



Department of Electrical and Electronics Engineering

E-Waves

Newsletter – June 2017

P.A.C. Ramasamy Raja Polytechnic College, Rajapalayam

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The Department:

The Department of Electrical and Electronics Engineering started functioning from the inception of the institution in 1963. It offers three-year Full-time Diploma Programme in Electrical and Electronics Engineering (Regular & Self-Supporting) with an intake of 120 students.

The faculty in the department are highly committed, motivated and well-equipped to offer the best training to the budding engineers. The department was granted Autonomous status from 1995 - 1996. This department got 3 Times Accredited for 3 years in the year 2001, 2008 and 2012.

Words of Wisdom

There is no substitute for hard work.

- Thomas Alva Edison

Editor's Desk

The department brings out the Newsletter for disseminating and sharing the major achievements/activities of the students and faculty members among the peers, academia and industries.

Sri. P.A.C. Ramasamy Raja Centenary Memorial Gold Medal

Selvi R. Madhumitha of III Year Electrical and Electronics Engineering received this prestigious award, instituted by Shri. P.R. Ramasubrahmaneya Rajha, our Chairman for the best outgoing student who excels in curricular, co-curricular and extra-curricular activities. The award was given by the chief guest Dr. Sudhindra Nath Panda, Director, NITTTR, Chennai during the 54th College Day function held on 28.02.2017.



The Best Outgoing EEE Student of the Year 2016 - 2017



Selvan B. Ajithkumar of III Year EEE received Thandal Janagaraja @ Krishnamaraja Vijayalakshmi Gold Medal for the Best outgoing EEE student of the year 2016 -2017. The award was given by our beloved Governing Council Member, Shri. N. K. Ramasuwami Raja during the 54th College Day function held on 28.02.2017.

Guest Lecture

Mr. A. Tariq Ansar, Instrumentation Engineer, Keystone Automation Solutions Pvt Ltd, Chennai, delivered a guest lecture for III year EEE students (140 nos.) on the topic "PID Controller" on 25.01.2017.

Placement Training

Mr. R. Vijay, Project Engineer, Blue Star Ltd, Hyderabad delivered a guest lecture for III year EEE students (71 nos.) on the topic "How to Face an Interview" on 16.12.2016.

In-Plant Training & Internship

II Year/IV Semester EEE students numbering 160, underwent a one week unpaid In-Plant training in 30 industries during the month of May 2017.

Selvan S. Rudhrra and Selvan B. Ajithkumar of III Year EEE completed the following task with the help of Keystone Automation Private Ltd, Chennai for Industry. Deployable application development for BMI indexing project in Health monitoring section of India cements Ltd., Dalavoi, with Python and Kivy, which interacts with PLC in real time and calculates the BMI of a person and gives suggestions for a person's BMI.

Bright Students Activity

- ❖ Additional Experiments on Arduino Programming was given to II Year/IV Semester EEE students by Mr. K. Mohanraj and Mrs. M. Seetha from Dec 2016 to March 2017.
- ❖ Additional Exercise was given on "Interfacing PLC with HMI" to III year/VI Semester EEE students using TIA Portal software by our faculty Mr. V. R. Velmurugan and Mr. M. Kalyanasundaram from Dec 2016 to March 2017.
- ❖ Mentoring program on "Control of Electrical Machines" was organized by Mr. M. kalyanasundaram to II Year EEE students (16 nos.) from 24.04.2017 to 09.05.2017.
- ❖ Robotics training was given to 10 nos. of II year EEE students in the month February 2017. E-Yantra Robotics kits were used for practice.
- ❖ Selvan S. Rudhrra of III Year EEE completed the task given by our Principal: Reviving an old HMT-T70 CNC lathe machine to work with fully functional features with Arduino open source and cross platform applications.
- ❖ Selvan S. Rudhrra of III Year EEE completed the project, Interfacing Arduino with PC Graphics and python. Arduino is programmed to interface with PC graphics and show the measured length in real time in PC. This application is based on python language and Visual python.

