



ELECTRONICS & TELECOMMUNICATION DEPT.

Mission

“To foster an intellectual and ethical environment to impart knowledge with academic excellence, training, with a global outlook and human value”



Vision

“Innovation through Research”

“To generate and disseminate knowledge and technologies essential to the global needs in the field of electronics and telecommunication and to achieve excellence in learning, innovation, research and the application of knowledge to benefit society globally”

Editorial Board:**Ms. Pooja Rane****Ms. Kanchan Dhuri*****From the HOD's Desk;***

"Education is the ability to listen to almost anything without losing your temper or your self-confidence."

The EXTC dept is always striving to achieve academic excellence which can help our student to become all-rounder and represent themselves globally. We encourage our students for higher studies like MTech and MS. We conduct attitude test, activities that can help them to boost their confidence, Leadership qualities and hidden talents. We also organize technical workshops, Seminars and competition which help them to bridge the gap between academics and industry. We also support our faculties in their overall development by encouraging them to attend and organize various STTP and Workshop that can hone their interpersonal as well as technical skills.

....Prof.Mandeep Kundhal

Program Educational Objectives defined.....

- To pursue a successful career and contribute to the development in their own field recognizing the significance of lifelong learning.
- Apply the knowledge of mathematics and science to identify, formulate and define engineering problems in the field of Electronics and Telecommunication.
- Contribute to the needs of the society in solving technical problems using electronics & communication engineering principles, tools, and practices.
- Exercise excellent leadership qualities and interpersonal skills to addresses issues in a responsive, ethical, and innovative manner, so as to meet the nation's and stakeholders' aspiration.
- Upholding the importance of professionalism and ethical practice within the Electronics and telecommunication profession.

Program Outcomes defined.....

- An ability to engage in life-long learning and an understanding of the need to keep up with current developments in the specific field of practice.
- An ability to apply knowledge of mathematics, science and engineering as appropriate to the field of electronics & communication engineering practice.
- An understanding of the effects of the engineering solutions in a global, economic, environmental and societal context.
- Ability to demonstrate leadership, managerial and entrepreneurship skills.
- Ability to function effectively in teams to accomplish a common goal.
- Acquire the communication skills necessary to interact effectively in multidisciplinary teams.
- Recognition of the need for, and an ability to engage in, continuing professional development.
- Understand the ethical, legal, and professional responsibilities in the field of Electronics and telecommunication and the necessity of contributing positively to society.



Induction of ETSA

(23rd August'13)

"Connecting Students Network"

Induction of ETSA committee was held on 23rd August 2013. The body of ETSA was formed by the department to carry out the various extra-curricular activities for E & TC students.



Body of ETSA:

Staff Advisors:

Prof. Suman Suri

Prof. Priyanka Birajdar

Student Members:

President: Swapnil Ghade

Vice-President: Shashank Shirke

Secretary: Mayuresh Pathak

Joint Secretary: Rohit Gutal

Treasurer: Ashwini Ukarde

Technical Head: Krishnan Thayyil

Joint Technical Head: Rahul Divate

Cultural secretary: Mayur Jain

Joint Cultural secretary: Kalyan Kumar

L.R.: Pravina Mhapuskar



Robotics Workshop ***(30th Aug-1st Sept 2013)***

Robotics Workshop was conducted by students for the students and was organized by ETSA committee under IETE to give students a broad vision about current trends in robotics.



Inter Collegiate Technical Paper Meet ***(4th September 2013)***

This event was organized by Prof. Sheetal Bhujade, Prof. Mandeep Kaur & Prof. Liji Madhavan.

Objective: To encourage and provide a platform to students for any new invention/theories/ideas or modifications/applications in the field of technology.

Judges for the paper meet :

Prof. Ujjwal Harode
Prof. Shilpa Kharche
Prof. Anagha Malkapurkar
Prof. Rajashree Patil

The areas for the technical paper presentation were

➤ *Hardware:*

In this section the winners had presented paper on “Tidal and Wind Energy Conversion Duo-Generating Electricity from Water Splash.”

➤ *Software*

In this section the winner of the section had presented paper on “*Automatic Future Car using GPS*”





Technotantra (5th -6th Sept 2013)

A new event was organized along with ICTPM to exploit the creative side of students and provide them with the platform to present their skills and knowledge.

Objective: To motivate students to develop their technical skills and to bring about a higher level of interaction between the industry and academia.

Staff coordinator: Prof. Sheetal Bukkawar

Events :

- 1) Blind Coding
- 2) Aap Engineer Ho
- 3) Colesium
- 4) Laser Dart
- 5) Robotics
- 6) Poster Making
- 7) Sell your Product
- 8) Robotics Workshop



Ganesh Festival

(9th Sept 2013)

The entire Department came together to celebrate the joyous Ganesh Festival .

