



April 30, 2015

परिख्य

– A computation of dreams

Newsletter

Department of Computer Engineering

Editorial

Alan Turing built a machine that beat the German Enigma encoder, a task that was presumed to be impossible at the time.

Compare his decoder with the computers we use right now. Turing could only dream of machines like these; ones that are small enough to fit in our hands.

Our progress is limited only by the extent of our dreams. Taking inspiration from this idea, we present to you our inaugural newsletter, “Parikhya– A computation of dreams.”

Message from Head of the Department



“Growing is a process and learning is an experience”

The department is committed towards imparting quality education and developing future technocrats in the stream of computers.

It is focused towards its mission of facilitating student's progress by providing strong foundation in fundamental concepts as well as inculcating core values of professionalism and ethics.

The department presents them with plethora of opportunities for applying their acquired knowledge and critical thinking

skills thus striving to bridge the theory - practice divide.

I attribute the phenomenal growth of the department to the winning combination of dedicated and experienced faculty, brilliant students and strong administrative support from the institute.

Dr. (Mrs.) Nupur Giri
HOD, CMPN Department
nupur.giri@ves.ac.in

Vision of the Department

To reach international standards by empowering students with computing skills and cutting edge technology.

Mission of the Department

- To sustain excellence in teaching and research and create centre of excellence.
- To provide broad Educational and Research experiences through interdisciplinary and industrial collaboration programs.
- To prepare students to enter the world of computing and make them ready for productive employment in the public or private sectors, enhance their entrepreneurship skills and motivate them to pursue advanced degrees.

In This Issue

- Message from HOD
- Vision Mission
- About the Dept.
- Program Educational Objectives
- Program Outcomes
- Achievements Unlocked
- Wall of Fame
- Faculty Forum

Contact Us

Editorial Team

Prof. Gresha Bhatia
(Deputy HOD)

Prof. Onkar A. S.
(Editor)

Mr. Madhusudhan U.
(Student, D17B)

Ms. Deepika Singh T.
(Student, D12A)

Mr. Piyush Mantri
(Student, D7B)

www.vesit.edu
cmpn@ves.ac.in

Department Strength

- 25 Qualified Faculties
- 1 Ph.D. holder
- 4 pursuing Ph.D.
- CLOUDERA Certified Faculty
- Specialized Labs

Department's Areas of Specialization

- Big Data and Data Mining
- Networking and Security
- Robotics and Artificial Intelligence
- Image Processing
- Product Design and Application Development

Scholarships

- Student Aid Scholarship
- JRD Tata Trust Scholarship
- Sir Ratan Tata Scholarship
- Narotam Sekhsaria
- Suman Ramesh Tulsani Trust
- Dhirubhai Ambani Scholarship
- VES Financial Aid
- VES Charitable Trust
- Jeev Daya Sanstha

Program Educational Objectives

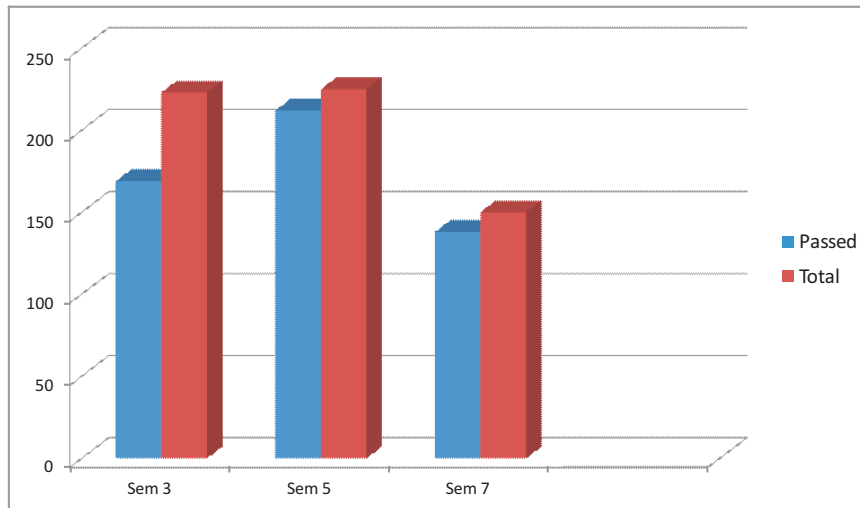
- To provide students with a solid foundation in their core concepts of mathematical, scientific and computer engineering and fundamentals required to comprehend, analyze and design solutions for real life problems.
- To inculcate in students, a balanced outlook with professional and ethical attitude, develop effective communication skills, teamwork and leadership qualities with multi disciplinary approach.
- To prepare students to excel in postgraduate programs through an excellent academic environment and make them ready for productive employment in the public or private sectors, provide lifelong learning experience.
- To provide broad educational and research experience through interdisciplinary and industry programs.