Industrial Visit

Our staff members Mr. R. Rameshkumar, Mr. V.R.Velmurugan, Mr. R. Victor German, Mr. M. Muthukrishnan, Mr. M. Muthanantham, Mr. S. Sundaram, Mr. G. Ravikumar and Mr. J.Navaneethan accompanied our students for Industrial visit in the following industries:

- 24 nos. of III year EEE students visited the Solar Power Plant, Rajapalayam on 22.02.2017.
- 67 nos. of II year EEE students visited The Ramco Cements Ltd, Virudhunagar on 24.02.2017.
- 70 nos. of III year EEE students visited the Hydrel Power Plant, Servalaru on 23.02.2017.
- 70 nos. of II year EEE students visited the District Science Centre, Tirunelveli on 06.03.2017.



Placement Details

#	Name of the Company	No. of Students Placed	Salary
1	Caliber Interconnect Coimbatore	9	10,000
2	Blue Star, Chennai	1	21,300
3	Avalon Technologies, Chennai	7	7000+Food
4	Igarashi Motors, Chennai	6	10,000 + Food
5	Eureka Forbes, Chennai	2	8000
6	RREC, Coimbatore	3	12,000
7	Appasamy Associates, Chennai	13	10,000 + Accom.
8	Zoho Corporation, Chennai	2	8,000 + Accom.
9	TVS Motors, Hosur	2	17,000
10	Delphi TVS, Chennai	1	10,500+Food
11	Auro Lab, Madurai	3	7000
12	IBPS Gulf, Chennai	1	7500
13	Nobel Software's Bangalore	2	8000

Institution of Engineers (India)

- 45 No. of II and III Year students handled the class room seminars on different topics.
- Selvan S. Manikandan, III year EEE, won the First Prize for the class room seminar taken on 08.02.2017.
- Selvan V. Vishnu Gopan, III year EEE, won the Second Prize for the class room seminar taken on 23.01.2017.
- Selvan M. Muthu Raj, II year EEE, won the First Prize for the class room seminar taken on 20.02.2017.
- Selvan M. Esakki Raja, II year EEE, won the Second Prize for the class room seminar taken on 16.02.2017.
- Selvan K. Hari Prasath and Selvan L.S. Sunil Varma won the First and Second Prize in Essay writing competition on the title of "Digital India" held in our college on 09.02.2017.
- Selvan C. Ayyanar Raja, Selvan R. Guru Balaji and Selvan S. Rudhrra received the First Prize (III Year) and Selvan A. Sureshkemar, Selvan M. Vivek Kumar and Selvan S. Pandeewaran won the Second Prize (III Year) in Technical Quiz conducted in the class room on March 2017.
- "PLC Based color mixing project interfacing with HMI" model was constructed by C. Ayyanar raja, M. Karthick Raja, K. Niranjana and S. Pandeewaran in model making contest.



Orientation Program

An orientation program on "Solar Photovoltaic Systems" was conducted on December 11th 2016 for III year EEE students by Mr. G. Rajaganesan, Head Technical Operations of VATIO Energy India Pvt Ltd, Chennai. Students, Staff and Parents participated.



ISTE Students' Chapter

- Selvan V. Sainath and Selvan S. Iyyapan of III Year EEE won the First prize in the paper presentation contest conducted at PSG Polytechnic College, Coimbatore.
- 08 No. of III Year students participated in the paper presentation contest held at S. Thangapazham Polytechnic College.
- Selvan B. Ajith Kumar of III Year EEE won the First prize in the paper presentation contest held at Arasan Ganesan Polytechnic College, Sivaksi.
- Selvan B. Ajith Kumar of II Year EEE won the Second prize in the paper presentation contest held at PSG Polytechnic College, Coimbatore.

Awards and Achievement

- Selvi R. Madhumitha of III year EEE received PAC Ramasamy Raja Centenary Gold Medal for the best All-rounder of the year 2016-2017.
- Selvan B. Ajith Kumar of III year EEE received Thandal Kanagaraja @ Krishnamaraja Vijayalakshmi Gold Medal for the Best outgoing EEE Student of the year 2016-2017.
- Selvi R. Madhumitha of III year EEE received ISTE Chapter Best Student Award.
- Selvi R. Madhumitha of III year EEE received IE(I) Best Student Award.

