



**MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY-**

**Kalitheerthalkuppam, Puducherry- 605107**

**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

**NEWSLETTER- SEPTEMBER- 2016**

### **About the Department:**

The Department was started in the year 2008 with an objective of creating a leader in engineering education and research with the application of knowledge for uplifting the society globally. Initially, the Department was started with an intake of 60 students and later it was increased to 120 students in the year 2011. The Department inaugurated IEEE students chapter in the year 2012. The faculty members are consistently doing well in teaching and research activities. The Department had well established and equipped laboratories like Electrical Machines Lab, Power Electronics Lab, Power System Simulation Lab, Microprocessor Lab & Measurements and Instrumentation Lab with equipment cost of Rs. 65 Lakhs. The Department provides exposure to the students with hands-on experience on various Electrical Engineering subjects to face the challenges of the modern corporate world and to mould them as responsible citizens of the country with a willingness to serve the society.

The Department established internal Library with 300 titles and IEEE volumes for the welfare of the Faculty members and students.

### **Staff Activities**



Dr.G.Renuka Devi, AP/EEE has delivered the special lecture titled **“WIND ENERGY CONVERSION SYSTEM** “to final year students on 29<sup>th</sup> June 2016



Mr.C.Shanmugasundaram Asso.Prof/EEE has delivered the special lecture titled **“HIGH VOLTAGE TRANSMISSION SYSTEMS** “to second year (A&B) Sec students 29<sup>th</sup> June 2016



Dr.R.Valli, HOD/EEE has addressed the final year EEE students of the internal workshop titled **“ INTRODUCTION AND HANDS ON TRAINNG ON MATLAB”** on 1<sup>st</sup> July 2016





Mrs.R.Muthunagai, AP/EEE handling the technical slot section in the subject **“ELECTRICAL MACHINES - I** for final year students on 5<sup>th</sup> July 2016



Dr.R.Valli, HOD/EEE has delivered the special lecture **“ROAD MAP TOWARDS 5G”** to the second year students on 6<sup>th</sup> July 2016.



Mrs.N.Sarumathi AP/EEE has delivered the special lecture for third year (A& B sec) students in **“HVDC TRANSMISSION”** on 13<sup>th</sup> July 2016



Dr.K.Sedhuraman AP/EEE has delivered the special lecture for second year (A& B sec) students in **“ARTIFICIAL NEURAL NETWORKS”** 13<sup>th</sup> July 2016





Dr.R.Valli and P.L.Santhanakrishnan had participated in “**Schneider-electric – Momentum 2016**”program on 20<sup>th</sup> July 2016



Mr.S.Rajkumar has delivered the special lecture for second year students titled “**VARIOUS NEW METHODS OF POWER GENERATION**” on 20<sup>th</sup> July 2016



Mrs.R.Priya AP/EEE has handled the technical slot in **“POWER ELECTRONICS”** subject for the final year students on 26<sup>th</sup> July 2016



Mr.N.Amarabalan has delivered the special lecture titled **“ORGANIC PHOTOVOLATIC CELLS”** for second year students 19<sup>th</sup> July 2016





Mr.D.Balaji has delivered the special lecture titled **“MODERN TRENDS IN ELECTRICAL DRIVES”** for third year students on 27<sup>th</sup> July 2016



Mrs.V.Thebina AP/EEE has handled the comprehensive viva class in **Electrical Machines -1** subject for third year students on 2<sup>nd</sup> August 2016



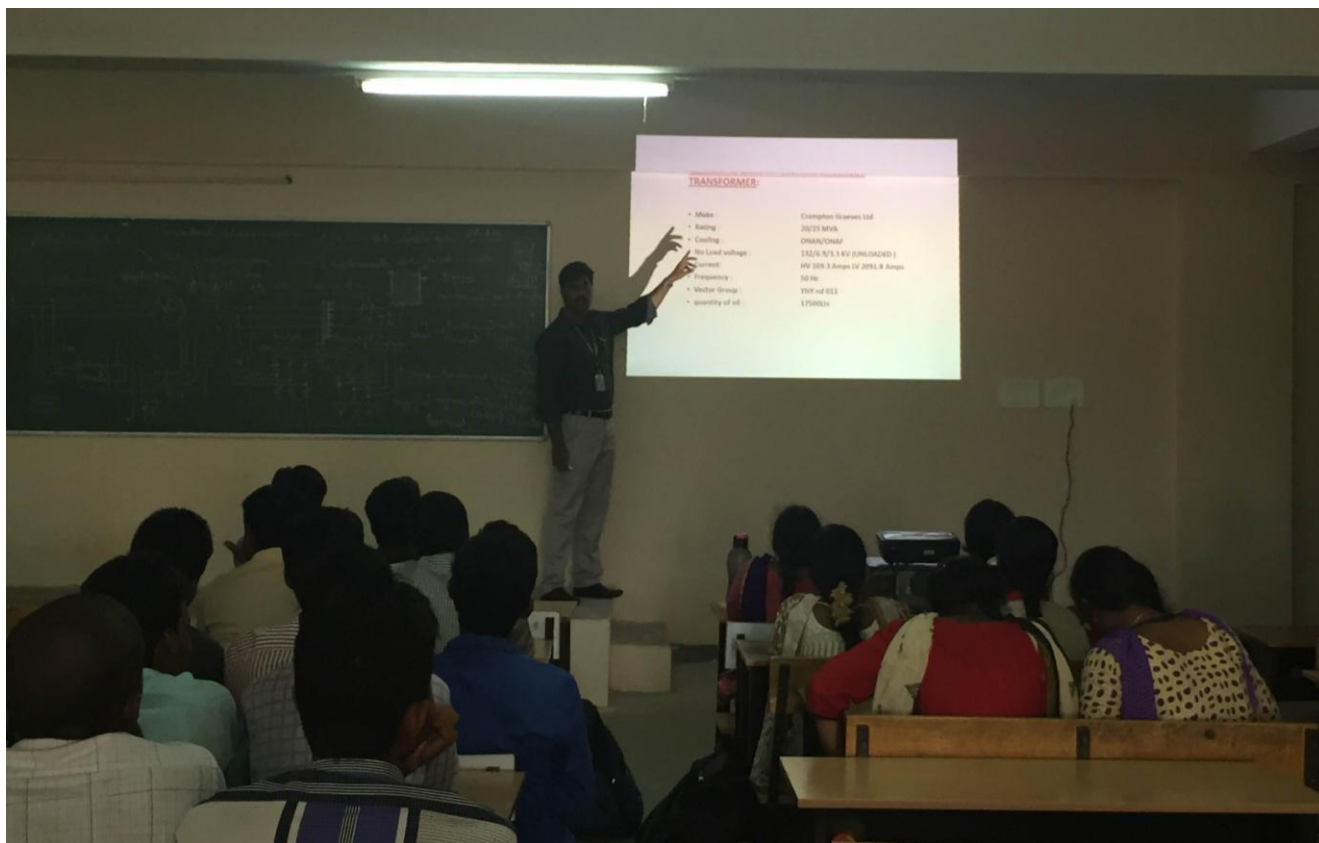
Mr.D.Muruganandhan AP/EEE has delivered the special lecture titled **“INVESTIGATION OF DIELECTRIC AND THERMAL PROPERTIES ON HDPE-ALUMINA COMPOSITE”** for second year students on 3<sup>rd</sup> July 2016

- Dr.G.Renuka Devi AP/EEE & Mr.S.Rajkumar AP/EEE have gone to attend the **“ICT DIGITAL YOUTH SUMMIT 2016”** held at Kambankalai Arangam, Puducherry.



