



VIVEKANAND EDUCATION SOCIETY'S INSTITUTE OF TECHNOLOGY

Department of Computer Engineering

परिचय

A Computation of Dreams

April 2019 • Issue 9

Message from the Department



Mrs. Indu Dokare

“But today our very survival depends on our ability to stay awake, to adjust to new ideas, to remain vigilant and to face the challenge of change.”

– Martin Luther King Jr.

Every success story is a tale of constant adaptation, revision and change. The world has grown phenomenally in the past few years and technology has become an integral part of our lives. Computing plays a significant role not only in solving different kinds of engineering and technological problems but also in satisfying the societal needs. The department endeavors to contribute to these advances through teaching and research in the field of computer engineering. Trying to provoke positive change, is a principle, we have embedded in the department. We believe in challenging ourselves to learn new technologies. With this belief, the department takes a lot of initiatives in promoting research, innovation and application development. This newsletter highlights the department's efforts through its various activities and events.

Our Vision

To create center of excellence in computing by imparting quality education for developing competent professionals.

Our Mission

To provide enabling environment through excellence in teaching and learning to contribute towards industry and society.

To promote and strengthen interdisciplinary approach in innovation, creativity and research.

To facilitate productive employment and higher studies with entrepreneurial attitude and professional ethics.

What's Inside

Faculty Contributions

Student Portfolio

Faculty Contribution

Courses Conducted for faculty

Short Term Training Programs

FDP on "AI and Deep Learning with NVIDIA", organized by VESIT and Leading India AI, 16th Feb - 18th Feb 2019, (3 Days)

Moodle Workshop by IIT, Spoken Tutorial, organized by VESIT and IIT, 15th March, (1 Day)

Orientation Program Conducted

Dr. Nupur Giri, conducted Orientation for "Computer System Security and Lab", "Advanced Computer Networks", "TE Mini Project".

Dr. Gresha Bhatia, conducted Orientation for "Advanced DBMS", "ERP", "Machine Learning".

Workshops/Courses Conducted By Faculty

◆ **Dr. Gresha Bhatia** conducted workshop on Moodle Workshop by IIT, Spoken Tutorial organized by Remote center VESIT, Mumbai, 15th March 2019

◆ **Mrs. Sujata Khedkar** conducted workshop on Cloudera Academic Training for Apache Hadoop and Spark organized by VESIT, 16th Jan - 29th Jan 2019

◆ **Mrs. Sujata Khedkar** conducted

session on "Big Data with Spark" in STTP on "Recent Trends in Data Science" organized by Padmabhusan Vasantdada Patil Pratishthan's College of Engineering (PVPP-COE), 1st January 2019

◆ **Mrs. Anjali Yeole** conducted a session on "Demo of Google Suite" organized by VES, 8th February 2019

Courses Attended by Faculty

Faculty members of the department attended different 49 orientations, faculty development programs and short term training programs during this semester.

Research Papers Published

Faculty members of the department along with students have published **59** different papers in National/International Conferences and National/International Journals.

1. Faculty Contribution

1.1 Courses conducted

1.1.1 Short Term Training Program

1.1.2 Orientation Program

1.2 Workshops/Courses Conducted

1.3 Courses Attended

1.4 Research Papers Published

1.5 Skill Development Activities

1.6 Research Forum Activities

1.6.1 Workshop conducted for students

1.6.2 Expert Talks

1.6.3 Minor Research Grant Proposals

1.6.4 Industry Interactions

Skill Development Activities

Certification Exams

NPTEL

Two faculties have enrolled for NPTEL Certification (Jan—March 2019); Five faculties have successfully completed NPTEL certification (July— Oct 2018) :