Innovative Teaching Learning Workshop

"Innovative Teaching-Learning Methods Workshop" was conducted in our polytechnic during 10th and 11th January, 2017, for the benefit of the faculty members from selected CIICP polytechnic colleges. Mr. G. Rajagopal handled sessions on "Innovative Teaching Learning Methods adopted in EEE Department".



Industrial Visit by Staff

Our Principal Dr. R. Venkatraj, Mr. V.R.Velmurugan and Mr. G. Rajagopal visited the DANFOSS Drives manufacturing plant at Oragadam, Chennai on 26.04.2017. They also attended a meeting with SIEMENS staff at SIEMENS Corporate office, Chennai on 25.04.2017.

FDP /Seminar/Workshop/Conference

- Mr.V.R.Velmurugan and Mr. G. Rajagopal presented the paper at Thiagarajar Polytechnic College, Salem on 30.12.2016 on the topic "Innovative Teaching Methodologies".
- Mr. G. Rajagopal, Mr. G. Ravikumar, Mr. R. Mareesvaran, Mr. J. Navaneethan and Mr. M. Vanarajan involved in the Fabrication of Process Control Trainer Kit in the month January 2017.
- Mrs M. Seetha attended a one day seminar on "IoT" at Kamarajar College of Engineering, Virudhunagar on 01.03.2017.
- Mr. Visweswaran Jagadeesan, Sr. Academic Technical Consultant, National Instruments, Bangalore visited our college and explained the features of NI Trainer kit to EEE and ECE faculty members on 04.05.2017 at Board Room.
- Mr. V.R.Velmurugan attended the 5th National summit on Sustainable Institute Industry Partnership & SIIP Awards on 22.03.2017 at IIT-Madras.
- Mr. R. Rameshkumar, Mr.V.R. Velmurugan, Mr. G. Rajagopal, Mr. M. Kalyana Sundaram, Mr. M. Muthanantham and Mr. J. Navaneethan attended the four day workshop on "Live Demo given on Process Control Trainer Kit". The features of kit was explained by Mr. V. Kandeepan & Mr. S. Raja System Engineer , Keystone Automation Pvt Ltd from 15.02.2017 to 18.02.2017.
- Mr. R. Rameshkumar, Mr.V.R. Velmurugan, Mr. G. Rajagopal, Mr. S. Sundaram, Mr. G. Ravikumar, Mr. R. Mareesvaran and Mr. J. Navaneethan visited the Gopi Electricals, Rajapalayam to see the new MV Panel designed for our college power house. The features of the Panel was explained by Mr. J .Santhosh, MD, Gopi Electricals.

Other Activities

- Mr. S. Arunsankar delivered a lecture through video conferencing on the subject "Measurements & Instruments" on 15.12.2016 organized by DoTE, Chennai.
- Mr. M. Muthukrishnan delivered a lecture through video conferencing on the subject "Transducers and Signal Conditioners" on 16.12.2016 organized by DoTE, Chennai.
- Mr. K. Mohanraj delivered a lecture through video conferencing on the subject "Digital Electronics" on 28.12.2016 organized by DoTE, Chennai.
- Mr. M. Muthanantham delivered a lecture through video conferencing on the subject "Electrical Drives and Controls" on 29.12.2016 organized by DoTE, Chennai.
- Mr. R. Ramesh Kumar HOD/EEE acted as judge for the state level paper presentation contest conducted at S. Thangapzham Polytechnic College.

Students' Corner



EEE students in Cultural Event



Demo by C. Ayyanaraja, III Year EEE



Demo by S. Rudhraa, III Year EEE

Chief Editor: Dr. R. Venkatraj, Principal

Editors:

- Mr. R. Ramesh Kumar, HOD/EEE,
- Mr. K. Karthikeyan, Lecturer/EEE,
- Mr. G. Rajagopal, JDO/EEE
- Selvan B. Ajithkumar, III Year EEE
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