



# Ramco Institute of Technology



## Department of Electrical and Electronics Engineering

***RIT-ELECTRA***



***NEWS LETTER***

***JUNE 2016-MAY 2017***



### Department of Electrical and Electronics Engineering:

The Department of Electrical and Electronics Engineering is established in the year 2013. Currently, it offers a 4 year Under-Graduate programme, B.E. Electrical and Electronics Engineering with a sanctioned intake of 60.

The objective of the Department is to impart quality education and competitive training that will transform Students into Professional Engineers who are prepared to meet the needs of the society and adapt to the rapidly changing technology in various areas of Electrical and Electronics Engineering.

The Department has well-qualified and experienced Faculty members with specialization in Power Systems, High Voltage Engineering, Power Electronics and Control Systems. The Faculty members also have wide experience in teaching. They have a strong sense of responsibility to provide the finest possible engineering education to the students.

The Department has dedicated and state-of-the-art laboratories and leading softwares like DIGSILENT Lab VIEW Academy, ETAP, MATLAB, PLC/SCADA and Power World Simulator to cater to academic and research activities. It provides the Students with an in-depth knowledge in fundamentals and practical applications, so that he/she can pursue for wide-range of career opportunities.

The Department conducts Workshops, Seminars and Conferences and invites renowned academicians and industrial experts to enable the Students and Faculty to update with the latest developments. It also encourages Students to interact with Experts from Industries and other prominent Institutions.



*Dr. S. Kannan, Professor and Head*

### Vision:

❖ To produce highly competent Electrical and Electronics Engineers with professional skills and a sense of ethics to meet the demands of technologically advancing society.

### Mission:

❖ Empowering the students with up-to-date knowledge and technological skills in Electrical and Electronics Engineering thrust areas.

❖ Providing a rigorous practical training through industrial collaboration to produce Electrical and Electronics Engineers with good design experience.

❖ Adopting effective teaching learning methodologies and value added courses to create Electrical and Electronics Engineers with a strong fundamental knowledge.

❖ Enabling the students to be “life-long” learners to meet intellectual, ethical and career challenges.

### Program Educational Objectives (PEOs):

❖ Graduates will have adequate knowledge in basic science, mathematics and engineering necessary to formulate, solve and analyse electrical and electronics problems.

❖ Graduates will have the ability to apply engineering & management skills in their own / team projects in multidisciplinary environment, leading to successful careers and research.

❖ Graduates will have ability to engage in lifelong learning and an appreciation for professional ethical behaviour.

❖ Graduates will demonstrate technical knowledge and ethical values for professional development to meet the societal needs.

### Program Specific Outcomes (PSOs):

❖ Model and analyze the performance of Electrical Machines, Control and Instrumentation systems and Power and Power Electronic systems.

❖ Design the hardware and software requirements for the development of Electrical drives and Industrial Automation systems.

❖ Provide socially acceptable technical solutions to complex electrical engineering problems with the application of modern and appropriate techniques for sustainable development.

❖ Apply the knowledge of ethical standards and management principles required to work in a team.

#### Editorial Desk:

I am happy to inform you that, as part of our department Association activities, The Newsletter for June 2016 to May 2017 contains various activities carried out by the students and faculty members of the department of EEE.

- Dr. S. Kannan

#### *04.06.2016 to 10.06.2016 A seven day Anna University approved FDTP on "IC6501 – Control Systems"*

The Department of Electrical and Electronics Engineering of Ramco Institute of Technology successfully conducted a Seven Day Anna University approved Faculty Development Training Programme (FDTP) on IC6501 – Control Systems during June 04-10, 2016. Eight participants from various Engineering Colleges in Tamil Nadu and seven internal participants had registered and participated in this programme. The inaugural function was held on 4<sup>th</sup> June, 2016 at 9.00 AM. The Co-ordinator, Dr. S. Kannan, Professor and Head, Department of Electrical and Electronics Engineering welcomed the gathering. Dr. S. Jeyadevi, Professor / EIE, Kamaraj College of Engg. & Tech., Virudhunagar delivered the Inaugural address.



*Inauguration of Anna University approved FDTP on "IC6501-Control Systems"*

Eminent Speakers from Premier Institutions and Host Institution, delivered lectures on various topics related to IC6501 – Control Systems.

The Valedictory function was held on 10<sup>th</sup> June 2016 at 4.00 PM. Mr.K.Karthikeyan, AP/EEE presented the highlights and summarized the benefits of the program. Dr.S.Kannan, Professor and Head, Department of Electrical and Electronics Engineering presided over the function and proposed the vote of thanks.

*Report by: Mr. K. Karthikeyan, AP/EEE*

#### *11.06.2016 to 14.06.2016 A 3 Day Training programme on "PLC/HMI/SCADA Hardware / Software"*

Three days training programme on "PLC/HMI/SCADA" has been conducted for faculty members (Dr. R. Arun, Mr. S. Nirmalkumar, Mr. S. Meenakshi Sundaravel and Mr. S. Viignesh) of Ramco Institute of Technology during June 11- 14, 2016. Mr. Muthukumar, Trainer and Mr. Sujith, Site Engineer from Automation Cognitions, Chennai conducted the training programme.



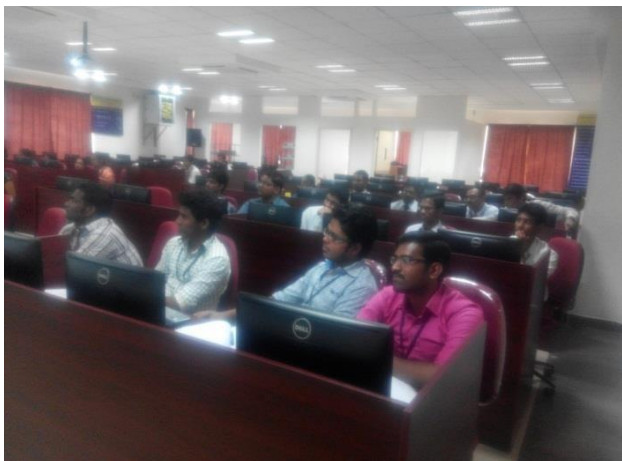
*Faculty members attending training on PLC/HMI/SCADA Hardware/Software*

On the first day, the basics of PLC hardware and architecture, Handling of Input/Output Devices, Ladder logic construction, Programming in PLC has been discussed. On the second day, HMI screen designing, interfacing HMI with PLC has been discussed. The third day was about the introduction to SCADA, creating a new SCADA project and more. From this programme, faculty members gained experience in programming the industrial controllers using PLC, HMI/SCADA.

*Report by: Mr. S. Nirmalkumar, AP/EEE*

**15.06.2016 to 21.06.2016 A Seven day Training Programme on “NI Certified Developer (CLAD)”**

A seven day training programme on “NI – Certified LabVIEW Associate Developer (CLAD)” was conducted during June 15-21, 2016. Six faculty members from EEE, ECE & Mechanical department and 25 students from ECE & EEE department participated and benefited from this training programme. Dr. S. Kannan, Prof. & Head, Department of EEE, Ramco Institute of Technology delivered the welcome address. The resource persons Mr. K. Sivanathan, Sr. Application Engineer & Ms. K. Keerthana, Application Engineer, from National Instruments, Bangalore explained about the importance of LabVIEW software. The trainers initiated the training with a brief overview about NI LabVIEW CLAD certification and its benefits.



*Students attending LabVIEW training*

During training, they explained about the main elements of LabVIEW, front panel and block diagram, important shortcut keys and various data types like integer, boolean, numeric, double, string, cluster and dynamic. They also explained the above concepts with simple programming exercises. Other important topics such as for loop, while loop, case structures, arrays, sequence structures, graphs and charts, file I/O, enumeration, variables and nodes were also discussed with many examples. The entire session was interactive and useful for both faculty members and students who were going to appear for the CLAD certification exam. Further, the training also gave an idea about publishing research papers in the area of NI LabVIEW hardware and software with respect to real time applications.



