



Since 1962

Vivekanand Education Society's Institute of Technology

Department of Computer Engineering

Message
from
Department

Faculty
Contributions

Industry
Interaction

Student
Portfolio

परिचय

A computation of
dreams
Issue 6,
28th Oct 2017

HOD: Dr. Nupur Giri

The
Editorial
Team



Dr. Gresha
Bhatia



Mr. Richard
Joseph



Sanjay
Udasi



Sumit
Gagnani

Message From The Department



Mrs. Manisha Gahirwal

"The best preparation for tomorrow is doing your best today"

Computer Department, VESIT is growing in all aspects to achieve its Vision and Mission and we, as faculties, are extremely proud to be a part of it.

To bridge the gap between our curriculum and industry requirements, our department is encouraging students to participate in different activities. It advises students to concentrate more on curriculum, to prepare for placement, higher studies or research work. It also motivates students to prepare for different design and coding competitions, which would give them confidence and shape their technical career.

It would be ideal if the students face current challenges enthusiastically and participate in cross-disciplinary work that deals with real problems in industries and research organizations.

The success is hidden behind hard work, so work hard today to reach the door of opportunity and success.

So dear friends, *"Don't stop when you are tired, STOP when you are done."*

Our Vision

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

Our Mission

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.

Program Educational Objectives

- I. To provide students with a solid foundation in their core concepts of mathematical, scientific and engineering fundamentals required to comprehend, analyze and design solutions for real life problems.
- II. To inculcate in students, a balanced outlook with professional and ethical attitude, develop effective communication skills, teamwork and leadership qualities with multidisciplinary approach.
- III. 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, through global education and provide lifelong learning experience.
- IV. To provide broad educational and research experience through interdisciplinary and industrial collaboration programs.

Program Educational Objectives

- PO1 Basic Engineering knowledge:** An ability to apply the fundamental knowledge in mathematics, science and engineering to solve problems in Computer engineering.
- PO2 Problem Analysis:** Identify, formulate, research literature and analyze computer engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and computer engineering and sciences.
- PO3 Design/ Development of Solutions:** Design solutions for complex computer engineering problems and design system components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal and environmental considerations.
- PO4 Conduct investigations** of complex engineering problems using research-based knowledge and research methods including design of experiments, analysis and interpretation of data and synthesis of information to provide valid conclusions.
- PO5 Modern Tool Usage:** Create, select and apply appropriate techniques, resources and modern computer engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- PO6 The Engineer and Society:** Apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to computer engineering practice.
- PO7 Environment and Sustainability:** Understand the impact of professional computer engineering solutions in societal and environmental contexts and demonstrate knowledge of and need for sustainable development.
- PO8 Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of computer engineering practice.
- PO10 Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations and give and receive clear instructions.
- PO11 Project Management and Finance:** Demonstrate knowledge and understanding of computer engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- PO12 Life-long Learning:** Recognize the need for and have the preparation and ability to engage in independent and lifelong learning in the broadest context of technological change.

Program Specific Outcomes

- PSO 1. Professional Skills:** The ability to develop programs for computer based systems of varying complexity and domains using standard practices.
- PSO 2. Successful Career:** The ability to adopt skills, languages, environment and platforms for creating innovative career paths, being successful entrepreneurs or for pursuing higher studies.

Faculty Contribution

Faculty Development Programme



"Role Of Mathematics and Statistics in Engineering Field",
One week AICTE-ISTE approved STTP workshop , 3-8 July 2017

Courses Conducted

Keynote Speaker at STTP on " Practical approaches in Wireless communication' By Sharmila Sengupta At K J Somaiya College Vidyavihar 29th May -2nd june 2017	One Day STTP On IOT By Anjali Yeole At Thadomal Sahani College 3rd June 2017	Orientation Of DLDA and ECCF By Dr.Gresha Bhatia Mrs.Sharmila Sengupta At VESIT 19th July 2017	Orientation Of Discrete Mathematics By Mrs.Sujata Khedkar At Shah & Anchor College of Engineering 21st July 2017	Cloudera Academic Training for Apache Hadoop and Spark By Mrs. Sujata Khedkar At VESIT Semester
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Courses Attended

