

BOOTSTRAP

THE NEWSLETTER OF COMPUTER ENGINEERING DEPARTMENT

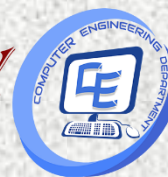
2019



Late Shri. Vishnu Waman Thakur Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY

(Approved by AICTE, New Delhi, DTE, Govt. of Maharashtra and Affiliated to the University of Mumbai)

COMPUTER ENGINEERING DEPARTMENT



BOOTSTRAP

2018-19

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EDITOR: Publication Team, Computer Engineering Department

The computer engineering department was established in 2009. The department offers regular undergraduate program in “Computer Engineering” having intake of 60.

Our vision is to develop competent citizens who will be valuable contributors in the field of technology and science. And, our mission is to create an environment which will stimulate research, creativity and innovation and to provide students with comprehensive knowledge of the latest developments in Computer Engineering.

The department has young dynamic, qualified teaching and non-teaching faculties with well-equipped laboratories. The teaching faculties are actively involved and also encourage students in research and publishing papers in reputed journals and conferences. The faculty and students have presented and published research papers in reputed conferences and journals like IEEE, IJCA, NCRENB, etc.

The department has taken conscious efforts to keep the faculty and students up to date with the change in the technologies and tools. The faculty members and the students are involved in the organisation of guest lectures, seminars, workshops, conferences, etc. the CSI-VIVA TECH

provides a great platform for the students to showcase their knowledge. For this technical events have been undertaken by the department on constant basis.

VISION

VIVA Institute of Technology strives to impart total quality education by means of equip students with knowledge and skills in their chosen stream, inculcate cultural and ethical values, identify hidden talents, provide opportunities for students to realize their full potential and thus shape them into future leaders, entrepreneurs and above all good human beings.

MISSION

To develop the standard of the institute above bench mark level, providing students with advanced knowledge and latest technology in the chosen discipline by tapping their hidden and obvious potential, moulding them into good and responsible citizens by playing a meaningful role in industry and society.

VISION (COMPUTER ENGINEERING DEPARTMENT)

To develop competent citizens who will be valuable contributors in the field of computer engineering.

MISSION (COMPUTER ENGINEERING DEPARTMENT)

- To create an environment which will stimulate research and innovation.
- To provide students with comprehensive knowledge of the latest developments in the field of Computer Engineering.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs) **COMPUTER ENGINEERING DEPARTMENT**

- Graduates will have successful career in their chosen field.
- Graduates will work on new and emerging technologies.
- Graduates will pursue higher studies at reputed institutions nationally/internationally.

PROGRAM SPECIFIC OUTCOMES (PSOs) **COMPUTER ENGINEERING DEPARTMENT**

- Students will be able to draft and publish research papers at the national or the international level.
- Students will be able to undertake research based projects.
- Students will be able to organise / participate / conduct events like seminars / workshops / conferences.

PROGRAMME OUTCOMES

Engineering Graduates will be able to:

PO1: Engineering Knowledge: apply knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.

PO2: Problem Analysis: identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3: Design & Development of Solutions: design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO4: Conduct Investigation of Complex Problems: Use 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 Tools 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.

PO6: The Engineer and Society: apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7: Environment & Sustainability: understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8: Ethics: apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice.

PO9: Individual & Team work: function effectively as an individual and as a member or leader in diverse teams, and in multidisciplinary settings

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 & Finance: demonstrate knowledge and understanding of the 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 life-long learning in the broadest context of technological change.

DEPARTMENTAL ADVISORY COMMITTEE FOR 2017-18

Sr. No.	Name	Designation
1	Ashwini Save	HOD, Computer Engineering Department
2	Tatwadarshi P. N.	NBA Head
3	Janhavi Sangoi	Project Head
4	Umesh Mohite	CSI Head
5	Sunita Naik	NBA Task Force 1
6	Reshma Chaudhari	NBA Task Force 1
7	Dnyaneshwar Bhabad	Placement Coordinator
8	Vibhavari Nagarhalli	Industry Expert (TCS)
9	Ankit Sangoi	Industry Expert
10	Liladhar P. Talele	Parent
11	Kishan Borad	Alumni
12	Raj Vyas	Student
13	Amit Dhande	Student

STUDENT TESTIMONIALS



Name: Sonal Mehta

Batch: 2016

Designation: Associate Software Engineer with Tech Mahindra

I take this opportunity to express all my appreciation & a "Big Thank You" to the most enthusiastic department of VIVA Institute of technology for all the significant contribution over the years. Computer Department's meticulous approach brought a lot of calming influence in handling various kind of events & programs. Its program does more than just impart knowledge and skill, however the culture of the department and the mentoring styles of the faculty make students excited about becoming scholars. In my four years of amazing journey, I got the opportunity to contribute my efforts in Computer Society of India(CSI); Every year spent with the CSI team made me more and more excited about becoming a true professional; also participating in such programmes carves your personality. It's impossible to overstate the importance of that sense of intrinsic enthusiasm, as one factor that unites the most accomplished scholars in our field is that they love what they do. Faculty members clearly love what they do — and that passion gets transferred to their students. There's simply no better place to earn a degree from this college.



Name: Palak S. Shah

Batch: 2016

Designation: L2 Production Support at L & T Infotech for CitiBank Project

The professors of department pointed out common pitfalls and were easily approachable if students had difficulty understating a concept without any delay. Some of the Professors are really kind and their innovative style of teaching is really what made learning more interesting. My grades have gone up a lot continuously as the classes are not so big, so the professor has more time to focus on each student. The Department helped me develop a positive attitude towards my studies and discover more about myself. Staff make sure every class is fun, educational and interactive. Personally, the structured hours allowed me to plan out what I wanted to study that specific day while continuous assessments kept me on my toes. Being

surrounded by motivated, like-minded people was beneficial for me as it drove me to work much harder and achieve what I wanted to achieve. And I am delighted to read about my department and college's ongoing success and expansion in local and national media.



Name: Nitin Bhimsen Daddikar

Batch: 2017

Designation: Associate UI/UX Developer at Verdantis Technologies Pvt. Ltd.

I belong to the computer engineering department at VIVA Institute of technology. It's been great being a part of this group as it has always helped me in improving my skills. They always backed me for going the distance and never be afraid to innovate. The department always helped all the students including me to overcome any obstacle and reach the milestones. It's my pleasure to be a part of this department and I am thankful to each and every one from this department for helping me in the course.



Name: Shruti Joshi

Batch: 2016

Designation: Software Engineer at Mastek Ltd.

The best thing about Viva Comps Dept. is that students feel energetic and enthusiastic towards education and career. The faculty here has been simply amazing, always approachable and welcome any questions. The institute staff is very supportive.

Those four years of my life were not just full of hard work, but they were undoubtedly full of such lessons and experiences which made me a better person day by day. I left my college with diverse personality enhancements and such intangible assets which are now a part of my attitude. This also has to do with me being a part of the CSI community and able to contribute to it. I would take this opportunity to thank the most happening faculty that helped us to establish ourselves in the corporate world with ease. Journey of engineering life in a college like this is what one looks forward to.

**Name:** Himanshu Wadekar**Batch:** 2017**Designation:**

I can positively say that computer engineering department has made me a better person. It has helped me develop a positive attitude towards my studies and discover more about myself. Teachers are very caring and interested in student's well-being. The thing I admire the most is the support I received from the department. I wouldn't have been able to achieve what I have achieved without the supportive environment.

**Name:** Aishwarya Babu**Batch:** 2017**Designation:**

I couldn't have asked for more; the teachers were so helpful to me, whenever there was anything I needed or didn't understand they were always there without delay. Along with academic, they even make sure that students are active in different curricular activities. The environment not only helped me in imbibing knowledge but also in developing my overall personality, fueling confidence in me.

**Name:** Tasmay Raikar**Batch:** 2017**Designation:**

I am student of the Computer Engineering Department at VIVA Institute of Technology. This department has provided me good faculties and helped me a lot in completing my Engg course.

They always inspired me to develop different aspects of my personality to be more competitive and balanced individual. They provided me a mix of both academics stuff and co-curricular activities. I am grateful to everyone from this department for their guidance and support.



Name: Durgesh Tiwari

Batch: 2017

Designation:

As a Computer Engineering student department provides a wide arena of the field and thus I get to learn something new with every subject. The entire study environment makes it easy for a student to learn and inculcate the spirit to stand out amongst the talented and hard-working students. What amazes me is the plethora of extracurricular activities that the Institute offers hence compelling every student to explore and pursue his/her extra talents. The Institute manages both the areas extremely well and a student always finds himself in a pool of never ending opportunities, be it technical or non-technical.



