VP-Connect

DEPARTMENT OF INFORMATION TECHNOLOGY
1ST JULY 2017 to 31TH DECEMBER 2017

Department of Information Technology

Institute Vision

To achieve excellence in imparting technical education so as to meet the professional and societal needs.

Institute Mission

- Developing technical skills by imparting knowledge and providing hands on experience.
- Creating an environment that nurtures ethics, leadership and team building.
- Providing industrial exposure for minimizing the gap between academics & industry.

Department of Information Technology

Vision

To become a leading center in the domain of Information Technology where learners are introduced to the concepts and implementation of technologies.

Mission

- Encouraging academic excellence and a passion for learning through the use of learner-oriented teaching methodologies.
- Providing an environment that inculcates ethics and effective soft-skills and focuses on the development of learners.
- Establishing and reinforcing a symbiotic institute-industry interface so that learners can gain exposure to real-life applications of Information Technology.

Program Educational Objectives (PEOs)

PEO 1: To provide students with a sound foundation in Information Technology theory and practice to analyze, formulate and solve engineering problems.

PEO2: To develop ethics and life skills for the benefit of social welfare.

PEO3: To enable students to gain exposure to actual technological requirements of the industry through educational visits, conferences and seminars.

Program Specific Outcomes (PSOs)

- **Programming skills**: Ability to design and develop different applications based on various software, databases, and multimedia and web designs.

- **Networking and security skills**: Design and implement the concept of networking and security to build real time application with professional ethics and principles.

- **Mathematical concept:** Ability to apply mathematical methodologies to solve computational task using appropriate data structure and suitable algorithm.

- **Professional skills**: Communicate effectively in professional and social scenario with zest for higher education and entrepreneurship by engaging in lifelong learning.

Department of Information Technology

Program Outcomes (POs)

1. **Basic knowledge:** An ability to apply knowledge of basic mathematics, science and engineering fundamentals to solve problems related to applications of computers and communication services.

2. **Discipline knowledge**: An ability to apply Information Technology knowledge to design and develop an application in the field of Information Technology.

3. **Experiments and practice:** An ability to Plan and perform experiments, practices and use the results to solve Information Technology related problems.

4. **Engineering Tools**: An ability to apply appropriate Information Technology related techniques and tools with an understanding of limitations.

5. **The engineer and society**: An ability to access social, health, safety, legal and cultural issues and the consequent responsibilities relevant to practice in the field of information technology.

6. **Environment and sustainability**: An ability to apply Information Technology related engineering solutions for sustainable development practices in environmental context.

7. **Ethics**: An ability to apply ethical principles, maintain responsibilities and follow the norms as an individual.

8. **Individual and team work:** Function effectively as a leader and team member in diverse or multidisciplinary teams.

9. **Communication:** An ability to communicate effectively in the professional environment.

10. **Life-long learning:** Engage in independent and life-long learning along with the technological changes in the Information Technology and allied industry.

VP | Vidyalankar Polytechnic

Department of Information Technology

From H.O.D Desk

It gives me immense pleasure in welcoming all the students to the new semester of the academic year 2017-18 of Information Technology Department, Vidyalankar Polytechnic. I wish a warm welcome to the students who have taken admission this year.

Prof. Yogita Jore

H.O.D.

Information Technology Dept.

Departmental Activities

1. Induction Program for Second and Third Year students are conducted in June 2017.

2. Expert Lecture on Nuclear Science & Engineering are conducted in July 2017

3. Summer Break Bridge & Skill Development Course on PHP in July 2017

4. Induction Program for First Year students are conducted in August 2017

5. Seminar conducted on Big Data And Angular JS ,Empower Academic And Professional Growth Through Network Education, The Technology world of 21st century in August 2017

6. Parents meeting conducted for Third Year students in August-2017

7. Parents meeting conducted for Second Year students in September-2017

8. Seminar conducted on Software Testing and Software Engineering & SRS in September 2017

9. Industrial Visit is organized at Matunga Railway Workshop,ISTC,Pune-GMRT, Nehru   Science Center in September 2017

10. Industrial Visit is organized at CETTM, BARC in October 2017

11. Mock Technical Interview was conducted in October 2017 for third year students.

Be sure with **Vidyalankar** *Since 1960*

Industry Institute Interaction Committee

Industry Expert Lecture on

1. Nuclear Science & Engineering: 01/07/2017
2. Big data and Angular JS: 12/08/2017
3. Empower Academic And Professional Growth Through Network Education: 18/08/2017
4. The Technology world of 21st century…": 19/08/2017
5. An Introduction to Software Testing:16/09/2017

Inside Story

Nuclear Science & Engineering

Vidyalankar Polytechnic, Mumbai, organized one day workshop on **"NUCLEAR SCIENCE AND ENGINEERING"** by Indian association of Nuclear Chemist and Allied Scientist (IANCAS) C/o BARC, DAE, Mumbai on 15th July 2017. Chief Guest for this activity was Dr B.S.Tomar (Director Radiochemistry and isotope group, BARC). Students of Computer Engineering, Electronics and Telecommunication and Information Technology participated in this workshop.

A team of four members from BARC were resource persons. The program consists of a short inauguration followed by two basic lectures on

Role of Electronics and Computer in Nuclear Engineering (Dr T.P.Chaturvedi, Head Equipment Electronics Services division)

Nuclear Sciences and Applications (Dr R. Acarya , Head radiochemistry division)

Big Data & Angular JS

Industry Institute Interaction Committee has organized a seminar on **"Big Data & Angular JS"** by squad Infotech, Pvt. Ltd, on 12th August, 2017.Ms. Pallavi Kadam (Trainer) had delivered   an introduction on big data and angular JS, career options and applications in this particular domain.