Orientation Of Java Attended By Vidya Zope Pooja Nagdev Abha Tiwari Arthi C.I. At K.C. College of Engineering On 13th July 2017	Orientation of DLDA And ECCF Attended By Indu Dokare Sonali Bapte At VESIT On 19th July 2017	Orientation Of Data Structures Attended By Lifna C.S. Yugchaya Dhote At VIT On 20th July 2017	Orientation Of Discrete Mathematics Attended By Lifna C.S. Abha Tiwari At Shah & Anchor College Of Engineering On 21st July 2017	Seminar On "Emerging Technologies In IT as a Software Tester" and Workshop on Selenium IDE Attended By Ankita Chaudhari Apurva Chaudhari Ronica Raj At VESIT 21th August 2017
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One Day Hands On Workshop On Python At IIT Bombay

Attended By

Priya R. L. Lifna C. S. Mukesh Yadav Sayli Baxi Richard Joseph Arthi C.I.

On 29th August 2017

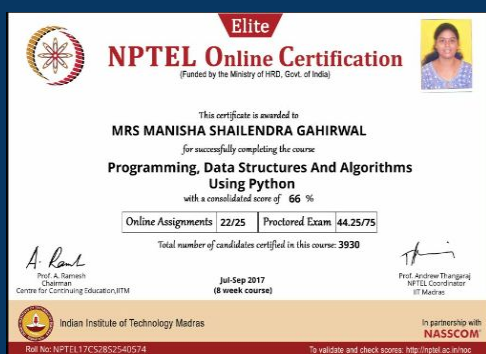
Minor Research Grants

16 faculty members of the department have applied for Minor Research grant in the domains of IOT, Machine learning, Data Science, Web Development and Network Security to Mumbai University on 19th August 2017.

Research Forum : Expert Talk

1. An expert talk on "IOT and IIOT", was conducted on 29th July 2017 by Mrs. Varsha Khade, BPCL Refinery
2. A session on "Information And Cyber Security" was conducted by Mr. R S Mundada, Ex. Associate Director E&I Group & Head, Computer Division, BARC on 7th August 2017.

NPTEL Video Courses



Elite
NPTEL Online Certification
(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to
MRS MANISHA SHAILENDRA GAHIRWAL
for successfully completing the course
Programming, Data Structures And Algorithms Using Python
with a consolidated score of **66 %**

Online Assignments	22/25	Proctored Exam	44.25/75
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Total number of candidates certified in this course: 3930

Jul-Sep 2017
(8 week course)

Prof. A. Ramesh
Chairman
Centre for Continuing Education, IITM

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Madras
In partnership with
NASSCOM

Roll No: NPTEL17CS282540574
To validate and check scores: <http://npTEL.ac.in/nc>



NPTEL Online Certification
(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to
PRASHANT VILAS KANADE
for successfully completing the course
Introduction To Modern Application Development
with a consolidated score of **54 %**

Online Assignments	16.5/25	Proctored Exam	37.5/75
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Total number of candidates certified in this course: 3756

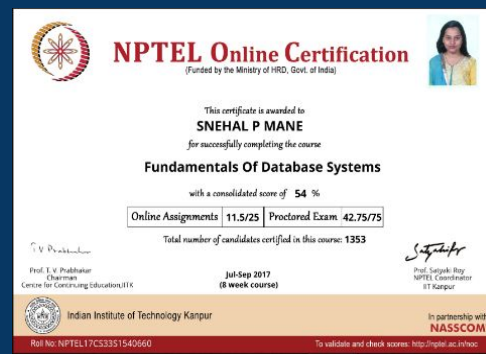
Jul-Sep 2017
(8 week course)

Prof. A. Ramesh
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Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Madras
In partnership with
NASSCOM

Roll No: NPTEL17CS4051540186
To validate and check scores: <http://npTEL.ac.in/nc>



NPTEL Online Certification
(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to
SNEHAL P MANE
for successfully completing the course
Fundamentals Of Database Systems
with a consolidated score of **54 %**

Online Assignments	11.5/25	Proctored Exam	42.75/75
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Total number of candidates certified in this course: 1353

Jul-Sep 2017
(8 week course)