*Mr. K. Sivanathan, Sr. Application Engineer, National Instruments addressing the gathering*

The programme was very useful and innovative, rated with the positive feedback by the students and faculty members. In their feedback, students said that the training will be helpful for them to do mini projects and UG projects.

*Report by: Ms. M. Eswari, AP/EEE*

**20.06.2016 to 22.06.2016 A 3 day training programme on “DIgSILENT- POWER FACTORY”**

A three day Faculty training program on “DIgSILENT- POWER FACTORY” was held during June 20 – 22, 2016 for 5 faculty members Dr. S. kannan, Mr. A. Arun Kumar, Mr. S. Nirmalkumar, Mr. E. Thangam and Mr. S. Viignesh.



*Faculty members attending the training program*

Mrs. Kritika Sharma, Application Engineer, TVASTAR Engineering Solutions Pvt., Ltd., Delhi conducted the training program.



In the training program, the topics such as load flow analysis, short circuit analysis, transient stability analysis, technoeconomical solution, optimal power flow, contingency analysis, cable sizing and relay coordination were dealt with suitable case studies and examples using DIgSILENT software.

*Report by: Mr. A. Arun Kumar, AP/EEE*

**18.07.2016 RIT-ELECTRA “Inauguration of EEE association”**

The inaugural function of department of EEE association RIT ELECTRA for the academic year 2016 - 2017 was held on July 18, 2016. Mr.P.Saravanan, Managing Director, solariz-ReGen pvt. Ltd., was the chief guest of the function. The function started at 4.00 PM. Students from second, third and fourth year and faculty members of EEE department attended the function. The function started with a welcome address by Ms. T. Pavethra (III year EEE), secretary, RIT-ELECTRA Association. Mr. D. Karthik Prabhu, the faculty coordinator of RIT-ELECTRA announced the annual plan of the association for the academic year 2016-2017. Dr. S. Kannan, HoD/EEE honoured the chief guest with a shawl and the memento. Mr. P. Prem Kumar of III year EEE gave a brief introduction about the chief guest. It was followed by chief guest address. Mr. P. Saravanan gave a brief introduction about the importance and significance of solar energy and pointed out some of the important solar projects which are yet to be commissioned. He also shared his knowledge about the operation and installation of solar PV panels.

Finally, the inauguration function ended with a vote of thanks by Mr. M. Jaganathan of II year EEE.

*Report by: Ms. M. Eswari, AP/EEE*

**06.08.2016 Industrial Visit to Rajapalayam Mills Limited, Rajapalayam**

RIT-ELECTRA arranged a half a day industrial visit to Rajapalayam Mills, Rajapalayam between 2.30 PM and 5.00 PM for the II year students of EEE. The students were accompanied by two faculty members, Mr. D. Karthik Prabhu, AP/EEE & Ms. M. Eswari, AP/EEE. One of the supervisors explained the fire safety methods in the industry for creating awareness among the students. The chief electrical engineer took the students into the mill. The students were grouped into

batches and were explained the different sections of the mill starting from the power house, transformer, bus bars, circuit breakers and generators. The students were also taken to the section where the thread is made from the cotton. Finally an interactive session was arranged with the engineers and the students were made to clarify their doubts. The visit came to an end at 5.00 PM.

*Report by: Ms. M. Eswari, AP/EEE*

**19.08.2016 to 20.08.2016 “TECHYUGA’16” – a state level technical symposium**

The state level Technical Symposium Techyuga’ 16 was held between August 19-20, 2016. The symposium was jointly organized by Civil, ECE, EEE, CSE and Mechanical departments. The chief guest for the inauguration function shared wonderful words of encouragement with the students quoting the need to invest in improving the practical knowledge of every engineering student apart from the theoretical knowledge they gain in the course of their study.

On behalf of Department of EEE, five events were conducted on 19<sup>th</sup> August, 2016. Around 120 participants from various colleges were actively participated in the events - Master In You, Tech-No-Tech, Fun On, Solariz and Circuitonics. In addition to that, paper presentation was also conducted. 39 Students from various Engineering colleges actively participated in the event and presented their papers. A workshop on “Arduino” was conducted on 20<sup>th</sup> August, 2016. Around 67 members have participated and gained knowledge.

The State Level Technical Symposium came to an end by the felicitation of winners of various competitions with Cash Prizes and certificates. Finally the program ended with the vote of thanks by Dr. S. Periyarayagi, HoD i/c, ECE department.

*Report by: Ms. M. Eswari, AP/EEE*

**02.09.2016 Industrial Visit to L&T Switch gear training centre, Coonoor.**

RIT-ELECTRA arranged a one day Industrial Visit to L&T Switch gear training centre, Coonoor for III year EEE students. 63 students of third year EEE were accompanied by 4 faculty members: Mr. N. Ganesh, AP/EEE, Mr. A. Arun Kumar, AP/EEE, Ms. J. Sabthami, AP/CSE and Ms. P. Abinaya, AP/CSE. The visit included a seminar on “Modern Trends in Electrical



Engineering” for about a half day. An overview of electrical safety, power generation, transmission and distribution in India and typical industrial power distribution was well explained to the students. Various models of LV switch gear, contactors, relays, motor starters, LV circuit breakers, HRC (High Rupturing Capacity) fuses, SDF (Switch Disconnecter Fuse) unit were shown. An interactive session was arranged in which the doubts of the students were clarified by the industry trainers. The visit came to an end at 4.00 PM.



*Students at Industrial Visit, L&T Switch gear, Conoor*

*Report by: Mr. N. Ganesh, AP/EEE*

#### **15.09.2016 Engineers’ Day Celebration**

RIT celebrated the Engineers’ Day on September 15, 2016. The celebration started with the distribution of chocolates to the budding engineers. The inaugural address was delivered by the principal, Dr.R.V.Mahendra Gowda. He gave a brief introduction and history of Engineers’ day. He also created awareness among the young blooming engineers about the importance of Engineering and Engineers in the world by showing videos about the great engineer Sir M. Visvesvaraya. His speech inspired the students.

Department of EEE also celebrated Engineers’ day by conducting various events for II year and III year students from 3.00 PM to 5.00 PM. Students participated in various events enthusiastically.

*Report by: Ms. M. Eswari, AP/EEE*

#### **25.11.2016 to 30.11.2016 Value added course on “Arduino with IoT”**

A value added course on Arduino with IoT was organized by the Department of Electrical and Electronics Engineering for the second year students during November 25-30, 2016. Totally 60 students had attended this course. The resource persons

Mr. M. Kannan, Mr. K. Moorthi, Senior Engineers & Mr. P. Kesavan, Application Engineer, from Enthu Technologies, Coimbatore conducted this course. During training, the concepts of LED & switch interfacing, interfacing LDR, PIR sensors were discussed. Each student was given an Arduino board and required accessories and hands-on training was given to all students.



*Inauguration of value added course “Arduino with IOT”*

The advanced topics like Wi-Fi, data monitoring, accelerometer were also discussed. In feedback, students said that the training will be helpful to do mini projects and UG projects. Overall, the training was found to be very useful.



*Students attending the course “Arduino with IOT”*

*Report by: Ms. M. Eswari, AP/EEE*

#### **12.12.2016 to 16.12.2016 Value added course on “LabVIEW”**

The value added course on LabVIEW is organized by the Department of Electrical and Electronics Engineering for the third year students during December 12 – 16, 2016. Totally 62 students attended this course. The resource persons are Mr. D. Rajasekaran

and Mr. Anishkumar from M/s. Optithought, Bangalore conducted this course. During training, the concepts of data type conversion, string operations and basic logic gates implementation were taught. The concepts of special data types like arrays, clusters, switch cases, parallel execution of loops, local variable were also explained clearly. At the end, hands-on training was given to the students with my DAQ kit. This course was very much helpful to the students. In their feedback, students said the training will be helpful to do mini projects and UG projects.