Mrs.S.Santhalakshmy, AP/EEE has delivered the special lecture titled **“Organic Light Emitting Diode”** for second year students on 17<sup>th</sup> August 2016





Mr.P.L.Santhanakrishnan has delivered the special lecture titled **“POWER SYSTEM SWITCH YARD**  
**“to second year students on 24<sup>th</sup> August 2016**

### **Department Activities**

- **Dr.valli,HOD/EEE** and staff interaction was carried out with the resource person **Mr.S.Kannan, Chief Manager-Technical, Greenenergy Solar Solutions**, as a part of institute-Industry interaction program. He discussed about the training sessions in renewable energy related projects, site analysis, cable panel selection, optimizing the load and cost, DYE cell projects handled in their company.



- EEE Third year –B Sec students attending the value added course training in C, C++



Third year students attending the career guidance lecture titled **“Scope of GATE, IES and PSU JOBS”**  
Presented by Mr. Balamurugan, Regional Manager, Gate Forum, and Chennai.T. Janarthanan,  
Assistant Manager – Marketing, Gate Forum, Chennai on 4<sup>th</sup> July 2016.



Second year students visiting the **“ENNORE THERMAL POWER STATION”** as part of industrial visit  
program on 5<sup>th</sup> July 2016





Final year students attending the mock-interview session in power electronics lab as a part of placement actives



Third year (Both A sec & B sec) students has attended the placement introductory session in audio visual room 14<sup>th</sup> July 2016



M.Swetharanyeswari.M /II-B has delivered the seminar titled **"ABS-ANTI LOCK BRAKING SYSTEM"** on 14<sup>th</sup> July 2016



Mohammed Aseem/II has delivered the seminar titled **"WORLD CONSPIRACY THEORY"** 14<sup>th</sup> July 2016





Mr. A.Sivaraman, Asst.executive engg. Delivering Guest lecture to the students of EEE on 18<sup>th</sup> July 2016



Expert Lecture on **"Solar Photovoltaic Technologies & its Thrust areas"** by Mr.Rajaganesan, Director – VATIO Energy India Private Limited, Chennai on 23<sup>rd</sup> July 2016.



Usha Kiran III/A has presented the topic titled **“MY INDIA”** in ICT YOUTH TALK-Preliminary competition 27<sup>th</sup> July 2016



Student's tribute to Dr.A.P.J.Abdul Kalam on his first remembrance day during the quiz competition organized by EEE department association ELECTRA 27<sup>th</sup> July 2016





Mr. R.Samivel, Sr.Design Executive from L & T, Chennai, delivered Guest lecture title **"INDUSTRIAL AUTOMATION"** on 30<sup>th</sup> July 2016



GROUP PHOTO SESSION DURING THE INDUSTRIAL VISIT TO NLC **THERMAL POWER STATION 1** on 1<sup>st</sup> August 2016





Elanchetchenni III/B Sec presenting his topic during the **"ICT ACT YOUTH TALK – PRACTICE SESSION"**  
on 4<sup>th</sup> August 2016



Dr.G.Renuka Devi AP/EEE explaining the concepts of basics of electrical engineering during the internal  
workshop on 5<sup>th</sup> August 2016





Final year students have attended the group discussion session as a part of placement activity on 6<sup>th</sup> August 2016



**Third year student's group photo session in front of "Chakra SMT Pvt Ltd, Perungudi, Chennai" during the industrial visit on 20<sup>th</sup> August 2016**





Mr. P.SathishRaj, R & D Head, Reeshoo E-Systems, Chennai, delivered Guest lecture “**Sensor Interfacing and Wireless communication with Microcontroller**” to the students of EEE on 22<sup>nd</sup> August 2016



Mr.S.Baskar from PLCC center has delivered the guest lecture titled “**PLC PROGRAMMING AND INDUSTRIAL AUTOMATION**” to second year students on 25<sup>th</sup> August 2016



- Elanchetchenni III/B and M.Tamilselvan III/A has selected up for **“ICT YOUTH PRESENT-TOP 10 STUDENTS”** and had gone to participate in **“ICT DIGITAL YOUTH SUMMIT 2016”** held at Kamban Kalai Arangam, Puducherry.



**MANAKULA VINAYAGAR**  
INSTITUTE OF TECHNOLOGY



2016-17

## NEWS LETTER

GREETINGS FROM

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS**

MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY  
PUDUCHERRY



EDUCATE



EMPOWER



EXCEL

**Manakula Vinayagar Institute Of Technology**

(A Unit of Sri Manakula Vinayagar Group of Educational Institutions)





## INTRODUCTION

It is an immense pleasure and proud that we are releasing the Seventh Issue of our College Newsletter. This Newsletter serves as a better forum and platform for showcasing the talents and achievements of both faculty and students. It carries the recent activities, news and important updates of the college. We assure you that this newsletter will be new of its kind which reveals the growth of the institution in various fields.

## ABOUT THE INSTITUTION

Manakula Vinayagar Institute of Technology (MVIT) was established in 2008, with a view to provide quality technical education to young aspirants. The institution is affiliated to Pondicherry Central University and is approved by AICTE, New Delhi.

Our College is professionally managed and guided by the members of the Board of Management with vast experience, knowledge and academic excellence, with a vision to achieve the most preferred position globally.

The high performance of our Institution is witnessed by the results produced by our students in the university exams. Our Institution has acquired enviable status for maintaining highest order of discipline.

MVIT is revitalizing itself, to face the challenging expertise with reputed team of faculty. We facilitate to produce efficient Professionals who can meet the demands of the expectations and shine in their profession through innovative ideas, knowledge and team work.

## CHAIRMAN'S MESSAGE



I am extremely happy in releasing the Seventh Issue of half-yearly Newsletter of MVIT, highlighting the activities of the college between December 2015 and April 2016. The laudable exercise of the students and staff of this Institution has already brought gorgeous brand name in the UT of Puducherry. I congratulate the staff and students for this achievement. I wish that everyone continue their untiring efforts not only to retain this award but to grow to further high standards. I congratulate all the editorial members for releasing this Newsletter.

## VICE CHAIRMAN'S MESSAGE



I am delighted to know that the Seventh Issue of Newsletter of our College carrying the campus news and the achievements of our staff and students, who earn credits for the institution, is being released. On this gracious occasion, I wish all the best to those who are responsible for bringing out this letter. On reading this text, it would definitely be an inspiration and motivation for other students and staff to perform better and add on their contributions in the forthcoming issues. Congratulations to all the contributors.