- ⇒ Mr. Prashant Kanade - 'Marketing Management',
- ⇒ Mrs. Sunita Suralkar - 'Information Security -5, Secure Systems Engineering'
- ⇒ Mrs. Abha Tewari - 'Discrete Mathematics' with 74%
- ⇒ Mrs. Lifna C S - 'Social Networks' with 78%
- ⇒ Mrs. Kajal Jewani - 'Digital Image Processing' with 87%
- ⇒ Mrs. Nagdev Pooja - 'Discrete Mathematics' with 79%
- ⇒ Mrs. Pallavi Saindane - 'Introduction to Programming in C' with 81% (5% Topper)

Research Forum Activities

Workshops Conducted for students

Osheen Chavhan
Founder, CEO at InfiSpark
Microsoft Student Partner, conducted workshop titled "Microsoft Azure Machine Learning Workshop", 11th Mar & 12th Mar 2019



Nair Kaushik Vishwanath,
Ankit Kumar Dalal,
Siddharth, Kaushal,
Namita, Ankit, Abhishek (BE Students), conducted workshop titled "Blockchain" by organized by Code Cell, 3rd April 2019

Expert Talks

- An expert talk on 'Super Computing' by Dr. Vaibhav Kumar, BARC, Mumbai was organized by research forum for CMPN faculties on 13th July 2018
- An expert talk on 'Quantum Computing' by Dr. Vijayaraghavan, TIFR, Mumbai was organized by research forum for CMPN faculties on 24th July 2018
- An expert talk on 'Machine Learning based Spam Filtering and Detection' by Mrs. Abha Tewari, Assistant Professor, VESIT was organized by research forum for CMPN faculties on 10th Apr 2019
- An expert talk on 'Business Aspects of Deep Learning & AI' by Mrs. Ishita Chakraborty, Research Associate, Yale University was organized by research forum for CMPN faculties on 16th Jan 2019

Minor Research Grant Proposals

Mrs. Anjali Yeole received grant of **Rs. 30,000/-** for project 'Smart Locker' from Mumbai University

Mrs. Indu Dokare received grant of **Rs. 25,000/-** for project 'Autonomous Luggage Carrying Robot using Image Processing' from Mumbai University

Ms. Sunita Suralkar received grant of **Rs. 30,000/-** for project 'Garuda: The Intelligent Ornithopter' from Mumbai University

Mrs. Rupali Hande received grant of **Rs. 40,000/-** for project 'Transparent and trackable Donations using blockchain' from Mumbai University

Industry Interactions

Mrs. Indu Dokare has Attended the TCS Codevita season 7 grand finale on 27th February 2019 at TCS Olympus, Thane

Dr. (Mrs.) Nupur Giri will be attending Microsoft AI for earth May-Summit May14,15,16 May 2019

Student Portfolio

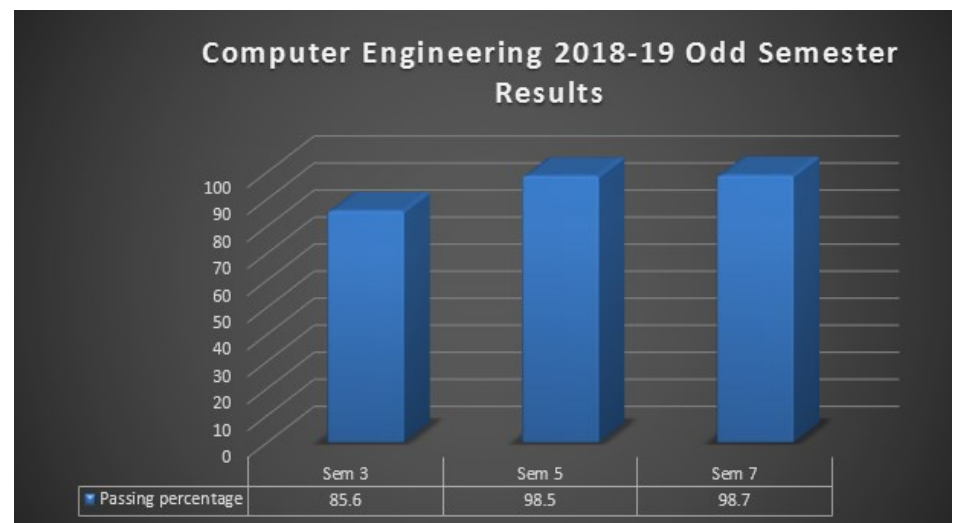
Student Achievements

Academic Excellence

With an overall pass percentage of 98.75 % for the 2018 passed out batch, the top three Computer department rank holders are:

