



October 31, 2015

Newsletter

Department of Computer Engineering

परिख्य

– A computation of dreams

Editorial

Evolving consistently and progressing towards realizing our aspirations is what every member of the department years for.

Awaiting you are a plethora of events, research work and developmental initiatives taken up by the department.

With the great reception of the previous edition of the newsletter, we present to you the second edition of our newsletter: “Parikhya– A computation of dreams.”

Message from Head of the Department

“Knowledge is a treasure, but practice is the key to it.”

Computer Engineering Department is focussed towards providing a rich teaching- learning culture and imparting quality education to students.

The department strives to produce globally competent technocrats and inculcate in students a respect for knowledge and team spirit with high ethical values.

In line with the vision and the mission, the department aims to nurture the technical skills, provide professional grooming and guide the students to be better and progressive individuals. The students are further encouraged to interact, compete, develop and exhibit their innovative ideas and skills.

In pursuit of excellence, I appreciate the efforts put in by the enthusiastic, dedicated faculty and the administrative staff who believe in *“Let's work together to build a brighter tomorrow”*.

Mrs. Gresha Bhatia
Deputy HOD, CMPN Department
gresha.bhatia@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.

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Contact Us

Editorial Team

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Department Strength

- 32 Qualified Faculties
- Research Publications: 57

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

- Mahalaxmi Temple Trust
- India Bulls
- TATA Scholarship
- Merit cum means by Gol
- PM Scholarship
- Indian Railways
- Narotam Sekhsaria
- Suman Ramesh Tulsani Trust
- Bhartiya Samaj Trust
- Vivekanand Jyoti Scholarship
- VES Charitable Trust
- Nischal Israni Scholarship

Program Educational Objectives

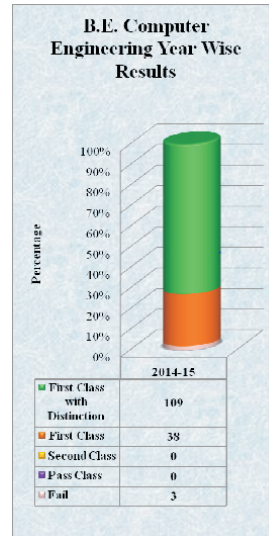
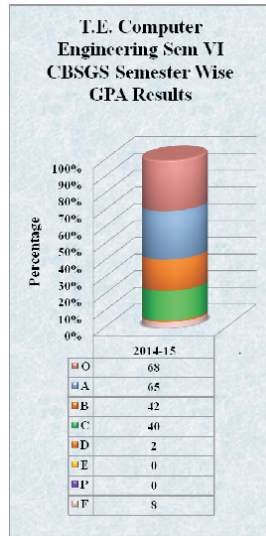
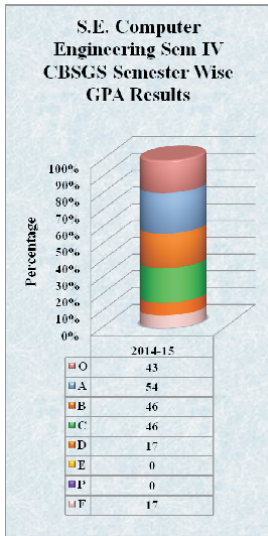
- To provide students with a solid foundation in their core concepts of mathematical, scientific and computer engineering and fundamentals required to comprehend, analyze and design solutions for real life problems.
- To inculcate in students, a balanced outlook with professional and ethical attitude, 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 semester examination conducted in May 2015



Placements

Our Recruiters

NOMURA

JPMorgan

DIEBOLD

MAQ SOFTWARE

accenture

Capgemini
CONSULTING. TECHNOLOGY. OUTSOURCING

L&T Infotech

KPMG

Statistics

- 71.86% of our department students placed.
- Maximum salary offered : 8.4 lakhs/annum
- Minimum salary offered : 3 lakhs/annum

Student

Internships-32.

- Oracle (Mumbai)
- Air India
- Red Hat, Inc
- Raymond Limited
- NPCIL
- Autodata Tech
- BARC
- Bharat Petroleum Corporation Ltd.
- BSNL
- L&T Ltd.
- RBI
- RCF
- TCS
- QualityKiosk Technologies
- Laughter Guru Ventures Pvt Ltd
- Velox Solutions
- EMC
- Lookup
- Reliance Jio
- Stupidsid

Entrepreneurial Activities

- Sprint

Mentor:

Prof. Prashant Kanade

Secured 2nd position in E-Jack event of tVEC.

Members:

Piyush Mantri
Radhakrishna Kamath
Hitesh Hinduja
Harishkandan S.
Kartik Jadhav

- Envisages in smart printing, bootstrapping on business process model.

Competitions

· Code for good

Ms. Priyasha Gupta
(Winner)



Exclusive Scholar Programme

· MeDoc

An interactive portal for pharmacists and doctors alike.

