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From H.O.D's Desk

VP continues to surge ahead on the path of success and keeps on setting higher goals. It never seemed impossible for EJ Dept. to give its best despite of having so many responsibilities to be completed with so little time available, as the even Semester is always loaded with academics as well as the technical events and the cultural fest. . Every student played a vital role for making it a successful one. As a engineer, it is always important to share our views and ideas with others to increase the visibility of our research work and in turn learn more about the advancements in EJ dept. On a concluding note, I wish you all good luck and success!

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

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New fabrication lab in Vidyalankar Polytechnic



In this World of Electronic Gadgets we can't imagine an electronic device without Printed Circuit Board (PCB). Designing PCB is one of the important skills required by every engineer. Vidyalankar Polytechnic's Department of Electronics and Telecommunication has developed a lab, initiated by Prof. Anjum Mujawar Head of the EXTC department with the help of Prof. Ketan Bagade and Prof. Pratik Tawde under the guidance of Principal. Prof. Ashish Ukidve on 15/5/2015. The Lab is exclusively used for PCB fabrication for students. The lab has a variety of facilities for PCB layout design and fabrication of electronic and electrical circuits. It is extensively used by students to make PCBs for their electronic workshop, project/research work. PCB Fabrication laboratory focuses on training the students both in Design and Fabrication of PCB. The students enhance their knowledge in various routing techniques, design rules and schematic design. Also the students are trained to create new library for various components. In this lab, students fabricate the given Circuit assemble it and test for proper working. This lab gives hands on training/experience of making PCB to the students.

Secrets of Excellence

Only those who risk going too far can possibly find out how far one can go

Class Toppers

(Sem V - Winter 2014)

Third Year

EJ5G-A



Yugandhara Sawant
91.11%

EJ5G-B



Suresh Patel
93.67%

EJ5G-C



Prajakta Kamer
91.2%

Seminar on Ethical Hacking



Workshop on ethical hacking was successfully conducted by **Mr. Jayesh R. Mhaskar** on 4th January 2015 to 10th January 2015 at Vidyalankar Polytechnic. The objective of seminar was to educate the students about Ethical Hacking and Information Security through well-refined and searched materials. Major emphasis was put upon the core concepts and its applications. Our speaker who is the champions in his trade had cover all the topics with great diligence and accuracy. The main focus of such activities is to impart as much knowledge and information about Ethical Hacking and IT security to the enthusiastic students who are keen learners and listeners. These seminars was entirely free of cost.

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Seminar on “IEEE Paper Writing Skills”



“IEEE Paper Writing Skills” was organized by the Research and Development committee on 21st January, 2015. The mission behind arranging such an event was to encourage research among faculty. The seminar received an overwhelming response from staff members.

The event was organized to promote advancement and knowledge in the technical arena. Keeping in mind the

growing competition and new innovative technology 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. Staff members learned the importance of invention and research by being a part of such a thought provoking technical seminar. This seminar was helpful for staff members to improve their knowledge.

Aspect's of Progress

When you make a mistake don't look back at it for long, learn from it, because the past cannot be changed but the future can.

Class Toppers

(Sem III - Winter 2014)

Second Year

EJ3G-A



Amit Shanbhag
89.25%

EJ3G-B



Payal Devra
91.63%

EJ3G-C



Kumar Amalendu
93.25%

Project Exhibition



Vidyalankar Polytechnic, Project quality assurance committee has successfully organized project exhibition of final year students on 27/2/2015 and 28/2/2015 to encourage the building of engineering talents of VP. The exhibition was the symbol of unflagging spirit of students as well as their guides to stand apart in selection of the project and its execution. Each group explained their project to the judging panel. Based on project idea, presentation and technical knowledge project evaluation was done. Students from various schools enthusiastically participated in the exhibition.

Class Toppers

(Sem I - Winter 2014)

First Year

EJ1G-A



Sawant Muktai
84.31%

EJ1G-B



Omkar Shete
87.80%

EJ1G-C



Abhijeet Chauhan
82.92%

Co - Curricular Activities



HOW STUFF WORKS

Brushless Electric Motor With the advent of cheap computers and power transistors, it became possible to "turn the motor inside out" and eliminate the brushes. In a brushless DC motor (BLDC), you put the permanent magnets on the rotor and you move the electromagnets to the stator. Then you use a computer (connected to high-power transistors) to charge up the electromagnets as the shaft turns. This system has all sorts of advantages: Because a computer controls the motor instead of mechanical brushes, it's more precise. The computer can also factor the speed of the motor into the equation. This makes brushless motors more efficient. There is no sparking and much less electrical noise. Read more at <http://electronics.howstuffworks.com/brushless-motor.htm>



How mobile security works



Unfortunately, consumers aren't the only ones making the shift to mobile devices. Malicious hackers and identity thieves are following close behind. As more and more people use their smartphones and other mobile devices to do online banking, pay bills, and store critical personal and business information, more and more bad guys are trying to crack into this mobile gold mine. Mobile security will be the key to winning the war against this new generation of cyber thieves. Mobile security can come in many shapes and forms. Some protections are built directly into the device you're using. For example, the iPhone ships with a default Auto lock feature that requires the user to enter a password after a

few minutes of inactivity [source: Sacco]. Other mobile security protections are built into the network, such as strong encryption standards for data travelling across cellular networks. But perhaps no mobile security device is as powerful as an educated consumer who keeps his or her personal information protected and avoids downloading suspicious applications or clicking on booby-trapped links. Keep reading to learn more about the magnitude of the mobile security threat and what you can do to protect your gadgets and your money.

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