



**JULY - DECEMBER 2019**

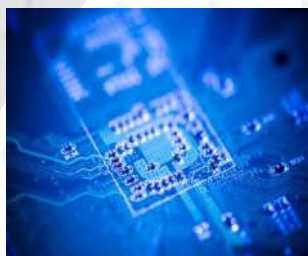
**Volume 10 Issue 2**

**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 education, 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 education to building engineers by providing the state-of-art laboratories and quality instruction by highly qualified and experienced faculty in Electronics and Communication Engineering programme, with global standards and preparing them for competitive 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 distills 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.



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*The highest education is that which does not merely give us information but makes our life in harmony with all existence.*

*- Rabindranath Tagore*

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## Workshops Conducted

A one Week Faculty Development Programme on 'Advance Research in Academia Using LabVIEW' was held at Department of ECE of ACE Engineering College in Association with Techfluent Solutions Pvt. Ltd, Hyderabad. From 16th December to 21st December, 2019.

The FDP aims to provide opportunities faculty members, research scholars to enrich their teaching skills and research in the field of Graphical system design, Virtual instrumentation for Test & Measurement, Acquire-Analyze-Automate using NI LabVIEW, Real time & FPGA based integration, Advanced signal processing and image processing using NI LabVIEW. The Programme also intends to develop the knowledge of participants for simulation with advanced software in the relevant field for inculcating learning values in students and guiding and monitoring their progress. The FDP was attended by 50 participants from faculty members of ECE, EEE and CSE from other colleges and ACE Engineering College.



A Two Day Workshop on High Frequency Structure Simulator (HFSS) , held at Department of ECE of ACE Engineering College in Association with ANSYS Software Private Limited, Bangalore on 23.10.2019 & 24.10.2019.

**Guest Lectures**

Mr. S.Rajendra Kumar delivered a guest lecture on the " DIGITAL SYSTEM DESIGN" on 8th and 9th Nov-2019 at Samskuthi college of Engg.& Technology.

**Workshops Attended:**

Dr.V.S.S.N Srinivas Baba and Ms.M.Usha Rani attended a One day Workshop on 'Electronics and Photonic Packaging' held at AMS Semiconductors Hyderabad on 20.07.2019.

Ms.M.Usha Rani, Assistant Professor, attended a One week Workshop on 'Faculty Development Programme (fdp) on "Trends in SoC design & its applications"' held at Vasavi College of Engineering 9th to 14th December 2019.

Mr. Y.V.S. Durga Prasad, Associate Professor, attended a Three day workshop on 'WSN and IoT, at CVR Engineering College from 12.12.2019 to 14.12.2019.

Mr. Y.V.S. Durga Prasad, Associate Professor, attended a One day FDP on 'Integrating Corporate challenges in to Curriculum' at Alliance Francaise, Hyderabad on 13.11.2019

### Events Attended

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Mr. Y.V.S. Durga Prasad, Associate Professor, attended a One day FDP on 'Awareness Session on Internships, opportunities & Approaches By CAREER LAUNCHER' organized by ACE Engineering College on 08.11.2019

Mr. Y.V.S. Durga Prasad, Associate Professor, attended a One Week FDP on 'CSA Hyderabad Summit 2019, at Lemon Tree Premier, Hitech City on 14.09.2019.

Mr. Y.V.S. Durga Prasad, Associate Professor, attended a One Week FDP on 'Demistifying Networks' at Department of ECE, IIT-Madras from July-Aug 2019.

Mr. Y.V.S. Durga Prasad, Associate Professor, attended a One Week FDP on 'Advance Research in Academia using LabView' at Department of ECE, ACE Engineering College from 16.12.2019 to 21.12.2019.



### Papers Published

Dr.V.S.S.N Srinivas Baba published a paper on 'Hexagonal fractal antenna for 5G applications', Institute For Engineering Research and Publication, August 2019.

Mr. M. Mysaiah, Assistant Professor, published a paper on 'Implementation Of 2's Complement Of 4-Bit Binary Numbers Using Majority Logic', ISSN NO: 0377-9254, Journal of engineering services, September 2019.