## SECRETARY'S MESSAGE



It gives me immense pleasure to present few words as prologue to Seventh Issue of MVIT News Letter. I congratulate all the faculty and students and the editorial board for bringing out such a beautiful Issue. Empowerment of students for their all round development through education is our appreciated motto.

Today Higher Education means much more than merely acquiring knowledge. It is acquisition of knowledge and skills, building character and improving employability of our young talent, the future leadership.

I am proud of being the Secretary of SMVE Trust dedicated to the causes of better India. Come on let's give our best and make the institution as a modern temple of learning through our diligence, devotion and dedication. Wishing you all the best...!

#### PRINCIPAL'S MESSAGE



MVIT has been setup to create an attraction in imparting higher education in puducherry. The Institute is enthusiastic for discovery, development, conservation, propagation and application of knowledge in the wide range of fields with a goal to expand the scale and scope of human understanding and contribute to the betterment of the world. Imparting quality education and developing in-depth domain knowledge through competent, highly qualified faculty churned from various sources along with state of art infrastructure to make its wars competent, technically strong in any scenario, dynamic and multi-talented young professionals matching the contemporary demands of the industry and thereby making hem useful in the development of the country. In this context, I congratulate all the editorial Members who are involved in bringing out the Ninth Issue of this Newsletter successfully. “Vision without action is a Dream. Action without Vision is simply passing the time. Action with Vision is making a positive difference”.

I am much pleased in releasing this issue of Annual News Letter. Keeping in mind, augmentation of practical knowledge and better employability of the students, the institution shows keen interest in organizing various development programmes for faculty and students. I wish, every student passing out from our college has rich blend of knowledge and skill and occupies better position in the society.

I am fully confident that the college will march ahead and add more achievements to its name. I would like to send my best wishes to the entire stakeholders for showing commendable performance and give good account of themselves in worthwhile endeavors.

#### **About the Department:**

The Department was started in the year 2008 with an objective of creating a leader in engineering education and research with the application of knowledge for uplifting the society globally. Initially, the Department was started with an intake of 60 students and later it was increased to 120 students in the year 2011. The Department inaugurated IEEE students chapter in the year 2012. The faculty members are consistently doing well in teaching and research activities. The Department had well established and equipped laboratories like Electrical Machines Lab, Power Electronics Lab, Power System Simulation Lab, Microprocessor Lab & Measurements and Instrumentation Lab with equipment cost of Rs. 65 Lakhs. The Department provides exposure to the students with hands-on experience on various Electrical Engineering



subjects to face the challenges of the modern corporate world and to mould them as responsible citizens of the country with a willingness to serve the society.

The Department established internal Library with 300 titles and IEEE volumes for the welfare of the Faculty members and students.

### **VISION**

To create comprehensive electrical engineers to meet up the growing technological demands of the society.

### **MISSION**

- To impart high quality education to help the students hone their professional skills.
- To improve the competencies of students and faculties on contemporary technologies through continuous improvement programs.
- To imbibe the spirit of innovation and entrepreneurship among the students.
- To undertake research on frontier areas of electrical and electronics engineering.

### **Program Educational Objectives (PEOs)**

- Graduates will have the ability to demonstrate skills in developing innovative ideas, and in providing effective solutions to complex engineering problems thereby being productive and participative global citizens
- Our graduates will have the ability and confidence to pursue higher education or exhibit professionalism in the career or take up entrepreneurial accomplishments.
- Our graduates will have the technical competency to involve in multidisciplinary research within the suitable technological, global, societal, ethical, economical, environmental and organizational context.
- Our graduates will engage themselves in life-long learning thereby keeping themselves abreast of the contemporary issues.

### **Program outcomes (POs)**

<b>POs</b>	<b>DESCRIPTION</b>
<b>PO1</b>	An ability to apply the knowledge of mathematics and engineering fundamentals to provide solutions to complex Electrical Engineering problems
<b>PO2</b>	An ability to identify and analyse the problems on electrical engineering, and formulate the solutions appropriate to the problem through structured approach

<b>PO3</b>	An ability to design and develop software solutions to the problem with due considerations on socio-economical and environmental sustainability
<b>PO4</b>	An ability to design and conduct experiments, analyse and interpret data to provide valid conclusions and recommendations.
<b>PO5</b>	An ability to use appropriate techniques and adapt modern electrical engineering simulation tools to solve intricate engineering problems
<b>PO6</b>	Apply logic informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and recognise their responsibility relevant to the profession and explore the human side of engineering.
<b>PO7</b>	Understand the role of electrical engineers in society regarding social, cultural, environmental and global responsibilities for sustainable development.
<b>PO8</b>	Ability to understand and practice the professional, legal and ethical principles involved in the area of electrical engineering-
<b>PO9</b>	An ability to function effectively as a team member or a leader focusing on a common goal in multi disciplinary settings
<b>PO10</b>	An ability to communicate effectively on technical activities both orally and in written form
<b>PO11</b>	An ability to apply the knowledge of engineering and management principles to manage projects in multi disciplinary environments
<b>PO12</b>	An ability to undertake self learning of contemporary issues and engage in lifelong learning

#### **Programme Specific Outcome (PSO)**

<b>PSOs</b>	<b>Description</b>
<b>PSO1</b>	An ability to design, analysis and to implement power electronics converters in renewable energy applications.



<b>PSO2</b>	A capability to design and examine the power system and to solve the unit commitment with various constraints.
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### On the faculty front

#### Journals

- ✓ Mrs. S.Santhalakshmy, Asst. Prof., Mr.D.Muruganandhan Asst. Prof., Mrs. V.Thebinaa Asst. Prof., Published a Paper on “ **The comparison of F1,F2 Failures of MLI using amplitude limited modulation**” in International research journal of engineering and Technology , Vol. 3 Issue 11, November 2016, ISSN (Online) 2395 -0056.
- ✓ **G.Renuka Devi**, “Experimental Investigation of Indirect Field Oriented Control of Field Programmable Gate Array Based Five-Phase Induction Motor Drive”, *World Academy of Science, Engineering and Technology International Science Index, Mechanical and Mechatronics Engineering*, Vol:10, No:4, pp.778-789,October-2016.
- ✓ Dr.R.Valli, Prof., Mrs. R.Priya Asst. Prof., Mr.P.L.Santhanakrishnan Asst. Prof., Presented a Paper on “**A novel H Bridge cascaded multilevel inverter topology with reduced switch count for THD Minimization**” in International Conference on Engineering, Technology and Science 30<sup>th</sup> & 31<sup>st</sup> March 2017
- ✓ Dr.R.Valli, Prof., Mrs. S.Santhalakshmy, Asst. Prof., Mrs.V.Thebinaa Asst.Prof., Presented a Paper on “**Fault tolerant cascaded H bridge multilevel inverter by reconfiguration of modulation**” in International Conference on Engineering, Technology and Science 30th & 31st March 2017
- ✓ Dr.R.Valli, Prof., uploaded Video presentation on the title “**Network model in computer networks**” in DIGIGURU National Teaching Video Contest 2017 organized by ICT Academy, on 31st January 2017.
- ✓ Mrs.V.Thebinaa Asst.Prof., uploaded Video presentation on the title “**Structure of power system**” in DIGIGURU National Teaching Video Contest 2017 organized by ICT Academy, on 31st January 2017.
- ✓ Dr.G.Renuka Devi uploaded Video presentation on the title “**Signal flow graph**” in DIGIGURU National Teaching Video Contest 2017 organized by ICT Academy, on 31st January 2017.