Name: Vinayak Prabhu

Batch: 2017

Designation:

Myself Vinayak Prabhu from the computer engineering department at VIVA Institute of Technology batch 2013-17. This department has been a great step towards my success story in engineering. They stood with me since the first day guiding me towards my goal. The amount of effort they have put in, to help me and many other students like me, is commendable. I'm thankful to each and every one from this department for bringing out the best in me!



Name: Sumit Mangela

Batch: 2017

Designation:

I was a part of the computer engineering department at Viva Institute of Technology. The three years I have spent as a student there helped me to develop new skills as well as improving the existing ones. All the staff members of the department were always supportive and facilitated the growth of every student of the department. It was a great pleasure to be a part of this department and I would like to express gratitude to each and every one from the department for guiding me towards my future.



Name: Siddhi Naik

Batch: 2018

Designation:

I was a part of the computer engineering department at Viva Institute of Technology. All the courses I have learnt have helped me a great deal in getting into a College in USA for my masters. The curriculum related activities like the mini projects, paper presentations helped me gain ton of practical knowledge and should be encouraged more. I was one of the lucky students to have learned from the skilled professors that are college has. Who are well prepared for every lectures and solving doubts. They have always helped me with my difficulties. Even the non teaching faculty were ever ready to help us with our issues in the laboratories. The Fest both cultural and technical give us a way out of our daily college routines but also helped us burgeon our various skills like teamwork, leadership qualities, time management

DEPARTMENT FACULTY**Name:** Prof. Ashwini Save**Designation:** HOD**Qualification:** PhD. Comp. Engg. (Pursuing), ME Comp. Engg., BE Inft, PGDBA**Experience:** 10 yrs**Research Interests:** Data warehouse, Data Mining, Software Engg, Machine Learning, Deep Learning, AI, Project Mgmt.**Name:** Prof. Pallavi Vartak**Designation:** Asst. Prof.**Qualification:** ME Inft, BE Comp. Engg**Experience:** 9 yrs**Research Interests:** Image Processing, HCI, Project Mgmt**Name:** Prof. Sunita Naik**Designation:** Asst. Prof.**Qualification:** ME Comp. Engg., BE Inft.**Experience:** 12 yrs**Research Interests:** Database management System, Data Mining, Image Processing, Distributed Computing**Name:** Prof. Janhavi Sangoi**Designation:** Asst. Prof.**Qualification:** ME Comp. Engg., BE(Inft)**Experience:** 9 yrs**Research Interests:** Data warehouse, Data Mining, Security

	<p>Name: Prof. Reshma Chaudhari Designation: Asst. Prof. Qualification: ME EXTC , BE EXTC Experience: 6 yrs Research Interests: Mobile Communication, Digital Signal Processing</p>
	<p>Name: Dr. Tatwadarshi P. Nagarhalli Designation: Asst. Prof. Qualification: PhD Sanskrit, ME Comp. Engg. , MA Sanskrit, PGDBA, BE(Inft) Experience: 9 yrs Research Interests: Data Security, Artificial Intelligence, Machine Learning, Data Mining, Project Mgmt, NLP</p>
	<p>Name: Prof. Dnyaneshwar Bhabad Designation: Asst. Prof. Qualification: ME Comp. Engg, BE Comp. Engg. Experience: 6 yrs Research Interests: Data Mining, Big Data, Cloud Computing, IOT</p>
	<p>Name: Prof. Umesh Mohite Designation: Asst. Prof. Qualification: ME Comp. Engg., BE Comp. Engg Experience: 6 yrs Research Interests: Microprocessor, Data and Network Security, Cryptography</p>

	<p>Name: Prof. Vinit Raut Designation: Asst. Prof. Qualification: ME (Comp. Engg.), BE (Comp) Experience: 10 yrs Research Interests: Data Structures & Algorithms, Image Processing, Cloud Computing, Computer Architecture</p>
	<p>Name: Prof. Saniket Kudoo Designation: Asst. Prof. Qualification: ME Comp. Engg., BE Comp. Engg. Experience: 5 yrs Research Interests: Cloud Computing, Mobile Computing, N/W Security, Computer N/W</p>
	<p>Name: Prof. Akshata Raut Designation: Asst. Prof. Qualification: ME Comp. Engg., BE Comp. Engg. Experience: 5 yrs Research Interests: Data Mining and Sentiment Analysis.</p>
	<p>Name: Prof. Monali Pimpale Designation: Asst. Prof. Qualification: ME Comp. Engg., BE Inft. Experience: 7 years Research Interests: Networking and Machine Learning</p>
	<p>Name: Prof. Bhavika Thakur Designation: Asst. Prof. Qualification: ME Comp. Network and Info. Sec., BE Comp Science and Technology Experience: 7 yrs Research Interests: Network Security and Computer Network</p>

RECENT PUBLICATIONS BY FACULTY

Sr. No.	Name of the faculty	Paper Title	Published / Presented
1	Ashwini Save	“Extraction of Emoticons with Sentimental Bar”	VIVA-Tech IJRI 'Oct-18
		“Tweet Summarization and Segmentation: A Survey”	VIVA-Tech IJRI 'Oct-18
		“Methods for Sentiment Analysis: A Literature Study”	VIVA-Tech IJRI 'Oct-18
		A Survey on Text Prediction Techniques	NCRENB Mar 2019
		An Analysis of Clickbait Detection Techniques	NCRENB Mar 2019
2	Pallavi Vartak	Cyber-bullying detection techniques-A literature Survey	NCRNB/IJOER Mar-19
		A survey of Hindi character recognition	NCRNB/IJOER Mar-19
		HCI: its role in distant education websites	NCRNB/IJOER Mar-19
		Detection of cyber bullying using deep neural networks.	IEEE 19
3	Sunita Naik	SURVEY ON CARD LESS TRANSACTION USING EMERGING TECHNOLOGIES	VIVAIJRI Oct-18
		Review on: Techniques for Predicting Frequent Items	VIVAIJRI Oct-18
		Survey on Efficient Techniques of Text Mining	VIVAIJRI Oct-18
		Estimating the frequent products in shopping cart using Data Mining	IEEE-Xplore Oct-18
		A Survey on Hinglish Code-Mixed Text for Sentiment Analysis	NCRNB/IJOER Mar-19
		Survey on Data Recovery Using Reversible Watermarking	NCRNB/IJOER Mar-19
		An Innovative Approach for Data Recovery Using Robust Reversible Watermarking	ICOEI 2019 Apr-19
		Hinglish Code Mixed Text: A Novel Sentiment Analysis Model	ICOEI 2019 Apr-19
4	Janhavi Thakur	HCI: its role in distant education websites	NCRNB/IJOER Mar-19
		A survey on sentiment analysis with the help of Sarcasm	NCRNB/IJOER Mar-19
5	Reshma Chaudhary	Study of Digitize RTO Document Verification System	NCRNB/IJOER Mar-19

		SPARSH: Smart Protecting Active Relevant Security Aid	NCRNB/IJOER Mar-19
		E-Doctor: An Innovative Approach for Disease Prediction	NCRNB/IJOER Mar-19
		Overview of Satellite System	NCRNB/IJOER Mar-19
		Bluetooth enabled Smart Digital Pen	NCRNB/IJOER Mar-19
		SEKTROO: Smart Automated Pesticide Sprinkling Bot	ICOEI-2019
6	Tatwadarshi P.N.	An Innovative Machine Learning Approach for Object Detection and Recognition	IEEE Xplore SEPT 18
		A Literature Survey: Neural Networks for object detection	VIVA-Tech IJRI OCT 18
		A Survey of Image Processing and Identification Techniques	VIVA-Tech IJRI OCT 18
		Advance Cipher Technique to Secure Email Contents	VIVA-Tech IJRI OCT 18
		Bankruptcy Prediction: A survey on Financial distress and Solution	NCRNB/IJOER Mar-19
		Review of Image Compression Techniques using Vector Quantization	NCRNB/IJOER Mar-19
		Survey on An Innovative Approach for Cardiovascular Heart Disease Prediction Using Machine Learning	NCRNB/IJOER Mar-19
		A Comprehensive review of Conversational Agent and its prediction algorithm	NCRNB/IJOER Mar-19
7	Dnyaneshwar Bhabad	ASL Recognition using Smart Glove	NCRENB 2019/IJOER
		Securing files on cloud through hybrid cryptography	NCRENB 2019/IJOER
		An analysis of various deep learning algorithms for image processing	NCRENB 2019/IJOER
8	Umesh Mohite	Classify and recognize non-living objects using classification techniques	NCRENB 2019/IJOER
		Driver drowsiness detection using eye and neck analysis	NCRENB 2019/IJOER
		The countour printer is the first desktop phone skin printer	NCRENB 2019/IJOER
9	Vinit Raut	Review of Image Compression Techniques using Vector Quantization	NCRENB 2019/IJOER
		A Survey on Lung Cancer Detection Techniques	NCRENB 2019/IJOER
		Subjective Answer Evaluation using Data Mining and Semantics	NCRENB 2019/IJOER
		A Distinctive System for Cricket Predictions Using Machine	NCRENB 2019/IJOER

