



ACE Engineering College

Department of
Electronics and Communication Engineering



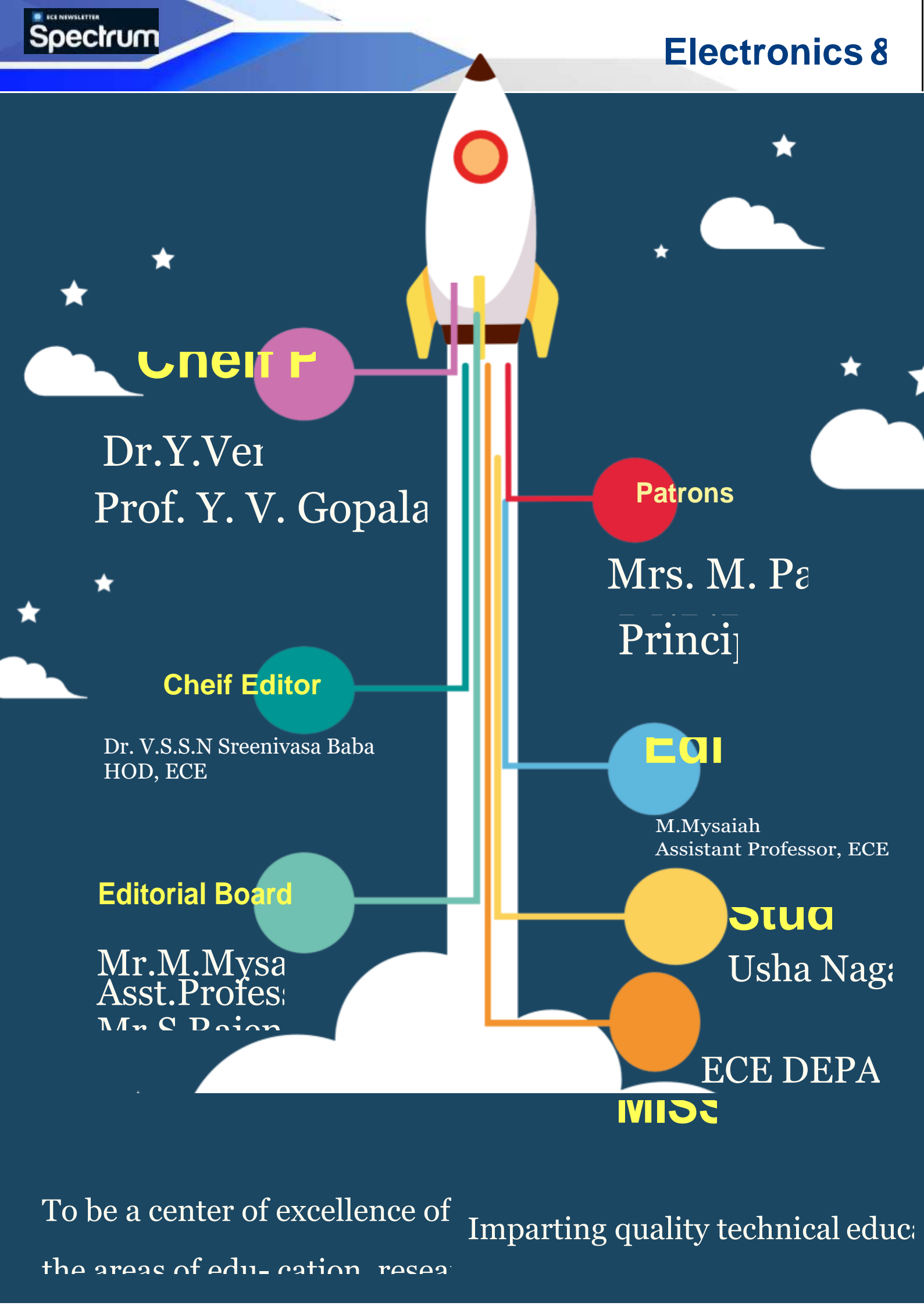
ECE NEWSLETTER

Spectrum



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To be a center of excellence of the areas of education, research and development
Imparting quality technical education

UBJEC

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):

PROGRAMME SPECIFIC OUTCOMES (PSOs)

- PSO1: To prepare the students to succeed in competitive &
- PSO2: To prepare the students ready for industry usage by



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 One day workshop on 'Cyber security and opportunities' was conducted on 17th March, 2018, by the Department.