- ✓ Mrs.R.Muthunagai has participated in “DIGIDHAN MELA” conducted by ICTACT Training academy held at Kamban Kalaiarngam.

### **Proposals Submitted/ Sanctioned**

- ✓ Dr.R.Valli & Mr.S.Rajkumar has submitted the proposal to STTP, ISTE titled **“Contemporary world of Electricity-Solar Energy”** on 22.11.16
- ✓ Dr.R.Valli & Dr.G.Renukadevi has submitted the proposal to SEMINAR GRANT, CSIR titled **“Recent Trends in Hybrid Power Generation”** on 30.11.16 and grant received.
- ✓ Dr.R.Valli, Mrs.R.Priya and Mr.P.L.Santhanakrishnan has submitted the proposal to SUMMER SCHOOL, INSA titled **“Bio Inspired Power Systems”** on 20.12.16
- ✓ Dr.R.Valli & Dr.G.Renukadevi has submitted the proposal to FDP, DST titled **“Integrating Smart Grid With Renewable Energy Systems”** on 30.11.16
- ✓ Dr.G.Renukadevi has submitted the proposal to FDP, DST titled **“Design and development of reliable and high power inverter fed multiphase induction motor drive for Industrial Applications with Reduced Cost for crucial applications”** on 03.01.17
- ✓ Dr.R.Valli & Dr.G.Renukadevi has submitted the proposal to Research, Design, Development And Demonstration (RDD&D)/ MNRE titled **“An intelligent solar energy based green energy drive”** on 06.01.17
- ✓ Dr.R.Valli, Mrs.R.Priya and Mr.P.L.Santhanakrishnan has submitted the proposal to EXTRA MUTUAL RESEARCH FUNDING/ SERB titled **“Table top biomass gasifier for home applications”** on 05.01.17
- ✓ Dr.R.Valli, Mrs.R.Priya and Mr.P.L.Santhanakrishnan has submitted the proposal to Department of Electronics & Information Technology (DeitY) titled **“IPR Management for Start ups in Electronics & ICT Sectors”** on 05.01.17
- ✓ Dr.R.Valli, Mrs.R.Priya and Mr.P.L.Santhanakrishnan has submitted the proposal to Conducting Technology based entrepreneurship development programs/NSTEDB titled **“EDP on solar power and LEDs”** on 10.01.17



- ✓ Dr.R.Valli, Mrs.R.Priya and Mr.P.L.Santhanakrishnan has submitted the proposal to Conducting Technology based entrepreneurship development programs/NSTEDB titled **“EDP on solar power and LEDs”** on 10.01.17

#### **FDP/Workshop/Conference Attended:**

- ✓ Dr.G.Renuka Devi ,attended Two Days National Workshop on "Solar Technology"at VIT,Chennai on 10-02-17 & 11-02-17.
- ✓ Dr.R.Valli, Prof., Dr.K.Sedhuraman, Asst. Prof., Mrs.R.Priya Asst.Prof., participated in Three Days FDP on **“NI Graphical System Design Platform for IOT APP”** at Manakula Vinayagar Institute of Technology, Puducherry on 23rd March to 25th March 2017.

#### **Special Lectures/Internal Workshop:**



Dr.G.Renuka Devi, AP/EEE has delivered the special lecture titled **“WIND ENERGY CONVERSION SYSTEM”** to final year students on 29th June 2016.



- Dr.R.Valli, HOD/EEE has addressed the final year EEE students of the internal workshop titled **” INTRODUCTION AND HANDS ON TRAINNG ON MATLAB”** on 1<sup>st</sup> July 2016.



**Mrs.R.Muthunagai, AP/EEE handling the technical slot section in the subject “ELECTRICAL MACHINES - I for final year students on 5<sup>th</sup> July 2016**





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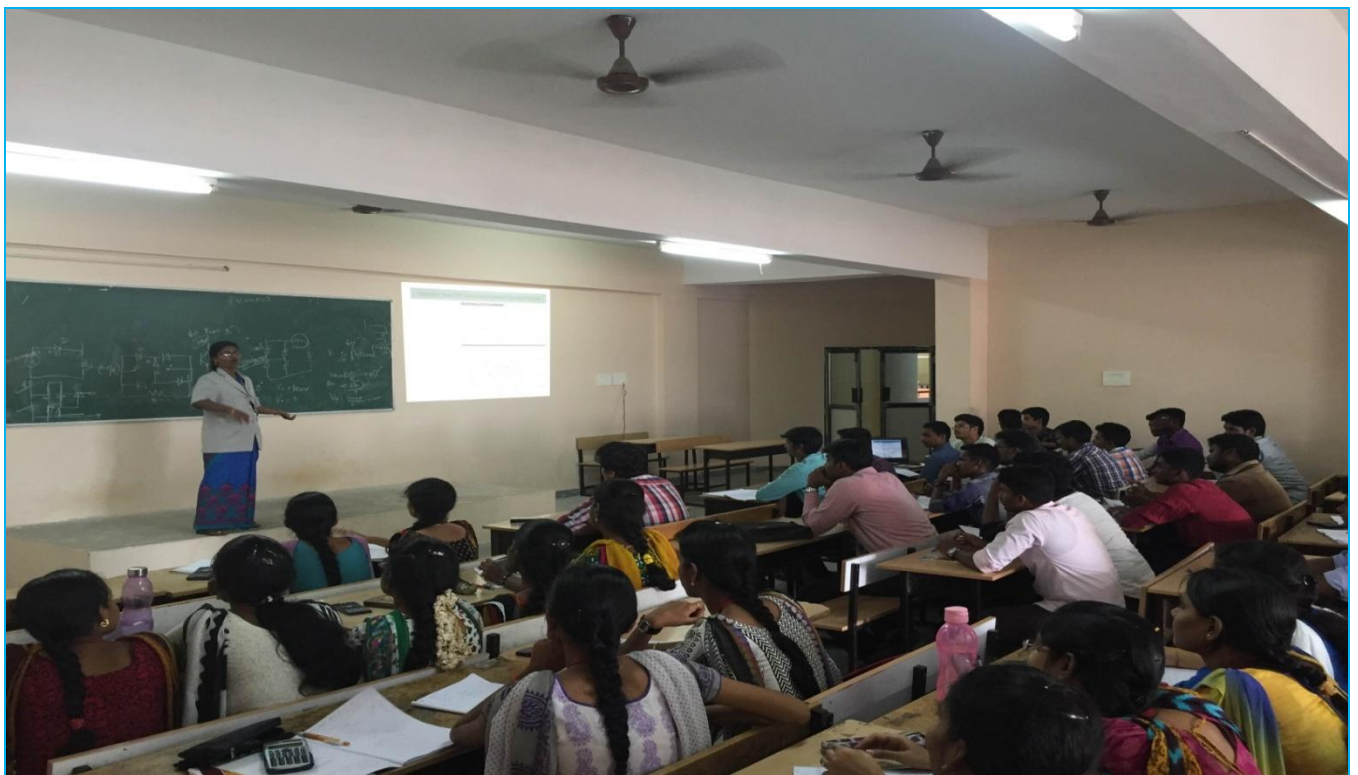