		Learning and Data Analysis"	
		A novel approach for detection of Lung Cancer using Digital Image Processing and Convolution Neural Networks	ICACCS 2019
10	Saniket kudoo	An Analysis of Sensor Based PIN and Password Detection Techniques	IJOER VOLUME 5 ISSUE 3
		Prognostication of breast cancer using data mining and machine learning	IJARIIT -2019 VOLUME 5 ISSUE 2
		Triple Data Encryption Standard Algorithm (3DES): A Survey	IJOER VOLUME 5 ISSUE 3
		Prediction of Equity Market using Deep Learning	IJOER VOLUME 5 ISSUE 3
11	Akshata Raut	New approach for computing trustworthy reputation in e-commerce environment	NCRENB 2019
12	Monali Pimpale	Cloud MapReduce	IJOER VOLUME 5 ISSUE 3
13	Bhavika Thakur	A survey of Routing Protocol and Network Security in MANETs	NCRENB 2019

FACULTY ROLE AND RESPONSIBILITIES

Prof. Ashwini Save	Head of Department
Prof. Pallavi Vartak	Anti-Ragging and Grievances Discipline Alumni
Prof. Sunita Naik	Exam Time-Table
Prof. Janhavi Sangoi	Project Time-Table
Prof. Reshma Chaudhari	Result Analysis
Dr. Tatwadarshi P. N.	NBA Publications Website
Prof. Dnyaneshwar Bhabad	Notices and Minutes of Meeting Department Placement Internship
Prof. Umesh Mohite	CSI Lab Head
Prof. Vinit Raut	Google Drive Virtual Lab
Prof. Saniket Kudoo	Term Test Weak and Bright Students
Prof. Akshata Raut	Files Notice Board Term Test
Prof. Monali Pimpale	Department Library Mentor
Prof. Bhavika Thakur	FE Head

**TRAINING PROGRAMMES / SEMINARS / WORKSHOPS ATTENDED
BY FACULTY**

Sr. No.	Name	Training Programme
1	Ashwini Save	<ul style="list-style-type: none"> • Seminar on Intellectual property Rights (IPR). • Seminar on Evolution of Markets. • Short Term Training Programme on Machine Learning and Deep Learning • Two days FDP on “Patent filing & IPR”
2	Pallavi Vartak	<ul style="list-style-type: none"> • Seminar on Intellectual property Rights (IPR). • Seminar on Evolution of Markets. • Short Term Training Programme on Machine Learning and Deep Learning
3	Sunita Naik	<ul style="list-style-type: none"> • Seminar on Intellectual property Rights (IPR). • Seminar on Evolution of Markets. • Short Term Training Programme on Machine Learning and Deep Learning • Seminar on “NAAC revised accreditation framework-new initiatives and reforms” • AICTE ISTE STTP on Research Methodology with management techniques.
4	Janhavi Thakur	<ul style="list-style-type: none"> • Seminar on Intellectual property Rights (IPR). • Seminar on Evolution of Markets. • Short Term Training Programme on Machine Learning and Deep Learning
5	Reshma Chaudhary	<ul style="list-style-type: none"> • Seminar on Intellectual property Rights (IPR). • Seminar on Evolution of Markets. • Short Term Training Programme on Machine Learning and Deep Learning
6	Tatwadarshi P.N.	<ul style="list-style-type: none"> • Seminar on Intellectual property Rights (IPR). • Seminar on Evolution of Markets. • Short Term Training Programme on Machine Learning and Deep Learning • Two days FDP on “Patent filing & IPR”
7	Dnyaneshwar Bhabad	<ul style="list-style-type: none"> • Seminar on Intellectual property Rights (IPR). • Seminar on Evolution of Markets. • Short Term Training Programme on Machine Learning and Deep Learning

8	Umesh Mohite	<ul style="list-style-type: none">• Seminar on Intellectual property Rights (IPR).• Seminar on Evolution of Markets.• Short Term Training Programme on Machine Learning and Deep Learning
9	Vinit Raut	<ul style="list-style-type: none">• Seminar on Intellectual property Rights (IPR).• Seminar on Evolution of Markets.• Short Term Training Programme on Machine Learning and Deep Learning
10	Saniket kudoo	<ul style="list-style-type: none">• Seminar on Intellectual property Rights (IPR).• Seminar on Evolution of Markets.• Short Term Training Programme on Machine Learning and Deep Learning
11	Akshata Raut	<ul style="list-style-type: none">• Seminar on Intellectual property Rights (IPR).• Seminar on Evolution of Markets.• Short Term Training Programme on Machine Learning and Deep Learning
12	Monali Pimpale	<ul style="list-style-type: none">• Seminar on Intellectual property Rights (IPR).• Seminar on Evolution of Markets.• Short Term Training Programme on Machine Learning and Deep Learning.
13	Bhavika Thakur	<ul style="list-style-type: none">• Seminar on Intellectual property Rights (IPR).• Seminar on Evolution of Markets.• Short Term Training Programme on Machine Learning and Deep Learning.

LABORATORIES

No.	Laboratory Name	Lab No.	Location
	Server Room		
1	Database Management System Lab	E1	A-302
2	Data Structures & Algorithm Lab	E2	A-303
3	Software Engineering & Web Engineering Lab	E3	A-304
4	Network Lab	E4	A-305
5	Project Lab	E5	A-306
6	Programming Lab	E5	A-307
7	Operating System Lab	E32	A-308
8	Language Lab	E33	A-309
9	System Security Lab	E8	A-204
10	Digital Logic and Design Analysis Lab	E16	B-203

CLASS ROOM DETAILS

No	Class	Room No.
1	S.E. Comp.Engg	B-302
2	T.E. Comp.Engg	B-303
3	B.E. Comp.Engg	B-301



FACULTY DEVELOPMENT INITIATIVES

1. DEPARTMENT LIBRARY

The department strives to provide with the best possible opportunity for the staff and the students to enhance their knowledge, departmental library is one initiative taken by the department in this regard.

The departmental library is managed by a staff in-charge. The library gives easy access to the books and research projects for both the faculty and students. Currently the departmental library has over 300 books.

2. APPRAISAL SYSTEM

An effective performance appraisal system is a vital instrument for gauging and improving the performance and contribution of the faculty. The institute has a well-defined appraisal and well formatted appraisal system and it is effectively implemented in the department. Every teaching faculty submits self-appraisal forms to the head of the department. The head of the department evaluates the self-appraisal form filled by the faculty and comments on the performance of the faculty. This form is then sent to the principal.

In presence of head of department principal conducts one to one meeting with all the teachers gives feedback/suggestions/comments on the performance. The performance appraisal is carried out in each semester. In every academic year awareness is also created among the faculty about the importance of performance appraisal, in the department.

3. FEEDBACK SYSTEM

According to the schedule mentioned in academic calendar, HOD of department takes offline feedback from students. Students are provided with a copy of feedback form which assesses the staff on the basis of parameters. Parameters used to assess the faculties are Way of teaching, Extent of understanding the subject & satisfaction, Ability to clear the doubts, Attitude towards the students, Punctuality, Interaction during lecture, Motivation.

Students also give comments about faculties in a written form. Ratings are calculated on the basis of score and comments given by the students. Depending on the comments and ratings by the students, HOD communicates and guides the staff regarding further improvements through corrective actions. Second meeting with the students is conducted in the same semester to assess the effectiveness of the corrective action undertaken.

