

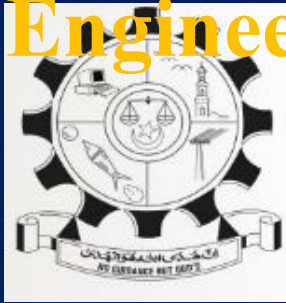
Electronics and Communication

Engineering

Vol 1. Issue 2
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Newsletter



The ECE Newsletter is periodically distributed to keep stakeholders up-to-date with the most current events and activities of the Department of Electronics and Communication Engineering.

VISION

To empower the ELECTRONICS AND COMMUNICATION ENGINEERING students, in creating disseminating technological excellence, professional commitments and social responsibilities

MISSION

M1 Accomplish a technical fitness through innovative Teaching-Learning process and Research & Development.

M2 Nurturing the students to understand the societal needs and shape them with technical expertise as timely performers.

M3 Cultivating live environment for the students to groom professionalism and handle practical challenges with ethical integrity.

Events Organized

Workshops

- Mr.Munavar sheriff AP/ECE,CAHCET & Mr.SajidAkram, Ap/ECE CAHCET conducted Workshop on Advanced Microcontroller for III year ECE students on 10.02.2017 to 11.02.2017
- One day workshop on Robotics was conducted by Mr.M.Zhulbihar Ali, Sr.Engineer-FOD FujiTec India Pvt Ltd,Chennai on 06.09.2016
- Hands on training on PCB Design and Fabrication Techniques was organized by Mr.A.MdMian, Asso.Prof/ECE, CAHCET & Mr.F.Sahul Hameed, Asst .prof/ECE, CAHCET for II Year Students on 9.08.16

Guest Lectures/Invited Talk

- Mr.V.MohammedYousuf Hassan, Al musanna college of technology.Oman delivered a guest lecture on Home Security Systems with hands on training for final year Students
- Guest lecture by Mr.T.M.Thousif Ahmed, Product manager, Serial Microelectronics, Bangalore Applications of Communication & Broadcasting on 03.04.17
- Invited talk “Network Security and threats” by Mr.A.Md.ImranBasha, consultant E3, HCL,Chennai. was organized by the department on 12.07.2016 for final year students

Students projects

- Project Expo for final year students was conducted and 5 batches were chosen top three best projects.
- 26 students from final year projects had presented their papers in national and international level project competitions/conference.

Industrial Visits

- Industrial tour has been arranged for II, III and IV year students and visited BSNL Chennai, NARL, Tirupati, Radio Astronomy Centre (TIFR), Ooty, Doordarshan, VI Microsystems and gained practical industry exposure
- 28 students (including III and final year) have undergone internships training in reputed orgnaization (BHEL, Chennai Port Trust, FORD Chennai)

Facilities Created in Department

Project Lab was established with an aim to enable the students to enhancing do final year projects, implement their novel ideas into applications, take part in various competitions.

SMS based attendance systems was developed and introduce into the department to record students daily attendance and send the message about the students attendance to their parents everyday.

NPTEL E- Resource club was established to enable the students to enhancing their learning experiences and to provide new sets of skills from experts.

Publications

- M.Pradeepa, Dr.K.Helenprabha, Application of ANFIS Algorithm to diagnose the Arrhythmias in fetal electrocardiography, “Journal for medial imaging and Health informatics” Vol 6 2016
- M.Pradeepa, Dr.K.Helenprabha, A Study of Fetal Arrhythmias and Synthetic data Generation “Asian Research Consortium” Vol 6 Dec 2016
- M.Pradeepa, Dr.K.Helenprabha, Extraction of fetal ECG from the composite abdomen signal by ANFIS with different learning algorithm “AENSI” Sep 2016 Pages 207- 213
- M.Pradeepa, Dr.K.Helenprabha, A Noval approach to extract fetal ECG using Multirate and ANFIS algorithm “International Journal for PP&AS” Vol 4,No.2 Dec 2016
- S.Sugumaran, G.Suresh, Design of DWDM system with optimum FWM arameters for FTTH applications “Asian Research Consortium”Vol 6,No 8 Aug 2016
- G.Suresh, P.Epsiba, Content based image retrieval based on curvelet and PCA using HTF “Asian Research Consortium” Vol 6,No 8 Aug 2016
- S.Sugumaran, G.Suresh, QOS based DWDM system with optimum FWM parameters for FTTH applications “IJCTA” 2016,pp 399-406
- G.Suresh, B.V.Senthil Kumar, Functional equations related to spatial filtering in image enhancement “IJCTA” 2016, pp 555-564

Simple & Best Inventions of 2016

The No-Touch Thermometer

Anyone who has ever had a sick child knows what a hassle it can be to take someone’s temperature using the traditional -method—slipping a thermometer under her tongue, getting her to sit still for minutes at a time and hoping that whatever reading you get is accurate. That’s why, in recent years, many brands have started to make no-touch thermometers, which use infrared technology to measure core body temperature quickly and precisely. But one model stands out both for its design and its efficacy: Arc’s Insta-Temp (and its more precise, clinical version, InstaTemp MD), which was recently approved by the FDA. Once the device is placed roughly an inch from a patient’s forehead, it spits out a temperature in 2.5 - seconds—coded red, yellow or green, depending on the reading



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