Prof. J. V. Prabhakar
Chairman
Centre for Continuing Education, IITK

Prof. Sreyas Roy
NPTEL Coordinator
IIT Kanpur

Indian Institute of Technology Kanpur
In partnership with
NASSCOM

Roll No: NPTEL17CS3331540660
To validate and check scores: <http://npTEL.ac.in/nc>

Mrs. Manisha Gahirwal

Prof. Prashant Kanade

Mrs. Snehal Mane

Industry Interaction



**Dr.(Mrs.)Nupur Giri, Mrs.Priya R.L, Prof.Prashant kanade
Medialab Asia, ABM Knowledgeware, CSI HeadOffice,
6-7th Oct 2017**



**Mr. Richard Joseph, Mrs. Arthi C. I. ,Mrs. Sunita Suralkar and Mrs.
Mukesh Yadav ,FundTonic Sevrice Pvt Ltd, 14th Oct 2017**

Skill Enhancement Lectures



**"Salesforce", Mr. Manu Mahajan,
IT Analyst, TCS
4th August 2017, For 3rd year students.**



**"Applets,GUI and
JDBC Connectivity"
Mrs.Amruta Kulkarni,
Business Risk
Specialist, JP Morgan
Chase & Co.**

**Purva Joshi Senior Software Developer,
Sybase Pvt.Ltd. 7th October 2017,
For 2nd year students**



**"Laravel framework " Mr.Sanket Patel,
Administrative Head, Haplotech IT Solutions
28th September 2017
For 3rd year students.**



**"Software Defined Network"
Mr. Gaurav Sharma, PCE, 24th August 2017
For 4th year students**



**"Adaptive Learning,
Learning Technology, Data
Science and Education
Data Mining"**

**Mr. Mike Seiler,
Director - Learning
Technology,
Cengage Learning,
13th August 2017, For 4th
year students.**

- **"SAP Technicals" by Mr. Juheb Nadaf, Senior SAP Consultant, TCS on 8th August 2017 for Final Year Students**
- **"Information Security and Cyber Security" by Mr. R. S. Mundada, Ex. Associate Director - E&I Group, Head of Computer Division, BARC**

Student Portfolio

Academic Excellence



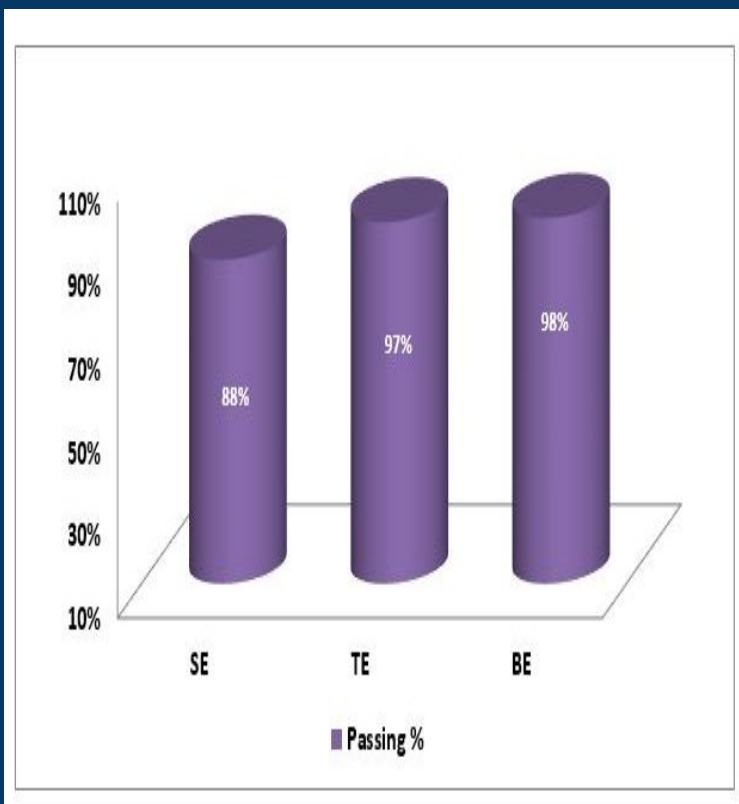
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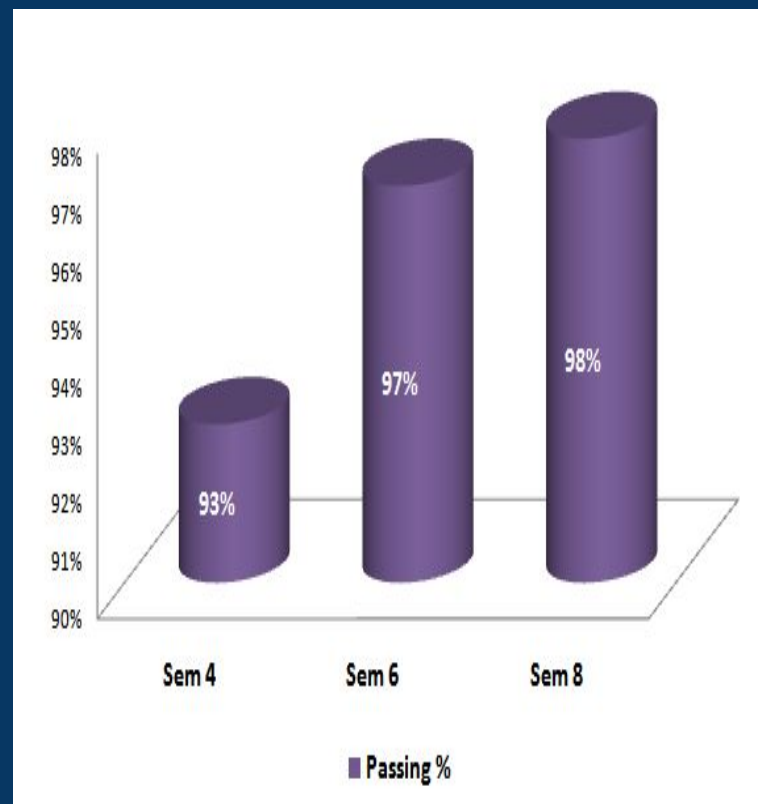
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Result Statistics