4. ACADEMIC AUDIT

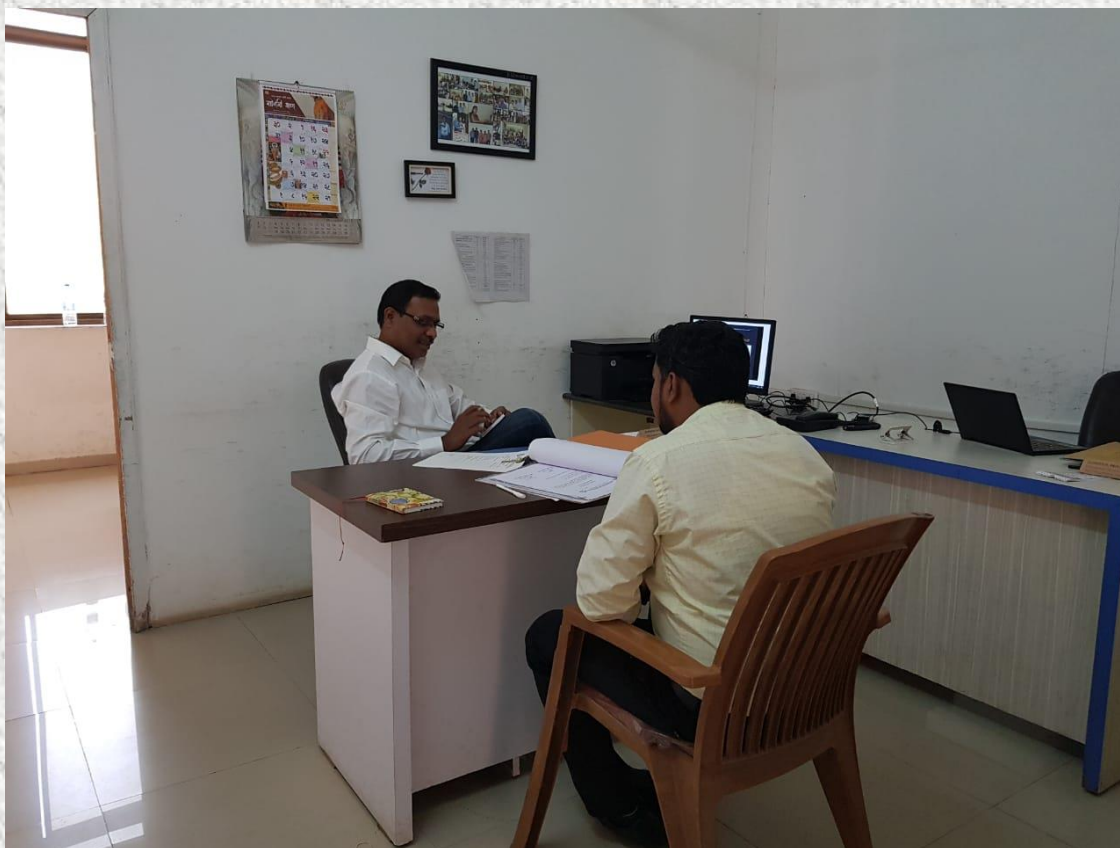
Academic Audit were conducted one by internal panel appointed by institute and another by academician from another reputed university.

Academic audit for academic year 2017-2018 was conducted in the department on 28th Sept 2018 by Internal Panel. The audit was conducted on following grounds: Attendance, Syllabus coverage, Student feedback, Quality of Unit test Paper, Analysis of university Result, Remedial classes, Seminars/Guest lectures, Industrial visits, Workshops, Student Counselling, FDP's, Infrastructure, Self-learning resources, Student participation, Internal Quality Assurance, Placement, Student-Teacher Ratio, Newsletter and magazine.

Academic audit for academic year 2017-2018 was conducted in the department on 04th Jan, 2019. The auditor was Dr.M.M.Chandane, Associate professor Information Technology, Veermata Jijabai Technological Institute, Matunga , Mumbai.

The audit was conducted on following grounds, Teaching plan and its adherence, Result analysis, Feedback analysis, Quality of Assignments, Quality of Experiments, Quality of Term Test Question Papers, Quality of notes and other teaching tools, Subject Knowledge, Contribution at college/department level, Publications/Achievements, STTP/Conferences/Seminars/Workshop attended.

The auditor conducted one-on-one discussion with all the teaching faculty and gave feedback for their performance and work for the academic year as well.



5. SHORT TERM TRAINING PROGRAMME

Things like growing volumes and varieties of available data, computational processing that is cheaper and more powerful, affordable data storage and complex nature of applications are responsible for resurging interest in machine learning and deep learning.

All of these things mean it's possible to quickly and automatically produce models that can analyze bigger, more complex data and deliver faster, more accurate results, even on a very large scale. And by building precise models, an organization has a better chance of identifying profitable opportunities, or avoiding unknown risks. Machine learning and Deep learning play a very vital role in the data analysis and building a model for prediction or classification with the help of past data.

Due to this reason, the STTP was organized by the Computer Engineering Department, VIVA Institute of Technology on “Machine Learning and Deep Learning”. The speakers were invited from the reputed educational institutes as well as relevant industries.

STTP on Machine Learning and Deep Learning

The objectives of the AICTE- ISTE Approved STTP were

- To familiarize with the basic concepts of ML and DL.
- To help the participants in implementation of algorithms of ML and DL
- To help the participants in working with various tools required for ML and DL
- To get an idea for further research in ML and DL

The AICTE-ISTE approved STTP was conducted from 07th May, to 11th May, 2018 in , Computer Engineering Department, VIVA Institute of Technology. The inauguration was attended by Principal Dr. B. K. Mohan, Dr. Sanjay Shitole , Dr. Arun Kumar, and all other participants.

Details of all the resource person is as given below.

Sr. No.	Name	Designation	Organisation
1	Dr. B K Mohan	Professor	IIT Bombay
2.	Dr. Sanjay S. Shitole	Head of the Department and Associate Professor in Department of Information Technology	Usha Mittal Institute of Technology for Women, S.N.D.T. Women's University, Mumbai.

3.	Mr. Santosh Chapaneri	Assistant Professor	St. Francis Institute of Technology
4.	Mr. Divesh Kubal	Senior Machine Learning & Deep Learning Engineer.	eClerx Services
5.	Mr. Santosh Panigrahi	Artificial Intelligence Analyst	GrayMatrix Solutions

Detailed contents which were covered in the STTP are mentioned below.

Sr. No.	Date	Topics Covered
1	07 th May 2018	Basics of Machine Learning and Deep Learning, Introduction to ANN and CNN.
2	08 th May 2018	Introduction to Python using Jupyter Notebook, Machine Learning Algorithms, Data Analytics,
3	09 th May 2018	Deep learning: concepts and its applications, Word embedding in NLP, Prediction with CNN.
4	10 th May 2018	Parameter Tuning, Introduction to R (Data frame, Importing and Exporting Data, Data manipulation.
5	11 th May 2018	Revision of the learned contents, Training evaluation test & Validatory function.

All the speakers were well received by the attendees. The attendees gave very good feedback for to all the speakers. A total of 23 participants participated in the One week AICTE-ISTE approved training programme.



6. PARENTS MEET'18

Introduction of Computer Engineering Department was given. Parents were introduced with departmental laboratories and facilities. They were made aware of different Department initiatives such as Mentor system, Meetings under mentor system, Cumulative attendance system & terms regarding Attendance. Syllabus of respective classes also Policies regarding K.T. and year drop for student, the Examination pattern, internal exams and university exam schedule and Weightage were discussed.

College timing, ID card is compulsory in the college premises, Mobile phones are not allowed in college premises and Instructions regarding dress code were given. Placement Selection Process, Activities conducted for training the students, previous placement records. We plan industrial visits only for one day.

Parents were requested to Understand the structure of engineering course, Stay connected with mentors and other teachers, Communicate with students regularly regarding academic activities .Motivate students for participating in the co-curricular, extra-curricular activities. Staff members have interacted with parents to solve their doubts. Details were discussed.

Valuable suggestions were taken from parents. Curriculum feedback was taken from all the attendee parents. All the parents interacted with respective mentors and assessed their student's progress.





7. TECHNICAL MAGAZINE

([HTTP://WWW.VIVA-TECHNOLOGY.ORG/NEW/TECH-NEXT](http://www.viva-technology.org/new/tech-next))



A Biannual Technology Review Magazine

We live in a time where technology is an indispensable part of our everyday life. It is impossible to imagine our daily routines without these technologies, right from the coffee maker machine to the mobile devices to the computers; especially internet has become a necessity. And these technologies have undergone and undergo, changes and updations on a very frequent basis. For this reason a Technical magazine is like a holy book for the people who follow technology as a passion.

