



Prof. Anjum Mujawar
H.O.D , Electronics & Telecomm. Dept.

From H.O.D's Desk

Hello everyone, Our department has a team of qualified and experienced faculty members. We are striving hard to continuously improve upon the quality of education . Our department has been conducting different curricular and co-curricular activities to keep the faculty and students abreast with the latest developments in the field of technical education. I am certain that our students will prove to be an invaluable asset not only to this department and to the organization they belong, but also to the society at large.

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Institute Vision

Imparting education to develop appropriate skills in students to achieve competence so as to meet the needs of engineering profession.

Institute Mission

- To become a leading center for imparting quality education through sound fundamental knowledge.
- To develop technical skills to meet the competencies in field of engineering.
- To develop leadership and teamwork skills and to impart value of commitment to quality and ethical behavior among the students.

Program Vision

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

Program 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

Technomantra

The State level Technical paper presentation competition named "Technomantra" was organized on 27/09/2014 by the research and development committee on 27th September 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, 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. This exhibition was helpful for students to improve their knowledge



'Sindhutai Sapkal' campus visit on occasion of Human Rights Day



Mai Sindhutai Sapkal visited our campus on occasion of Human Rights Day. She is social activist working for basic rights of street children. She shared her experiences with students and guided them towards the responsibility for society. Students observed the social & educational difference in society.

Class Toppers

Final Year Toppers (Sem VI - Summer 2014)

EJ6E-A



Aditya Govandi
85.88%

EJ6E-B



Omkar Rane
88.94%

EJ6E-C



Sharad Chavare
87.06%

PCB designing using ORCAD



A training programme was arranged for third year students on PCB designing using ORCAD on 25-08-2014 To 27-08-2014 .Students got information on features of ORCAD, designing single side PCB, plotting of layout design & creating PDF documentation. The purpose of this training is to inform the students about the usage of this software in industries and commercial market.

Guidance on project implementation by Industry Experts



As a part of this entire interactive session, the expert Mr. Veersinh Nipanikar from Citicorp Services India limited briefed the students on various aspects of Quality Assurance regarding projects on 4th October 2014 . He emphasized on requirement gathering, importance of designing, coding standards and testing methodologies. He explained the latest technologies in market and importance of open source technology.

During this session there was interaction between student, the expert and committee members on various project topics.



Class Toppers
Second Year
(Sem IV - Summer
2014)
EJ4G-A



Yugandhara Sawant
83.25%

EJ4G-B



Suresh Patel
83.88%

EJ4G-C



**Abhishek
Waghmare**
85.88%

TECHNOLOGY UPDATES

When GPS fails, this speck of an electronic device could step in a pellet of glass the size of an apple seed, University of Michigan engineering researchers have packed seven devices that together could potentially provide navigation in the absence of the satellite-based Global Positioning System (GPS.) Space-based GPS – convenient for civilians and essential for the military – is far from fail-proof. It doesn't work indoors, near tall buildings or in heavy cloud cover, and it's relatively easy to jam, researchers say. "In some cases, there is no good solution for that yet," said Khalil Najafi, the Schlumberger Professor of Engineering and chair of electrical and computer engineering. "That's one of the reasons there's interest in developing this technology." So-called "timing and inertial measurement units" similar to this new one are used nowadays as motion sensors in cell phones, game controllers and automotive systems, but the performance of these silicon sensors isn't good enough for navigation, positioning and guidance across larger distances or long times. Inertial sensors have been used to navigate ships and aircraft since long before GPS. Those still in use today in these vehicles are much larger. "In the smallest commercial inertial systems, the volume is about the size of an apple, and most are larger – about the volume of four apples," Najafi said. "The volume of our device is less than an apple seed. The main breakthrough is that the technology we developed is hopefully going to allow us to build very high performing devices in extremely small sizes.



How Stuff Works-Robot

On the most basic level, human beings are made up of five major components: A body structure . A muscle system to move the body structure. A sensory system that receives information about the body and the surrounding environment. A power source to activate the muscles and sensors . A brain system that processes sensory information and tells the muscles what to do. Of course, we also have some intangible attributes, such as intelligence and morality, but on the sheer physical level, the list above covers it. A robot is made up of the very same components. A typical robot has a movable physical structure, a motor of some sort, a sensor system, a power supply and a computer "brain" that controls all of these elements. Essentially, robots are man-made versions of animal life -- they are machines that replicate human and animal behavior. Joseph Engelberger, a pioneer in industrial robotics, once remarked "I can't define a robot, but I know one when I see one. ." If you consider all the different machines people call robots, you can see that it's nearly impossible



Secret of Success

"Success is not final, failure is not fatal: it is the courage to continue that counts" - Winston Churchill.

Art Mela



Hobby Club Committee organized Art Mela from 13/09/2014 to 15/09/2014. . In this exhibition participants got opportunity to explore and exhibit their talent like painting, sketching, crafts and poems. Our Director, Principal, teachers and students appreciated art work of participants which would motivate them to develop their creativity further.

Edited by
Prof. Srinivas Paivernekar
Electronics & Telecommunication Department

Class Toppers **First Year**

(Sem II- Summer 2014)

First Year

EJ2G-A



Amit Shanbaug
91%

EJ2G-B



Shailesh Thakur
86.14%

EJ2G-C



Amalenda Kumar
92.57%