*Value added course on "LabVIEW"*



*Students attending the course "LabVIEW"*

In the feedback session, students said the training will be helpful for them to do mini projects and UG projects. Overall, the training was found to be very useful.

*Report by: Ms. M. Eswari, AP/EEE*

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### **26.10.2016 Guest Lecture on "Electromagnetic Theory"**

A guest lecture on "EE6302 – Electromagnetic Theory" was arranged by RIT-ELECTRA on October 26, 2016 for II year EEE students. Dr. R. Rajan Prakash, Assistant Professor (Sr.Gr), Thiagarajar College of Engineering, Madurai addressed the students. In his lecture, he explained the basics of Electrostatics, Magnetostatics and Electro-dynamic fields. 66 students of II year EEE were attended the lecture. On the whole, the lecture brushed up the basics of electromagnetic fields which will help the students for writing the University examination.

*Report by: Ms. M. Eswari, AP/EEE*

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### **15.12.2016 Industrial Visit to Rajapalayam Mills Limited, Rajapalayam**

RIT-ELECTRA arranged a half a day industrial visit to Rajapalayam Mills Limited, Rajapalayam between 2.30 PM and 5.00 PM for 55 students of I year EEE. The students were accompanied by two faculty members: Mr. D. Karthik Prabhu, AP/EEE & Mrs. K. Abilasha, AP/English. One of the supervisors explained the awareness about fire safety methods in the industry to the students. The chief electrical engineer took the students into the mill. The students were formed in batches and were explained the different sections of the mill starting from the power house, transformer, bus bars, circuit breakers and generators. Also the students were taken to the section where the thread is made from the cotton. Finally an interactive session was arranged with the engineers to clarify their doubts. The visit came to an end at 5.00 PM.

*Report by: Ms.M.Eswari, AP/EEE*

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### **15.02.2017 Field Visit to RIT Solar Plant**

RIT-ELECTRA arranged a field visit to RIT solar plant on February 15, 2017 for IV year EEE students from 10.45 AM to 11.45 AM. The students were accompanied by two faculty members, Dr. S. Kannan, HoD/EEE and Ms. M. Eswari AP/EEE. The students were separated into 3 batches and Mr. M. Rengasubramaniyan, Electrical Engineer, RIT Power House explained the layout and installation of the solar plant, total number of solar panels, material used for making solar panel, inverters and maximum power



point trackers. Since the students were studying about a solar PV system in their course EE6009 Power Electronics for Renewable Energy Systems, this practical exposure enriched their knowledge.



*Students at Field Visit – “RIT Solar Plant”*

After completion of the visit, the students were explored to the solar plants, inverters, types of batteries used for solar plant, charging and discharging rates of a battery and connecting a solar plant to the grid.

*Report by: Ms. M. Eswari, AP/EEE*

#### **28.02.2017 National Science Day Celebration**

National Science Day was celebrated on February 28, 2017. To expose the talents of the students during the National Science Day celebration, a Project Expo was conducted to I, II and III year students of EEE. 33 students of I year EEE registered 10 project teams and enthusiastically participated in the project-expo. In the same way, almost all the II and III year students were also given their participation. To encourage the students, a committee consisting of 3 members evaluated the students' projects and announced the prize winners of the Project-Expo. The Department of EEE conducted a technical quiz as a part of the National Science day celebration. Students actively participated in the event. Mr. A. Arun Kumar & Mr. E. Thangam conducted the event. K. Balamurugan, P. Amarnath of III year EEE won I prize. K. Varunkumar, A. Mohamed Sameer of III year EEE won II prize. K. Balamurugan, G. Chandru of III year EEE won III prize.



*Students attending Quiz*

*Report by: Mr. E. Thangam, AP/EEE*

#### **28.02.2017 Essay Writing Competition**

RIT-ELECTRA conducted an essay writing competition in association with IE(I) Student Chapter. The faculty co-ordinators Mr. D. Karthik Prabhu, AP/EEE & Mr. S. Viignesh, AP/EEE conducted the essay writing competition on February 28, 2017 at Control & Instrumentation Laboratory, Department of EEE. Totally 21 students from various departments participated in the competition and gave their writings on the topic “SCIENCE AND TECHNOLOGY FOR SPECIALLY ABLED PERSONS”. Out of 21 students A. A. Muhtu Janani, III year CIVIL got I Prize, C. Ramadevi, II year EEE got II prize and U. Keerthana, I year CSE got III Prize. The prizes were distributed to the students during National Science Day celebrations.

*Report by: Mr. S. Viignesh, AP/EEE*

#### **24.03.2017 Field Visit to RIT Power House**

RIT-ELECTRA arranged a field visit to the RIT Power House on March 24, 2017 for II year EEE students. The students were accompanied by three faculty members, Mr. D. Karthik Prabhu, AP/EEE, Mr. E. Thangam, AP/EEE, Ms. M. Eswari AP/EEE and taken to the visit by 3.20 PM. The students were formed in 3 batches and were explained about transformer, bus bar arrangements, and types of cables, circuit breaker, relays, and different types of earthings.



**Students at Field Visit – “RIT Power House”**



**Students at Field Visit – “RIT Power House”**

The faculty members clarified the doubts asked by the students. Finally the visit came to an end at 05.00 P.M.

*Report by: Mr. D. Karthik Prabhu, AP/EEE*

**25.03.2017 One day seminar on “Energy Conservation in Home and Small Office”**

RIT-ELECTRA in association with IE(I) student chapter arranged a one day seminar on “**Energy Conservation in Home and Small Office**” on 25 March 2017 at the EEE Seminar Hall. Dr. V. Saravanan, Associate Professor, Thiagarajar College of Engineering, Madurai gave a special lecture about the energy conversation methodologies.



**Dr. V. Saravanan addressing the gathering**

In his lecture, he addressed various energy conservation techniques that can be adopted in home and small offices so as to save energy and reduce the usage of electricity. All the lab technicians from various departments, faculty members and students of Department of EEE attended and benefited by the lecture.

*Report by: Ms. M. Eswari, AP/EEE*

**08.04.2017 Line Follower - Event**

RIT-ELECTRA conducted an event “Line Follower” for I, II and III year EEE students. The objective of the contest was for a robot to follow a black line on a white background, without losing the line. The robot has to complete the task in a shortest period of time from start to finish. 15 teams from I, II and III year EEE participated in this event. Based on the rules and regulations, the event was conducted and prizes were announced. I prize was shared by a team of members from I year EEE and II prize was shared by a team of members from III year EEE.

*Report by: Ms. M. Eswari, AP/EEE*

**28.03.2017 RIT ELECTRA valedictory**

The association valedictory of RIT-ELECTRA was conducted on 28 March 2017. The function started with the prayer. Ms. T. Pavethra (III year EEE), Secretary, RIT ELECTRA welcomed the gathering. Mr. D. Karthik Prabhu, Association In-charge presented the annual report for the academic year 2016-17. Dr. S. Saravanan, Professor/EEE, B V Raju Institute of Technology, Hyderabad was invited as the chief guest. He delivered the lecture on the topic of “Indian Power Scenario”.



**Valedictory of EEE Association RIT-ELECTRA**

His speech inspired the students.

*Report by: Ms. M. Eswari, AP/EEE*



**STUDENT ACTIVITIES**  
**AWARDS & HONOURS RECEIVED**

M.Sivabalan, IV year EEE, secured III position in “**Table Tennis**” in Anna University/ Zonal tournaments conducted at the Dr. Sivanthi Adithanar College of Engineering, Thoothukudi during August 18-19, 2016.

