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"

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.

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.

Three 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)
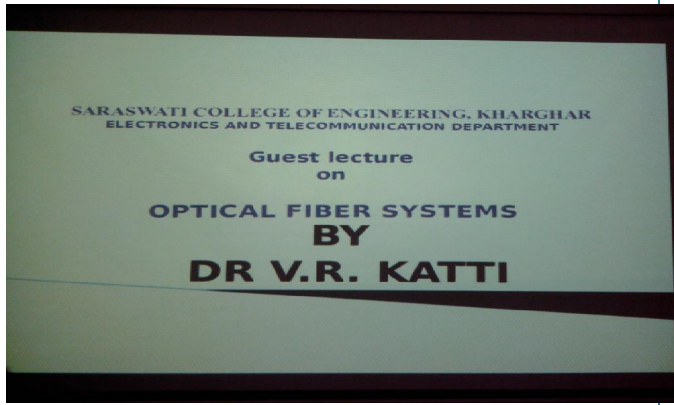
Date: 7th Feb 2014

Subject: AWP

Class: T.E.

Coordinators:

Prof. Vidhya Seeman

Prof. Megha Pande.

Topic: "*Optical Sources*"

Speaker: **Dr. Vithal R. Katti**

(Retd. Sr. Scientist, BARC,Mumbai)

Date: 10th April 2014

Subject: OFC

Class: B.E.

Coordinators:

Prof. Umesh Pinjarkar

Prof. Bhoomi Patil.

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

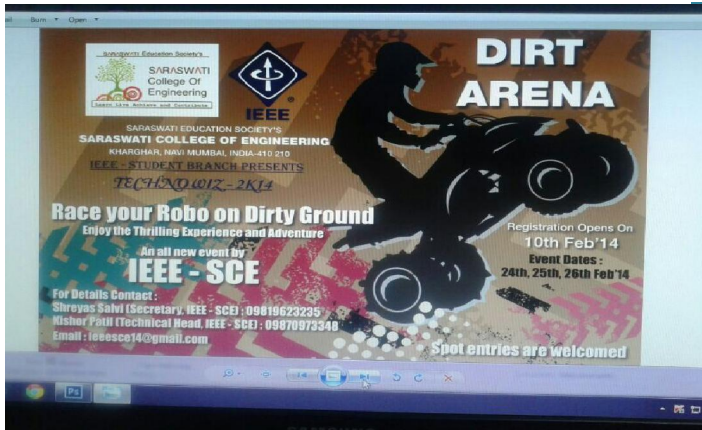Tejaswi Awhad

1st Runner up:

Omkar Phodkar

Gayatri Rane

Shreyas Salvi

Kishor Patil

Umaira Shaikh

Technowiz

(24th, 25th & 26th Feb.2014)

A new event was organized under the sponsorship of IEEE, keeping in mind the techno freak side of the students considering to exploit the robotics knowledge of students.
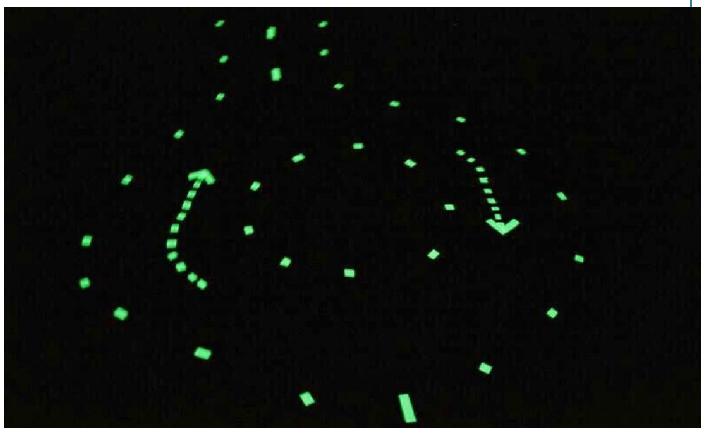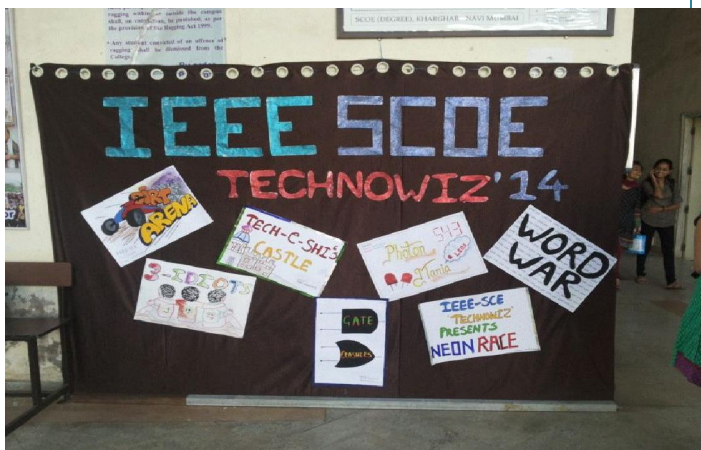
Objective:
To motivate students to develop their technical skills and to bring about a higher level of interaction between the automation and academia.