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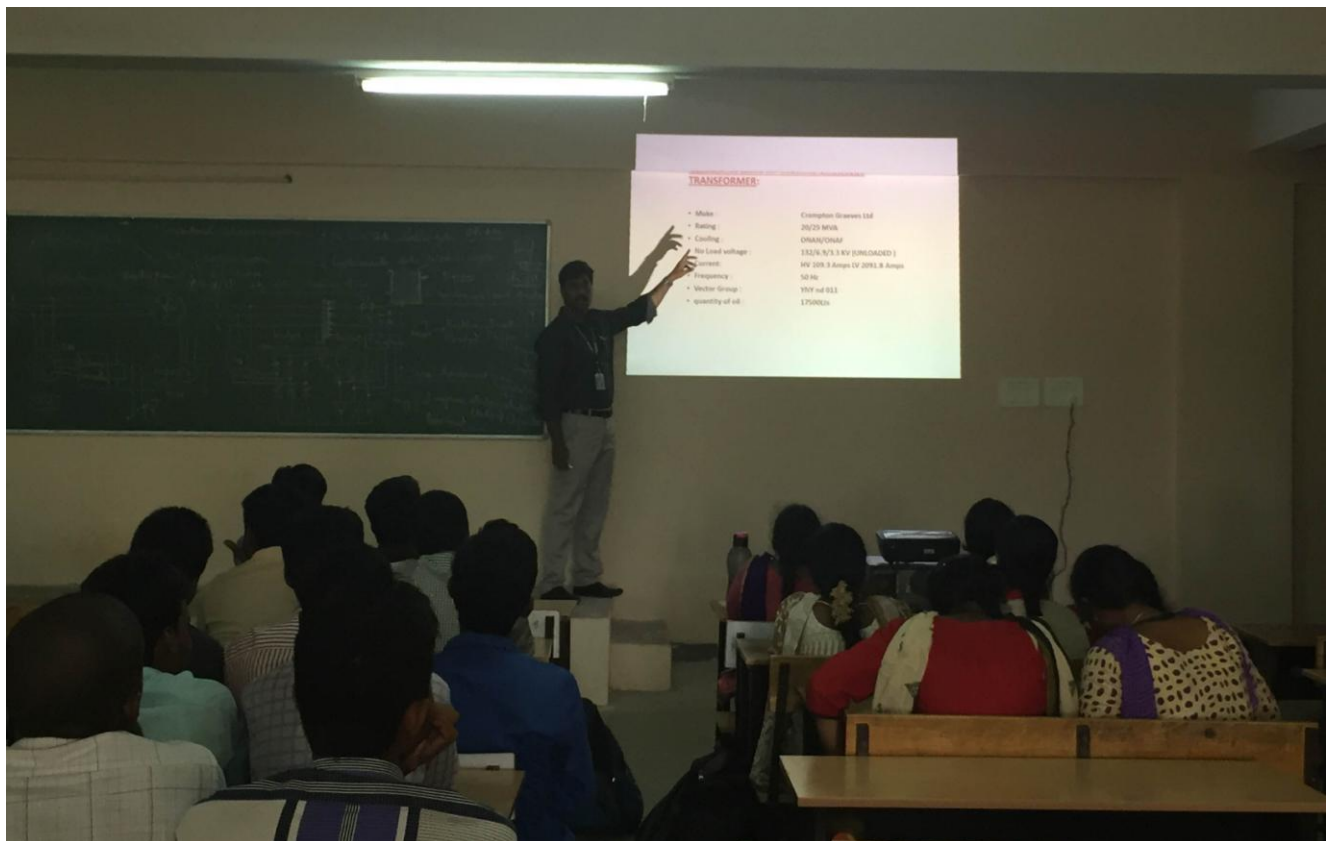








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**Student's tribute to Dr.A.P.J.Abdul Kalam** on his first remembrance day during the quiz competition organized by EEE department association ELECTRA 27<sup>th</sup> July 2016



**Dr.G.Renuka Devi** has delivered the vote of thanks to the gathering during the guest lecture title "INDUSTRIAL AUTOMATION" on 30<sup>th</sup> July 2016



**GROUP PHOTO SESSION DURING THE INDUSTRIAL VISIT TO NLC THERMAL POWER STATION 1 on 1<sup>st</sup> August 2016**



**Elanchetchenni III/B Sec presenting his topic during the “ICT ACT YOUTH TALK – PRACTICE SESSION”**





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**Third year student's group photo session in front of "Chakra SMT Pvt Ltd, Perungudi, Chennai" during the industrial visit**



Mrs.Santhalakshmy AP /EEE has delivering the welcome note to the chief guest





Mr.C.Shanmugasundaram Assoc.Prof /EEE has honoring the chief guest Mr. P.SathishRaj, R & D Head, Reeshoo E-Systems



Mr.S.Baskar from PLCC center has delivered the guest lecture titled **“PLC PROGRAMMING AND INDUSTRIAL AUTOMATION”** to second year students.



- ✓ **“VALUE ADDED COURSE IN CORE JAVA”** was conducted for second year students from 23<sup>rd</sup> December 2016 to 6<sup>th</sup> Jan 2017. The trainers from Ocean academy, Pondicherry handled the training classes.
- ✓ **“VALUE ADDED COURSE IN ADVANCED JAVA”** was conducted for third year students from 6<sup>th</sup> Jan 2017 to 21<sup>st</sup> Jan 2017. The trainers from Ocean academy, Pondicherry handled the training classes.
- ✓ **“VALUE ADDED COURSE IN VM WARE, BIG DATA, CLOUD COMPUTING and MOBILE APPLICATION”** was conducted for final year students from 27<sup>th</sup> Jan 2017 by IT finishing School. The trainers from Ocean academy, Pondicherry handled the training classes.
- ✓ One day internal workshop organized for second year EEE students titled **“ENERGY AUDITING”** on 25<sup>th</sup> Jan 2017.
- ✓ Final year students attended the career guidance lecture titled **“STUDY ABROAD”** 24<sup>th</sup> Jan 2017. The speaker for the session was M.Karthik, Good will consultancy, Pondicherry.
- ✓ One day skill development program on **“TESTING AND MAINTENANCE OF TRANSFORMERS AND MOTORS”** Conducted for the students of EEE (II yr, III yr and IV yr) on 31<sup>st</sup> Jan 2016. The Program is going to be conducted by Mr.S.SenthilKumar Assistant Director & Mr. K.Muthukumar, Deputy Director, National Power Training Institute, Neyveli.
- ✓ Debate titled **“DIGITAL INDIA”** conducted for second and third year EEE students as an event from technical club on 18<sup>th</sup> Feb 2017.
- ✓ Solar energy workshop was conducted for second year students on 4<sup>th</sup> March 2017.
- ✓ Three days Faculty development program titled **“NI Graphical System Design Platform for IOT APP”** was organized with ICTACT training academy and National Instruments, Bangalore. Dr.K.Jayaraman and Mr.Rajasekar from National Instruments has handled the sessions. 30 faculty members from various Engineering institutions had participated in it.
- ✓ EEE department organized poster presentation for the second year students titled **“DEMONETIZATION”** on Jan 7<sup>th</sup> 2017
- ✓ EEE department organized **Technical Quiz competition** for the second year and third year students on March 9<sup>th</sup> 2017
- ✓ EEE department organized seminar presentation titled **Dream companies and profiles** for second year and third year students on Feb 4<sup>th</sup> 2017
- ✓ EEE department organized **circuit debugging and mini project expo** event for the second year and third year students on March 14<sup>th</sup> 2017
- ✓ EEE department signed MoU with Greenergy Solar solutions, Pondicherry in association with Solarland, China on 30<sup>th</sup> Jan 2017