Workshops Attended:

- ✚ Mr. Y.V.S Durga Prasad, Associate Professor attended a One week FDP on Routing and switching concepts in Data communication and Networking held at SNIST from 11th June to 15th June 2018.
- ✚ Prof.M.Ravi kumar, attended a One week FDP on Routing and switching concepts in Data communication and Networking held at SNIST from 11th June to 15th June 2018.
- ✚ Mr. D.V.S Ramanjaneyulu attended a One week FDP on Routing and switching concepts in Data communication and Networking held at SNIST from 11th June to 15th June 2018.
- ✚ Mr. S. Karunakar Reddy attended a One week FDP on Routing and switching concepts in Data communication and Networking held at SNIST from 11th June to 15th June 2018.

Papers Published:


- ✚ Dr.V.S.S.N Srinivas Baba published a paper on 'Analysis of SAR in human blood, bones and Muscles due to mobile waves at 900 MHz, 1800 MHz and 2400MHz' ISSN 0973-4562 Volume 13, Number 5 (2018) pp. 2125-2129, 2018.
- ✚ Mr. Y.V.S. Durga Prasad published a paper on 'Simulation of Direct Sequence Spread Spectrum for Wireless Communication Systems using Simulink', ISSN No: 2456 - 6470, June 2018
- ✚ Ms. M. Usha Rani published a paper on 'Analysis of SAR in human blood, bones and Muscles due to

mobile waves at 900MHz, 1800MHz and 2400MHz, ISSN 0973-4562 Volume 13, Number 5 (2018) pp. 2125-2129, 2018.

- ✚ Mr. B. Srinivas Rao published a paper on 'Enhancement of Inductance and Q- factor of RF IC Inductor using magnetic material', IJRAT, Vol.6, No.6, E-ISSN : 2321-9637, June 2018.
- ✚ Mr. D. V. S. Ramanjaneyulu published a paper on 'Enhancement of Inductance and Q- factor of RF IC Inductor using magnetic material', IJRAT, Vol.6, No.6, June 2018 E-ISSN : 2321-9637, June, 2018.
- ✚ Mr. K.Venkateshwarlu published a paper on 'Simulation of Direct Sequence Spread Spectrum for Wireless Communication Systems using Simulink', ISSN No: 2456 - 6470, May-June 2018
- ✚ Mr.S.Rajendra Kumar published a paper on 'Enhancement of Inductance and Q- factor of RF IC Inductor using magnetic material', IJRAT, Vol.6, No.6, E-ISSN : 2321-9637, June 2018.
- ✚ Dr. P. Satish Kumar published a paper on 'Implementation of 16 bit SAR ADC in CMOS and sub threshold CML techniques', IJET 7(2.12) 253-256, May 2018.
- ✚ Dr. P. Satish Kumar published a paper on 'Implementation of data path components of ARM7 microprocessor using sub threshold current mode logic with sleep transistor technique', IJET 7(2.12) 257-260, May 2018.
- ✚ Mr. Y.V.S. Durga Prasad published a paper on 'Improving performance of wireless sensor networks using priority based load balanced clustering dual data uploading', IJRECE VOL. 6, March 2018.
- ✚ Mr. S. Karunakar Reddy published a paper on 'Improving performance of wireless sensor networks using priority based load balanced clustering dual data uploading', IJRECE VOL. 6 ISSUE 1, ISSN: 2393-9028, JAN.-MAR 2018.
- ✚ Dr. P. Satish Kumar published a paper on 'Design of 32 Bit Data path Unit of ARM7 Microprocessor using Sub threshold Current Mode Logic', Helix Vol. 8(2): 3112-3118, Feb 2018.
- ✚ Dr. P. Satish Kumar published a paper on 'Voltage Controlled Oscillator Based Analog to Digital Converter using Current Mode Logic Approach', Helix Vol. 8(2): 3164-3169, Feb 2018.