K. Jagadheep Kanna, II year EEE of RIT AVENGERS house, won II prize in the event “**Discus Throw**” conducted during 4<sup>th</sup> Sports Day Celebration at Ramco Institute of Technology, Rajapalayam on April 22, 2017.

K. Jagadheep Kanna, II year EEE of RIT AVENGERS house, won II prize in the event “**Table Tennis**” conducted during 4<sup>th</sup> Sports Day Celebration at Ramco Institute of Technology, Rajapalayam on April 22, 2017.

K. JagadheepKanna, II year EEE of RIT AVENGERS house, won III prize in the event “**Javelin Throw**” conducted during 4<sup>th</sup> Sports Day Celebration at Ramco Institute of Technology, Rajapalayam on April 22, 2017.

S. Ramanan, II year EEE of RIT COMMANDOS house, won I prize in the event “**Volley Ball**” conducted during 4<sup>th</sup> Sports Day Celebration at Ramco Institute of Technology, Rajapalayam on April 22, 2017.

A.VigneshKarthick, II year EEE of RIT INVINCIBLE house, won II prize in the event “**Foot Ball**” conducted during 4<sup>th</sup> Sports Day Celebration at Ramco Institute of Technology, Rajapalayam on April 22, 2017.

R.A.Nijanthan Raja, II year EEE of RIT CHALLENGERS house, won I prize in the event “**Foot Ball**” conducted during 4<sup>th</sup> Sports Day Celebration at Ramco Institute of Technology, Rajapalayam on April 22, 2017.

A.Vignesh Karthick, II year EEE of RIT INVINCIBLE house, won I prize in the event “**Carrom**” conducted during 4<sup>th</sup> Sports Day Celebration at Ramco Institute of Technology, Rajapalayam on April 22, 2017.

A. Vigneshwaran, III year EEE of RIT INVINCIBLE house, won II prize in the event “**Ball Badminton**” conducted during 4<sup>th</sup> Sports Day Celebration at Ramco Institute of Technology, Rajapalayam on April 22, 2017.

M.Sivapraksah, III year EEE of RIT INVINCIBLE house, won II prize in the event “**Ball Badminton**” conducted during 4<sup>th</sup> Sports Day Celebration at Ramco Institute of Technology, Rajapalayam on April 22, 2017.

B. Karthikeyan, III year EEE of RIT CHALLENGERS house, won I prize in the event “**Cricket**” conducted

during 4<sup>th</sup> Sports Day Celebration at Ramco Institute of Technology, Rajapalayam on April 22, 2017.

M.Sivapraksah, III year EEE of RIT INVINCIBLE house, won II prize in the event “**Foot Ball**” conducted during 4<sup>th</sup> Sports Day Celebration at Ramco Institute of Technology, Rajapalayam on April 22, 2017.

M.Sivapraksah, III year EEE of RIT INVINCIBLE house, won II prize in the event “**Athlete 100 mts**” conducted during 4<sup>th</sup> Sports Day Celebration at Ramco Institute of Technology, Rajapalayam on April 22, 2017.

M.Sivapraksah, III year EEE of RIT INVINCIBLE house, won I prize in the event “**Athlete 200 mts**” conducted during 4<sup>th</sup> Sports Day Celebration at Ramco Institute of Technology, Rajapalayam on April 22, 2017.

M.Sivapraksah, III year EEE of RIT INVINCIBLE house, won III prize in the event “**Long Jump**” conducted during 4<sup>th</sup> Sports Day Celebration at Ramco Institute of Technology, Rajapalayam on April 22, 2017.

M.Sivapraksah, III year EEE of RIT INVINCIBLE house, won II prize in the event “**Athlete 4x100 mts Relay**” conducted during 4<sup>th</sup> Sports Day Celebration at Ramco Institute of Technology, Rajapalayam on April 22, 2017.

T. Babisha, I year EEE of RIT DIAMOND house, won I prize in the event “**Athlete 4x100 mts Relay**” conducted during 4<sup>th</sup> Sports Day Celebration at Ramco Institute of Technology, Rajapalayam on April 22, 2017.

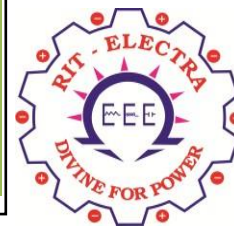
K.Sivapriya, I year EEE of RIT RUBY house, won III prize in the event “**Shot Put**” conducted during 4<sup>th</sup> Sports Day Celebration at Ramco Institute of Technology, Rajapalayam on April 22, 2017.

K.Sivapriya, I year EEE of RIT RUBY house, won III prize in the event “**Javelin Throw**” conducted during 4<sup>th</sup> Sports Day Celebration at Ramco Institute of Technology, Rajapalayam on April 22, 2017.

K.Prithiba, I year EEE of RIT RUBY house, won III prize in the event “**Athlete 400 mts**” conducted during 4<sup>th</sup> Sports Day Celebration at Ramco Institute of Technology, Rajapalayam.

T.Babisha, I year EEE of RIT DIAMOND house, won II prize in the event “**Athlete 200 mts**” conducted during 4<sup>th</sup> Sports Day Celebration at Ramco Institute of Technology, Rajapalayam on April 22, 2017.

K.Sivapriya, I year EEE of RIT RUBY house, won I prize in the event “**Throw Ball**” conducted during 4<sup>th</sup>



Sports Day Celebration at Ramco Institute of Technology, Rajapalayam on April 22, 2017.

S.Sri Santhiya, I year EEE of RIT SAPPHIRE house, won II prize in the event “**Throw Ball**” conducted during 4<sup>th</sup> Sports Day Celebration at Ramco Institute of Technology, Rajapalayam on April 22, 2017.

A.G.Vinataa, I year EEE of RIT SAPPHIRE house, won I prize in the event “**Volley Ball**” conducted during 4<sup>th</sup> Sports Day Celebration at Ramco Institute of Technology, Rajapalayam on April 22, 2017.

K.Sivapriya, I year EEE of RIT RUBY house, won II prize in the event “**Volley Ball**” conducted during 4<sup>th</sup> Sports Day Celebration at Ramco Institute of Technology, Rajapalayam on April 22, 2017.

N.Kavitha Rani, I year EEE of RIT EMERALD house, won II prize in the event “**Kho-Kho**” conducted during 4<sup>th</sup> Sports Day Celebration at Ramco Institute of Technology, Rajapalayam on April 22, 2017.

S.K.Jaisree, I year EEE of RIT EMERALD house, won II prize in the event “**Kho-Kho**” conducted during 4<sup>th</sup> Sports Day Celebration at Ramco Institute of Technology, Rajapalayam on April 22, 2017.

T.Babisha, I year EEE of RIT EMERALD house, won I prize in the event “**Kho-Kho**” conducted during 4<sup>th</sup> Sports Day Celebration at Ramco Institute of Technology, Rajapalayam on April 22, 2017.

T.Babisha, I year EEE of RIT EMERALD house, won II prize in the event “**Athlete Hammer Throw**”, conducted during 4<sup>th</sup> Sports Day Celebration at Ramco Institute of Technology, Rajapalayam on April 22, 2017.

A.Aashik Ali, M.Murali Kumar, IV year EEE, won I prize in “**Intercollegiate IEEE project contest**”, at Velammal College of Engineering & Technology, Madurai on February 15, 2017.

R. Radha Krishnan, P. Amarnath and P. Prem Kumar, III year EEE, won II prize in the Technical Event “**Circuit Craze**”, National level technical symposium on “Kuruksheeta 2017” at College of Engineering, Guindy, Anna University during February 15-19, 2017.

K.Balamurugan, P.Amarnath, III year EEE, won I prize in the event “**Technical Quiz**”, conducted on National Science Day Celebration at Ramco Institute of Technology, Rajapalayam on February 28, 2017.