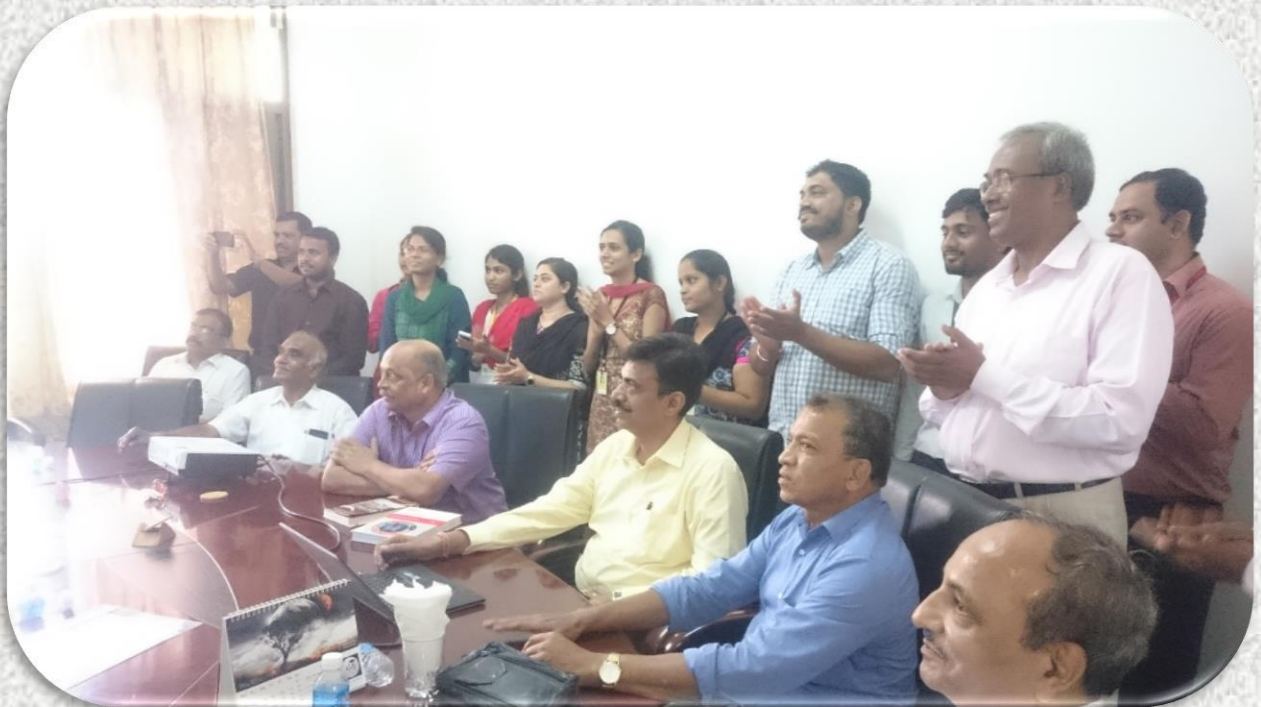
Steve Ballmer says “The number one benefit of information technology is that it empowers people to do what they want to do. It lets people be creative. It lets people be productive. It lets people learn things they didn't think they could learn before, and so in a sense it is all about potential.”

Keeping this in mind the Computer Engineering Department, VIVA Institute of Technology published the first Technical Magazine in the institute called the 'TECH-NEXT: A Biannual Technology Review Magazine' to empower the Faculty and Students to be creative and productive; providing a platform to showcase their knowledge about the new technologies which are becoming or which will become an integrated part of our life, and help others to learn about these technologies.

TECH-NEXT is a Technology Review Magazine Published by Computer Engineering Department of VIVA Institute of Technology. The Magazine is published twice in a year. The Magazine was launched on 23rd September 2016 in the presence of Management members of VIVA Trust, Principal of VIVA Institute of Technology and staff members of Computer Engineering Department.

The department was also able to secure International Standard Serial Number (Online) for the technical magazine as well, **ISSN (Online): 2456-5105**.





INITIATIVES FOR STUDENTS AND CSI

1. Technical Magazine

TECH-NEXT is a Technology Review Magazine Published by Computer Engineering Department of VIVA Institute of Technology. The Magazine is published twice in a year. The Magazine was launched on 5th October, 2018 in the presence of Management members of VIVA Trust, Principal of VIVA Institute of Technology and staff members of Computer Engineering Department.

Having secured International Standard Serial Number (Online), **ISSN (Online): 2456-5105**, it provides a great platform for the students to share and acquire knowledge about the new technologies that are going to shape the future of the generation.

Students took great interest in this initiative and in the first issue of the second volume majority of the technical articles published were from the students. In the second volume more than 90% of the articles have been contributed by the students.



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YOUR APPLICATION IS SUCCESSFULLY PROCESSED

YOUR ISSN IS : 2456-5105

TITLE - TECH-NEXT: A Biannual Technology Review Magazine (Online)

2. QUIZZICAL (MONTHLY EVENT-1) – 27/7/2018

The CSI-VIVA successfully organized the event Quizzical at Computer Engineering Department, VIVA Institute of Technology. The event was conducted by CSI-VIVA and was attended by Computer Engineering students. The event was conducted to encourage students and to improve their programming skills.

It consisted of various MCQ's related to the computer domain and it was given for testing student's skills in particular languages. This event helped students to increase their core interest in these languages. There was large participation from students of S.E, T.E and B.E Computer Engineering. Winners were felicitated with Certificate.

Overall it was an interactive event.



3. CODE RECKONING (Monthly Event-2) - 20/08/2018

The CSI-VIVA Tech successfully organized the event Code Reckoning at Computer Engineering Department, VIVA Institute of Technology. The event was conducted by CSI-VIVA Tech and was attended by Computer Engineering students. The event was conducted to encourage students to improve their programming skills and increase their awareness about different programming languages.

It covered languages like C, JAVA, HTML, from basic programs to difficult level; programs were divided into levels for testing student's skills in particular languages. This event helped students to increase their core interest in these languages. There was large participation from students of S.E, T.E and B.E Computer Engineering. Winners were felicitated with Certificate.

Overall it was an interactive event.



4. Workshop on UX N UI Design - 11/09/2018 & 12/09/2018

The CSI-VIVA Tech successfully organized the workshop on UI/UX Designing at VIVA Institute of Technology. The workshop was conducted by Tech Cryptors and was attended by Computer Engineering Students from S.E. They had experience in various fields. They had a vast knowledge about this subject and also has experience in conducting workshops for the same.

In the workshop, they covered all the basic topics required for designing UI/UX in Python. They taught students how to use PyCharm for writing and executing Python code. They covered various topics in detail for creating GUI. In this session, they also covered use of python for better user Interface designing. They conducted the whole workshop by maintaining constant interaction with the students.

Overall it was an interactive session.





5. Workshop on NATIVE APP DEVELOPMENT-

11/09/2018 & 12/09/2018

The CSI-VIVA Tech successfully organized the workshop on Native App Development at VIVA Institute of Technology. The workshop was conducted by Rex Technologies and was attended by Computer Engineering Students from T.E. They have experience in various fields. They have a vast knowledge about this subject and also have experience in conducting workshops for the same.

In the workshop, they covered all the basic topics required for creating an android app. They taught students how to use Android Studio for writing and executing Java code. They covered various topics in detail such as creating GUI, making small android applications such as calculator, etc.

In this session, they also covered how Android Studio can be a better option for android app development rather than using different software's for different ecosystems. They conducted the whole workshop by maintaining constant interaction with the students.

Overall it was an interactive session.



6. TECHNICAL PAPER PRESENTATION 4/10/2018 & 5/10/2018

The CSI VIVA-tech successfully organized the First Inter Collegiate Technical Paper Presentation, VIVA Institute of Technology. The event was conducted by CSI VIVA-tech and was attended by Computer Engineering students. The event was conducted to encourage students and to improve their presentation skills.

It covered the most important prerequisite for engineering students i.e. presentation skills which many engineering graduates are lacking now in the industry and also the students learnt how to write a technical paper. Students were required to write a technical paper about current latest engineering trends and innovations and present it in front of other students through Power point presentation. There was large participation from students of S.E, T.E and B.E Computer Engineering. Winners were felicitated with Certificate.

Overall it was an interactive event



7. Seminar on INDUSTRY AND INSTITUTE INTERACTION- 12/10/2018

The CSI VIVA-tech successfully organized the seminar on Industry and Institute Interaction at Computer Engineering Department, VIVA Institute of Technology. The seminar was conducted by CSI VIVA-tech and was attended by Computer Engineering students. The seminar was conducted by Mr. Kunal Bharti, Co-founder of Raw Engineering to guide students and to make them aware of the trends in industry.

The students got an idea about the prerequisites needed in industry and also discusses about the various fields and domains in engineering. There was also a Question and Answer session where students cleared their doubts regarding industry. There was large participation from students of S.E, T.E and B.E Computer Engineering.

Overall it was an interactive seminar.



8. TECHCHASE – 31/08/2018 & 01/09/2018

The CSI-VIT successfully organized the Technical Festival of our college, “Techchase-2018” on 31st August & 1st of September, 2018. Techchase was inaugurated by our respected principal Dr. Arun Kumar and respective principals from Viva Institute of Pharmacy, Viva College of Applied Art, Viva Institute of Management and Research, Viva School of MCA. The inauguration was held in the Seminar Hall, on the 4th floor.

Total number of events: 30

Events under CSI: 06

- Decrypt.O
- Brain Storming
- Technical Logo Quiz
- Mesh Compilation
- Blind coding

The Response received for CSI-Viva-Tech events was enormous and overwhelming. The events received a positive response from the students. They encouraged and motivated the students for many more technical events in the future. Around 2,000 students and 85-100 volunteers had participated in TECHCHASE.