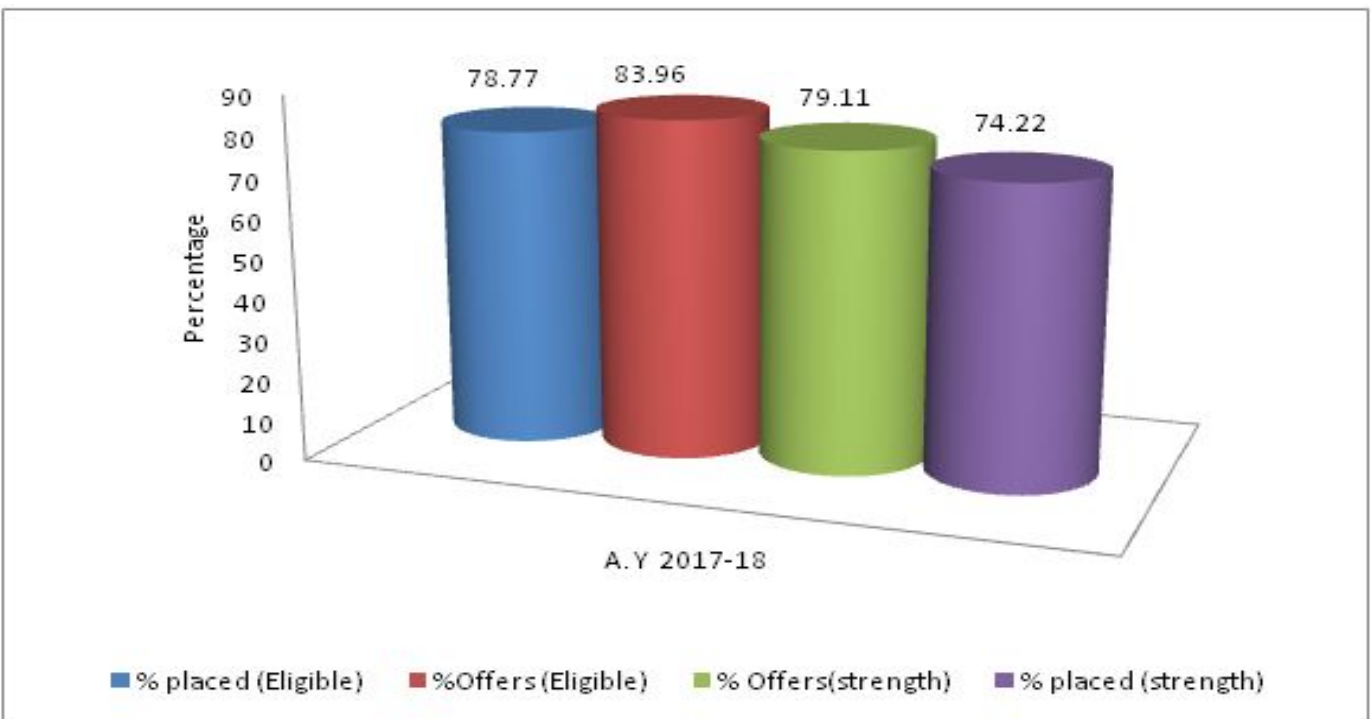
Pass Percentage for the academic year 2016-17