K.Varunkumar, A.Mohamed Sameer, III year EEE, won II prize in the event “**Technical Quiz**”, conducted on

National Science Day Celebration at Ramco Institute of Technology, Rajapalayam on February 28, 2017.

K.Balamurugan, G.Chandru, III year EEE, won III prize in the event “**Technical Quiz**”, conducted on National Science Day Celebration at Ramco Institute of Technology, Rajapalayam on February 28, 2017.

V.Roshan, R.K.Ravi Venkatesh, S.Marieeswaran, A.Hari Vignesh, III year EEE, won I prize in the event “**Project Expo**”, conducted on National Science Day Celebration organized by department of EEE, Ramco Institute of Technology, Rajapalayam on February 28, 2017.

A.Sachin, S.N.Sathosh, S.Senthil Kumar, A.Sheik Mohamed, II year EEE, won III prize in the event “**Project Expo**”, conducted on National Science Day Celebration organized by department of EEE, Ramco Institute of Technology, Rajapalayam on February 28, 2017.

G.Harishkumar, S.Gokulan, J.H.AsalamJavid khan, B.Thirunavvukarusu, M.Yeswanth, I year EEE, won III prize in the event “**Project Expo**”, conducted on National Science Day Celebration organized by department of EEE, Ramco Institute of Technology, Rajapalayam on February 28, 2017.

C. Rama Devi, II year EEE, won II prize in the event “**Essay Writing competition**”, conducted on National Science Day Celebration organized by department of EEE, Ramco Institute of Technology, Rajapalayam on February 28, 2017.

A.Alagumuthumani, A.Aashik Ali, M.Murali Kumar, IV year EEE, won I prize in the event “**Technical Quiz**”, National level technical symposium on “ECHELON 2K17”, at K.L.N.College of Engineering, Sivagangi on March 9, 2017.

M.Jaganathan, R.Vishnu Prasad, II year EEE, won III prize in the technical event “**EX QUIZNE**”, National level technical symposium on “TECUTHSAV 2K17”, at Thiagarajar College of Engineering, Madurai on March 18, 2017.

M.Jaganathan, R.Vishnu Prasad, I.Karthikeyan, II year EEE, won I prize in the technical event “**CONNEXIONS**”, National level technical symposium on “TECUTHSAV 2K17”, at Thiagarajar College of Engineering, Madurai on March 18, 2017.

M.Jaganathan, II year EEE, won I prize in the technical event “**ARDUINO**”, National level technical symposium on “TECUTHSAV 2K17”, at Thiagarajar College of Engineering, Madurai on March 18, 2017.



M.Jaganathan, R.Vishnu Prasad, II year EEE, won II prize in the technical event **“Technical Quiz”**, National level technical symposium on **“KENSHO’17”**, at Sri Krishna College of Engineering and Technology, Coimbatore on March 23, 2017.

P.Murugesan (IV year EEE), P.Amarnath(III year EEE) and N. Satheesh (III year EEE) -electrical members of RIT PHOENIX team, won II prize in **“Asian Level Solar Tournament ESVC-17”**, at Imperial Society of Innovative Engineering in Bhimavaram, Andhra Pradesh during March 23 to April 2, 2017.

B.Prathap Kumar, M.Sivabalan, N.Sivaramakrishnan S.Vignesh, IV year EEE, won II prize in the project contest **“National Level Technical Project Contest-2017”**, organized by Kamaraj College of Engineering & Technology, Virudhunagar on April 01, 2017.

### CO-CURRICULAR ACTIVITIES

26 students of IV year EEE and ECE department attended a training Programme on **“NI Certified LabVIEW Associate Developer (CLAD)”** organized by Ramco Institute of Technology during June 15 - 21, 2016.

66 students of II year EEE attended the value added course on **“ARDUINO with IoT”** organized by Ramco Institute of Technology during November 25 - 30, 2016.

62 students of III year EEE attended the value added course on **“NI LabVIEW”** organized by Ramco Institute of Technology during December 12 – 16, 2016.

M.Jaganathan, E.Karunamoorthy, II year EEE, completed a value added course on **“Robotics and Automation”**, organized by Department of Mechanical Engineering, Ramco Institute of Technology during December 14-17, 2017.

G.Chandru, A. Mohamed Sameer, R. Stephan Franz, M. Siva Prakash, S. Mohamed Asfar, S. Ravi Raja, M. Madhan Kumar, J. Aravinth, V. Karthikeyan, J.JeyaVignesh Kumar, S. Sudhakar, B. Karthikeyan, III year EEE, participated in the Workshop titled **“Gesture Controlled Robotics”** National level technical symposium on **“Currents ’17”** at National Institute of Technology, Tiruchirapalli during February 16 - 19, 2017.

G.Chandru, A.Mohamed Sameer, S. Mohamed Asfar, S.Ravi Raja, M.Madhan Kumar and V. Karthikeyan, III year EEE, participated in the event **“Tech Quiz”**, National level technical symposium on **“Currents ’17”** at

National Institute of Technology, Tiruchirapalli during February 16 - 19, 2017.

S. Kathir, R. Radhakrishnan, P. Prem Kumar, S. Vinoth Kannan, T. Prasad and C. Pandiyarajan, III year EEE, participated in the workshop titled **“DIY Solar Lantern”**, National level technical symposium on **“Kurukshetra 2017”**, , organized by College of Engineering, Guindy, Anna University during February 15-19, 2017.

A.Aashik Ali, M.Murali Kumar, IV year EEE, participated in the **“Project Expo”**, National level technical symposium **“Gyan Mitra’17”** at Mepco Schlenk Engineering College, Sivakasi during February 17 - 18, 2017.

A.Aashik Ali, M.Murali Kumar, IV year EEE, participated in **“Paper Presentation”**, National level technical symposium **“Gyan Mitra’17”** at Mepco Schlenk Engineering College, Sivakasi during February 17 - 18, 2017.

A.Aashik Ali, M.Murali Kumar, IV year EEE, participated in **“Inter college project expo”**, IEEE student branch **“Spiro 2K17”** at National Engineering College, Kovilpatti on February 28, 2017.

33 students of I year EEE participated in the **“Project Expo”**, conducted on National Science Day Celebration organized by Department of EEE, Ramco Institute of Technology, Rajapalayam.

64 students of II year EEE participated in the **“Project Expo”**, conducted on National Science Day Celebration organized by Department of EEE, Ramco Institute of Technology, Rajapalayam.

44 students of III year EEE participated in the **“Project Expo”**, conducted on National Science Day Celebration organized by Department of EEE, Ramco Institute of Technology, Rajapalayam

P.Prem Kumar, III year EEE, participated in **“Essay Writing competition”**, held on National Science Day Celebration organized by Department of EEE, Ramco Institute of Technology, Rajapalayam on February 28, 2017.

S.KrishSharan, G.Harish Kumar, S.MohammedAmjath Ibrahim, and B.Thirunavukkarasu, I year EEE, participated in a one day workshop on **“Drone: Unmanned Aerial Vehicle”**, organized by RIT MECHANZIO Department of Mechanical Engineering at Ramco Institute of Technology, Rajapalayam on March 01, 2017.



R.Vasumathi, M.Jaganathan, K.Ganesh Ram and A.Sachin, II year EEE, participated in a one day workshop on “**Drone: Unmanned Aerial Vehicle**”, organized by RIT MECHANZIO Department of Mechanical Engineering at Ramco Institute of Technology, Rajapalayam on March 01, 2017.

M.Vignesh, M.SivaPrakash, R.Ravi Raja and J.JeyaVignesh Kumar, II year EEE, participated in a one day workshop on “**Drone: Unmanned Aerial Vehicle**”, organized by RIT MECHANZIO Department of Mechanical Engineering at Ramco Institute of Technology, Rajapalayam on March 01, 2017.