Every event had its own significance, be it Brainstorming, or Mesh Compilation, or decrypt.O or Technical Logo Quiz. Participants enjoyed it to the core!

Winners were awarded certificates and prizes. All the faculty members were involved in planning, guiding and motivating the students in various events. It was an excellent platform for the students to exhibit their talents. It was a grand success. CSI-Viva-tech conducted the following events in Techchase:



9. Seminar on block chain and cloud computing -01/02/2018

The CSI VIVA-tech successfully organized the seminar on Block chain and Cloud computing at Computer Engineering Department, VIVA Institute of Technology. The seminar was conducted by CSI VIVA-tech and was attended by Computer Engineering students. The seminar was conducted by Mr. Abhijit Salunkhe, to guide students and to make them aware about cloud computing and Block chain.

The students got an idea about the prerequisites needed in cloud computing and block chain. There was also a Question and Answer session where students cleared their doubts regarding the same. There was large participation from students of T.E and B.E Computer Engineering.

Overall it was an interactive seminar.



10. Workshop on MACHINE LEARNING- 08/02/2019

The CSI-VIVA Tech successfully organized the workshop on Machine Learning at VIVA Institute of Technology. The workshop was conducted by **Dr. Tatwadarshi P.N** which was attended by Computer Engineering Students. In the workshop all the basic topics related to Machine learning where covered.

The students got an idea about the prerequisites needed for Machine Learning. This would be helpful for them in near future. There was large participation from students of T.E Computer Engineering.

Overall it was an interactive Workshop.

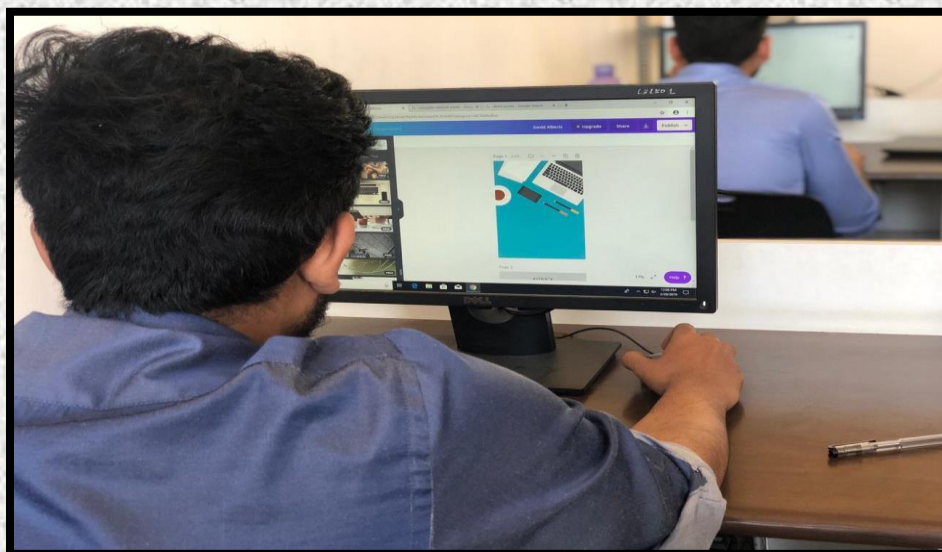


11. TECHNICAL POSTER MAKING (Monthly Event-4) –**28/02/2019 & 02/03/2019**

The CSI VIVA-tech successfully organized the monthly event on Technical Poster Making at the Computer Engineering Department, VIVA Institute of Technology. The Monthly event was conducted by CSI VIVA-tech and was attended by Computer Engineering students. The event was conducted to make students acquainted with the basics of graphic designing and to encourage students to improve their knowledge of graphic designing.

It was performed on graphic-design tools websites like canva and easil. The first round required students to create posters for the domains specified for their respective classes and in the second round, the selected students are required to create a poster for the college. This event helped students to expand their basic skills about graphic designing and also helped them develop their interest in the field of graphics designing. There was large participation from students of S.E, T.E and B.E Computer Engineering.

Overall it was an interactive monthly event.



12. Workshop on PHOTOSHOP AND ADOBE ILLUSTRATOR- 26/03/2019

The CSI-VIVA Tech successfully organized the workshop on Photoshop and Illustrator at VIVA Institute of Technology. The workshop was conducted by **Mr.Aditya Pujari** and **Mr.Sarjak Chawda** which was attended by Computer Engineering Students. They have great experience in Photoshop and Illustrator. In the workshop, they covered all the basic topics required for Photoshop and Illustrator. Softwares used in the Workshop were Adobe Photoshop and Adobe Illustrator.

The students got an idea about the prerequisites needed for making Posters, Banners and Editing Images. This would be helpful for them in near future. There was large participation from students of S.E Computer Engineering.

Overall it was an interactive Workshop.



**13. IMPERIA 2018-19 (Inter Collegiate Project Competition)-
28/03/2019**

The CSI VIVA-tech successfully organized the Inter-collegiate Project Competition Imperia 2018-19 at the Computer Engineering Department, VIVA Institute of Technology.

The competition was organized by CSI VIVA-tech and was attended by Computer Engineering students from our college as well as other colleges. The competition was conducted to encourage students to make interesting projects. The response received for the competition was enormous and overwhelming. The event received positive responses from participants, the visitors, faculties and judging panel.

The visiting students got an idea about how the projects must be done, what technologies must be used, etc. All the participants were awarded with participation certificates. Winners were awarded certificates and prizes. It was an excellent platform for the students to exhibit their talents. It was a grand success. There was large participation from students of S.E, T.E and B.E Computer Engineering.

Overall it was an interactive seminar.



14. Guest Lecture on- IMAGE PROCESSING -09/04/2019

The CSI VIVA-tech successfully organized the Guest Lecture on Image Processing at Computer Engineering Department, VIVA Institute of Technology. The lecture was conducted by CSI VIVA-tech and was attended by Computer Engineering students. The lecture was conducted by Dr. Ashish Vanmali, HOD of Vidyavardhini's College of Engineering to guide students and to make them aware of the current applications of Image and Video Processing industry.

The students got an idea about the prerequisites needed to make a career in this domain and also discusses the various skills needed to sustain in this domain. There was also a Question and Answer session where students cleared their doubts regarding the domain. There was large participation from students of T.E Computer Engineering.

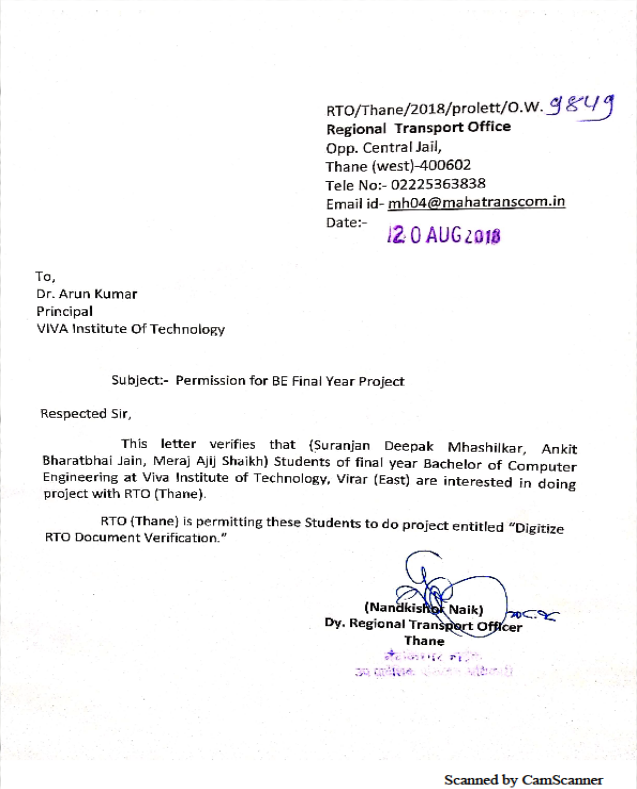
Overall it was an interactive lecture.


BE PROJECTS 2018-19

Sr. No.	Guide Name	Project Title
1	Ashwini Save	<ul style="list-style-type: none"> • A Novel Approach For Clickbait Detection • Eat It , Review It: A New Approach For Review Prediction • E-doctor: An Innovative approach for Disease Prediction • Digitize RTO Document Verification System • Sektroo: Smart Automated Pesticide Sprinkling Bot
2	Pallavi Vartak	<ul style="list-style-type: none"> • An Innovative Approach for Hindi Character Recognition • Detection of Cyber-Bullying using Deep Neural Network. • FoodMesh : An Intelligent Chatbot • Driver Drowsiness Detection Using Eye And Neck Movement Analysis • To classify and recognize non-living objects using image classification technique
3	Sunita Naik	<ul style="list-style-type: none"> • Hinglish Code Mixed Text: A Novel Sentiment Analysis Model • An innovative approach for data recovery using Reversible Watermarking. • An Innovative Approach For Traffic Analysis And Management • ASL Recognition using Smart Gloves • Securing files on cloud through hybrid cryptography
4	Janhavi Sangoi	<ul style="list-style-type: none"> • Enhanced Sentiment Analysis using Sarcasm: An Innovative Approach • An Innovative Smart Assistance Footwear for Visually Impaired People • Subjective answer evaluation using data mining and semantics. • Lung Cancer Detection using Image Processing and Deep Learning. • A distinctive system for Cricket predictions using Machine Learning and Data Analysis.

