ALVAS COLLEGE OF ENGINEERING AND TECHNOLOGY
SHOBHAVANA, MIJAR . MOODBIDRE

E - N E W S L E T T E R

D E P A R T M E N T   O F   E L E C T R O N I C S   A N D   C O M M U N I C A T I O N   E N G I N E E R I N G

VISION OF THE INSTITUTE

Transformative education by pursuing excellence in engineering through enhancing skills to meet the evolving

MISSION OF THE INSTITUTE

1. To bestow quality technical education to imbibe knowledge, creativity and ethos to students community.
2. To include the best engineering practices through transformative education.
3. To develop a knowledgeable individual for a dynamic industrial scenario.
4. To include research, entrepreneurial skills and human values in order to cater the needs of the society.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

DR.D V MANJUNATH
HOD, Dept. of ECE

Electronics and Communication, one of the widely renowned branches in the field of Engineering, have proved time and again, that they play a pivotal role in both the developing and well-being of our society in the fast paced human life. E&C branch is concerned with the design, development, manufacture and application of electronic devices, circuits and systems. The department has well-qualified and experienced faculty Out of which three are Doctorates, seven are pursuing Ph.D and remaining are Post-Graduates. Faculty members have published technical papers in international and national journals and conferences.

I am glad to release the department magazine for the Odd semester August 2018 to ecember 2018.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

EDITORIAL BOARD
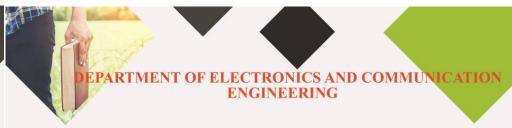
CHAIRMAN

DR.D V MANJUNATH
HOD, Dept. of ECE

VISION

Centre of Excellence to Empower the Young Minds in the field of Electronics and Communication Engineering with Research Focus and Skill Development through Transformative Education catering to the needs of the Society.

MISSION

M1: To create a unique Learning Environment to enable the Students for Excellence in the field of Electronics and Communication Engineering.

M2: To Empower the Students with necessary Skills for Solving the Complex Technological Problems of Social needs.

M3: To Inculcate Research Culture among Teaching-Learning Group by Guiding them towards R&D Activities to bridge the gap between Industry and Academia.

M4: By Imbibing the Students with Human Values and Ethics through Transformative Education and make

PROGRAMME OUTCOME

Our graduates will be able to

1. Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

2. Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

3. 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.

4. 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.

5. 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.

6. 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.

7. Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

8. Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

EDITOR IN CHIEF

Mrs.Kumari Shruthi

CO-EDITOR

Mr.Jayaprakash M

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

PROGRAMME OUTCOME

10. 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.

11. 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.

12. 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 OUTCOME (PSO's)

PSO 1: Understand and apply the principles of Science and Engineering in the field of Electronics and Communication.

PSO 2: Ability to design and implement systems using the concepts of Analog & Digital Electronics, Communication & Networking, Signal Processing, Embedded Systems & Semiconductor technology to solve complex problems.

PSO 3: Develop proficiency to use modern Hardware & Software tools in the area of Electronics and Communication Engineering.

PROGRAMME EDUCATION OBJECTIVE (PEO's)

PEO1: To Prepare Graduates with solid foundation in Mathematical, Scientific and Engineering fundamental s required to develop problem solving ability.

PEO2: To provide adequate exposure to emerging technologies among the Graduates to pursue Higher Studies and Research.

PEO3: Equip Engineering Graduates with Technical and Professional Skills to groom them to be Competent and Employable.

PEO4: To inculcate professional and ethical attributes among graduates who will contribute to society as responsible professionals or successful entrepreneurs and become worthy global citizens.

RECENT HIGHLIGHTS @ ECE

Faculty Development Program(FDP)

5 days program have ben conducted on "Theoretical and programming skills of Electronics and Communicaions. Tt was delivered by Prof. Pradeep Kumar, Associate professor, SEA College of Engineering, Bangalore on 30th July to 7th August

Certification Courses

The 3 days workshop on Advanced C training program held on September 17 to 21,2018 and i /t was delivered by Prof, Vishal Vanaki, Innovation Private limited, Bangalore

The 5 days workshop on Python program held on October 5 to 9 ,2018 and i /t was delivered by Dr. Mohideen Badhusha, professor, Dept. of ISE, AIET,Moodbidre

RECENT HIGHLIGHTS @ ECE

Industrial Visits

Visited Indian Institute of science, bangalore, The Institute actively pursues a policy of true academic freedom in order to enable academic excellence in all areas of its activities. The Institute faculty continues to be very active in research and maintains a high annual publication output, which covers a wide spectrum of scientific investigations.