K. Lakshmipriya, R. Ishwarya, M. Nirmala, C.Nivetha and A. Gaayatri, II year EEE, participated in the workshop on “**Swarm Robotics**”, at National Institute of Technology, Trichy during March 02 - 05, 2017.

B.Ajitha, K.Gokila, R.Mahalakshmi, A.Harishmaa, A.Krithika, A.Deepika, V. Dharani, C.Ramadevi and S.Sanjeetha, II year EEE, participated in the workshop on “**Internet of Things**”, at Madras Institute of Technology, Chennai during March 04 - 05, 2017.

G.Harish Kumar, S.Krishsharan, I year EEE, participated in the workshop on “**Vision Robotics**”, at Indian Institute of Technology, Madras during March 04 - 05, 2017.

A.Alagumuthumani, A.Aashik Ali, M.Murali Kumar, IV year EEE, participated in the event “**Project Contest**”, National level technical symposium on “**ECHELON 2K17**”, at K.L.N. College of Engineering, Sivagangi on March 9, 2017.

K.Balamurugan (953614105302), K.Balamurugan (953614105303), III year EEE, participated in the technical event “**CODE BUILDER PLC**”, National level technical symposium on “**NEWRA 2K17**”, at Bannari Amman Institute of Technology, Erode on March 23, 2017.

R.Dinesh Kumar, III year EEE, participated in the technical event “**Technical Quiz**”, National level technical symposium on “**KENSHO’17**”, at Sri Krishna College of Engineering and Technology, Coimbatore on March 23, 2017.

A.Sachin, M.Jaganathan, A.Vijayakumar Raja, II year EEE, participated in the technical event “**Technical Quiz**”, National level technical symposium on “**KENSHO’17**”, at Sri Krishna College of Engineering and Technology, Coimbatore on March 23, 2017.

M.Seethalakshmi, M.Subashini, M.Sivagomathi, III year EEE, participated in “**Paper Presentation**”, National level technical symposium “**MindKraft 2k17**”, at

Karunya University, Coimbatore during March 23-25, 2017.

M.Ramya, G.Yashashwini, P.Abirami, M.Kirubah, I year EEE, participated in the one day value added course “**Smart Wide Area Monitoring Protection using Communication control - SWAMPUCC - 2017**” at VIT University, Vellore March 25, 2017.

R.Ravi Raja, M.Siva Prakash, J.Jeya Vignesh Kumar, III year EEE, participated in the project contest “**National Level Technical Project Contest-2017**”, at Kamaraj College of Engineering & Technology, Virudhunagar on April 01, 2017.

### PAPER PRESENTATION

P.Prem Kumar, P.Amarnath, III year EEE, presented a paper on “**Localization of Power Theft**” in Zonal Level Paper presentation, IET’17 at Ramco Institute of Technology, Rajapalayam on March 4, 2017. Their paper was short listed for national level and presented at SJCIT, Chickballapur, and Karnataka.

The following students presented papers in National Conference on Innovations in Engineering, Science and Technology - NCIEST ’17 at Ramco Institute of Technology, Rajapalayam during March 24 - 25, 2017:

- S.A.Devi Durga, B.Gayathri, R.Jayasudha, R.Ponjthilakshmi, IV year EEE, presented a paper on “**Electric Utilization Measurement using Wireless Technology**”.
- M.Manonmani, C.P.Punitha, T.Saahithya, V.SriJananiJayapratha, IV year EEE, presented a paper on “**Embedded Controller Based Power Factor Improvement**”.
- S.Kartheeswari, P.Gayathri, III year EEE, presented a paper on “**Automatic Vehicle Accident Detection System**”.
- M.Ambika, M.Belsibai, R.Bhuvana and B.Chithra, IV year EEE and Ms.M.Eswari, AP/EEE presented a paper on “**Wireless Monitoring and Controlling of Motor Parameters Using Wi-Fi**”.
- S.AmirthaPriya, S.A.LakshmiGomathy, P.Krishnaveni, M.Malathi, IV year EEE and Mr.E.Thangam, AP/EEE presented a paper on “**Embedded based secured Circuit Breaker operation**”.
- B.Dhivya, P.Pandiyammal, S.PremaSangeetha and S.Usha, IV year EEE and Ms.M.Eswari, AP/EEE presented a paper on “**Design of UPQC to improve power quality in Distribution System**”.
- A.Aashik Ali, A.Alagumuthumani and M.Muralikumar, IV year EEE and Mr.N.Ganesh, AP/EEE presented a paper on



**“Smartphone Controlled Robot for Industrial Monitoring”.**

- V.Roshan, G.Harivignesh, III year EEE, presented a paper on **“Ethernet Water Tank”**.
- M.Esakki Rani, J.Jeyalakshmi, A.Mahalakshmi, III year EEE, presented a paper on **“Gesture Controlled Wheel chair Using Bluetooth RC Controller”**.
- V. Kamalakkannan, M. Sampath Raja, R. Vigneshbalaji, B. Prabhakaran, IV year EEE and Mr.S.Meenakshi Sundaravel, AP/EEE presented a paper titled **“Automatic Detection of Insects In Soft Drinks Using PLC”**.
- B.PrathapKumar, M.Sivabalan, N.Sivaramakrishnan, S.Vignesh, IV year EEE and Mr.S.Viignesh, AP/EEE presented a paper on **“Implementation of Time Based Tariff Calculation”**.
- M.Kaleeswaran, K.Karuppasamy, S.Manikandan, M. Muthukumar, IV year EEE and Mr.D.KarthikPrabhu, AP/EEE presented a paper on **“Intelligent Traffic Controller using Arduino”**.
- V.KarpagaSivanandam, P.Mathan Raj, M.Chithan, M.Rishikesan, IV year EEE presented a paper on **“Material Sorting and Modification Using PLC”**.
- R.Ravi Raja, J.Jeyavigneshkumar, M.Sivaprakash, III year EEE presented a paper on **“Gesture Controlled Multipurpose System for Physically Challenged Person”**.
- A.Athmanathan, S.Sambandham, P.Sudharsan, IV year EEE and Mr.E.Thangam, AP/EEE presented a paper on **“Power Saving and Monitoring in Injection Moulding Machine”**.
- S.Indhuja, S.Mathumathi, K.Priyadharsini, III year EEE presented a paper on **“Review of Smart Grid Implementation”**.
- S.Abirami, B.Sugapriya, M.Tharanya, G.Poornima, IV year EEE presented a paper on **“Automated Smart Fire Fighter using Embedded System”**.
- K.B.Ragaventhiraa, IV year EEE and Mr.S.Nirmalkumar, AP/EEE presented a paper on **“Home Automation using LabVIEW”**.
- R.Balamurugan, N.S.Ramakrishnan, G.Sriramakrishnan, A.Vijayagopal, IV year EEE presented a paper on **“Zigbee based Robot control for Metal Detection”**.
- M.Ambika, M.Belsibai, IV year EEE and Ms.M.Eswari, AP/EEE presented a paper on **“Comparison of Wi-Fi and Zigbee Technologies in motor monitoring and control process”**, National level conference on “Advanced Technologies in Electrical Engineering - ATEE'17”, Kamaraj College of Engineering & Technology held on March 31, 2017.

**INDUSTRIAL VISIT**

66 Students of II Year EEE were taken to one day industrial visit to Rajapalayam Mills Limited, Rajapalayam on August 06, 2016.

63 students of III year EEE visited to L&T Switch gear training center, Coonoor for Industrial Visit on September 02, 2016.

55 Students of I Year EEE were taken to one day industrial visit to Rajapalayam Mills Limited, Rajapalayam on December 15, 2016.

**OTHER ACTIVITIES**

R.Ajeeth, K.Vijayakumar Raja and M.Lakshmi Narayanan of II year EEE has received the appreciation for **Blood Donation** at Ramco Institute of Technology on August 23, 2016.