		<ul style="list-style-type: none">• Detection of spam mobile application using sentiment analysis
5	Tatwadarshi P.N.	<ul style="list-style-type: none">• An Innovative Approach For Cardiovascular Disease Prediction Using Machine Learning• An Innovative Approach to Predict Bankruptcy• SCCAI- A Student Career Counseling Artificial Intelligence• Prognostication of breast cancer using Data mining and Machine learning• Prediction of Equity Market using Deep Learning

STUDENT ACHIEVEMENTS FOR AY: 2018-19

Event Name	BE Project
Team Members	Suranjan Mhashilkar, Ankit Jain, Meraj Shaikh
Brief Description	Got permission for digital RTO document verification by Dy. Regional Transport Office, Thane
Benefit to Society	Process of document verification will be easier and fast
Venue/Organization by Date	Regional Transport Office, Thane
Position Obtained	Got permission
Photographs	 <p>RTO/Thane/2018/prolett/O.W. 9849 Regional Transport Office Opp. Central Jail, Thane (west)-400602 Tele No:- 02225363838 Email id- mh04@mahatranscom.in Date:- 12.0 AUG 2018</p> <p>To, Dr. Arun Kumar Principal VIVA Institute Of Technology</p> <p>Subject:- Permission for BE Final Year Project</p> <p>Respected Sir,</p> <p>This letter verifies that (Suranjan Deepak Mhashilkar, Ankit Bharatbhai Jain, Meraj Ajij Shaikh) Students of final year Bachelor of Computer Engineering at Viva Institute of Technology, Virar (East) are interested in doing project with RTO (Thane).</p> <p>RTO (Thane) is permitting these Students to do project entitled "Digitize RTO Document Verification."</p> <p>(Nandkishor Naik) Dy. Regional Transport Officer Thane</p> <p>Scanned by CamScanner</p>


Event Name	IoT(Internet of Things)workshop organized by Innovians Technologies and Technex'19, IIT Varanasi
Team Members	Tanmay Talele, Nishant Pimpale, Juilee Bhombe and Aashish Jethwa
Brief Description	Project on "Operate electronics devices using voice command". They are selected for the Grand Finale at Technex'19 to be held at IIT Varanasi. They are one of the selected teams across India.
Benefit to Society	With the help of this technology users can easily control devices by speaking and the results of this are faster.
Venue/Organization by Date	Thadomal Shahani Engg. College, Bandra, Mumbai
Position Obtained	Top Position
Photographs	 <p>Event: VIVA-Tech students at TSEC for IoT workshop</p>

Event Name	Youth fest 2018
Team Members	Sunetra Mhaskar, Snehal Kamble
Brief Description	One act play
Benefit to Society	Passing a social message
Venue/Organization by Date	S.D.S.M. College, Palghar, 2018-19
Position Obtained	Third rank

Event Name	Youth fest 2018
Team Members	Vishal Rasal
Brief Description	Indian classical vocal solo
Benefit to Society	Enriching new generations with cultural heritage
Venue/Organization by Date	S.D.S.M. College, Palghar, 2018-19
Position Obtained	Second rank
Event Name	Youth fest 2018
Team Members	Vishal Rasal
Brief Description	Indian light vocal solo
Benefit to Society	Entertainment purpose
Venue/Organization by Date	S.D.S.M. College, Palghar, 2018-19
Position Obtained	Third rank


Event Name	Youth fest 2018
Team Members	Shriya Narvekar, Swikruti Kore and Abhijeet Chougule
Brief Description	Indian folk dance
Benefit to Society	Enriching new generations with cultural heritage
Venue/Organization by Date	S.D.S.M. College, Palghar, 2018-19
Position Obtained	Third rank


Event Name	Eyantra 2019
Team Members	Kunal Mestry, Geeta Lad, Ankit Maurya, Tanmay Talele
Brief Description	Project on “An innovative approach for traffic analysis and management”,

Benefit to Society	It was able to overcome the disadvantages regarding the lack of adaptability and flexibility of some previous urban road traffic models and to respond to the increasing necessity to verify the behavior of traffic simulation models.
Venue/Organization by Date	A. C. Patil College of Engineering, Navi Mumbai on 28 th February 2019
Position Obtained	Selected for National finals (out of 364 only 20 teams shortlisted)
Photographs	 <p>Event: VIVA-Tech students at A.C. Patil college of engg. for e-Yantra</p>

Event Name	IIT Varanasi 2019
Team Members	Tanmay Talele, Nishant Pimple, Ashish Jethawa
Brief Description	Organized by Innovians technology, in association with Technex'19, IIT Varanasi India
Venue/Organization by Date	IIT Varanasi, 2019
Position Obtained	First Prize


Photographs	 <p>Event: VIVA-Tech students at IIT Varanasi</p>
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Event Name	Technex'19, Thadomal Shahani Engineering College 2019
Team Members	Tanmay Talele, Nishant Pimple, Ashish Jethawa, Juilee Bhombe
Brief Description	Organized by Innovians technology, in association with Technex'19, IIT Varanasi India
Benefit to Society	An outreach workshop of Technex'19, IIT Varanasi in association with Innovians technology, India
Venue/Organization by Date	Thadomal Shahani Engineering college, 7 th and 8 th September 2018
Position Obtained	Top Position
Photographs	 <p>Event: VIVA-Tech students at Thadomal Shahani engineering college, for IoT workshop</p>
Event Name	5 th National Project Exhibition, Paper Presentation cum Poster Presentation
Team Members	Suranjan Mhashilkar, Ankit Jain, Meraj Shaikh

Benefit to Society	Process of document verification will be easier and fast
Venue/Organization by Date	Universal college of Engineering, Kaman Rd., Vasai
Position Obtained	1 st Runner up
Photographs	 <p>Event: VIVA-Tech students at Universal college of engineering, for Paper cum Poster presentation</p>

Event Name	VNPS, VCET's National level project showcase 2019
Team Members	Onkar Nagarkar, Nisha Gurav, Pranali Bhoite
Venue/Organization by Date	VCET, 5 th April 2019
Position Obtained	1 st rank


Event Name	Innovation Mela, 2019
Team Members	Onkar Nagarkar, Nisha Gurav, Pranali Bhoite
Venue/Organization by Date	Atharva college of engineering, Malad, 14 th march 2019
Position Obtained	1 st Rank

Photographs	 <p>Event: VIVA-Tech students at Atharva college of engineering, for project presentation</p>
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Event Name	PRAKALP-2019
Team Members	Suranjan Deepak Mhashilkar Ankit Bharatbhai Jain Meraj Ajij Shaikh
Brief Description	YANAKA: digitize RTO document verification system
Benefit to Society	
Venue/Organization by Date	Intercollege project competition by SFIT , Borivali, 30 th March 2019
Position Obtained	2 nd
Photographs	 <p>Event: VIVA-Tech students at SFIT college, for project competition</p>

Event Name	CRESCENDO 2019 (IEEE CRCE)
Team Members	Onkar Nagarkar, Nisha Gurav, Pranali Bhoite
Venue/Organization by Date	Fr. Conceicao Rodrigues college of engineering, Bandra, 2019
Position Obtained	3 rd rank

Event Name	IET-INTECH 2019
Team Members	Onkar Nagarkar, Nisha Gurav, Pranali Bhoite
Venue/Organization by Date	K. J. Somaiya Institute of engineering, Vadala, 14 th march 2019
Position Obtained	1 st rank

Event Name	Imperia Project Competition 2019
Team Members	Dheeraj Prohit, Jay Patel, Praveen Prajapati
Venue/Organization by Date	CSI, VIVA Tech, Virar, 28 th March 2019
Position Obtained	2 nd Rank
Photographs	 <p>Event: Imperia Project Competition 2019, VIVA-Tech</p>

TOPPERS**Academic Year 2017-18****BE**

Rank	Student Name	CGPI/SGPI
1	LADE SHRUTI PRAMOD	8.32
2	WANKHEDE SHREYAS SUDHIR	8.08
3	DHUMAL AMRUTA SUNIL	7.98

TE

Rank	Student Name	CGPI/SGPI
1	CHAVAN KETAN	9.83
1	RAUT NEHA MAHESH	9.83
2	KAMBLE PRIYANKA	9.29
3	JAISWAL BRIJESHKUMAR	9.17

