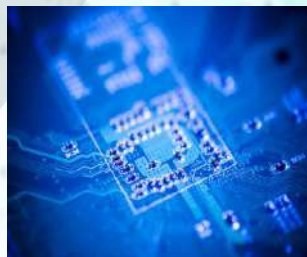## HALF-YEARLY NEWSLETTER

### DEPARTMENT
### OF
### ELECTRONICS & COMMUNICATION ENGINEERING

# ACE
# Engineering College

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II-B

ECE DEPARTMENT

## VISION

To be a center of excellence of international standards in the areas of edu- cation, research and services and to develop the students with engineering professional attitude, to face global challenge and to promote creative environment for developing young entrepreneurs with ethical values and social concern and preparing them to succeed in competitive examinations.

## MISSION

Imparting quality technical coducation to building engineers by providing the state- of-art laboratories and quality instruction by highly qualified and experienced faculty in Electronics and Communication Engineer- ing programme, with global standards and preparing them for compet- itive examination in higher education and employment, with intellectual professional attitude, research aptitude, critical reasoning analytical and technical skills, technical consultancy and ability to apply knowledge, life- long learning entrepreneurial practices, ethical values and social concern.

# OBJECTIVES

## PROGRAMME OUTCOMES (POs)

**PO1:** An ability to apply knowledge of mathematics, science, and engineering, knowledge of Fundamentals/Principles.

**PO2:** An ability to identify, formulate, and solve engineering problems.

**PO3:** An ability to design a system, component, or process to meet desired needs in Electronics and Communication Engineering within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability and sustainability, Design and Modeling.

**PO4:** An ability to design and conduct experiments, as well as to analyze and interpret data, Experimentation & Interpret/Engineering Analysis.

**PO5:** An ability to use the techniques, skills and modern Electronics and Communication Engineering tools necessary for system design with embedded engineering practice.

**PO6:** 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.

**PO7:** The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.

**PO8:** An understanding of professional and ethical responsibility.

**PO9:** An ability to function on multidisciplinary teams.

**PO10:** An ability to communicate effectively.

**PO11:** 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.

**PO12:** A recognition of the need for, and an ability to engage in life-long learning.

## PROGRAM EDUCATIONAL OBJECTIVES (PEOs):

**PEO1:** To prepare the students for successful careers in Electronics and Communication Engineering and to cater to the needs of stakeholders by providing training to excel in competitive examinations for higher education and employment.

**PEO2:** To provide students a broad-based curriculum with a solid foundation in Electronics and Communication Engineering along with Applied Mathematics & Sciences to impart high-quality technical skills for designing, modeling, analyzing, and capability for critical problem solving with global competence.

**PEO3:** To inculcate professional, social, ethical, effective communication skills and entrepreneurial practice among the students for their holistic growth.

**PEO4:** To provide Electronics and Communication Engineering students with the academic environment, and membership opportunities associated with student-related professional bodies for a multidisciplinary approach and life-long learning.

**PEO5:** To prepare Electronics and Communication Engineering students to develop research aptitude to carry out research activities in the cutting edge technologies to solve real-time problems and to provide technical consultancy services.

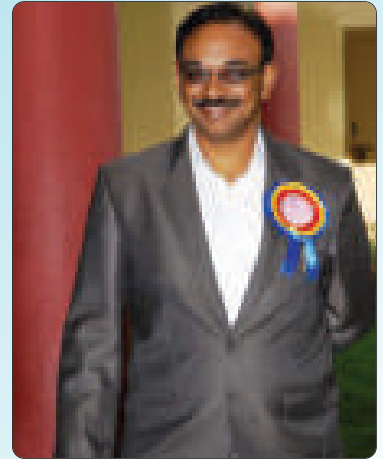## PROGRAMME SPECIFIC OUTCOMES (PSOs)

**PSO1:** To prepare the students to succeed in competitive examinations for higher education and employment.

**PSO2:** To prepare the students ready for industry usage by providing required training in cutting edge technologies.

**PSO3:** Demonstrate proficiency in use of software and hardware required in real¬ life applications

## PRINCIPAL'S MESSAGE

Nurturing creativity and inspiring innovation are key elements of a successful education. When we provide the necessary ambience it harnesses the creative energies of the academic community, and distils the essence of their inspired imagination in the most brilliant way possible. We at ACE are blessed to have a management which grants us with everything that is required for achieving success. The onus lies on all of us. Both the faculty and students are supposed to equally contribute. Persistent efforts are being made by our placement team to place our students in encouraging and respectable positions in the industry. The aim of the college's Placement Cell is to provide placement to all students. For this, the Cell works in conjunction with several departments, as a part of Butterfly program CSE department conducts Programming classes, English department conducts Soft Skills classes and Aptitude classes are being given to all by professionals. We firmly believe that support, guidance and assistance given to the students at pre-placement stage is immensely helpful to them in getting a job.