R.Vishu Prasad, G.Aathavan, S.Senthil Kumar and M.Lakshmi Narayanan of II year EEE has received the appreciation for **Blood Donation** at Ramco Institute of Technology on March 04, 2017.

**RESEARCH**

**Research Scholar (Pursuing)**

**Mr.K.Karthikeyan**, Part-time, “Generation, Expansion Planning”, Faculty member of EEE/RIT

**Mr.D.KarthikPrabu**, Part-time, “Partial Discharge Signal pattern Recognition and de-noising using expert system”, Faculty member of EEE/RIT

**Mr.A.Arun Kumar**, Part-time, “Optimal Allocation of Energy storage system in distributed generation for Generation Expansion Planning”, Faculty member of EEE/RIT

**Mr.N.Ganesh**, Part-time, “Power Quality and Efficiency improvement in LED Driver Circuits”, Faculty member of EEE/RIT

**Faculty Participations / Achievements / Guest Lecture Delivered/FDP's Attended**

**Ms.M.Eswari, Mr.E.Thangam, Mr.S.Viignesh, Mr.S.Nirmalkumar, Mr.S.Meenakshi Sundaravel and Mr.N.Ganesh** participated in a seven day Anna University sponsored FDTP on “IC6501 – Control Systems” organized by EEE department, held at Ramco Institute of Technology, Rajapalayam, during 04 – 10 June 2016.



**Mr.D.Karthik Prabhu** attended a seven day Anna University approved FDTP on “EE6005 – Power Quality” organized by PSNA College of Engineering, Dindugal during 04 – 10 June 2016.

**Dr.S.Kannan** presented a topic “Signal Flow Graph” in a seven day Anna University sponsored FDTP on “IC6501 – Control Systems” organized by EEE department, held at Ramco Institute of Technology, Rajapalayam, during 04 – 10 June 2016.

**Mr.S.Nirmalkumar, AP/EEE** presented a topic “Root Loci construction” in a seven day Anna University sponsored FDTP on “IC6501 – Control Systems” organized by EEE department, held at Ramco Institute of Technology, Rajapalayam, during 04 – 10 June 2016.

**Mr. S. Meenakshi Sundaravel, AP/EEE** presented a topic “Lead, lag, lead lag compensator design using bode plots” in a seven day Anna University sponsored FDTP on “IC6501 – Control Systems” organized by EEE department, held at Ramco Institute of Technology, Rajapalayam, during 04 – 10 June 2016.

**Mr.S.Meenakshi Sundaravel AP/EEE, Mr.S.Viignesh AP/EEE, Mr.S.Nirmalkumar AP/EEE** attended a 3 day training programme on “PLC/SCADA Hardware/Software” organized by EEE department, held at Ramco Institute of Technology, Rajapalayam, during 11 – 14 June 2016.

**Mr.A.Arun Kumar, AP/EEE** attended a seven day Anna University approved FDTP on “Power System Operation and Control” organized by department of EEE, Anna University, Chennai during 23-29 November, 2016

**Mr.E.Thangam, AP/EEE** attended a five day QIP Sponsored one week short Term Course on “ICT Solutions for Issues and Challenges in Smart Grid Technology” organized by department of EEE, Pondicherry Engineering College, Puducherry during 28 November 2016 - 02 December 2016.

**Mr.S.Viignesh, AP/EEE** attended a seven day Anna University approved FDTP on “Power System Operation and Control” organized by department of EEE, Kalasalingam Institute of Technology, Krishnan Koil from 01- 07 December 2016.

**Mr.S.Nirmalkumar, AP/EEE** attended a five day QIP Sponsored short Term Course on “Advances in Electrical Machines” organized by department of EEE,

Sardar Vallabhbhai National Institute of Technology, Surat during 12- 16 December 2016.

**Mr.K.Karthikeyan, AP/EEE & Ms.M.Eswari, AP/EEE** attended a two day workshop on “Hardware in the loop simulation for Power Electronics & Control applications using LabVIEW” organized by department of EEE, MepcoSchlenk Engineering College, Sivakasi during 16- 17 December 2016.

**Mr.N.Ganesh, AP/EEE & Mr.S.Meenakshi Sundaravel, AP/EEE** attended QIP Sponsored one week short Term Course on “Power Electronic Systems and Control” organized by department of EEE, Pondicherry Engineering College, Puducherry during 19 - 23 December 2016.

**Mr.D.Karthik Prabhu, AP/EEE** attended QIP Sponsored one week short Term Course on “Recent Advances in UHV Transmission and Distribution” organized by Centre for Continuing Education, Indian Institute of Science, Bengaluru during 19 - 23 December, 2016.

**Mr. K.Karthikeyan AP/EEE & Ms.M.Eswari AP/EEE** attended a training Programme on “NI Certified LabVIEW Associate Developer (CLAD)” organized by Ramco Institute of Technology, Rajapalayam during 15 – 21, June 2016.

**Dr.S.Kannan, Mr.A.Arun Kumar, Mr.S.Viignesh, Mr.S.Nirmalkumar and Mr.E.Thangam** attended a 3 day training programme on “DIGSILENT Software” organized by EEE department, held at Ramco Institute of Technology, Rajapalayam, during 20 – 22 June 2016.

**Mr.D.Karthik Prabhu AP/EEE** gave a lecture on the topic “Nature of breakdown mechanism in solid, liquid and gaseous dielectrics” at Kamaraj College of Engineering & Technology, Virudhunagar during 28- 30 June, 2016.

**Dr.S.Kannan, HoD/EEE** produced 100% result in the subject EE6201 Circuit Theory in Anna University Examinations held during May/June 2016.

**Mr.A.Arun Kumar, AP/EEE** produced 100% result in the subject EE6603 Power System Operation and Control in Anna University Examinations held during May/June 2016.

**Mr.N.Ganesh, AP/EEE** produced 100% result in the subject EE6604 Design of Electrical Machines & MG6851 Principles of Management in Anna University



Examinations held during May/June 2016 & November/December 2016.

**Mr.D.Karthik Prabhu, AP/EEE** produced 100% result in the subject EE6602 Power System Transients & EE6252 Basic Electrical and Electronics Engineering in Anna University Examinations held during May/June 2016.

**Mr.E.Thangam, AP/EEE** produced 100% result in the subject EE6504 Electrical Machines-II & EE6702 Protection & Switch gear in Anna University Examinations held during November/December 2016.

**Mr.D.Karthik Prabhu, AP/EEE** produced 100% result in the subject EE6701 High Voltage Engineering & EE6005 Power Quality in Anna University Examinations held during November/December 2016.

**Faculty Contributions (Research Papers published / Books, Monographs, Lab manuals authored, etc.)**

J.J.Booma, K.Karunanithi, K.Mahadevan and S.Kannan, “**Reliability analysis for restricted and unrestricted demand of Tamil Nadu power grid for the year 2014 using WASP-IV**”, International Journal of Future Innovative Science and Engineering Research (IJFISER), vol.02, Issue-II, June 2016, ISSN (Online): 2454- 1966, www.istpublications.com.

M. ArumugaBabu, R. Mahalakshmi, S. Kannan, M. Karuppasamyandian and A. Bhuvanesh, “**Distributed Generation Optimization Using Multi Objective Differential Evolution Algorithm**”,

International Journal of Printing, Packaging & Allied Sciences, vol. 4, no. 3, December 2016, pp. 1847-1856.

S. Suresh, S. Kannan, K.Karthigaivel, “**Reactive Power Compensation using Fuzzy Logic Controlled Multilevel Inverter for Power Distribution System**” was accepted to be published in the Journal of Computer Science and Control Systems (JCSCS), vol. 9, No 2, October 2016.