- Ghadge Rushika (D17B) has secured 1st rank with CGPI 9.45
- Bhattacharya Abhijeet (D17B) have secured 2nd rank with CGPI 9.43
- Khatwani Kajal (D17B) have secured 2nd rank with CGPI 9.43
- Khitani Deepika (D17B) has secured 3rd rank with CGPI 9.4

CMPN Pass percentage Odd Sem (2018-2019)



Placements Statistics and Higher Studies

Placements: Summary

31 companies visited in the campus till the date

85.16 % of eligible students got placed till date.

Highest salary offered is 11 Lacs/ Annum.

Average salary offered is 5.5 Lacs/ Annum

45 students got dream job offers.

Higher Studies: Summary

During academic year 2017-2018 , **26 Students** got admitted for higher studies in various Indian and foreign universities like Management Studies, New Delhi, Vishwashwaryya National Institute of Technology, Nagpur , University of Illinois, Chicago, Dartmouth College , University of Illinois, Chicago, University of Illinois, Urbana Champaign, Indian Institute of Management Kozhikode, IIMK, Carnegie Mellon university, University of Illinois, Urbana Champaign, Pennsylvania state university, IIM Indore, Stevens Institute of Technology etc..

Placements Activities :

Seminars Conducted:

- 'Agile methodologies' by TCS for TE students on 12/1/19
- 'Role and responsibilities of placement coordinators' for TE students on 11/1/19 and 15/1/2019
- 'Changing Attitude & its Impact on Career Growth' by Ms. Dhanashree Kulkarni, Capgemini for TE students on 18 Jan 2019
- 'Steering interview' for TE students on 22/1/19 and 23/1/2019
- 'Transaction Analysis' for TE students on 29/1/19 and 30/01/2019
- 'Accenture Diversity Event' by Ajaykumar Hiremath, Representative from Accenture for TE girls, BE Accenture placed students students on 11/3/19
- 'Sr. Jr. Interaction' by Placed students & Placement coordinators for SE & TE students on 22/3/2019 and 30/03/2019
- 'IAS lecture' by Dr. Ravindra Shisve, IPS (Additional Commissioner Of Police, Mumbai) Dr. Ujjwal Kumar Chavan, IRS (Deputy Director- Enforcement Directorate) Mr. Bhushan Deshmukh (Director - Lokayan IAS Academy) for TE students on 30/3/2019

Visit to campus for attending event :

Final year JPMC placed students visited JPMC on 12th April 2019.

Placement coordinators and faculty visited TCS Code-Vita Season 7 grand finale at TCS Olympus, Thane on 27/02/19

Student Participation

Certification Programs : 193 students have successfully completed Oracle Certification

Project Innovations

Industry Project

- Prerana Shah(D17A), Mansi Khamkar(D17A), Ashish Chandwani(D17A), Reshma Khot (D17B) are doing industry project titled 'Stuttering Therapy System' with Prerana Shah under guidance of Dr. Gresha Bhatia
- Umesh R Ramchandani(D17A), Juhi M Bansinghani(D17A), Sarthak J Dadhakar(D17A), Trena V Dhingra(D17A) are doing industry project titled 'Dyscalculia Detection With Artificial Intelligence with BYL Nair Ch Hospital under guidance of Prof. Sharmila Sengupta

Skill Development Activities

Skill Enhancement Lectures (SEL)



An expert talk on 'Introduction to DevOps' by Mr. Shyam Khandarkar, Sr. Trainer, IT Consultant, RHCSA RHCE, DevOps on 4th April 2019 for Second year students.



