Private Ltd	30/11/2017	30/12/2017
6	V	Saranya M.	ZF Wind Power Coimbatore Private Ltd	30/11/2017	30/12/2017
7	V	Noorsleena S.	NLC India Limited, Neyveli	13/12/2017	26/12/2017
8	V	Nivashini S.	NLC India Limited, Neyveli	13/12/2017	26/12/2017
9	V	Vyshali B.	NLC India Limited, Neyveli	13/12/2017	26/12/2017
10	V	Aruthra G.	NLC India Limited, Neyveli	13/12/2017	26/12/2017
11	VII	Fabin Roy M.	Roots Industries, Coimbatore	18/12/2017	02/01/2018
12	VII	Kottaimuthu V.	Roots Industries, Coimbatore	18/12/2017	02/01/2018
13	VII	Girija V.	Thought Bees Technologies Private Limited, Coimbatore	18/12/2017	02/01/2018
14	VII	Hemapriya R	Thought Bees Technologies Private Limited, Coimbatore	18/12/2017	02/01/2018
15	VII	Gowtham K	CRI Pumps, Coimbatore	18/12/2017	11/01/2018

Value Added Course

S.No.	Course Name	Year	No. of Students	Period	
				From	To
1	Design and Simulation of electrical system using MATLAB/SIMULINK	III	58	20/11/2017	25/11/2017
2	Virtual Instrumentation using LABVIEW	II	87	07/12/2017	13/12/2017

Research Innovations

The Department of EEE established the 16 kWp solar power plant to promote the renewable energy sources such as solar and wind energy as alternative sources of energy. This power plant is used to undertake research oriented projects using renewable energy sources such as solar and wind energy and study the power quality issues in electrical systems.

Research Project titled High Efficient Solar fed Grid Connected Power Management System costing Rs.4.79 Lakhs was completed during July 2017 in association with Dev Solar, Coimbatore. In this project, the power management of photo voltaic system has been investigated for real time applications. The task of energy management system is to manage the electrical energy between source and load. To validate the performance of power management system, a prototype model of solar power based converter system is designed and experimented for various load conditions. More than 6000 units were generated from the solar system so far with an average of 21 units per day. There is 20% savings out of investment made for installation of the system.

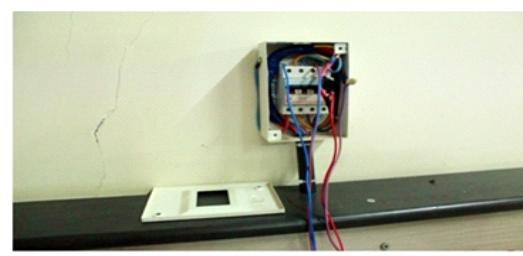
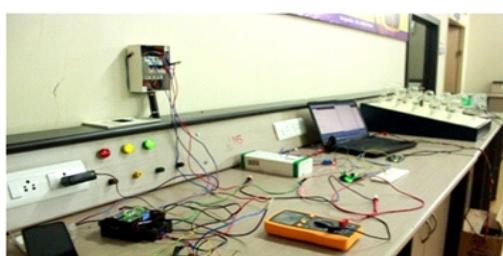


Students Research Projects

The final year students Mr.A.N.Akhil Dinesh, Mr.K.S.Arun, Mr.P.Kavinkumar, project titled Energy monitoring and management for smart campus was presented in AICTE-Startup Project Contest at AICTE, New Delhi in August 2017. This project is proposed to measure and monitor the load consumed by an institute and regulate power factor by controlling the loads. Usage of excess of unwanted loads can be restricted, which in turn maintains the tariff under normal level. Power quality engineer work is reduced by implementing electronic controllers. Installing cost of capacitor banks and human effort to maintain capacitor banks are reduced. As the measured data are transmitted through wireless medium, human error in measurement is also reduced. Due to correction in power factor, tariff will be maintained properly.