-Piyush Mantri

Exclusive Learners Programme

· Machine Learning from Coursera

Duration: 11 weeks

-Ishan Malhi

Product Development

· A web based java application for simplifying work at BPO for TATA BSS

-Shashank Agnihotri

· Website for the VESIT E-Cell

www.tvec.in

-Piyush Mantri

· VESIT Digital

-Deepika Singh T

-Sagar Bhojwani

-Piyush Mantri

Student Activities

Research Forum: Expert Lectures Conducted

- "Curiosity did not kill the cat (or) Why should you do basic research " by Dr. Dinesh K. Srivastava, Distinguished Scientist & Director Variable Energy Cyclotron Centre, Kolkata on August 6, 2015.
- "Quantum Cryptography – The advent of Quantum Computing " by Ms. Kanvi Parekh on October 1, 2015
- Statistics and Computer science : Project at Berkeley Univ. of California by Mr.Divyansh Saxena on October 1, 2015.

POGIL - Process Oriented Guided Inquiry Learning

- POGIL is a learning cycle of exploration, concept invention and application which is the basis for many of the carefully designed materials that students use to guide them to construct new knowledge.

Playfair Cipher, Hill Cipher, Vignere Cipher

- Lakshmi Addepalli
- Gowri Addepalli
- Harsha Jeshanani
- Kirti Madhwani

SHA - 512

- Nilesh Thadani
- Paras Singh
- Rachita Devakumar
- Deepika Rohra

Skill Enhancement Lectures

Second Year:

1. "Programming Language & Data Structures" by Prof. Rugved Deolekar, VIT Wadala
2. "Dictionaries / Disk based Data Structures" by Dr. Naveen Garg, IIT
3. "Introduction to Laravel" by Prof. Sanket Patel & Sandesh Patil
4. "Introduction to Python" by Sankalp Kohle & Akshay Khatri
5. "Advanced Digital Design - VHDL", by Harman Singh Somal, Design Engineer Agialed Technology Pvt. Ltd, Pune

Third Year:

1. "IT Global Trends and Triggers" by Mr. Subodh Gajare, Cisco, Bengaluru
2. "AJAX & JQuery" by Mr. Nayab Javad, CCIL

Final Year:

1. "Applications of Signal Processing" by Mr. Ankit Bhurane, VNIT, Nagpur
2. "Network Security Threats & Attacks" by Mr. Madhumita Chatterjee, PCOE, Panvel

*·Hostile
Environment Search
using Object
Rendering and Multi
agent Swarm
Intelligence*

*·Pothole
management system
using geotagging*

*·Application based
on Security using
Image Identification*

*·Determining
properties of rock
samples using Image
Processing*

**Quality
Improvement
Programme: Ph.D**

*- Prof.Sujata
Khedkar*

- Prof.Anjali Yeole

Faculty Forum

Courses Conducted

- Orientation on Cryptography and System Security by Dr.(Mrs.)Nupur Giri on July 21,2015 at VESIT, Chembur
- Orientation on Enterprise Resource Planning by Mrs. Gresha Bhatia on July 21,2015 at VESIT, Chembur
- Orientation on E-commerce and E-business by Mrs. Gresha Bhatia on July 31,2015 at Terna college.
- Cloudera Academic Training for Apache Hadoop by Mrs.Sujata K. for students of Computer department, MCA and Information technology department from 29th August 2015 to 5th October 2015

Courses Attended

1. Workshop on Business Intelligence Tools: July 10, 11, 31, August 1, 2015

- Dr. Mrs. Nupur Giri, Mrs. Gresha Bhatia, Mrs. Manisha Gahirwal, Mrs. Vidya Zope, Mrs. Priya .R.L, and Ms. Kajal Jewani on 10, 11, 31 July 2015 & 1st June 2015 at VESIT, Chembur.

2. Orientation of Network Threats and Attacks Laboratory: July 23, 2015

- Mrs. Dimple Bohra, Mrs. Arthi C.I. and Mr. Prashant Kanade at LTCOE, KoparKhairane

3. Orientation of Cryptography and System Security: July 21, 2015

- Mrs. Manisha Gahirwal and Mrs. Anjali Yeole on at VESIT, Chembur.

4. Orientation of Digital Signal Processing & Image Processing, July 17, 2015

- Mrs. Sharmila Sengupta and Ms. Kajal Jewani on at SPIT Andheri

5. Orientation of Artificial Intelligence: July 17, 2015

- Mrs. Sujata Khedekar at SPIT Andheri

6. Workshop on PCB designing and Arduino: July 6, 7, 8, 2015

- Mrs. Indu Dokare on 6th, 7th & 8th July 2015 at VESIT, Chembur.

NPTEL Online Course Certification

Duration : 3 Months (July 2015 to September 2015).

1. Mrs. Sharmila Sengupta

Course Description:- 3G & 4G Wireless Technologies
Organized by IIT Kharagpur

2. Mrs. Lifna C.S

2.1 Course Description: Design of Algorithms
Organized by : IIT Madras

2.2 Course Description: Computer Programming I
Organized by : IIT Kharagpur

3. Mrs. Abha Tewari

Course Description: Data Analytics
Organized by : IIT Madras

Faculty Internship Program

- Prof. Prashant Kanade interned at L&T Infotech, Powai from July 6 to July 17, 2015.