Pass Percentage - Even Semester 2016-17

Placement Statistics

- 78.77% of eligible students got placed.
- Bhavik Dand , DI7B , got three job offers with Accenture, TCS and MAQ.
- Highest salary offered is 8.3 Lacs/Annum.
- 21 students got dream Job offers.



- Paresh Kalinani from DI7C , Pooja More from DI7B, JPMC Code for Good Contest winners
- Tanmay Rauth from DI7C, JPMC Code For Good(CFG) contest runner up
- Tanmay Rauth , Ankit Shaw from DI7C , Nomura coding contest winners.
- 37 students got admitted for higher studies in Indian and foreign universities
- Yah Jahagirdar, DI7B scored highest marks of 336 in GRE

Our Top Recruiters



Senior Junior Interaction, 6th Oct 2017



Summer School



21 Students attended the six days workshop organized on "Internet of Things(IOT) using Arduino" from July 03-08, 2017 in collaboration with Revert Technology Pvt. Ltd. & Finland Labs in association with EDC - IIT Roorkee. Workshop session was taken by Mr. Bipul Kumar from Finland Labs.



33 students of 3rd year along with Dr. Gresha Bhatia, Prof. Vidya Zope and Prof. Abha Tewari attended a workshop on Machine Learning using Azure XML Studio and Cognitive Services, conducted by Mr. Chaitanya Verma and Mr. Mahendra Prasad Dubey Microsoft Ltd, Kalina campus, Mumbai on 14th of October 2017.

Industry Projects

Apex Kidney Foundation

Prediction Of
Hypertension Using
Machine Learning

Neeraj Jethnani
Mihir Waghle
Juhi Bhagtani
Aishwarya Chandak

Dr. Mrs. Gresha Bhatia

Cerelabs Pvt. Ltd

Cross Modal Human
Behaviour Analysis

Pratik Watwani
Pravin Tripathi
Ankit Shaw
Swastika Thakur

Mrs. Sharmila Sengupta

BMC,Chembur

Prediction of Water
Logged Areas

Abhijeet Bhattacharya
Shripad Laddha
Nitin Pandey
Neeraj Premani

Dr. Mrs. Gresha Bhatia

Haplotech IT Solution

CloudBase Banking
Software

Manjiri Bhat
Romit Bonkar
Narayan Mundhara
Monal Daswani

Mrs. Anjali Yeole

Sequertek IT Solutions

Anomaly Detection
Using Machine Learning

Aditya Subramaniam
Karan Chhabria
Yash Shahani
Vedant Yadav

Mrs. Vidya Zope

JNPT Hospital

Predictive Analysis in
Pregnancy Analysis

Pratik Nichat
Deepesh Garg
Deepanshu Garg
Shruti Sindhi

Mrs. Rupali Hande

Kias Technology

PrintEase- A Smart
Printing Application

Simran Dembla
Suren Sughand
Deepika Khitani
Akshata Mohite

Mr. Richard Joseph

VIMERSIA

Brain Control With
Virtual Reality

Baljit Singh
Ameya Bhave
Manas Gangwani
Sashwin Adwani

Mrs. Yugchaya Dhote

spRdh (स्पर्ध)

Engage, Perform and Compete through Project Ideas

Looking Beyond
Safety

Ankit Kumar
Dalal,Pratik Bhatia
and Namita Nair

Mr.Richard Joseph

A Luggage carrying
user following robot

Sanket Paratkar,Nishit
Ahuja,Smit Gangurde

Dr.Nupur Giri and
Mrs.Indu Dokare.