Program Educational Outcomes

- Basic Engineering Knowledge:** An ability to apply the fundamental knowledge in mathematics, science and engineering to solve problems in Computer engineering.
- Problem Analysis and Design:** An ability to identify, analyze and interpret data to formulate, design, develop or research various solutions for complex engineering problems in the field of Computer engineering.
- Professional Engineering Practice:** An ability to apply the acquired engineering skills professionally and ethically. And understand the impact of engineering solution in societal and environmental context.
- Modern Tool Usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities, with an understanding of the limitations.
- Soft Skills:** An ability to communicate, comprehend and document effectively.
- Multi disciplinary Skills:** An ability to function effectively as an individual or as a part of a team in multi disciplinary settings.
- Life-Long Learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.
- Project Management:** An ability to demonstrate knowledge and understanding of the engineering and management principles and apply them effectively to manage projects.
- Industry Readiness:** An ability to expose themselves to use of industry standard.
- Research Oriented Approach:** Apply the acquired knowledge in their domain towards research activities.

Academic Excellence

Results of December 2014 Semester Examination



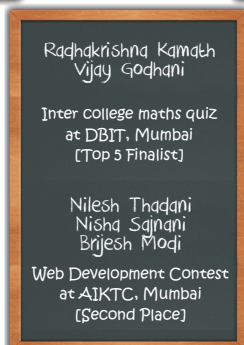
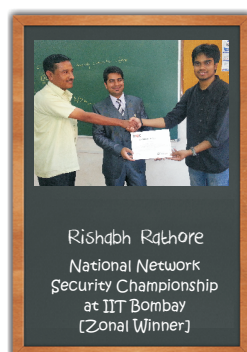
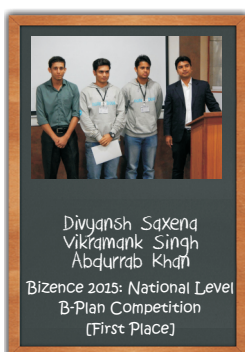
Placement Statistics

- 82% of our department students placed.
- Our Recruiters:** SAP Labs, Accenture, Morgan Stanley, J P Morgan Chase, Indus Valley Partners, L & T Infotech, Tibco, Capgemini, Play Games 24x7, MAQ Software, iGate, Diebold.

Department Day Celebration

- Student Help Desk** Inauguration.
- 4 Startups and 14 Product Designs were exhibited.

WALL OF FAME



Student Internships-45+.

- UC Berkeley
- IIM Ahmedabad
- IIT Bombay
- Kelloggs School of Management
- Measurance(NYC)
- Air India
- BARC
- Reliance Communication
- TCS
- Wikimedia Foundation
- Stupidsid
- YourStory
- Atos Pvt. Ltd
- Bill Desk
- Micromax Solution
- Pixemine
- Nucleitech
- Decor Listings

Entrepreneurial Activities

- NucleiTech**
Provides Cloud based Railway concession Platform
Page Hits: 6500+ across 100+ countries
- Notemybook**
Ranked #1 in national level B-Plan Competition.
Ranked among top under 19 CEOs of India by IIM Indore and GTL Ventures at WEPME.
No. of customers : 4500,
No. of Transactions : 13,000,
No. of Colleges : 10,
Revenue Generated: 2.6 Lakhs

Competitions

- IOT Challenge `15
- LBS
- SPARKLE, KPIT
- SEED Infotech
- VIT, TantraVihar(6)
- E-Yantra

Cisco Certification



- Rishabh Rathore (ELP)

ORACLE Certification



- Akshaykumar Oswal
- Janhavi Vipat

Library Website



- Ankita Mahadik (ESP)

IOT Challenge



Achievements Unlocked

SPARKLE, Design and Development Contest 2015

The SPARKLE, **National** Design and Development contest 2015 event was conducted on Saturday, 21st March, 2015 at KPIT Pune, campus.