**Mr. K.Muthukumar, Deputy Director, NPTI Neyveli has delivering the lecture to the EEE students titled “TESTING AND MAINTENANCE OF TRANSFORMERS AND MOTORS” Conducted for the students of EEE (II yr, III yr and IV yr) on 31<sup>st</sup> Jan 2016**



**One day skill development program on “TESTING AND MAINTENANCE OF TRANSFORMERS AND MOTORS” Conducted for the students of EEE (II yr, III yr and IV yr) on 31st Jan 2016 by Mr.S.SenthilKumar Assistant Director & National Power Training Institute, Neyveli.**



**EEE department organized the career guidance lecture session titled “STUDY ABROAD” 24<sup>th</sup> Jan 2017. M.Karthik, Good will consultancy, Pondicherry has addressed the gathering and given guidelines to the students regarding higher studies opportunities**

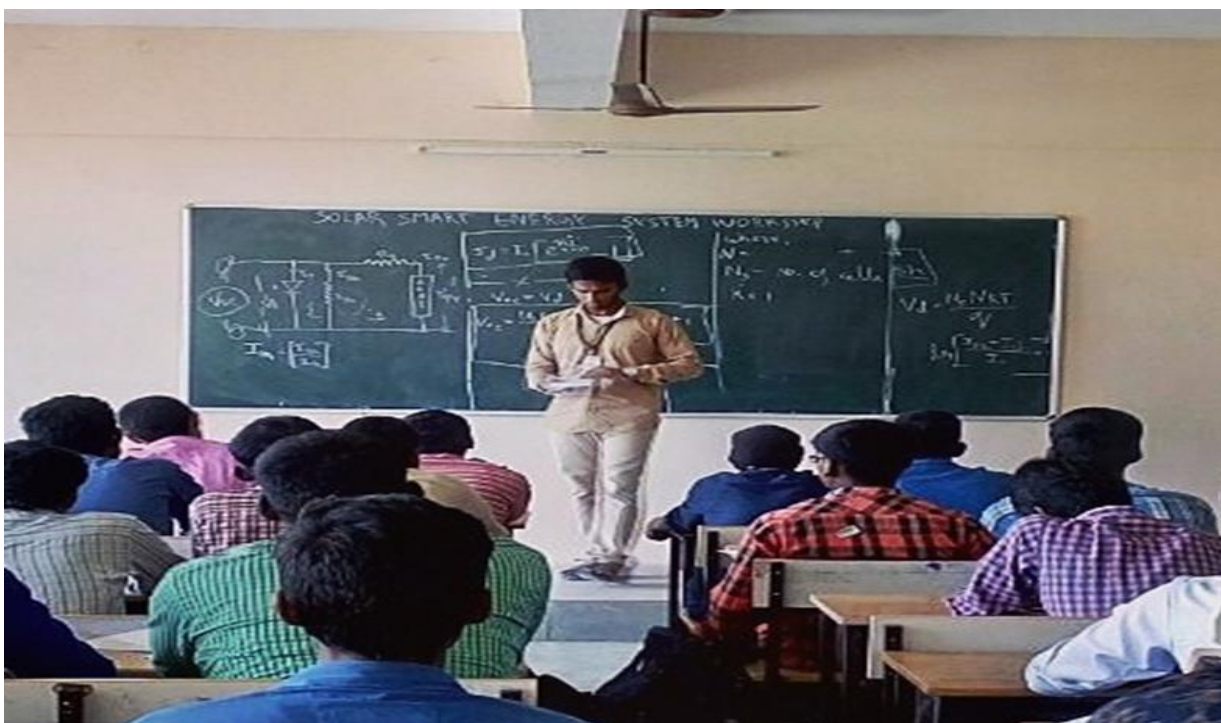


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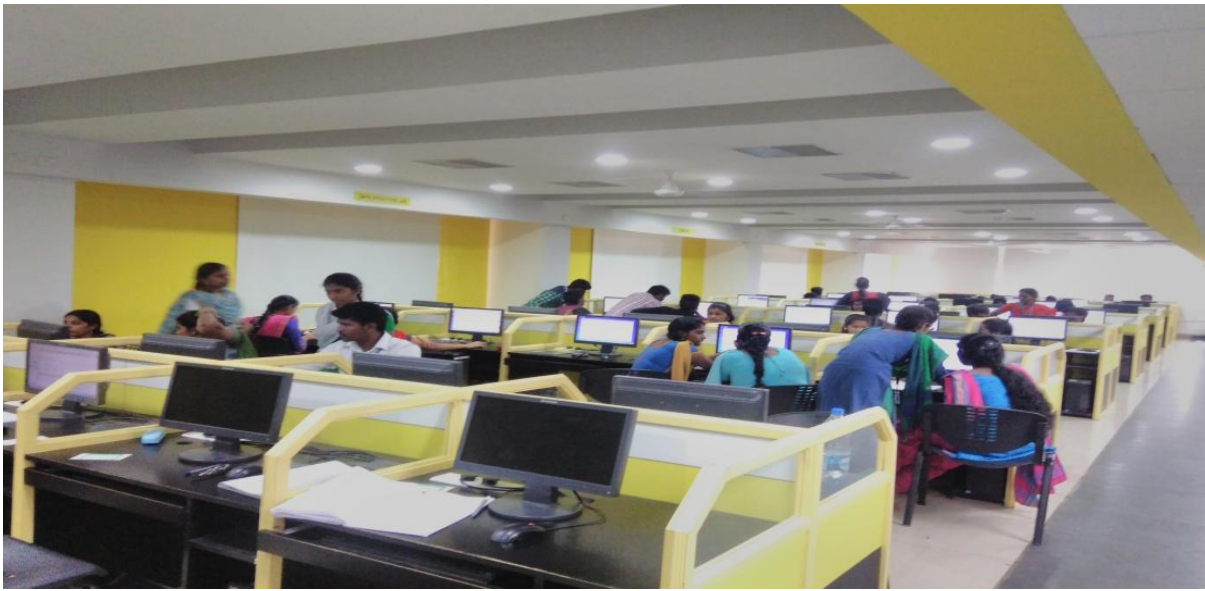




