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VP-Connect

Department of Computer Engineering

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See your goal
Understand the obstacles
Create a positive mental picture
Clear your mind of self doubt
Embrace the challenge
Stay on track
Show the world you can do it

Institute

Vision

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

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 Computer Engineering

Vision

To empower students with domain knowledge of Computer Engineering and interpersonal skills to cater to the industrial and societal needs.

Mission

- Developing technical skills by explaining the rationale behind learning.
- Developing interpersonal skills to serve the society in the best possible manner.
- Creating awareness about the ever changing professional practices to build industrial adaptability.

Program Educational Objectives

- **PEO1:** To empower the students to apply their knowledge of various domains and cultivate a habit of life-long learning for building engineering solutions.
- **PEO2:** To develop the students' overall personality and thereby encourage just social behaviour in the students.
- **PEO3:** To provide an exposure to the industry environment so as to keep them abreast with new trends.

Vidyalankar Polytechnic
Vidyalankar Educational Campus, Vidyalankar Marg, Wadala(East),
Mumbai-400037, Telefax: 24161126
Website: www.vpt.edu.in

Program Specific Outcomes (PSOs)

- Design and develop applications using software programming, database and graphical interface.
- Design and implement the concept of networking and security to build real time application with professional ethics and principles.
- Apply mathematical methodologies to solve computation task using appropriate data structure and suitable algorithm.
- Communicate effectively in professional and social scenario with zest for higher education and entrepreneurship by engaging in lifelong learning.

Program Outcomes (POs)

1. **Basic Knowledge**: An ability to apply knowledge of basic mathematics, science and basic engineering to solve the broad-based computer engineering problem.
2. **Discipline Knowledge**: An ability to apply computer engineering discipline-specific knowledge to solve core computer engineering related problems.
3. **Experiments and practice**: An ability to plan to perform experiments and practices to use the results to solve broad based computer engineering problem.
4. **Engineering Tool**: An Ability to apply relevant computer technologies and tools with an understanding of the limitations.
5. **The engineer and society**: An ability to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to practice in the field of computer engineering .
6. **Environment and sustainability**: Understand the impact of computer engineering solutions for sustainable development practices in social and environmental context and demonstrate the knowledge and need for sustainable development.
7. **Ethics**: Apply ethical principles for commitment to professional ethics, responsibilities and norms of the practice in the field of computer engineering.
8. **Individual and team work:** Function effectively as an individual and as a member or a leader in diverse/multidisciplinary teams.
9. **Communication:** An ability to **c**ommunicate effectively in oral and written form.
10. **Life-long Learning:** An ability to recognize the need for and to engage in independent and life-long learning activities in the context of technological changes in the computer engineering field and allied industry.

Secret of Success

The true secret of happiness lies in taking in genuine interest in all the details of daily life. **William Morris**

HOD Speak

Prof. Vijay T. Patil
I/c HOD, Computer Engineering

Our department has a team of qualified and experienced faculty members. We are striving hard to continuously improve upon the quality of education. Our faculty is always actively involved in helping students succeed in all majors and provide students with a balance of intellectual and practical experiences that enable them to serve a variety of societal needs. Department of Computer Engineering has been conducting plethora of 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.

Summer-2017 Examination Toppers

Third Year Toppers

Prachi M. Sarawade

Secured First Rank from Third Year, Computer Engineering Department

By obtained 1468 out of 1600 (91.75 %)

Sanjay Jain

Secured Second Rank from Third Year, Computer Engineering Department

By obtained 1433 out of 1600 (89.56 %)

Ronak Vadhaiya

Secured Third Rank from Third Year, Computer Engineering Department

By obtained 1420 out of 1600 (88.75 %)

Summer-2017 Examination Toppers

Second Year Toppers

Om Rajpurkar

Secured First Rank from Second Year, Computer Engineering Department

By obtained 1654 out of 1750 (94.51 %)

Sejal Jain

Secured Second Rank from Second Year, Computer Engineering Department

By obtained 1608 out of 1750 (91.88 %)

Dale Alphonso

Secured Third Rank from Second Year, Computer Engineering Department

By obtained 1579 out of 1750 (90.22 %)

First Year Toppers

Muddassir M.

Secured First Rank from First Year, Computer Engineering Department

By obtained 1369 out of 1450 (94.41 %)

Husain T.

Secured Second Rank from First Year, Computer Engineering Department

By obtained 1314 out of 1450 (90.62 %)

Hrushikesh Jadhav

Secured Third Rank from First Year, Computer Engineering Department

By obtained 1285 out of 1450 (88.62 %)

Trainings for Student

Industry Institute Interaction Committee and **L&T** had organized a 3 week workshop from 15/05/2017 to 05/06/2017 for students of computer engineering. The course content covered technical (60%) & soft-skills (20%) along with development of life skills (10%). The technical skills development was as follows: Software Development Industry Approach, SQL Server 2008, Web Application ,database connectivity . 47 students are participated in this training program.

A Industry Institue Interaction Committee had organized a 3 day workshop on Arduino Programming & development for II year & final year EJ students .the workshop primarily aimed at encouraging students to take simple projects and enhance their programming skills. Bluetooth controlled home automation,Temperature controller, Intrusion detection and control system, Humidity controller, Gas Leak detection and controller, LCD Rolling display were some of the applications undertaken as a part of the workshop.