Empower Academic and professional growth through network education

Industry Institute Interaction Committee has organized a seminar on **"**Empower Academic and professional growth through network education" by D-Link academy on 18/08/2017.

Mr. Sudhanshu Ozha(General Manager) explained various career option in networking filed.

The Technology world of 21ˢᵗ century

Industry Institute Interaction Committee has organized an industry expert lecture on **"**The Technology world of 21ˢᵗ century-top trends and the role of engineering in building it" by **Mr. Nandan Kulkarni** (R&D, Cipla, Vikhroli) on 19/08/2017.

This seminar contains the journey of technology, understanding the basics of various aspect of this evolution such as nanotechnology, big data, Internet of Things, Advanced Drug delivery and so on.

An Introduction to Software Testing

Industry Institute Interaction Committee has organized an Industry Expert Lecture on **"An Introduction to Software Testing"** by Mr.**Younus Poonawala (RethinkingWeb)o**n 16/09/2017. He had elaborated the importance of software testing, career options in the same domain.

Software Engineering & SRS

Industry Institute Interaction Committee has organized an Industry Expert Lecture on **"Software Enginerring ans SRS(software Requirement Specification "**by **Mr**.**Asfaq Sayed(Lead Business Analyst ,NeoSOFT)o**n 23/09/2017. He had elaborated the importance of software engineering, what is SRS?, career options in the same domain.

Industry Institute Interaction Committee

Industrial Visit and Educational Visit

1.Matunga Railway Workshop- 08/09/2017,09/09/2017 & 18/09/2017

2.ISTC,Pune-16/09/25017

3.GMRT-22/09/2017 & 29/09/2017

4.Nehru Science Center- 23/09/2017

5.CETTM-07/10/2017

Inside Story

Matunga Railway Wokshop

Industry Institute Interaction Committee had organized industrial visit to Mantuga Railway Workshop from 04/09/2017 to 18/09/2017. Only selected candidates were selected from each class and streams. Students have understood the concept of mechanical concept of railway such as Train operations by ensuring Motive Power availability, Crew Management, Rolling Stock Management and Traffic restoration in case of accidents, etc.

ISTC,Pune

Institute of satellite telecom Pvt ltd (www.satellite.com) is a leading Satellite Communication Solution provider. Industry Institute Interaction Committee had organized industrial visit to above centre on 16/09/2017. ISTC covered the Practicals related to setting of DTH setup, setup for video transmission through CableTV, measurement of various antenna parameters using spectrum analyser,etc.

GMRT,Pune

Industry Institute Interaction Committee had organized educational visit to Giant Metre wave Radio Telescope (GMRT) on 22/09/2017 and 29/09/2017.

NCRA has set up a unique facility for radio astronomical research using the metre wavelengths range of the radio spectrum, known as the Giant Metre wave Radio Telescope (GMRT), it is located at a site about 80 km north of Pune. GMRT consists of 30 fully steerable gigantic parabolic dishes of 45m diameter each spread over distances of up to 25 km. GMRT is one of the most challenging experimental programmes in basic sciences undertaken by Indian scientists and engineers.

Nehru Science Centre, Mumbai

Industry Institue Interaction Committee had organized a one day industrial visit to Nehru Science Centre for 1st year Vidylankar Polytechnic students. The visit gave an exposure to the students in the field of science & and they participated in the following programmes: Science Odyssey, 3D Science Show, Science on a sphere, Sky Observation Programme & Science Demonstration. Also students could witness various Live shows like Hall of Nuclear Power, Hall of Aerospace, and Light & Sight. Some other tours such as Reality & Computing, Human & machine sound & hearing were the highlights.

CETTM, MTNL

Industry Institute Interaction Committee had organized industrial visit to CETTM, Powai, Mumbai on 07/10/2017.

The students of Third year from Computer engineering and Information technology department attended the same.

The experts of CETTM explained various telecom domains like Telecom Switching, Telecom Transmission, Wireless Communication, Information and Broadband Technologies

Bhabha Atomic Research Centre (BARC)

Industry Institute Interaction Committee had organized industrial visit to BARC, Mumbai on 12/10/2017 and 02/11/2017.

The students of first year from Computer engineering, Electronics and Telecommunication and Information technology department attended the same.

On the visit day, first students have seen the short film on BARC, then visited to reactor section, reprocessing and waste management, Super Computer, etc.

Industry Institute Interaction Committee

Industry Training on
PHP- 16/07/2017 , 23/07/2017 and 30/07/2017

Inside Story

This course content covered following topics:

Overall Introduction to PHP.
Objective behind this course is to give basic Knowledge of PHP
Learn about PHP Syntax.
PHP and MySQL connectivity
PHP form validation and PHP form handling
Javascript and JQuery

Quote

IF YOU CAN DREAM IT , YOU CAN DO IT

- WALT DISNEY

Our Toppers of MSBTE Winter- 2017

THIRD YEAR TOPPERS

Patel Ritu
(94.00%)

Patel Riya
(92.70%)

Shelake Ankita
(90.78%)

SECOND YEAR TOPPERS

Khedekar Shraddha
(93.77%)

Birje Shardul
(93.88%)

Shirkar Niraj
(90.59%)

FIRST YEAR TOPPERS

Shah Shreyas
(90.14%)

Borade Pooja
(84.29%)

Khan Hassan Mohd
(83.29%)