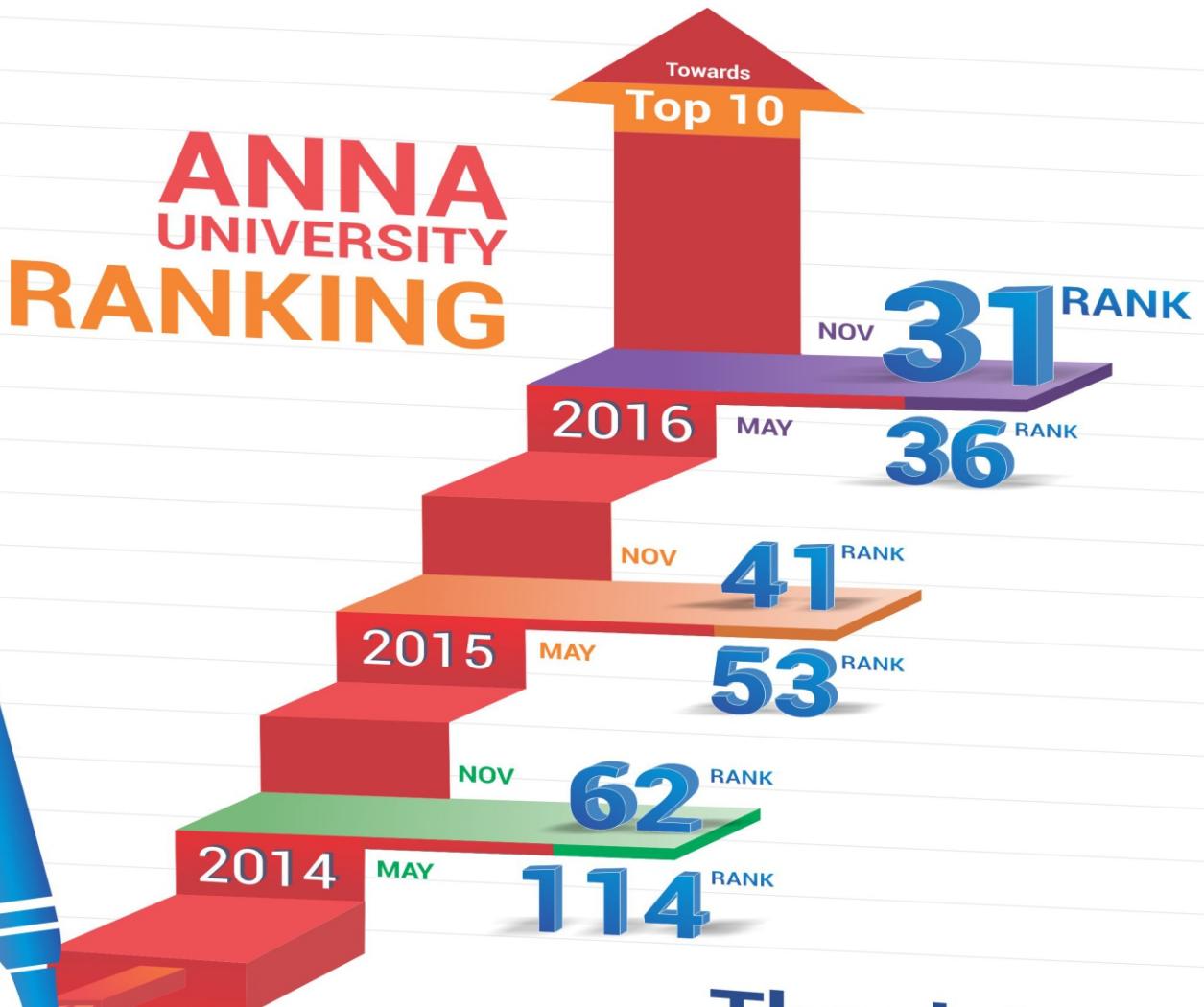


The final year students Mr.A.N.Akhil Dinesh and K.S.Arun are participated in Intel National Level Project Competition and received Rs.10,000 worth Edison kit for their research innovation.





Proud to Share



Our college Ranking published by Anna University based on
Academic performance in various Examinations.

Thank You

Faculty Members, Staff, Students & Stake holders



Top Engineering College
Ranked by State
Rank 17



Outstanding Engineering
Colleges of Excellence
Rank 31



Top Private T Schools
2017 - India
Rank 71