An expert Talk on 'Introduction to Analytics' by Ms. Ashwini Chinchwale, Sr. SAS TRainer, SAS Base, Advance BI, on 4th April 2019 for Final year students.



An Expert talk on 'Introduction to Machine Learning, Deep Learning and Artificial intelligence' by Mr. Shubham Bisht, Research fellow, IIT- Bombay on 31st Jan 2019 for third year students.

NPTEL

21 NPTEL video Lectures have been conducted for various classes towards skill enhancement activities.

You have to grow from the inside out. None can teach you, none can make you spiritual. There is no other teacher but your own soul. — Swami Vivekananda

Co-Curricular Activities

Participation in Inter College Competition

Smart India Hackathon 2019 :



Problem Statement : AI for Farmers
Winning Amount : Rs. 1,00,000/-



Problem Statement : Mobile application to get RCS flight seat availability/ Fare/ Departure/ Destination in real time
Winning Amount : Rs. 1,00,000/-



Problem Statement : Management of material during Disaster- receipt, availability, movement and its receipt to the last person
Winning Amount : Rs. 75,000/-



Problem Statement : Farm Input Calculation
Winning Amount : 50,000/-



Winning amount Rs. 5000/- and a Drone Kit in E-Yantra 2019 Regional finals.

Deep Blue Achievements: Utilization of Public Toilets (D12C) n Top 9 ,Citizen Service Problem (D12C) Special Mention in Finals



Deep Blue in news (HINDUSTAN TIMES,14th JAN 2019)

Co-Curricular activities

Participation in Intra College Competition

PRADARSHAN '19 Winners (28th March 2019) (B.E) / (T.E)

Prediction for Thyroid Disease Detection of Elderly People - First prize(D17A)

Rahul Sharmadassani
Sagar Raisinghani
Mahima Motwani
Amit Bahreja
Mentor
Mrs. Priya R.L

GekkoSays
First prize(D17B)

Rahul Soshte
Neerja Talreja
Vardhaman Roman
Anirudh Roy
Mentor
Mrs. Anjali Yeole

Edu coin
Second prize(D17C)

Abhishek Chhabra
Ankit Kumar Dalal
Namita Nair
Mentor
Dr. Mrs. Nupur Giri

Visual Classroom
Second prize(D17B)

Nikhil Dalvi
Ajinkya Pawale
Vivek Sohal
Roshan Talreja
Mentor
Mrs. Sunita sahu

IoT Based Automatic Solar Panel Monitoring System Third prize(D17A)

Hemangi mungad
Shradha Agrawal
Kunal Ghorapade
Saurabh Verma
Mentor
Mrs. Indu Dokare

Detection and Classification of Inanimate Objects

First prize(D12A)

Chinmay Sankhe
Chandan Bhangale
Bhavesh Ahuja
Austin Coutinho
Mentor
Mrs. Sujata Khedkar

Smart Libraries
Second prize(D12B)

Dhaval Bagal
Sayali Panchal
Snehal Keni
Dhiraj Chavan
Mentor
Mrs. Pallavi Saindane

Autonomous free ranging stretcher in unknown terrain

Third prize(D12C)

Shruti Singh
Srishti Sewatkar
Bhavesha Talreja
Abdus Samad A Shaikh
Mentor
Mrs. Anjali Yeole

Sahaya :A Girl Adoption Management System
Third prize(D12C)

Nikhil Ghind
Akshay Navani
Jatin Sumai
Ashnil Vazirani
Mentor
Mrs. Sharmila Sengupta

Classification Of ISL Hand Gesture Using Machine Learning Third prize (D12A)

Abhiruchi Bhattacharya
Padmaja Borwankar
Kasturi Kumbhar
Ariscia Mendes
Mentor
Mrs. Vidya Zope