K. Karunanithi, S. Saravanan, B.R. Prabakar, S. Kannan, C. Thangaraj, “**Integration of Demand and Supply Side Management strategies in Generation Expansion Planning**”, Renewable and Sustainable Energy Reviews (Elsevier), vol. 73, 2017, pp.966-982, DOI: 10.1016/j.rser.2017.01.017

J. Booma, K. Karunanithi, K.Mahadevan and S. Kannan, “**Analyzing Reliability of Tamil Nadu Power Grid for the Year 2015 using Wasp-IV**”, Indian Journal of Science and Technology, vol. 9, Issue 38, October 2016, pp. 1-10, DOI: 10.17485/ijst/2016/v9i38/101963.

A.Bhuvanesh, S.T.Jaya Christa, S.Kannan, “**Electricity Generation Expansion Planning for Tamil Nadu considering Greenhouse Gasses Emission**”, Asian Journal of Research in Social Sciences and Humanities, ISSN: 2249-7315 (ONLINE), 2250-1665 (PRINT).

A. Arun Kumar presented a paper entitled “**Eigenvalue and Time domain analysis of SSR in Renewable Energy System**”, National Conference on Innovations in Engineering, Science and Technology – NCIEST-17, organised by Ramco Institute of Technology, Rajapalayam during 24 – 25 March 2017.

**IPT**

Sl.No	Batch	Register.No	Name of the Student	Name of the Company	Duration
1.	2013-2018	953613105015	N.Dhana Balan	Southern Railway Madurai Division Madurai- 625001	01.06.2016 to 30.06.2016
2.	2014-2019	953614105002	P. Amarnath	Thermal Power Plant Harbour Estate Tuticorin Beach Road Salt Pans Thoothukudi-628004	11.06.2016 to 21.06.2016
3.		953614105011	R. Dinesh Kumar		
4.		953614105021	V. Karthikeyan		
5.		953614105023	M. Madhan Kumar		
6.		953614105029	P. Moses Stephen		
7.		953614105034	T. Prasad		
8.		953614105035	P. Prem Kumar		
9.		953614105043	N. Sathesh		
10.		953614105317	A. Vigneshwaran		



## PLACEMENT DETAILS

### LIST OF STUDENTS PLACED IN TECH MAHINDRA



**AMBIKAM**  
(953613105005)



**AMIRTHA PRIYA S**  
(953613105006)



**DEVI DURGA S A**  
(953613105014)



**LAKSHMI GOMATHY S A**  
(953613105025)



**FAZIL MEHAMUDH S**  
(953613105017)



**MOHANKUMAR K**  
(953613105031)



**RAGAVENTHIRAA K B**  
(953613105041)



**RAMAKRISHNAN N S**  
(953613105042)

### LIST OF STUDENTS PLACED IN RAMCO CEMENTS



**AASHIK ALI A**  
(953613105001)



**LIST OF STUDENTS PLACED IN  
MOBIUS KNOWLEDGE SERVICES**



**BELSIBAI M**  
(953613105011)



**PONJOTHILAKSHMI R**  
(953613105035)



**PREMA SANGEETHA S**  
(953613105039)



**PUNITHA C P**  
(953613105040)



**KARPAGA SIVANANDAM V**  
(953613105022)



**LIST OF STUDENTS PLACED IN  
YYASAKA TECHNOLOGIES**



**BAGYANATHAN P**  
(953613105008)



**SAAHITHYA T**  
(953613105043)

**LIST OF STUDENTS PLACED IN  
HAKUNA MATATA SOLUTIONS**



**KARUPPASAMY K**  
(953613105304)

**LIST OF STUDENTS PLACED IN  
DATA PATTERNS**



**MURALI KUMAR M**  
(953613105032)



**LIST OF STUDENTS PLACED IN  
ALLSEC TECHNOLOGIES**



**PRABHAKARAN B**  
(953613105036)



**PRADEEP**  
(953613105037)



**SRIRAMAKRISHNAN G**  
(953613105048)



**VIGNESH S**  
(953613105057)



**PANDIYAMMAL P**  
(953613105034)



**POORNIMA G**  
(953613105306)



**LIST OF STUDENTS PLACED IN  
INDUS TEQSITE (DATA PATTERNS)**



**SUGAPRIYA B**  
(953613105051)

**TOP 5 STUDENTS (2013 – 2017) BATCH**



**VIGNESH S**  
(953613105057)



**BELSIBAI M**  
(953613105011)



**SUGA PRIYA B**  
(953613105051)



**AMIRTHA PRIYA S**  
(953613105006)



**AMBIKA M**  
(953613105005)



## TOP 5 STUDENTS (2014 – 2018) BATCH



**DEVE KALA S R**  
(953614105010)



**PAVETHRA T**  
(953614105032)



**AMATHULLA JASILA  
S**  
(953614105003)



**PREM KUMAR P**  
(953614105035)



**AMARNATH P**  
(953614105002)

## TOP 5 STUDENTS (2015 – 2019) BATCH



**JAGANATHAN M**  
(953615105017)



**VISHNU PRASAD R**  
(953615105058)



**VASUMATHI R**  
(953615105054)



**VIGNESHKARTHIK A**  
(953615105057)



**KARUNAMOORTHY E**  
(953615105021)



## TOP 5 STUDENTS (2016 – 2020) BATCH



**YASHASWINI G**  
(953616105055)



**KIRUBAH M**  
(953616105018)



**MOHAMED AMJATH  
IBRAHIM**  
(953616105027)



**SUJITHA S**  
(953616105048)



**KAMATCHIPRIYA M**  
(953616105015)

## LIST OF STUDENTS REGISTERED FOR GATE' 17 EXAMINATION

Sl. No.	Register Number	Name of the Student
1	953613105001	Aashik Ali A
2	953613105003	Abirami S
3	953613105005	Ambika M
4	953613105007	Athmanathan A
5	953613105011	Belsibai M
6	953613105017	Fazil Mehamudh S
7	953613105025	Lakshmi Gomathy S A
8	953613105026	Malathi M
9	953613105032	Murali Kumar M
10	953613105035	Ponjothilakshmi R
11	953613105037	Pradeep P
12	953613105040	Punitha C P
13	953613105044	Sambandham S
14	953613105054	Tharanya M
15	953613105057	Vignesh S
16	953613105311	Sri Janani Jayapratha V



## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Academic Year 2016-2017

### TEACHING FACULTY MEMBERS



Dr.S. Kannan, M.E.(PSE),  
Ph.D.  
Professor and Head of the  
Department



Mr. K. Karthikeyan,  
M.E.(HVE)  
Pursuing Ph.D.  
Assistant Professor



Mr. D. KarthikPrabhu,  
M.E.(HVE)  
Pursuing Ph.D.  
Assistant Professor



Mr.A.Arun Kumar,  
M.E.(PSE),  
Pursuing Ph.D.  
Assistant Professor



Mr.N.Ganesh,  
M.E.(PED),  
Pursuing Ph.D.  
Assistant Professor



Ms.M.Eswari,  
M.E.(PED),  
Assistant Professor



Mr.E.Thangam,  
M.E.(PSE),  
Assistant Professor



Mr.S.MeenakshiSundaravel  
M.E.(PED),  
Assistant Professor



Mr.S.Nirmalkumar,  
M.E.(PSE),  
Assistant Professor



Mr.S.Viignesh,  
M.E.(PSE),  
Assistant Professor

**NON-TEACHING STAFF MEMBERS**



Mr. V. Jothibass,  
DEEE  
Lab Technician



Mr. P. Vijaya Kumar,  
DEEE  
Lab Technician



Mr.S.Muthuraman,  
DEEE  
Lab Technician



Mr.I.John Britto,  
B.E.  
Lab Technician



Mr.P.Prem Kumar,  
DEEE  
Lab Technician



Mr. B. Muthukumar,  
HSC  
Office Assistant