NGO Connect

Chinmay
Mahale,Soham
Dighe,Akash
Narang,Trupti Kamat

Dr.Gresha Bhatia.

Pandora's Box: A
Smart Vault

Sunmay
Agharkar,Kunal
Jagasia,Nishant
Shankar,Labesh
Valechha

Mrs.Anjali Yeole

Smart Architecture

Vedant S. Wakalkar,Vinayak R.
Jain,Pritam Kore,AKshay
Mohite

Mrs.Abha Tewari.

Unclog the city

Grishma Gurbani
Sanket Gokhale,Smruti
Kshirsagar,Chinmay Sankhe

Mrs.Manisha Gahirwal

Home Automation

Deepesh Sidhwani,Avinash
Sidhwani,Nilesh Bhatia and
Abhishek Chhabra

Mrs.Priya.R.L

Smart Electronic
Health Record
System

Siddarth Dekhane
Kaushik,Vishwanath,
Kaushal Mhalgi,
Vedant Mistry

Mr. Prashant Kanade.

Object Recognition
Integrated in smart
cane

Pankaj Ahuja,Vinay
Bhatia ,Kamal
tekchandani and
Hitesh Vaswani

Mrs.Kajal Jewani

Inactive Account
Handler
Application

Tushar Jumani ,Saili
Kadam,Ajinkya Pawale
and Rahul Dhameja

Mrs.Vidya Zope

Electricity
consumption and
home automation

Samujjwaal
Dey,Ashish Joshi ,N.
Sai Sirisha and
Gurpreet Singh

Dr.Gresha Bhatia

GST Calculator

Sukhwinkersingh ,Ankur
Gokhale,Sagar Madnani
Sahil Bhatia

Mrs.Rashmi Patel

Societino

Juhi M Bansinghani,Riya
Bathija,Ruchika Daryani
Trena V Dhingra

Mrs.Yugchhaya Dhote

Algorithm reader and
converter to source code of
different Programming
languages

Sanika Vikas Chavan, Reema
Gopal Israni,Dishank Poddar
and Saurabh Satavaleka

Ms. Arthi C I, Ms. Samruddhi
Yadav

Engage, Perform and Compete through Project Ideas

E-Commerce Product Analysis

Saurabh Sahu
Somil Singh
Sagar Wadhwa

Mrs. Ankita Chawdhari

E-Pharmacy

Rahul Shamdasani
Sagar Raisinghani
Deepa Chanchlani
Priyanka Narwani
Mahima Motwani

Mrs. Priya R. L,
Ms. Mayuri Tharval

Mineseeker

Anirudh Roy
Sanket Paratkar
Shashank Parande
Aditya Pathak

Mrs. Richa Sharma

Lingua Explicitus

Sumeet Sarode
Atharva Pandit
Lakhan
Rangwani
Jitesh Watwani
Harsha Tolani

Mrs. Shweta
Reddy

Parking Allotment System

Nikhil Dalvi
Harsh Mulchandani
Vivek sohal
Rushi Yawalkar

Mrs. Mukesh Yadav

Smart Mirror

Ashish Chandwani
Shubham Gaikwad
Binoy Saha
Sandeep Sahani

Mrs. Snehal Mane,
Ms. Akanksha Magare

VESLITang

Yash Jain

Mrs. Lifna C.S.i

Drive With Ease

Ketaki Buwa
Abhiruchi
Bhattacharya
Ariscia Mendes(
Padmaja Borwankar

Mrs. Poonam Gholap
Mrs. Apurva
Chaudhari

Nishabdh

Rahul
Jaisinghani
Rohit Kriplani
Anuj Chanchlani
Dipen Chawla

Mrs. Sunita
Sahu

Automated Traffic Control System

Priyanka Bhatia
Himani Keswani
Malvika Khatri
Bhavesh Motiramani

Mrs. Pooja Nagdev

Women Empowerment Plan

Ashwini Patil
Shubham singh

Mrs. Sayli Baxi
Mrs. Sonali Bapte

In/Out Time maintenance system for library

Tarasha Agarwal
Perna Baliga
Piyush Mangtani
Pratik Talreja

Mrs. Sunita Suralkar

Cardiac MRI Segmentation using Deep Learning

Raksham Pandey
Nayan Jain
Gayatri Shinde

Mrs. Sujata Khedkar

Quality checking using Image processing

Jigisha Prajapati
Krutika Prasalkar
Sakshi Subedi
Sharayu Patil

Mrs. Sharmila
Sengupta,
Ms. Swati Sharma

Need a Labourer?