Pothole Detection And Analysis

Third prize(D12A)

Raj Chetwani
Sugam Devare
Sumeet Haryani
Saket Ozarkar
Mentor
Mrs. Indu Dokare

AI For Earth

AI for farmers

First Prize(D17B)

Pankaj Ahuja
Devendra Chaudhari
Sanket Paratkar
Akshaya Patil
Mentor
Dr. Mrs. Gresha Bhatia

Disease Migration Prediction

Second Prize (D12C)

Sanika Chavan
Ritika Sethiya
Reema Israni
Raghav Heda
Mentor
Dr. Mrs. Nupur Giri

Catchment Control

Third Prize(D12B)

Grishma Gurbani
Akash Hasamnis
Sanket Gokhale
Rishil Kirtikar
Mentor
Mr. Richard Joseph

Paper Presentation (Buzzpro)

Librany-A Face Recognition
and QR Code Technology
Based Smart Library
System

First Prize(D12B)

Snehal Keni
Dhiraj Chavan
Dhaval Bhagal
Mentor
Prof. Pallavi Saindane

Farmers Aid

Second Prize (D12C)

And
Best Innovation

Ajay More
Jairaj Khushalani
Sachin chandwani
Mentor
Mr. Prashant kanade

Plantopia-Plant Identifica-
tion Using Image Pro-
cessing

Best Presentation (D12A)

Nitin Tetuja
Gautam Meghani
Paramvir Ramola
Tarun Methwani
Mentor
Mrs. Abha Tewari

Co-curricular

Participation in Inter College Competition

- Marisha Talreja(D12A) has participated in 'workshop training in SQLite and Python' on 06-02-19 organized at 404,Ishan Arcade-2 , Gokale Road, Thane(w)
- Nayan Jain(D17A) has participated in 'Paper Presentation' on 09/01/19 organized at Pillai Engineering College, Panvel
- Shubham Parulkar, Dhiraj Sajnani (D17A) has participated in 'Paper Presentation' on 09/01/19 organized at CTFC
- Faizanshah Raouf Ansari (D12C) has participated in 'Avishkar'19: Paper Presentataion' on 02/01/19 organized at K.J. Somaiya Institute of Engineering anf Information Technology, Sion(E)
- Chandan Bhangale (D12C) has participated in 'Smart India Hackathon' on 02/03/19 organized at IIT Bhilai (Raipur)
- Raj Chetwani (D12A) has participated in 'Deep Blue Season 4' on 16/02/19 organized at Mastek,Millenium Park,Mahappe
- Rishikesh Rajesh Kadam (D12A) has participated in 'Mumbai Hackathon' on 16/03/19 organized at Don Bosco Institute Of Technology
- Abhiruchi Bhattacharya, Austin Coutinho (D12A) has participated in 'Smart India Hackathon' on 02/03/19 organized at IIT Bhilai (Raipur)
- Chandan Bhangale, SAKET SUNIL OZARKAR, Sugam Devare (D12) has participated in 'TSEC Hackathon' on 06/02/19 organized at TSEC
- Chandan Bhangale (D12C) has participated in 'National level Hackathon Techathon 2019' on 04/04/19 organized at RAIT, NERUL NAVI MUMBAI
- Sugam Devare (D12A) has participated in 'Project Deep Blue' on 16/02/19 organized at Mastek Millennium Centre, TTC, Millenium Business Park, Mahape, Navi Mumbai
- Sugam Devare, SAKET OZARKAR, CHIRAG NAGPAL (D12A) has participated in 'Hackit' on 02/02/19 organized at K. J. Somaiya College of Engineering
- YOGITA BALANI (D17B) has participated in 'Eyantra Ideas Competition' on 21/02/19 organized at Somaiya College, Vidyavihar and in 'Smart India Hackathon' on 02/03/19 organized at Chitkara University, Punjab
- Manav Motwani, Aadarsh Ahuja (D7B) has participated in 'Chatbot BootCamp' on 23/03/19 organized at KJSCE, Vidyavihar
- Tanvi Shinde (D7C) has participated in 'I-hack' on 10/01/19 organized at IIT Bombay
- Bhavika Valecha, Simran Bhagwandasani (D12A) has participated in 'Smart India Hackathon' on 02/03/19 organized at Sathyabama insitute of technology(chennai)
- Hitesh Thakur (D12C) has participated in 'Bitcamp-Hackathon' on 30/03/19 ,RAIT

