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From H.O.D's Desk

Electronics & Telecommunication Engineering is one of the most flourishing discipline that cultivates innovation and new trends in technology. It provides the most demanding skills one can learn to excel in this profession.

Department of Electronics & Telecommunication Engineering endeavors to provide best professional opportunities to our students and look forward to their bright future. We as a team resolve to take the department to greater heights of success and glory and prepare for the forthcoming challenges.

Vision

To provide valuable resources for industry and society through excellence in technical education and research .

Mission

- To educate the students to face the competitive world and to instill high patterns of discipline and ethics.
- To inculcate students to work in a team and fulfill the societal needs.
- To train students to design a system or a process to meet desired needs within realistic constraints

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TECHNOMANTRA State level technical paper presentation



The State level Technical paper presentation competition named “Technomantra” was organized on by the research and development committee on 28th February 2014. The mission behind arranging such an event was to encourage research among students. The competition received an overwhelming response from students across the state of Maharashtra. The competition was arranged for the students pursuing diploma in engineering from Electronics, Information Technology and Computer Engineering, equivalent streams. The event was organized to promote advancement and knowledge in the technical arena.

Keeping in mind the growing competition in the market it was essential to hold such an exemplary activity. The event was a successful one as it served the purpose of discussion, demonstration and presentation in the technical field. The participants learned the importance of invention and research by being a part of such a wonderful technical conference.

Recruitment and Placement drive by “Thought Works”



The objective of this activity was to give placement to the interested final year students of EJ department. The activity was conducted on 3rd March 2014. Students were informed about the company’s visit and were told to prepare for the technical interview. To ensure that maximum students get selected, various pre-placement activities like Aptitude test, Mock technical interview, GDs etc. were conducted.

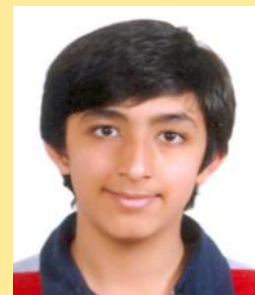
Secrets of Excellence

“If you are going to achieve excellence in big things, you develop the habit in little matters. Excellence is not an exception, it is a prevailing attitude.” -- Charles R. Swindoll

Class Toppers

Third Year
(Sem V - Winter 2013)

EJ5E-A



Khushal Soondarji
90.44 %

EJ5E-B



Omkar Rane
92.66 %

EJ5E-C



Viren Lakum
85.22 %

Guest lecture on Present Scenario of Technical Education and Career Opportunities.



The objective of the activity was to inform the students and parents about career and placement opportunities in national and international arena. The students and parents assembled at seminar hall M-101 . Principal Prof. K.V.Kumaran and Prof. Ashish Ukidve jointly inaugurated the program. This was followed by Dr. D.J.Shah's session which enlightened the students and parents about various career options available after the completion of diploma engineering. However more emphasis was on higher education after diploma. Parents and students cleared their doubts regarding higher education offered by various foreign universities.

International Women's Day Celebration.



Women Development committee celebrated "INTERNATIONAL WOMENS DAY "on 8th of March 2014. Recipient of the "Best Female Entrepreneur " award from the President of India, and also known as ,the first wine lady of the country, "MRS ACHALA JOSHI" was our special guest speaker for the day. She shared her personal experiences which were quite inspiring for the staff

members as well as the students. There was an interactive session, during which the audience put forward their questions and she answered them in full spirit. The theme for the International Women's day this year was "Equality for women, is progress for all'.

Quote of the Semester

"The secret of success is learning how to use pain and pleasure instead of having pain and pleasure use you. If you do that, you're in control of you life. If you don't, life controls you." - Anthony Robbins

Class Toppers

Second Year
(Sem III - Winter 2013)

EJ3G-B



Abdul Gaffar
89.25 %

EJ3G-B



Suresh Patel
84%

EJ3G-C



Abhishek Waghmare
78.63 %

Glimpse of our Co-curricular Activities



Headset creates Soundscape for Rehab of Blind

A new headset, still in its prototype stage, tells visually impaired people what's in front of them by playing different sounds for different objects. Eventually the headset, called EyeMusic, may be able to help visually impaired people with such everyday tasks as choosing produce at the supermarket, according to EyeMusic's creators. The inventors, a team of neuroscientists at the Hebrew University in Israel, said they proved the feasibility of the device by testing it on sighted people who were blindfolded. The EyeMusic headset looks like a pair of sunglasses with attached headphones and a

webcam mounted on the nose bridge. The camera scans the scene in front of the wearer from left to right. As the camera pans, the earphones play sounds corresponding to the height, color and brightness of what the camera sees. Higher-pitched notes represent taller objects. Different electronic instruments represent different colors — buzzy vocals indicate white, for example, while digital trumpets play for blue. Brighter colors translate to louder sounds .

One of the World's Smallest Electronic Circuits Created

A team of scientists, led by Guillaume Gervais from McGill's Physics Department and Mike Lilly from Sandia National Laboratories, has engineered one of the world's smallest electronic circuits. It is formed by two wires separated by only about 150 atoms or 15 nanometers (nm). The discovery, published in the journal Nature Nanotechnology, could have a significant effect on the speed and power of the ever smaller integrated circuits of the future in everything from smart phones to desktop computers, televisions and GPS systems. This is the first time that anyone has studied how the wires in an electronic circuit interact with one another

when packed so tightly together. Surprisingly, the authors found that the effect of one wire on the other can be either positive or negative. This means that a current in one wire can produce a current in the other one that is either in the same or the opposite direction. This discovery, based on the principles of quantum physics, suggests a need to revise our understanding of how even the simplest electronic circuits behave at the nanoscale. In addition to the effect on the speed and efficiency of future electronic circuits, this discovery could also help to solve one of the major challenges facing future computer design. This is managing the ever-increasing amount of heat produced



World's Smallest Electronic Circuits

by integrated circuits.

Edited by
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Electronics & Telecommunication Department

Class Toppers

First Year
(Sem I - Winter 2013)

EJ1G-A



Amit Shanbhag
87.08 %

EJ1G-B



Payal Devra
88.92 %

EJ1G-C



Amledu Kumar
91.08 %