**EEE department organized seminar presentation titled Dream companies and profiles for second year and third year students on Feb 4<sup>th</sup> 2017**



**One day Workshop on “Smart Energy System” was conducted by the Department on 4<sup>th</sup> March 2017. The session was handled by second year students**



**Value Added Course Conducted on “Core Java “for II year EEE students handled by trainers from Ocean Academy, Pondicherry from 23<sup>rd</sup> December 2016 to 5<sup>th</sup> January 2017.**



**Value Added Course Conducted on “Advanced Java” for III year EEE students handled by trainers from Chakrika Software Solutions, Pondicherry from 6th January to 19th January 2017.**





A National Level Technical Festival – MITILENCE 17 was conducted by the Department of ECE and EEE CSE and IT, Tremendous amount of students from in and around of colleges participated in all the events, held on 10<sup>th</sup> & 11<sup>th</sup> February 2017



Group photo session during the final year fairwell celebration on March 28<sup>th</sup> 2017 in MIT Auditorium



**Three days Faculty development program titled “NI Graphical System Design Platform for IOT APP” was organized with ICTACT training academy and National Instruments, Bangalore.**

#### **On the Front of Students**

- ✓ Elanchetchenni III/B and M.Tamilselvan III/A has selected up for “**ICT YOUTH PRESENT-TOP 10 STUDENTS**” and had gone to participate in “**ICT DIGITAL YOUTH SUMMIT 2016**” held at Kamban Kalai Arangam, Puducherry.

#### **Conference/Paper Presentation**

- ✓ Ms. R.Nithyaprabha III/EEE and Ms. Padma Priya of second year had participated in the Paper Presentation titled on “Smart Dustbin” on K-Talents 2K-17, A national Level Technical Symposium Conducted at Krishnasamy college of Engineering & Technology, Cuddalore on 3<sup>rd</sup> February 2017
- ✓ Ms. G.Santhiya and Ms. Revathy of third year had participated in the Paper Presentation Entitled on “Solar and thermal energy” on K-Talents 2K-17, A national Level Technical Symposium Conducted at Krishnasamy college of Engineering & Technology, Cuddalore on 3<sup>rd</sup> February 2017 and won cash prize of 1500.
- ✓ Ms.Vaishnavi and Ms. Gowsalya of third year had participated in the Paper Presentation Entitled on “AUDIO SPOT LIGHTING” on K-Talents 2K-17 , A national Level Technical Symposium



Conducted at Krishnasamy college of Engineering & Technology, Cuddalore on 3<sup>rd</sup> February 2017

- ✓ Mr.Balasubramanian and Mr. Jothi sharavanan of third year had participated in the Paper Presentation Entitled on “Design and analysis of 170KV capacitor using MAXWELL software” on K-Talents 2K-17, A national Level Technical Symposium Conducted at Krishnasamy college of Engineering & Technology, Cuddalore on 3<sup>rd</sup> February 2017
- ✓ Ms.Rajambal and Ms. Jayam of third year had participated in the Paper Presentation Entitled on “Nitrogen cycle transformation” on K-Talents 2K-17 , A national Level Technical Symposium Conducted at Krishnasamy college of Engineering & Technology, Cuddalore on 3<sup>rd</sup> February 2017
- ✓ Mr.Santhosh and Mr. Ramakrishnan of third year had participated in 5<sup>th</sup> National Conference on intelligent computing techniques in Electrical and Electronics –ICTEEE-17 and presented paper Entitled on “ CPS-PWM Multilevel inverter for THD minimization” at Mailam Engineering College on 22<sup>nd</sup> March 2017
- ✓ Ms. R.Nithyaprabha III/EEE and Ms. PadmaPriya of second year had participated in the 5<sup>th</sup> National Conference on intelligent computing techniques in Electrical and Electronics –ICTEEE-17e Entitled on “ Smart dustbin” at Mailam Engineering College on 22<sup>nd</sup> March 2017
- ✓ Ms.Revathy and Ms.Santhiya of third year had participated in 5<sup>th</sup> National Conference on intelligent computing techniques in Electrical and Electronics –ICTEEE-17 on “Solar thermal energy power” at Mailam Engineering College on 22<sup>nd</sup> March 2017.
- ✓ Mr.Bharath Kumar and Mr.Thamizhselvan of third year had participated in TORQUE 17 A national Level Technical Symposium Entitled on “SMART FORMING” on Conducted at Selvam Institute of Technology, Nammakal on 18<sup>th</sup> Feb 2017.
- ✓ Mr.Balasubramanian and Mr.Rajasuriya of third year had participated in TORQUE 17, National level technical symposium Entitled on “Design and analysis of 170KV capacitor using MAXWELL software” Conducted at Selvam Institute of Technology, Nammakal on 18<sup>th</sup> Feb 2017.
- ✓ Mr.Elanchetchenni of third year had participated in Entitled on TORQUE 17, National level technical symposium “Hybrid Monorail” at Selvam Institute of Technology, Nammakal on 18<sup>th</sup> Feb 2017.
- ✓ Mr.RuthraKumar.M of second year EEE has presented paper titled “LINE SOCCER” in ELECTROFOCUS 17 –A national level technical symposium and secured III prize.

#### In-plant Training:

- ✓ Mr.M.Balasubramanian, Mr.M.Arun Ramakrishnan, Mr.M.Karthi ,Mr.K. Jothi Sharavan and Mr.Madhavan of III year students had undergone 5 days In plant training in Venkata Nagar substation ,Puducherry from 13<sup>th</sup> March to 18<sup>th</sup> March 2017.

- ✓ Mr.Ushakiran, Mr.Bharath kumar, Ms.Vaishnavi,Ms.Gowsalya,Ms.Akansha Gaur,Mr.Sakthi Prakash from III year EEE students had undergone 3 days In plant training in PPCL GAS POWER STATION ,Karaikal from 22nd March to 24th March 2017.

✓

### **Competitions:**

- ✓ Mr.Naveen Kumar of Third Year had participated in ROBOTICS competition held at Kumaraguru College of technology ,Coimbatore on 9<sup>th</sup> Feb 2017 and won the I prize with cash award of Rs.20,000/-
- ✓ Mr.Rajadurai.R of Third Year had participated in INTERCOLLEGIATE SPORTS COMPETITION held at Pondicherry Engineering College on 9th Feb 2017 and got I Prize.
- ✓ Mr.Mohamed Aseem II/EEE had participated in **BUSINESS PLAN-GLOBIZZ'17** event held by Department of international Business, Pondicherry University 17th Feb 2017. His start up idea "BIO PLASTIC" was awarded the second best business plan.
- ✓ Mr.Thamizhselvan, Mr. A.Vignesh, Mr.Vaishnavi, Mr.Gowsalya of third year had participated **project display event and demonstrated their project NOVEL GAS LEAKAGE DETECTOR** held at NIT, Karaikal on 24th Feb 2017.
- ✓ Ms.Gayathir.L of final year had participated in DIGIBeti completion of ICTACT academy and her presentation titled INDIAN YOUTH AND SPORTS" is nominated in the top 20 presentation. In the public voting process ,she got 5<sup>th</sup> place and received certificate and Power bank.
- ✓ Ms.Padmapriya.S from second year participated in "WAVES-A National techno Management Fest" on 1<sup>st</sup> to 3<sup>rd</sup> march 2017 at College of Engineering Guindy campus
- ✓ Mr.Deivanayagam.K of second year participated in cricket match - South India Inter Engineering Collegiate at SR Engineering college on 23<sup>rd</sup> to 11<sup>th</sup> March 2017.
- ✓ 20 students from II and III year had displayed their projects in **SCIMIT -17 project competition** event on 28<sup>th</sup> Feb 2017.