Participation in Intra College Competition

- Sakshi Vivek Parab(D12C) has participated in 'IEEE - Technical Paper Presentation' on 05-02-19 organized at VESIT
- Nihar Kalsekar, Nikhil Joshi(D7B) has participated in 'IEEE - Technical Paper Presentation' on 05-02-19 organized at VESIT
- Srivatsan Iyengar(D7A) has participated in 'PHP Workshop' on 25-01-19 organized at VESIT
- Nikhil Joshi(D7A) has participated in 'PHP Workshop' on 25-01-19 organized at VESIT
- Nikhil Joshi(D7A) has participated in 'ML Workshop' on 23-04-19 organized at VESIT
- Srivatsan Iyengar, Hritvik Pawar, Ankush Shetty, Jatin Bhagchandani, Nihal Bhandary, Aadarsh Ahuja, Manav Motwani, Vivek Choudhary, Gayatri Patil, Purva Badgujar, Sahil Motwani, Raj Chavan(D7) has participated in 'Syrus Hackathon' on 14-03-19 Ishma Amin, Faizanshah Raouf Ansari, SAKET OZARKAR, Sugam Devare, Austin Coutinho, Sumeet Haryani, Hitest Thakur(D12) has participated in 'Syrus Hackathon' on 14-03-19 organized at Vesit cmpn dept
- Chandan Bhangale(D12A) has participated in 'Syrus Hackathon' on 15-04-19 Amit Bahreja(D17A) has participated in 'Pradarshan' on March, 2019 Namita Nair(D17A) has participated in 'Pradarshan' on March, 2019 Shradha Agrawal, Kunal Gorapade, Himangi Mungad(D17A) has participated in 'Pradarshan' on March, 2019 organized at Vesit cmpn dept
- Anuj Chanchlanil, Mohd Danish, Sandeep Sahani, Ajinkya Pawale, Austin Coutinho, Abhiruchi Bhattacharya, Padmaja Borwankar(D17A/B) has participated in 'Pradarshan' on March, 2019 organized at Vesit cmpn dept
- Raj Chetwani, Sumeet Haryani(D12) has participated in 'Pradarshan' on March, 2019 Dipen Chawla(D17A) has participated in 'CricoMania' on March, 2019 Kaushik Vishwanath(D17A) has participated in 'Technology Day' on March, 2019 Devendra Chaudhari(D17A) has participated in 'Smart India Hackathon' on March, 2019
- Gunjan Gurbani(D17B) has participated in 'Mastek DeepBlue' on March, 2019
- Rishikesh Rajesh Kadam, Vishakha Vidhani(D12A) has participated in 'Oracle Academy' on 28/01/19 organized at Vesit cmpn dept
- Rishikesh Rajesh Kadam, Vishakha Vidhani, Anushree Pradipkumar Bane, Bhavika Valecha(D12A) has participated in 'Buzzpro' on 28/03/19
- Namita Nair(D17A) has participated in 'Buzzpro' on 04/04/19
- Vishakha Vidhani(D12A) has participated in 'Hidden Cipher' on 23/01/19
- Anushree Pradipkumar Bane(D12A) has participated in 'Hidden Cipher' on 23/01/19
- Raghav Ratnakar Potdar,Rahul Sohandani(D7B) has participated in 'Technovation'19' on 20/03/19
- Anjali Amin(D7B) has participated in 'Oracle Certification' on 02/02/19