- ✚ Dr.P.Sumithabhashini published a paper on 'Perception of Complexity and interference of user transmitting signal being resolved by using Ootbc in MIMO' in a national conference on trends in Science, Engineering & Technology, NTSET-2018, Feb 2018.
- ✚ Dr.P.Sumithabhashini published a paper on 'The Performance and Power Efficiency of Complementary Codes Aided MIMO MCCDMA Transmission for Broadband Vehicular Networks', in an International Conference on Electrical, Electronic, Computers, Communications, Mechanical & Computing, ICEECCMC-2018, Jan 2018.
- ✚ Mr. Y.V.S. Durga Prasad published a paper on 'Performance Approach of AODV, DSR and DSDV protocols IEEE 8021.15.4 for vehicular networks Using NS2', Vol.6, No.1, January 2018.
- ✚ Mr. M. Mysaiah published a paper on 'Performance Approach of AODV, DSR and DSDV protocols IEEE 8021.15.4 for vehicular networks Using NS2', E-ISSN: 2321-9637, Jan 2018.
- ✚ Mr. D. V. S. Ramanjaneyulu published a paper on 'Performance Approach of AODV, DSR and DSDV protocols IEEE 8021.15.4 for vehicular networks Using NS2', Vol.6, No.1, E-ISSN: 2321-9637, Jan 2018.

Students' achievements:

- ✚ A 3 day intensive workshop (IGNITE) on 'Innovation to inspire I year B.Tech students in J-Labs', featuring talks on technology trends, innovation eco system and Innovation Challenges was conducted from 21st to 23rd June 2018. The following Students participated in the IGNITE program:
 1. Ch.Nikhil -ECE-I-year
 2. D.Gaurav- ECE-I-year
 3. V.Dheeraj-- ECE-I-year.

- ✚ A Two week BOOT CAMP on innovation / entrepreneurship organized for B. Tech II year students covering ideation, product thinking and elements of venture establishment was attended by the following students from 28th May to 8th June:

P.Ramesh Reddy	D.Sai Charan
Ramesh Yadav	C.Anish Reddy
N.Varun	J.Sai Shankar
K.Mallesh	M.Devika



- ✚ EXCITE a 6-week product engineering workshop where the ideas of the students are mentored by industry experts to convert in to prototypes was attended by M.Shravya -ECE-III-year & MD. Vijaya Sharon - ECE-III-year from 17th May to 30th June.
- ✚ K. Mallesh, P.Ramesh, N.Varun, Ramesh Yadav & III-Year -ECE participated in the final round of ROBO FEAST-2018 National level workshop cum championship at IIT ROORKEE from 23rd - 25th, March 2018.
- ✚ V.Lavanya, G.Sai Usha, I.Pranav Deep, M.Laxmi Likhitha, MVS. Sri Harsha of III-Year -ECE participated in Drone Tech Competition at IIT (BHU) Varanasi from 16th to 18th Feb, 2018.
- ✚ G.Sai Usha, V.Lavanya, I.Pranav Deep, M.Laxmi Likhitha of III-Year -ECE participated in KSHITIJ- (The Techno-Management Fest) at IIT Kharagpur Campus and secured Best Embedded Design Position in the Event STAX in ROBOTIX from conducted from 19th to 21st Jan, 2018.

Industrial visits:

- ✚ B.Tech -III-ECE Students went on Industrial tour to Infosys Campus, Pocharam, Hyderabad, Telangana on 24th January 2018. 100 students and Y.Smruthi, M.Mysaiah and DVS Ramanjaneyulu Assistant professors of ECE Department participated in the tour.
- ✚ B.Tech -IV-ECE Students went on Industrial tour to

Vishwani institute of systems & management - shamirpet- Hakimpet, Hyderabad, Telangana on 24th January 2018.

Placement Cell

Placement cell is praiseworthy in bringing many companies to the campus. The cell organized many seminars and workshops for students of all years periodically to make them stay focused in reaching their goals. Many activities are periodically taken up under TASK to make the students industry ready. The Management, Principal, Placement Director and Staff congratulate all the students who got placed.

The Department of Atomic Energy (DAE), Govt of India has set up training programs for Graduate Engineers and Post Graduate Scientists to take up Challenging Scientific Assignments with various units of DAE. In this regard, the HR Team visited our campus and highlighted the on-going programs and career opportunities and future prospects in the Department of Atomic Energy to our B.Tech Final year students on 31st January 2018. The students were enthused to listen to the speaker Mr.E.Venkatesham who elaborated on the promising career path which they can tread by getting employed at DAE as group A officers; at the same time the satisfaction of serving the country.



Do not say, 'It is morning,' and dismiss it with a name of yesterday. See it for the first time as a newborn child that has no name.

- Rabindranath Tagore

