Newsletter

Half yearly Edition

June-December 2018

PSR ENGINEERING COLLEGE

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

INSIDE THIS ISSUE

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EDITORIAL

Perfection, as culture conceives it, is not possible while the individual remains isolated. The individual is required, under pain of being stunted and enfeebled in his own development if he disobeys, to carry others along with him in his march towards perfection."

-Matthew Arnold

A newsletter inspires and motivates students and staff alike, for it reminds them of the zeal that they had once to do something extraordinary. In this newsletter, we have reported significant achievements of the Departments, Staff and Students. Campus news and events, and the placement scenario have also been emphasized. I am glad to acknowledge the kind support that I received directly and indirectly, to bring out the newsletter on time.

"Every Success is built on the ability to do better t6han good enough"

From the DEAN'S Desk

Dr.P.Marichamy
Professor/ECE

I am happy that the ECE Department is bringing out a News-letter. The Newsletter will definitely help to show-case the activities that are happening in the campus. It also helps in building up teamwork which is very much needed today in the world of competition. It provides a platform for exposing the merits and academic achievements of the faculty. This enhances the documentation culture of the institute. This would definitely create an impact in the minds of readers, by way of providing larger visibility and dimension to the campus. I hope that this culture of releasing Newsletter continue forever and become a quoted example for all other colleges to follow.

HOD'S MESSAGE

Dr.K.Valarmathi

I am very pleased to present you the newsletter of Electronic and Communication Engineering Department. Within these pages you will and much news related to diverse activities from the whole Faculty members and students. You can see the contributions from Faculties and students. I hope everyone will and this newsletter exciting and interesting.

Department vision

- The vision of the Electronics & Communication Engineering Department is to produce graduates with sound knowledge for the betterment of society and to of industry and research.

Department mission

- Offering under graduate and post graduate programmes by providing effective and balanced curriculum and equip themselves to gear up to the ethical challenges awaiting them.
- Providing the technical, research and intellectual resources that will enable the students to have a successful career in the field of electronics& communication engineering.
- Providing need based training and professional skills to satisfy the needs of society and industry.

Intra College Symposium SHRISTY-18

- ECE department organized an Intra College Symposium SHRISTY-18 on 19 September 2018.

FACULTY DEVELOPMENT PROGRAM

ACHIEVEMENTS

- IETE Cell has conducted a faculty development program on "IoT AND ITS REAL TIME APPLICATIONS" on 14th September, 2018.
- Resource Person was Dr.M.Arun Raja, M.E., Ph.D., MBA, CEO Silicon Harvest, Madurai

V.CHARUMATHI & R.K. SURIYA PRIYA got Student innovator Award-2018, ICT ACADEMY for their projects "Lora Based Traffic Congestion Control System"& "Under Water Surveillance Robot."

"Difficult roads often lead to beautiful destinations"

Industrial Visit

III ECE students visited VSSC Space museum, Trivandrum on 20.07.2018.

II ECE students has gone for an industrial visit to Kerala Electrical & Allied Engineering Co. LTD, Cochin on 31.07.2018

Teacher's day Celebration

- Students of ECE Department organized Teacher's day celebration on 5th September, 2018.
- Various games were arranged for the faculties.
- Gifts made by the students were given to both teaching and non-teaching staffs.

"Good, better, best. Never let it rest till your good is better and better is your best."

Two day workshop

- Department of ECE has organized two day workshop on PCB Designing and testing on 5th and 6th September, 2018.

Alumni's Contribution

Guest lecture

- An "Interactive session on career opportunities" was conducted by Mr. S. Aravid Karuppasamy & Mr. S. Mareeswaran on 07.09.2018.
- He encouraged the students to explore more opportunities where they can use their innovative ideas.

- A talk on "Job opportunities in military services" was given by Sepoy. P. Manikandan on 07.09.2018.

PEER EDUCATION INTERACTIVE TRAINING PROGRAMME

- Red ribbon club (RRC) conducted peer education interactive training programme on 23/07/2018 at ECE seminar hall.
- MR.M.Kaliappan ICTC/STD councelor govt hospital kallamanaickerpatti and MRS.S.Suseela coordinator HIV Ullor nalasangam,Virudhunagar district was the resource person.

Seminar

- *YRC organized a Seminar on "Awareness about blood donation "on 24/07/2018 .*
- *Resource person –Dr. B. Sailesh Kumar M.S FIAGES, Blood Bank Medical Officer Government Hospital, Sivaksi.*

CONGRATULATIONS

ECE Department congratulates the following students for qualifying one among the **10146** teams (from all the states of India) to the Quarterfinals Round - IICDC 2018 conducted by **Texas Instruments.**

Project Title**: CANNY HELMET**

Mentor**: Dr. P. MARICHAMY, Dean (Academic)**

AARTHY J
III YEAR ECE

CHARUMATHI V
III YEAR ECE

DEEPALAKSHMI K S
III YEAR ECE

SURIYA PRIYA R K
III YEAR ECE

GANGA DEVI. N
III YEAR ECE

Training for lab technicians

- Ms.Nithya attended a Workshop on "Recent trends and Research Challenges in Deep Learning"   on 30.08.2018 & 31.08.2018 at Thiyagarajar college of Engineering, Madurai .
- Ms.Mareeswari attended aWorkshop on "Recent trends and Research Challenges in Deep Learning" on 30.08.2018 &31.08.2018 at Thiyagarajar college of Engineering,Madurai.
- Ms.Sumitha from IIST, Trivandrum was the resource person.