Coordinators:

Prof. Suman Suri

Prof. Asha Arun



Parents Teacher Meeting

(5th Oct 2013)

A Parents Teacher meeting was organized in EXTC department on 5th Oct 2013 to bridge the gap between teachers, parents and students.

Coordinators:

Prof. Megha Pande

Prof. Pooja Rane



Industrial Visit

Destination- Goa

Date: 2nd Oct 2013

Class S.E.

Industry visited Doordarshan Kendra.

Coordinator:

Prof. Vijay Kapure

Destination-Chandigarh-Manali-
Amritsar

Date: 30th Dec 2013

Class T.E.

Industry visited:

PEDA, Chandigarh

SNR ,Himachal Pradesh

Coordinator:

Prof. Vijay Kapure



STTP on "Android OS"

Duration: 2th -5th Dec 2013

Speaker: Shalini Mittal

Seed Infotech- Mumbai

The session on Android OS has been arranged for the faculties to learn mobile computing in that development of different android applications.



Expert Lectures

Objective:

To encourage and provide a platform to students for any new inventions/theories/ideas or modifications/applications of any existing theory/idea in the field of Telecommunication and give them a broad idea in the telecom genre.

Two Expert lectures were conducted by Speakers with high professional knowledge.

Topic: **“Wireless Networks”**

Speaker: **Mr. Arjun Aslekar**

(Head, A-SQUARE Training Firm, Pune)

Date: 6th Feb 2014

Subject: WN

Class: B.E.

Coordinators:

Prof. Kanchan Dhuri

Prof. Pooja Rane

Topic: **“Smart Antennas”**

Speaker: **Dr. Ranjanbala Jain**

(HOD-EXTC, M.G.M. COE, Kharghar)

Date: 7th Feb 2014

Subject: AWP

Class: T.E.

Coordinators:

Prof. Vidhya Seeman

Prof. Megha Pande



Robotryst

(13th -14th Feb, 2014)

A technical event was organized in the EXTC department by ETSA in coordination with *Robosapiens, India* under the guidance of Mr. Kushank Joshi (Sr. Research Engineer) to inculcate the basics of robotics in the young engineers. All the other colleges were invited to participate in the event. They were also given a platform to demonstrate their talent with the self built robots and the winners will further be proceeding for the national competition at IIT, Delhi and international competition as well.

Coordinators:

Prof. Umesh Pinjarkar

Prof. Shridhar Sahu

Student Coordinators:

Shashank Shirke

Krishnan Thayyil

Winners:

Bhagyashri Ganpatil

Ankita Chaudhari

Priya Gondhali

Tejaswi Awhad

1st Runner up:

Omkar Phodkar

Gayatri Rane

Shreyas Salvi

Kishor Patil

Umaira Shaikh



Achievements...

➤ *Students Achievement:*

Toppers for the academic year 2012-13

Toppers of ME (SemII)

1. DHURI KANCHAN
2. POOJA RANE

Toppers of TE (Sem VI)

1. CHAVAN NILAM
2. KANNOTH PRIYESH
3. MOHITE TUSHAR

Toppers of BE (Sem VIII)

1. LAD DEVYANI
2. KATKADE SHWETA
3. JADHAV RUPESH

Toppers of SE (Sem VI)

1. SHIRKE SHASHANK
2. KADU JANHAVI
3. GOLE AAKASH

➤ *Placement:-*

We proud and glad to notify that our 31 final year students have been placed in company “Spectrum Planning Services”.

➤ *Staff Activities /Achievements:*

We are proud to notify that our faculties have successfully completed their M.E. and Ph.D. courses.

1. Dr. Manjusha Deshmukh completed Ph.D.
2. Prof. Umesh Pinjarkar completed his M.E.
3. Prof. Suman Suri completed her M.E.
4. Prof. Shridhar Sahu completed his M.Tech.

We also have fifteen other faculties pursuing their M.E. and one faculty pursuing her Ph.D courses.

➤ *Conferences / Papers Published:*

- [1] Pallavi Kharat and Manjusha Deshmukh, “Radiometric Normalization of Satellite Images using Ordinal Conversion,” In Proceedings of International Conference on Green Computing and Technology, (ICGCT 2013), organized by SIES, Nerul, September 5-6, 2013 pages: 89-93 .
- [2] Dr. Manjusha Deshmukh published paper on “Template Matching Using Normalized Cross-Correlation”, **International Journal** of Informatics and Communication Technology,(IJ-ICT), Vol-2,No.-2, July 2013, ISSN 2252-8776. Pages 31-36.
- [3] Vijay Kapure and Sonal Gahankari, “Hybrid system for speech and speaker recognition using ANN and HMM” ICGCT-13, Mumbai.(Impact factor-1.121).
- [4] Jyotsna patil,Sunita jadhav “A comparative study of Image Denoising techniques” (IJIRSET)-13 (Impact factor-1.18).