### Faculty Certification in MOOCS / NPTEL

Mr. A.Rajesh was awarded a 12 week course of NPTEL Online certification on 'Hardware Modelling using Verilog'.

Mr. S. Sreekanth was awarded a 12 week course of NPTEL Online certification on '1. Digital image processing' and '2. Digital signal processing'.

Mr. S. Karunakar Reddy was awarded a 12 week course of NPTEL Online certification on 'Digital Circuits'.

Mr. S. Karunakar Reddy was awarded a 12 week course of NPTEL Online certification on 'Introduction to C Programming'.

Mr. P. Ravi Babu was awarded a 12 week course of NPTEL Online certification on 'Python for Data Science'.

Mr. S.Rajendra Kumar was awarded a 12 week course of NPTEL Online certification and Faculty development programs on '1.Digital Circuits and 2. Switching circuits & Logic Design'.

Mr. G.V.P.Kishore was awarded a 12 week course of NPTEL Online certification on 'Microwave Theory & Techniques'.

Mr. D.V.S Ramanjaneyulu was awarded a 12 week course of NPTEL Online certification on 'switching circuits and logic design'.



### Parents Meet & Greet

Department of ECE conducted parents meeting on 21st September 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.



### Students Updates Events Attended

M. Devika Sree attended a national level C-programming contest (Formula-C) rACEit-2019 at ACE Engineering college from 30th -31st AUGUST 2019.

D. Vaishnavi attended a national level workshop on Solar Energy with Smart Control (SESC-2019) at ACE Engineering college from 19-09-19 to 21-09-19.

## Students Achievements

C.MOUNIKA (16AG1A0469 IVth YEAR ECE) got selected for the JNTUH university women's KABADDI TEAM and will be representing the university at South Zone Inter-University KABADDI TEAM tournament for women to be held at Vel Tech University, CHENNAI 3rd to 25th October, 2019.

**జాతీయస్థాయి కబడ్డీ పోటీలకు ఎంపిక**

పిల్లలు, స్కూలునుండి : మన పత్రికలు చెందిన ఇద్దరు విద్యార్థులు సీనియర్ జాతీయ స్థాయి కబడ్డీ పోటీలకు ఎంపిక అయ్యారని ఈర్వా కబడ్డీ అసోసియేషన్ సహాయ కార్యదర్శి కురుమయ్య తెలిపారు. వారి విభాగంలో సరేష్, జాతీయ విభాగంలో మౌనిక ఎంపికయ్యారని చెప్పారు. ఏప్రిల్ 17 నుంచి 20 వరకు బెంగళూరు కొత్తగూడెం ఈర్వా ఇన్స్టిట్యూట్ ఆఫ్ సైన్స్ రాష్ట్రస్థాయి కబడ్డీ పోటీల్లో వీరు సత్తా చాటి జాతీయ స్థాయి పోటీలకు ఎంపికయ్యారని వివరించారు. మార్చి 2 నుంచి 6వ తేదీ వరకు రాజస్థాన్ రాష్ట్రంలోని జైపూర్లో జరుగు జాతీయ స్థాయి కబడ్డీ పోటీల్లో వీరు పాల్గొంటారని చెప్పారు. జాతీయ స్థాయికి ఎంపికైన వీరిని ఉమ్మడి కబడ్డీ అసోసియేషన్ అధ్యక్షుడు శాంతకుమార్, కార్యదర్శి శ్రీరాములు, జిల్లా సంఘం నాయకులు వీరిని అభినందించారని కురుమయ్య తెలిపారు.





M.TEJA SAI 18AG1A0455 ECE-II RSFI (Roller-Skating Federation of India) NATIONAL LEVEL, the 57th National Roller skating championship -2019



**SKATING:**

1. RINK-1(500MTS)-Participation (Quarter Finals),
2. RINK-2(1000MTS)- Participation (Semi Finals),
3. ROAD-2(3000MTS)-Participation

Held at Vishakhapatnam, Andhra Pradesh from 18th to 23rd Dec 2019

1st PLACE M.TEJA SAI 18AG1A0455 ECE-I RSAT (Roller-Skating Association of Telangana) State level, the 6th Telangana inter district Roller Skating Championship -2019