FACULTY DEVELOPMENT PROGRAMME
- ECE Department conducted One Day FDP on Introduction to Python Programming on 14.11.2018
- Resource Person:Dr.S.Veeramani AP-Dr.Mahalingam College of Engineering and Technology Coimbatore.

WORKSHOP

- Three Days Workshop on ROBOTICS AND AUTOMATION was held for the students from 11.12.2018 to 13.12.2018
- Resource Person was Dr.S.R.Pandian Dean(Planning)& Coordinator Teaching Learning Center IITDM,Kancheepuram

SEMINAR

- IETE Forum of ECE Department Organized a Seminar on "MACHING LEARING FOR DATA MINING" on 22.12.2018.
- Dr .P. Ganesh Kumar, Department of Information Technology, Regional Campus Anna university,Coimbatore was the Resource Person.

HANDS ON PYTHON TRAINING

- Department of ECE organized three Days Hands On Python Training for second year students on 26.12.2018 to 28.12.2018 and 2.01.2019 to 04.01.2019.
- The resource person was Mr.R.Kabilesh, Training Head Aurora Technovation, Madurai.

New staffs

- Dr.P.Karuppasami Ph.D ,Asso.Prof.
- Dr.R.Vinoth Ph.D,Asso.Prof.
- Ms.M.Rajkumari M.E.Asst.Prof.(SG)
- Mr.R.Senthil Ganesh M.E.Asst.Prof
- Mrs.V.Greeshma M.E.Asst.Prof
- Ms.V.Rohini M.E.Asst.Prof
- Ms.K.Jayapradha M.E.Asst.Prof
- Mrs.D.Supriya M.E.Asst.Prof
- Mrs.S.Banupriya M.E.Asst.Prof
- Ms.T.Vaishubiah M.E.Asst.Prof
- Ms.R.Raja Muthu petchi M.E.Asst.Prof
- Ms.C.Kalaiselvi M.E.Asst.Prof

Try to be a Rainbow in someone's cloud

PLACEMENT

- Shenbagavalli.K- Hinduja global solutions
- Haritha.J- Hinduja global solutions
- Harini.V- Hinduja global solutions
- Iswarya.P- Hinduja global solutions
- Vathchala Devi.N- Hinduja global solutions
- Thiviya.K- Hinduja global solutions
- Rajkannan.B- Hinduja global solutions
- Rathin Sebastin.T- Hinduja global solutions
- Nandha Kumar.S- Hinduja global solutions
- Vigneshkumar. N- Hinduja global solutions

PLACEMENT

- Kasthuri-RIDSYS
- S.Vinoth Raj-SmarDTV
- U.Saraswathy- UNIQ Technologies
- M.Anupriya- Bevywise networks, Hinduja global solutions
- M.Gomathi-Bevywise networks
- B.Manjula devi- Bevywise networks
- A.Muruga lakshmi- Bevywise networks
- S.Rajalakshmi-Hinduja global solutions
- Sarathabavin.M-Hinduja global solutions
- Keerthana .R- Hinduja global solutions
- Subhazini.N- Hinduja global solutions
- Pavithra.P- Hinduja global solutions
- Raja rajeswari.R-Hinduja global solutions
- Priyanka.A- Hinduja global solutions
- Vinitha. P- Hinduja global solutions
- Raji.A- Hinduja global solutions
- Dharshanadevi.S-Hinduja global solutions
- Sharmila rani.P- Hinduja global solutions
- Pommy.S- Hinduja global solutions
- Uma maheswari.S- Hinduja global solutions
- Rashitha Balkees.A- Hinduja global solutions
- Muthu Abiseka.N-Hinduja global solutions
- Chitra devi.S- Hinduja global solutions
- Lalitha.S- Hinduja global solutions
  Keerthana.S- Hinduja global solutions
- Keerthana.G.R- Hinduja global solutions
- Aishwarya.V- Hinduja global solutions

PROGRAMME EDUCATIONAL OBJECTIVES (PEO'S)

- **PEO:1** Lead a professional career by acquiring the basic knowledge in the field of specialization and allied Engineering.
- **PEO:2** Assess the real life problems and deal with them confidently relevance to the society.
- **PEO:3** Engage in lifelong learning by pursuing higher studies and participating in professional organizations.
- **PEO:4** Exhibit interpersonal skills and able to work as a team for success.

PROGRAMME OUTCOMES (POs)

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

- **PO:9 Individual and Team Work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- **PO:10 Communication:**Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- **PO:11 Project Management and Finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- **PO:12 Life-long Learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAMME SPECIFIC OUTCOMES (PSOs)

- **PSO:1** Design, simulate and analyse diverse problems in the field of telecommunication.
- **PSO:2** Able to design and analyse varied electronic circuits for applications.
- **PSO:3** Apply signal and image processing techniques to analyse a system for applications.
- **PSO:4** Construct, test and evaluate an embedded system and control systems with real time constraints.