Mitesh Goplani
Rahul Sawra
Muskan
Raisinghani
Shefali
Athavale

Mrs. Rupali
Hande

Looking Beyond syllabus

Society Connect

Juhi Bansinghani
Reshma Sawlani
Purna Lokwani
Trena Dhingra

Traffic signal Management

Abhishek Chhabra
Tarasha Agarwal
Sanjeev Chintakindi
Gayatri Ganpathy

IOT in automobiles

Ketaki Buwa
Rakshil Ganwix

Robo-arm

Umesh Ramchandani
Sarthak Dadhakar
Shubham
Ashish Chandwani

Smart Healthcare Monitoring System

Sugam Devare
Saket Ozarkar
Raj Chetwani
Rishikesh Kadam

Event Management and Monitoring

Ashwin Soni,
Shaunak Baradkar,
Sumeet Sarode,
Aditya Bhatia

Agrotech

Sumeet Sarode
Ashwin Soni
Shaunak Baradkar

Alumni Interaction



Mr. Venkatesh Ramaswamy, Senior Engg Manager, eBay California, Batch 2001
Mr. Kuntal Joishier, Mountaineer, Mt. Everest, Mr. Avinash Ghatke, Executive Teaching Faculty, MBA students, Panel Discussion, 21st August 2017

Extra Curricular Activities

Poster making competition on "Ganga Rejuvenation using IoT"

Sujay Varma, Sharayu Patil, Kasturi Ghadge, Girisha Navani, Nitya Shetty

3rd Prize

Organised By KJSIEIT, Sion

8th September

Times Of India Intra College Debate

Shashank Agnihotri

Best Speaker and Runner Up

Organised By VESIT, Chembur

15th september

TCS CodeVita

Himanshu Rawlani

Placement offer from TCS

Online event Organised By TCS

28 & 29th July

Error 404 Hackathon

Sarthak Dadhakar

3rd Rank

At Sabu Siddique

7th & 8th October

Mumbai Hackathon

Sarthak Dadhakar

2nd Rank

Online Event

In month Of July

Crackathon

Sanket Paratkar Devendra Chaudhari

Finalist

Organised By K J Somaiya Vidyavihar

7th October

TCS CodeVita

Vignesh Zambre

503 Rank Qualified for Round 2

Online event Organised By TCS

28 & 29th July

Drona

Anirudh Roy Juhi Bansinghani

Qualified for Level2

IIM Indore

8 & 9th October

Kaushin 2017

Aishwarya Chandak

Qualified for level 2

Nomura

In month of September and October

JPMC Code for Good

Jayesh Satia

Top 7 (team)

Organised By JPMC

29 & 30th July



Scholarships Received

Total number of students : 100+

Received scholarships from :

- 1]India Bulls
- 2]Tata Scholarship
- 3]VES Education Fund
- 4]Geeta Israni Foundation Scholarship
- 5]Suman Ramesh Tulsiani Charitable Trust

Industry Internship

Total number of internships : 45

- | | | |
|---------------------------------|----------|---------------------------------|
| 1]FOCALWORKS] | Vimersia | 10]Aashansh Foundation |
| 2]HPCL | | 11]Audera Inc. |
| 3]Prime Focus Technology | | 12]Mysra Technologies Pvt. Ltd. |
| 4]Air India | | 13]Creative Flu |
| 5]Globotechs | | 14] Nuclei Technologies |
| 6]TCS LTD | | 15]Sequiretek IT Solutions Pvt. |
| 7]Story Mirror | | 16] SR Counselling India |
| 8]Codebreak | | 17]M-Intellect |
| 9]Bhabha Atomic Research Centre | | |