### **Workshops Attended:**

- ✓ Mr.Santhanakrishnan, Mr.Prabhudoss, Mr.Arunkumar , Mr.Karthikeyan, Mr.Sudhagar , Mr.Sakthiprakash and Mr.Aravind .C from III year EEE students had participated in Three days workshop titled "SWARM ROBOTICS" held at ANNA UNIVERSITY, Chennai from 2<sup>nd</sup> March 2017 to 5<sup>th</sup> March 2017
- ✓ Ms.NithyaPrabha from III year EEE students had participated in Three days workshop titled "Protection And Switch Gear" held at ANNA UNIVERSITY, Chennai from 2<sup>nd</sup> March 2017 to 5<sup>th</sup> March 2017
- ✓ 20 students from II and III year students had participated in workshop titled "SMART SOLAR RENEWABLE ENERGY" held at NIT , Karaikal on 24<sup>th</sup> Feb 2017.



- ✓ Ms.S.Kamali, Ms.Deepika@Premi.R.O, Ms.Haripriya.E, Ms.Mohamed aseem of Second year EEE participated in Ethical hacking workshop held at Manakula Vinayagar Institute of Technology, Puducherry
- ✓ Ms.SewthaNarayeneswari of second year EEE participated in Python workshop held at Pondicherry University on 10<sup>th</sup> Feb 2017
- ✓ Ms.SewthaNarayeneswari , Ms.S.Kamali, Ms.Yavaraj.A, Ms.Mohamed Aseem. Ms.S,Divya Lakshmi , Mr.M.Aravindh of second year EEE participated in Solar smart energy System workshop held at NIT,Karaikal from 24<sup>th</sup> Feb to 25<sup>th</sup> Feb 2017.
- ✓ 20 students from II and III year EEE has participated in “DIGIDHAN MELA” workshop conducted by ICTACT Training academy held at Kamban Kalaiarngam.

### **Extra Curricular Activities:**

- ✓ Ms.SewthaNarayeneswari ,S.Kamali, Mr.Yuvaraj.A, Mr.Mohamed Aseem.S , Mr.Vignesh, Mr.vasudevan, Ms.Brinda from Second year had participated in NSS camp for creating energy conservation awareness among schools in and around Puducherry



Haripriya/II participated in the poster presentation competition titled “DEMONETIZATION” on Jan 7<sup>th</sup> 2017



Second year students at “Energy conservation” awareness camp in schools in and around Puducherry

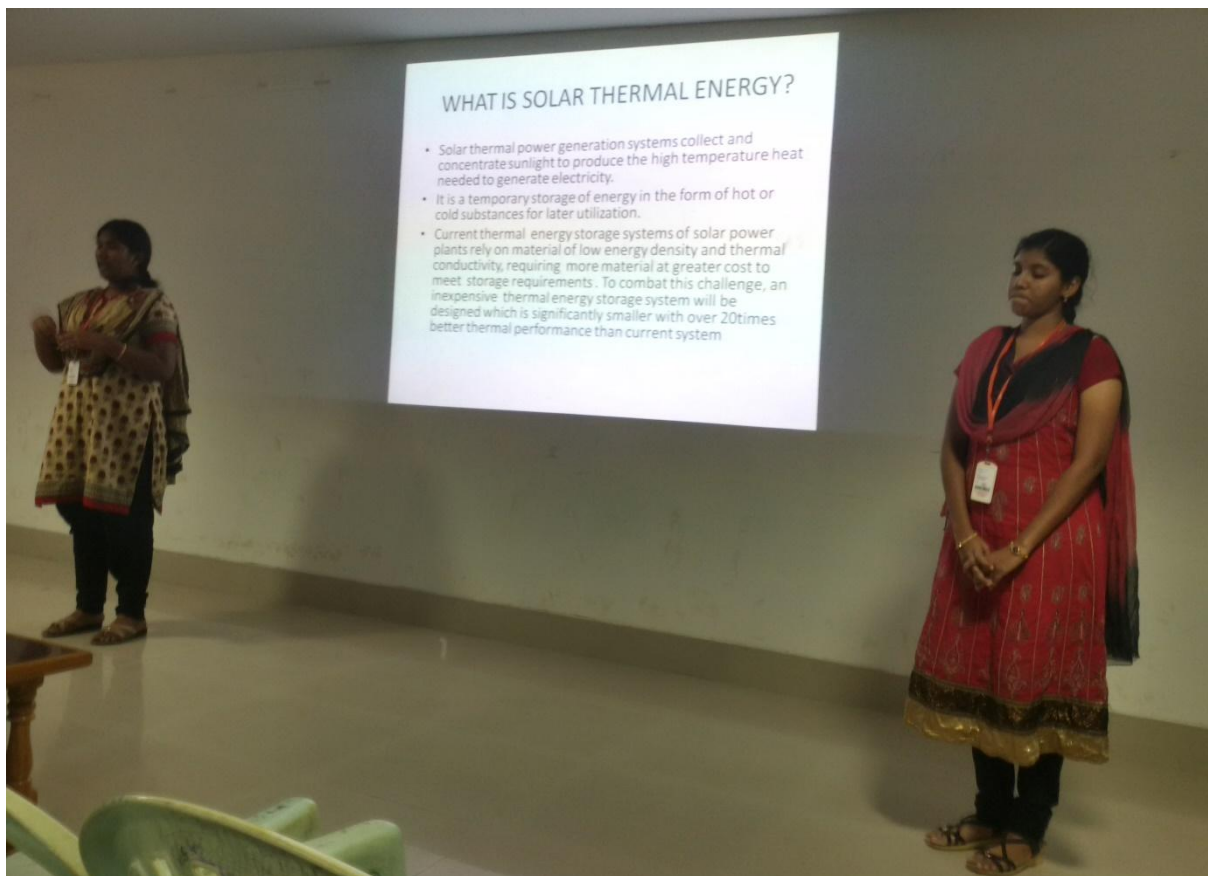


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**Mr.Naveen Kumar of Third Year had participated in ROBOTICS competition held at Kumaraguru College of technology ,Coimbatore on 9<sup>th</sup> Feb 2017 and won the I prize with cash award of Rs.20,000/-**



**News Letter**

**2016-17**



***Department  
Of  
Electrical  
&  
Electronics***



**MANAKULA VINAYAGAR**  
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