Quotes

Opportunities don't happen. You create them. **Chris Grosser**

Trainings for Student

- Organized One week Training Program on MAC-OS by Ameya Vichare.
- Three Days Training Program on PHP by Vijay Yadav

A House that Walks

A new prototype house walked around the campus of the Wysing Arts Centre in Cambridgeshire, England. The eco-friendly house is powered by solar cells and miniature windmills, and comes with a kitchen, a composting toilet, a system for collecting rain water, one bed, a wood stove for CO2 neutral heating, a rear opening that forms a stairway entrance, and six legs. A collaborative effort between MIT and the Danish design collective N55, the house walks about five kilometres an hour similar to the walking speed of a human. The legs require a software algorithm to calculate the movement and position of the legs to provide stability over varying terrain. The house can turn, move forward or backwards, or change height as required and can be programmed with GPS waypoints for traveling to destinations.

Agrahari Sapna Shyamsundar
CO6G-B

Quotes

Opportunities don't happen. You create them. **Chris Grosser**

Industry Visits

Department of Computer Engineering organized the following Industry Visits during semester

- Organized Visit to Indian Railway Workshop at Matunga, Mumbai arranged for second year students on 8/9/2017 and 9/9/2017
- Organized Visit to Institute of Satellite Telecom, Pune arranged for Third Year Students on 16/09/17.
- Organized Visit to GMRT (Giant Metrewave Radio Telescope) Pune arranged for Third Year Students on 22/9/2017 and 29/09/2017.
- Visit arranged for First Year Students at BARC (Bhabha Atomic Research Centre) Mumbai on 21/9/2017 and 12/10/2017.
- Visit arranged for First Year Students at Nehru Science Center , Mumbai on 23/9/2017.
- Final Year and Second Year Students visited Automation Expo-2017 (12th India International Trade Show) Mumbai on 11/8/2017.

Quotes

Opportunities don't happen. You create them. **Chris Grosser**

Industry Expert Lectures

- Organized Seminar on “Open Source Technologies” by Sayali Yewale, Foslipy C.S.Pvt Ltd on 8/7/2017.
- One Day Workshop Organized on "Nuclear Sciences and Engineering" conducted by (IANCAS) Indian Association of Nuclear Chemist and Allied Scientists C/o BARC, Mumbai on 15/07/2017.
- Seminar on "Big Data and Angular JS" organized by Pallavi Kadam, Trainer Squad Infotech on 12/8/2017.
- Organized Seminar on "Empower Academic and Professional growth through Network Education" by Mr. Sudhanshu Ozha, Generak Manager, D-Link
- Organized Seminar on "The Technology World of 21st Century –Top Trends and the role of engineers in building it" by Mr. Nandan Kulkarni, IRD, Cipla Ltd on 19/8/2017.
- Seminar organized on "Softare Testing" by Yunuf Punawala, Career Counseller, Rethinking Web on 16/9/2017.

Quotes

Opportunities don't happen. You create them. **Chris Grosser**

Industry Training Deputation

- Er. Vijay Patil and Er. Prerana Jalgaonkar attended Training Program on "Bigdata Ecosystem" Organized by MSBTE in association with Tata Consultancy Services, Mumbai.
- Er. Kalyani Pawar attended Five Days Training Program on “Virtual Lab Development”

Student Participations

- Siddique Mohd Kaif and Om Rajpurkar, Third Year Students secure First Runner Up in Technical Quiz Competition (IGNIUM 2K17) Organized by M. H. Saboo Siddik Polytechnic, Mumbai.
- Prem Bajaj and Akash Galgali, Third Year Students, Presented paper on "Bigdata" at G.P.Thane in State Level Technical Paper Presentation Competition 2017-2018.
- Prem Bajaj and Akash Galgali, Third Year Students, Presented paper on "Bigdata" at Thakur Polytechnic in State Level Technical Paper Presentation Competition 2017-2018.

Programs for Students

- Seminar on "Surge Ahead-Overcoming failure" by Archana Samartha on 27/7/2017.
- Seminar on "E-Waste Management" by Rahul Kanojia, Founder, Diplomad on 12/9/2017.
- Seminar on "Burst the stress" by Archana Samartha, Counseller on 14/9/2017.
- Seminar on "Interview Ettiquetes and Softskills" by Ms. Harpit Randhawa on 3/10/2017
- Seminar on "Expert lecturer on business startup" by Deepesh Keni (Alumni) on 28/9/2017
- Swachha Pakhwada organized by Students and Staff from 1 to 15 September 2017.

Faculty Training Organized

Organized One Day workshop on "Innovative Teaching and Learning" by Dr. S. S. Rathod (Head of Electronics Department, S.P.I.T, Mumbai) on 9/9/2017

Quotes

Education in not the preparation for life, education is life itself. **John Dewey**

Quotes

The best revenge is massive success. **Frank Sinatra**

Brain Teasers

Project Exhibition-2017

Editorial Team

Chief Editor - **Prof. Vijay T. Patil**