I take this opportunity to congratulate the editorial board for bringing out this newsletter as per schedule.

## VICE PRINCIPAL'S MESSAGE

In this era of cut throat competition, it is of paramount importance to be equipped with appropriate knowledge, habits, attitudes and values leading to holistic development. We give the students an ideal learning environment through interactive class-room teaching, tutorials, lab practicals and lectures by industry experts for the industrial exposure of students. Co-curricular and extra-curricular activities organised by various clubs and societies facilitate the process of creative and critical thinking. They not only inculcate social and moral values, compassion for nature, awareness for one's rights and duties but also make students good human beings and confident leaders. To be successful in life, have ambitions and define your goals clearly.
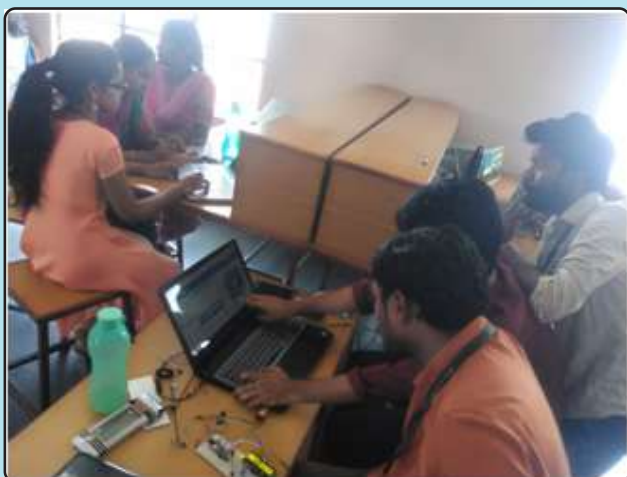
*The highest education is that which does not merely give us information but makes our life in harmony with all existence.*

*- Rabindranath Tagore*

## Workshops Conducted:

★ A Two day workshop on 'Embedded System Development with STM32' was conducted on 22 & 23 February 2019.





★ Students of ECE participated in the '36 HOURS HACK FEST 2K19' conducted by ACE Engineering College in Association with J-Hub on 18th & 19th January, 2019.





### Workshops Attended:

★ Prof.B.Giri Raju, attended a One week FDP on 'Real Time Embedded Systems and IoT, its Applications' held at Vasavi Engineering College in association with NIT Warangal.

★ Mr. S.Rajendra Kumar, Associate Professor, attended a Two day FDP on 'VLSI ECAD LAB Curriculum of JNTU -Industrial Approach' held at SNIST during 24th & 25th January, 2019.

★ Mr.M.Mysaiah, Associate Professor, attended a Two day FDP on 'VLSI ECAD LAB Curriculum of JNTU - Industrial Approach' held at SNIST during 24th & 25th January, 2019.

*"Great minds discuss ideas; average minds discuss events; small minds discuss people."*

*- Eleanor Roosevelt*

★ Mr.Kiran Kumar, Associate Professor, attended a Two day FDP on 'VLSI ECAD LAB Curriculum of JNTU - Industrial Approach' held at SNIST during 24th & 25th January, 2019.

★ Dr.Y.Chakrapani, Professor, attended a One day Workshop on 'MATLAB EXPO 2019' held at HICC on 30th April 2019.

★ Dr.Ch.Sreenivasa Rao, Professor, attended a One day Workshop on 'MATLAB EXPO 2019' held at HICC on 30th April 2019.

★ Prof.M.Ravi Kumar attended a One day Workshop on 'MATLAB EXPO 2019' held at HICC on 30th April 2019.

★ Prof.B.Giri Raju attended a One day Workshop on 'MATLAB EXPO 2019' held at HICC on 30th April 2019.

★ Mr. Y.V.S. Durga Prasad, Associate Professor, attended a One day Workshop on 'MATLAB EXPO 2019' held at HICC on 30th April 2019.

★ Mr.R.Sreenivasa Rao, Associate Professor, attended a One day Workshop on 'MATLAB EXPO 2019' held at HICC on 30th April 2019.

★ Mr.S.Kanna Rao, Associate Professor, attended a One day Workshop on 'MATLAB EXPO 2019' held at HICC on 30th April 2019.

★ Mr.P.Srikanth, Associate Professor, attended a One day Workshop on 'MATLAB EXPO 2019' held at HICC on 30th April 2019.

★ Mr.G.P.V Kishore, Associate Professor, attended a One day Workshop on 'MATLAB EXPO 2019' held at HICC on 30th April 2019.

★ Mr. S. Karunakar Reddy, Associate Professor, attended a One day Workshop on 'MATLAB EXPO 2019' held at HICC on 30th April 2019.

★ Mr. S.Sreekanth, Associate Professor, attended a One day Workshop on 'MATLAB EXPO 2019' held at HICC on 30th April 2019.

★ Mr.S.Rajendra, Associate Professor, attended a One day Workshop on 'MATLAB EXPO 2019' held at HICC on 30th April 2019.