Extra-curricular

Participation in extra-curricular inter college competitions

Rushikesh Salve (D12A) has participated in 'University of Mumbai intercollegiate cricket tournament' on 06/03/19 organized at Oval maidan, University of Mumbai

Participation in Intra College Competition

- Reuben Thomas (D7A) has participated in 'CSI Lan Gaming(CSGO) 2019' on 25-01-19
- Reuben Thomas (D7A) has participated in 'Sphurti 2019 - Volleyball' on 10-02-19
- Prathamesh Pental (D7C) has participated in 'VESIT Premier League 2019' on 25-03-19
- Tushar Chotlani, Sarthak Dadhakar (D17A) has participated in 'VESIT Premier League 2019' on 25-03-19
- Vishal Wadhvani, Gaurav Ail (D17) has participated in 'VESIT Premier League 2019' on 25-03-19
- Rushikesh salve (D12A) has participated in 'VESIT Premier League 2019' on 26-02-19
- Reuben Thomas (D7A) has participated in 'Illusion' 18' on 17/01/19
- Nihar Kalsekar (D7B) has participated in 'LAN GAMING' on 12/02/19

Industry Visits: (Infosys: Bangalore)

An industrial visit to **Infosys Technologies Limited , Banglore** for second year and third year students during 1st January 2019 to 5th January 2019.



Industry Internship Programs:

Total 38 students have completed internship under VRC and 20 students have completed internships from various industries like Hitachi Microcool Cassette System Designing , Ahmedabad , Gujarat , ASCENT Futuretech LLP , Vidyavihar, Prayas , Prayas energy group, Pune, .Cerelabs PVT LTD , Mumbai, SpiderG , Pune, YOSO Media Pvt. Ltd. , Mumbai, 1martianway Corp. , Matunga , Mumbai, Delineate Pvt Ltd. , Thane, GNU/Linux IT solutions ,Thane (West), Cere Labs Pvt. Ltd.Mumbai, U.S. Interactive (India) Pvt. Ltd.Mumbai, Spiderg , Pune, 1 Martian Way , Mumbai, Igmite Solutions Pvt. Ltd , Thane, Cerelabs Mulund (West), The Wise Idiot Mumbai, Storymirror Infotech Mumbai, Emark Energisers Private Limited, Mumbai.

Code Cell :

Hackathon SYRUS (Github - The title sponsor by Mr. Manas Mangaonkar, student Microsoft partner) : Total 10 teams out of 49 were shortlisted for finals .



Blockchain workshop

Total 37 students attended The Blockchain workshop which was conducted under Code Cell on 3rd April 2019.



Scholarships Received

Total Rs. 258500/- was distributed among 23 Computer Engineering students. Summary of all the Scholarships with the details are as below:

1. Student Aid Scholarship - 07 (Total : Rs. 105000/-)
2. Vivekanand Jyoti Scholarship - 01 (Rs. 25,000/-)
3. Suman Tulsiani Scholarship - 14 (Total : Rs. 122000 / -)
4. Sahyog Scholarship - 01 (Rs. 6500/-)

Alumni Interaction : 1992 CMPN Batch in US



On 31st March 2019 alumni meet was scheduled in San Francisco in the presence of Shri. Bulani and Vice Principal Prof. Vijayalakshmi. More than 40 participants attended this event.

Convocation Day :

The department had organized Convocation Ceremony on 23rd Feb 2019. Students of batch 2017-2018 attended the degree distribution ceremony. Guest of honour was Shri. Vishal Prabhukhanolkar, Principal, Technical Program Manager, Amazon (alumni of VESIT 2003).





Staff In charges

Mrs. Anjali Yeole

Mrs. Pallavi Saindane

Editorial Team

Hrithik Malvani
D7A

Jai Soneji
D7A

Smith Gajjar
D7A

Sahil Rajpal
D7A