Staff coordinator:
Prof. Sonal Gahankari

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

Parents Teacher Meeting

(5th March 2014)

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.

Women's Day Celebration

(10th March 2014)

Women's Day was celebrated to by all the girls and faculties to symbolize the women empowerment.

Coordinators:

Prof. Suman Suri

AVISHKAR-2014

(28th March 2014)

This competition was the platform to exhibit student's technical talent through project work. The competition was organized with an aim to enhance the skills, innovative ideas and problem-solving attitude in the mind of students.

Objective:

To prepare students for worlds of uncertainty and accelerating change for emphasizing on developing the students, both in academics and extracurricular activities.
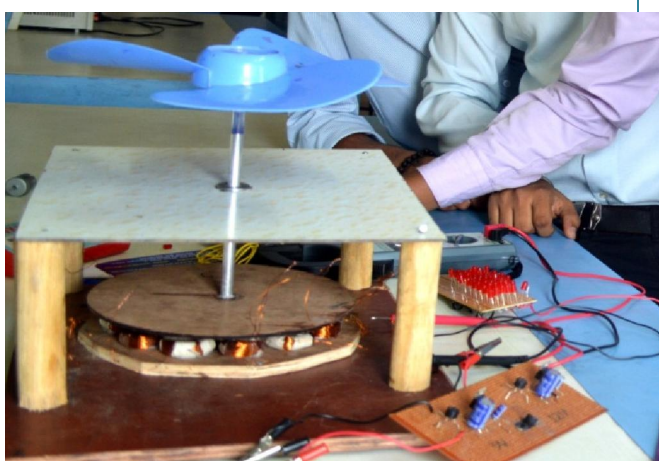
Chief Guest :- **Dr. J. W. Bakal**

Staff Coordinators :-

Prof Suman Suri

Student coordinator :-

Nidhi Choudhary

FAREWELL

(11th April 2014)

A joyous moment of all the final year students was celebrated by the students of third year amidst the blessings of all the faculties for their bright and prosperous future.

Coordinators:

Prof. Suman Suri.

Prof. Priyanka Birajdar.

Achievements...

Students Achievement:

Toppers for Academic Year 2013-2014

Toppers of ME (SEM I)

1. MANOSHA SEKAR
2. RAKATE DIPALI

Toppers of BE (SEM VII)

1. VRUSHALI WANKHEDE
2. CHAVAN NILAM

Toppers of TE (SEM V)

1. SHIRKE SHASHANK
2. SANGEETA SHARMA

Toppers of SE (SEM III)

1. BHOR PRACHI
2. MANE KIRAN

Placement:-

- We proud and glad to notify that our 31 final year students have been placed in company "Spectrum Planning Services".
- One of our final year student has been placed in TCS Company
- Two of our final year students have been placed in Hexaware Company.

Conferences / Papers Published:

[1] Bhoomi Patil and Manjusha Deshmukh, "*Comparative study of Relative Radiometric Normalization Using No Change Set* ," IJERT,Vol-3, Issue-2, May 2014.

[2] Rajashree Narawade, "*Distributed Generation System Affected by Delay of Wireless Communication While Load Sharing",* ICETTA.

[3] Umesh Pinjarkar presented Paper on *"Simulation of Optical Transmission System Using Optsim"* at International conference PRAGYANAM 2014 at Shah & Anchor Kuttchi Polytechnic , Chembur , Jan. 2014.

[4] Sneha Lonkar Presented paper on *"Neural Network Based Cryptography",* International Conference   I-TECH, VESIT, Jan.2014.

[5] Savita Nair, *"Analysis of Multiplier Based on Various Performance Measures",* IJERT, Vol-3, Issue-2, Feb.2014.

[6] Jyotsna patil presented paper on *"Image Denoising By Independent Component Analysis",* Interface International Conference at VIT, Vadala, March 2014.

[7] Kanchan Dhuri and Dr. Alam Shaikh, *" Review On QoS Improvement with MPLS Mechanism in NGN",* IJIRSET, Vol-3, Issue-2, Feb 2014.