SE

Rank	Student Name	CGPI/SGPI
1	THAKUR RUCHA VIVEK	9.81
2	JOSHI KIRTI MANOJ	9.3
3	MOGAVEERA PRAJWAL MUTTHA	9.11

RECENT PUBLICATIONS BY STUDENTS IN AY: 2018-19

Sr.No	Author 1	Author 2	Author 3	Author 4	Paper Title	Published / Presented
1	Vijay Banerjee	Jui Telavane	Pooja Gaikwad	Pallavi Vartak	Detection of Cyberbullying using Deep Neural Network	ICACCS 2019
2	Rohit Bhalerao	Harsh Jani	Rachana Gaitonde	Vinit Raut	A novel approach to detection of Lung Cancer using Digital Image Processing and Convolution Neural Networks.	ICACCS 2019
3	Sarjak Chawda	Aditi Patil	Abhishek Singh	Ashwini Save	An Analysis of Clickbait Detection Techniques	7th National Conference on "Role of Engineers in Nation Building"
4	Deepal Thakur	Rajiv Tarsarya	Ashwini Save		Eat it, Review it: A New Approach for Review Prediction	VIVA-TECH International Journal for Research and Innovation
5	Deepal Thakur	Rajiv Tarsarya	Akshay Vaskar	Ashwini Save	A Survey on Text Prediction Techniques	National Conference on Roles of Engineers in Nation Building/ VIVA-TECH International Journal for Research and Innovation

6	Ketan Chavan	Ajay Parmar	Vishakha Hirve	Sunita Naik	A Survey on Hinglish Code-Mixed Text for Sentiment Analysis	7th National Conference on "Role of Engineers in National Building", International Journal of Engineering Research & Science (IJOER)
7	Mayur Bodar	Mihir Panchal	Sunny Maurya	Tatwadarshi Nagarhalli	Bankruptcy Prediction: A survey on Financial distress and Solution	International Journal of Engineering Research & Science (IJOER)
8	Mihir H. Panchal	Mayur B. Bodar	Sunny R. Maurya	Tatwadarshi P. Nagarhalli	An Innovative Approach to Predict Bankruptcy	VIVA-Tech International Journal For Research and Innovation
9	Aditya M. Pujari	Rahul M. Dalvi	Kaustubh S. Gawde	Dr. Tatwadarshi P. Nagarhalli	SCCAI- A Student Career Counseling Artificial Intelligence	VIVA-Tech International Journal for Research and Innovation
10	Vaibhav v joshi	Aman sharma	Rahul suvarna	Umesh Mohite	Driver drowsiness detection using eye and neck analysis	IJOER
11	Vaibhav joshi	Aman sharma	Rahul suvarna	Umesh Mohite	Driver drowsiness detection using eye and neck analysis	NCRENB

12	Rohit Y. Bhalerao	Harsh P. Jani	Rachana K. Gaitonde	Prof. Vinit Raut	A Novel Approach For Detection Of Lung Cancer using Digital Image Processing and Convolution Neural Networks	International Conference on Advanced Computing and Communication Systems
13	Shriya Narvekar	Ameya Patil	Jagruti Patil	Saniket Kudoo	Prognostication of breast cancer using data mining and machine learning	International Journal of Advance Research, Ideas, Innovation in Technology
14	Sahil Angwalkar	Suhas Chaubey	Raj Mehta	Pallavi Vartak	A Survey on Hindi Character Recognition	National Conference on Role of Engineers in Nation Building, NCRENB 2019
15	Priyanka Kamble	Neha Raut	Apurva Raut	Sunita Naik	Survey on Data Recovery Using Robust Reversible Watermarking	NCRENB/IJORI
16	Arjun Chauhan	Akash Gupta	Brijeshkumar Jaiswal	Janhavi Sangoi	A Survey on Sentiment Analysis with the help of Sarcasm	National Conference on Role of Engineers in Nation Building, NCRENB 2019
17	Siddhesh Thakur	Amruta Bhandari	Rahul Gorad		An Innovative Smart Assistance Footwear for Visually Impaired People	7th National Conference on Role of Engineers in Nation Building (NCRENB)

18	Krutika Diwale	Chinmay Devdhekar	Kaushik Patil	Prof. Reshma Chaudhari	E-Doctor : An innovative approach for disease prediction	National conference on Role of Engineers in Nation building; NCERNB- 2019
19	Suranjan Deepak Mhashilkar	Ankit Bharatbhai Jain	Meraj Ajij Shakih	Prof. Reshma Chaudhari	Study of Digitize RTO Document Verification System	Conference on Role of Engineers in Nation Building, NCRENB-2019-024
20	Suranjan Deepak Mhashilkar	Ankit Bharatbhai Jain	Meraj Ajij Shaikh	Prof. Reshma Chaudhari	Study on Digitize RTO Document Verification System	Role of Engineers in Nation Building" organized by VIVA Institute of Technology, Mumbai
21	Pranali S. Bhoite	Nisha U. Gurav	Onkar K. Nagarkar	Prof. Reshma R. Chaudhari	SPARSH: Smart Protecting Active Relevant Security Aid	NCRENB 2019
22	Sankita Hate	Tejal Patil	Praneeta Pitale	Dr. Tatwadarshi Nagarhalli	survey on an innovative approach cardiovascular heart disease prediction using machine learning	NCRENB
23	Geeta Lagad	Ankit Maurya	Kunal Mestry		An Analysis of Various Deep Learning Algorithm for Image Processing	National Conference on Role of Engineers in Nation Building

24	Pravin Suresh Patil	Gaurav Avkirkar			ASL Recognition Using Smart Glove	International Journal of Engnerring research and science
25	Rajnath Yadav	Kuldeep Yadav	Naveen Yadav	Dnyaneshwar Bhabad	Securing Files on Cloud through Hybrid Cryptography	National Conference on Role of Engineers in Nation Building
26	Pratibha Patole	Juiley Raut	Shraddha Ugale	Prof. Umesh Mohite	FOODMESH: A N INTELLIGENT CHATBOT	National conference on Role of Engineers in Nation Building , NCRENB 2019
27	Vaibhav Joshi	Aman Sharma	Rahul Suvarna		Driver Drowsiness Detection Using Eye And Neck Analysis	NCRENB
28	Mandar Sankhe	Vishal Singh	Shubham Shetkar	Prof. Umesh Mohite	Classify and Recognize Non Living Objects Using Image Classification Technique	National Conference on Role of Engineers in Nation Building
29	Vishal Bhonsle	Priya Sapkal	Dipesh Mukadam	Prof. Vinit Raut	Subjective Answer Evaluation using Data Mining & Semantics	NCRENB 2019

30	Vishal Bhonsle	Priya Sapkal	Dipesh Mukadam	Prof. Vinit Raut	Subjective Answer Evaluation Using Data Mining And Semantics	National Conference On Role of Engineers In Nation Building (NCRENB) 2019
31	Rohit Y. Bhalerao	Harsh P. Jani	Rachana K. Gaitonde	Prof. Vinit Raut	A Survey on Lung Cancer Detection Techniques	NCRENB
32	Atharva T. Karnik	Harshal R. Patil	Rushikesh R. Lokhande	Prof. Vinit Raut	A Distinctive System for Cricket Predictions Using Machine Learning and Data Analysis	National Conference on Role of Engineers in Nation Building
33	Linesh Barswade	Jay Deherkar	Vrishesh Arekar	Prof. Saniket Kudoo	Prediction Of Stock Market using Deep Learning	National Conference On Role of Engineers in Nation Building
34	Pranali S. Bhoite	Nisha U. Gurav	Onkar K. Nagarkar	Reshma R. Chaudhari	SEKTROO :Smart Automated Pesticide Sprinkling Bot	3rd International Conference on Trends in Electronics and Informatics
35	Ketan Chavan	Ajay Parmar	Vishakha Hirve	Sunita Naik	Hinglish Code-Mixed Text: A Novel Sentiment Analysis Model	3rd International Conference on Trends in Electronics and Informatics (ICOEI 2019)

36	Shraddha Ugale	Pratibha Patole	Juiley Raut	Prof.Umesh Mohite	FoodMesh:An Intelligent Chatbot	National conference on role of engineers in nation building (NCRENB) by viva institute of technology
37	Ketan Chavan	Ajay Parmar	Vishakha Hirve	Sunita Naik	Hinglish Code-Mixed Text: A Novel Sentiment Analysis Model	3rd International Conference on Trends in Electronics and Informatics (ICOEI 2019)

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