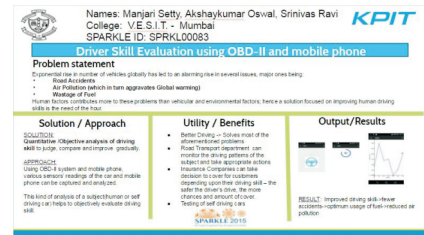
Qualified students for the **final round** of poster presentation were,

I. Driver Skill Evaluation using OBD-II and mobile phone

- Akshaykumar Oswal
- Srinivas Ravi
- Manjari Setty

II. Context Aware Dynamic Traffic Signal

- Kandarp Khandwala
- Snehal Rao
- Rudra Sharma



TantraVihar - 15, VIT

Vidyalankar Institute of Technology had organised a **State Level** Intercollegiate Project Competition Tantra Vihar on 8th April 2015.

Participation for

“Android app for special users”

- Poonam Aswani
- Rahsha Rijhwani
- Siddesh Sinkar
- Pratiksha Patil
- Dimple Wadhwa
- Shivanshi Bajpal

IOT Challenge 2015

Our students showcased innovative projects at the IOT Challenge 2015 conducted on the Technology Day.

The winners were

“IOT Applications and application enablement”

- Aishwarya Danoji
- Amey Bhadkamkar
- Aishwarya Kourani

“Smart Park”

- Vishal Motwani
- Hariba Dhere

“Microchip Implant”

- Nisha Sajjani
- Nilesh Thadani
- Brijesh Modi

“Smart CCTV”

- Prashant Rajpal
- Sarthak Pawar

Looking Beyond Syllabus

Looking beyond syllabus was launched in the year 2011 with an aim to expose the students to emerging technologies and opportunities to work as teams on multidisciplinary projects under the mentorship of a faculty member assigned to them.

23 students participated

1st rank in the software group was awarded to

“Hand Gesture Recognition and Cursor Control”

- Shashank Salian
- Arun W.
- Pranav Ganorkar
- Dhiren Serai

Paper Publications

- Dr. Nupur Giri, Prof.Priya.R.L, “Functional Architectural Design of negotiation service component in NGN ITU Architecture”, April 2015
- Gresha Bhatia, Gulshan Bhatia, Rashmi Khemani, Neelima Nebhan, “Forecasting cascading failures in power grids using cascading method”, International journal of emerging technology and advanced engineering, Feb 2015
- Anjali Yeole, Aakash Goplani, Jyoti Vaswani, Sneha Kukreja, “A review on techniques for searching and indexing over encrypted cloud data”, Jan 2015
- Lifna C.S, Dr. Vijayalakshmi M, “Identifying Concept-Drift in Twitter Streams”, Procedia Computer Science Volume 45, 2015, Pages 86–94 doi:10.1016/j.procs.2015.03.093), Mar 2015
- Prof.Dhanamma Jagli, Prof.Reshma Tawd, “QoS Based Performance Evaluation of Different TCP Variants in Wireless Communication”, International Conference & workshop on Emerging Trends in Technology 2015, Feb 2015 Accepted

Courses Attended by Faculty

- **NPTEL Certification Course**
- Internet Security (Anjali Yeole)
- **D-Link Certification Course**
- Mr. Prashant Kanade
- **Drupal 8, IIT Bombay**
- Mr. Vinayak Kachare, Mrs. Onkar A. S.
- **Neural Networks**
- Mrs. Indu Dokare, Mr. Prashant Kanade, Mrs. Sujata Kehdekar, Mr. Vinayak Kachre, Mrs. Priyanka Shah

Faculty Development Program

- Developing Dynamic Edge to Effective Communication.
- Intellectual Property Rights.
- Enhancing teaching learning experience.

Winter School on Project Management

- Winter School was conducted for final year students as a bridge course.