Visited Bharat Electronics Limited and learnt about PCB DESIGN AND DEVELOPMENT. The exclusive laboratory for PCB design explains all the process of chip design

Visited All India Radio Bangalore as a Indutrial Visit and understand the complete process of All India Radio Station

RECENT HIGHLIGHTS @ ECE
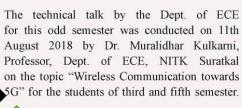
Student Development Program(SDP)

5 days program have ben conducted on "Technical aspects in electronics and communication engineering.It was delivered by Prof. T G Manjunath, HOD Dept. of EEE,, SVIT, Bangalore, on 2th July to 7th August

Technical Talks

The hnical talk conducted on 11thSeptember 2018 wasdelivered by Dr. Krishnamoorthy K,Asst. Prof., Dept. of ECE, NITKSuratkal on the topic "Applied Electromagnetism and Modern Antenna Design".

The technical talk by the Dept. of ECE for this odd semester was conducted on 11th August 2018 by Dr. Muralidhar Kulkarni, Professor, Dept. of ECE, NITK Suratkal on the topic "Wireless Communication towards 5G" for the students of third and fifth semester.

RECENT HIGHLIGHTS @ ECE

Technical Talks

The technical talk conducted on 22nd Septem ber 2018 was delivered by Dr. T R Ramamohan, Additional General Manager,(Rtrd), BEL, Bangalore on the topic "Advanced digital Commnication -Techniques and Applications".

Department of ECE, AIET conducted the fourth technical talk of the odd semester on "Recent Trends and Evolution in Mobile Communication" for the students of fifth semester on 6thOctober 2018 by Mr. Prasad Dandra, Associate Director, Samsung Semiconductor India R&D Bangalore.

The technical talk conducted on 3rd November'18 was delivered by Shreyas Bhat, Technologist in the National Nanofabrication Centre at Indian Institute of Science. on the topic "A peep in the world of semiconductor fabricationand Applications".

The technical talk conducted on 4th November'18 was delivered by Nizam SubhaniTechnologist in the National Nanofabrication Centre at Indian Institute of Science. on the topic "Fabrication of Photovolt aic cell-in detail".

RECENT HIGHLIGHTS @ ECE

Faculty Achievements

1. AEIT Faculty Deepak Raj and Shruthi K receiviED the award from Mr Geoff Stead, Director, Digital Cambridge English Assessment, UK.on behalf of ALVA'S EDUCATION FOUNDATION for winning the top 25 preparation centres in South Asia for Cambridge Language Assessments.

2. AIET Faculty Mahendra H N published a research paper titled A Survey on Security Issues in Cloud Computing in International Journal of Engineering & Technology scupes index journal.
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3. AIET Faculty Mr. Parvez Shariff attended All India Vayu Sainil Natinal level camp at Jpdhpur from 24th October to 4th November.

4. Aiet faculty Mrs. Vijetha published a papeer titled "performance analysis of different modulation schemes for wireless body sensor network" in ACSET,2018 on 9th and 10th march 2018 at KLE college of engineering & technology ,Chikkodi.

STUDENT ACHIEVEMENTS

*Miss. Shwetha T M, Shwetha H Presented a paper at TECHNISUM-2018 , National level student technical symposium, SIT, Tumkur on 3rd March 2018 and secured First prize in the event

*Miss. Sneha GN and Miss. Shruthi   Presented a paper at TECHNISUM-2018 National level student technical symposium, SIT, Tumkur on 3rd March 2018 and secured 2nd prize in the event

*Miss.Gouthami and Miss Deepika Karantth Presented a paper at TECHNIE-2018, Jain Institute of Technolgy, Davanagere on 3rd and 24th February 2018 and secured firstt prize in the event

*Sneha G N and Pooja Published a paper titled " Design of Electric sensor using MEMS used for purifying any liquid contents" at IJERMS journal

Placement Report 2018-2019

SL NO	Name of the Student	Company placed
1	Ananya M	IWave Technologies & Robosoft
2	Charan Raj	TVM Signalling
3	Deepika N Karanth	SLK Softwares
4	Dheeraj Shetty	Manipal Groups
5	Gouthami	EY
6	Aishwarya Mangarshi	EY
7	Mayur Shikhare	TCS
8	Pooja M	Mphasis
9	Rahul Itnal	Tessolve and ABC
10	Rakshitha Rao	Mphasis
11	Rashmi Rao	SLK Software

Placement Report 2018-2019

SL NO	Name of the Student	Company Placed
12	Shefali Shetty	EY
13	Shradha	EY
14	Shricharan	IWave and TVM Signalling
15	Shrilaxmi Upadhyaya	Manipal Group
16	Sumanth N S	TVM Signalling and Access6
17	Vasanth Kumar	EY and Amphisoft