★ Mr. D. V. S. Ramanjaneyulu, Associate Professor, attended a One day Workshop on 'MATLAB EXPO 2019' held at HICC on 30th April 2019.

★ Mr.Kiran Kumar, Associate Professor, attended a One day Workshop on 'MATLAB EXPO 2019' held at HICC on 30th April 2019.



★ Dr.V.S.S.N Srinivas Baba, Dr.Y.Chakrapani, Dr.Ch.Sreenivasa Rao attended a One day Workshop on 'Bloom's Taxonomy' Organized by UGC - Human Resource Development Centre held at JNTU Hyderabad on 29th March, 2019.



★ Mr. R.Srinivasa Rao, Associate professor and two students Mr.Harsha and Mr.Yuva Raj attended a One day Workshop on 'Tech Democracy' organized by SWECHA held at Institution of Engineers (INDIA) on 23rd March 2019.

★ A Two day Technical fest (FACEit-2019) of various events was conducted by ECE department on 8th & 9th March, 2019. Various events like Circuit Debugging, Technical Quiz, Poster Presentation, Projects Expo and Paper Presentation were conducted.

## Papers Published:

★ Mr. A.Rajesh, Associate Professor published a paper on 'A High Performance BPSK Trans Receiver Using Level Converter for Communication Systems' SPRINGER International Conference, CNC 2018, Gwalior, India.

## Faculty achievements:

★ Mr. S.Rajendra Kumar qualified in National Eligibility Test (NET - 2019) with 92.33 percentile.

The faculty of ECE successfully completed online NPTEL course along with Certification. The list of faculty who completed the courses:

1. Mr. Y.V.S.Durga Prasad was awarded a 12 week course of NPTEL Online certification on 'Principles of Communication Systems'.

2. Mr. S. Sreekanth was awarded a 12 week course of NPTEL Online certification (Topper with 90%) on 'Principles of Signals and Systems'.

3. Mr. S. Karunakar Reddy was awarded a 12 week course of NPTEL Online certification on 'Control Systems'.

4. Mr. S. Karunakar Reddy was awarded a 12 week course of NPTEL Online certification on 'Programming, Data Structures and Algorithms using Python'.

5. Mr. S. Karunakar Reddy was awarded a 12 week course of NPTEL Online certification on 'Joy of computer using Python'.

6. Mr. P. Ravi Babu was awarded a 12 week course of NPTEL Online certification on 'Microprocessors and Microcontrollers'.

7. Mr. S.Rajendra Kumar was awarded a 12 week course of NPTEL Online certification and Faculty development program on 'Computer Organization and architecture: a pedagogical aspect'.

8. Mr. A. Rajesh was awarded a 12 week course of NPTEL Online certification on 'Digital Electronics Circuits'.

9. Mr. G.V.P.Kishore was awarded a 12 week course of NPTEL Online certification on 'Antennas'.

10. Mr. D.V.S Ramanjaneyulu was awarded a 12 week course of NPTEL Online certification on Computer 'Organization and architecture: a pedagogical aspect'.

11. Mr. P. Srikanth was awarded a 12 week course of NPTEL Online certification on 'Principles of Communications'.

## Students' achievements:

★ J.Sri Priya, attended a 6-Week Intensive Workshop (EXCITE) on 'Innovation to inspire I year B.Tech students in J-Labs', featuring talks on technology trends, innovation eco system and Innovation Challenges.

★ S.Sri Manogna, attended a 6-Week Intensive Workshop (EXCITE) on 'Innovation to inspire I year B.Tech students in J-Labs', featuring talks on technology trends, innovation eco system and Innovation Challenges.

★ A.Aadhira, V.Akanksh, Ajay Reddy, B.Supriya, P.S.V.Ramana and B.Priyanka attended a Two-week J-HUB, BOOT CAMP (ENLITE-2019) on innovation / entrepreneurship organized for B. Tech II year students covering ideation, product thinking and elements of venture establishment .

★ A Three-Day IGNITE-2019 Program on Innovation conducted by J-HUB CELL - from 10th June to 12th June 2019, held at JNTUH Campus was attended by B.Sanjay Kumar, A.Chandramouli, K.Sai Deekshith, M.Sri Harshavardhan, I.Naveen, S.Sri Pavan, S.Uday, J.Sai Prasad, Shashank Kumar Tiwari and B.Saketh.

## Industrial visits

I-ECE Students went on Industrial tour to Kwality Photonics, Hyderabad, Telangana on 19$^{th}$ January 2019. 180 students and Y.Smruthi, and G.Gowthami Assistant professors of ECE Department participated in the tour.

## Parents Meeting

Department of ECE conducted parents meeting on 9$^{th}$ March 2019. Many parents attended this meeting and discussed about their ward's progress in various aspects. Head of the Department, Class teachers and subject teachers interacted with the parents to give information about the student.