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

2020-21

THE NEWSLETTER OF COMPUTER ENGINEERING DEPARTMENT

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, IJOER, 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 modelling 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 2020-21

Sr. No.	Name	Designation
1	Management	-
2	Dr. Arun Kumar	Principal
3	Ashwini Save	HOD, Computer Engineering Department
4	Sunita Naik	NBA Task Force 1
5	Janhavi Sangoi	Project Head
6	Reshma Chaudhari	NBA Task Force 1
7	Umesh Mohite	CSI Head
8	Monali Pimpale	Placement Coordinator
9	Deep Limbad	Student
10	Nitiket Shinde	Student
11	Neeraj Guhagarkar	Alumni
12	Amit Kanojia	Alumni
13	Sunil Rane	Parent
14	Subhash Salunke	Parent
15	Prachodaya Thakur	Industry Expert
16	Ankit Sangoi	Industry Expert

Student Testimonials

Name: Pranali Bhoite
Batch: 2019

I am Ms. Pranali, an alumnus of the Computer Engineering Department, four years but loads of new concepts introduced by faculty Members in a very simple way which helped to score a good CGPA. From mentors to guides (Final year project) HOD possesses another level of knowledge in their respective subjects. Apart from book/theoretical concepts, we got hands-on implementation of what is taught in the class via laboratories dedicated to the subject. Faculties boost students to do great research work and support them wherever required. Without their support I don't think I would have been what I am today. They played a major role by shortlisting the project to apply for the outhouse project. They were with me throughout the journey. We received prizes and participated in various competitions at (National level) because of their moral support. Unique ways to make students understand the tedious concepts and hand written notes just acts as cherry on the cake for students who struggle with the subject. Overall I would say that new students those who are enrolling should be tension free as they are in safer hands

Name: Utkarsha Pravin Pawar
Batch: 2020

My four years of computer engineering were an overall bundle of joy, happiness and full of memories. I got abundant knowledge about not only my study course but also about the real-life market demand. Skill training, personality development were the things that were taught the most. My department arranged many workshops related to core technical subjects and those which were demanded by us students as well. Career guidance was looked upon under the training and placement section where in the right path was shown to us with personal guidance and one on one conversation with the student by taking into consideration his/her interest, skills and the type of job the student wants to do. Our faculty used to accompany the students personally on the day of the interview and aptitude as well. To assure better placements college even arranged lectures for confidence boosting, English speaking, verbal, quants and coding as

well. The best part about these four years was we had a mentor for every one of us to speak up to the professor personally about the issues or the problems that we are facing. Mentor meetings used to be held occasionally without fail in which the mentor used to take up small group wise activities where in removal of stage fear through public speaking, debates or discussions took place. The mentor used to keep the record of us and timely update was given to HOD. Our HOD personally gave attention to every single student of the batch. Attendance follow up, parent teachers meet and student's behavioural aspect with his/her grade improve, active participation was all recorded by HOD mam where she gave personal attention to every student. Extra lectures were taken by the staff for the weak students. Doubt solving lectures too were scheduled accordingly. Inter collegiate activities too were the part of education which included many technical competitions like the hackathon, project presentation and non-technical competitions like the youth festival. All the teachers helped and supported us during the preparation of any competition. They even accompanied the students during the day of the competition. Project guides encouraged us to publish technical papers in the international journal like IEEE and national journal like the NCRENB. Follow up of every small event or projects used to be done every week. College even organised fests, annual day function and events both the technical like the Techfest and non-technical along with sports gathering for the students. The most important thing is college provided with library along with the digital one where the librarian personally used to download and send the e-copy to the students. Canteen facility, huge sports grounds, big campus surrounded by plenty trees in the beauty of the nature and best teachers gave us everything that a student wishes for. The teachers were kind, caring and most importantly helping in nature even gave some financial support to students in need. Talking to our teachers was equal to talking to a counsellor where they explained and gave us the correct path in a friendly way whenever we were in need. Teachers kept the environment of the classroom joyful giving us abundant knowledge. Teaching was great, every professor completed the syllabus and accordingly practical's were performed without fail. Discipline, following rules and regulations were prioritized. Yoga day, swami Vivekananda born day, tree plantation drive, etc were all celebrated with whole enthusiasm. College also arranged guest lectures where they called Dr. Prakash Baba Aamte, etc. College trained us to be better individuals with everything they taught, we are lucky to be a part of this family. All I am today is because of the individual attention that our teachers gave on us and I thank everyone as you all moulded us into the best version of ourselves.

Name: Gaurav Vijay Suryawanshi
Batch: 2020
Designation: System Engineer at Infosys

I really feel great to write here, I am honored to be an ex-student of the Institute, and Thank you for the efforts that you all have put in me to make sure my future gets brighter than ever, I am really thankful to the department for supporting and always pushing me towards the success, Professors of the department taught us to visualize how success looks. Teaching by the

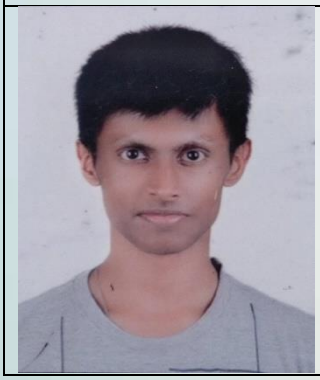
professors was a very enthusiastic and innovative approach which made the subjects more interesting to study and ace the academics, Professors helped me to develop a problem-solving attitude with a positive attitude which will be a life lesson for sure. Apart from teaching and academics, Professors were very kind and talented in other activities, coordinating with students in extracurricular activities helped me to learn interpersonal skills which made the student-professor relation more friendly and transparent. The Institute has a mentor system where a group of students is assigned to one professor, the department was slightly different, every professor was like a mentor to me.

"The Professors here are astounding and there are always willing to support you in anything you need. It can be overwhelming as a student but also exciting because you know you'll be learning a lot from the professors, department, friends"

Name: Sanjana Shyam Desai
Batch: 2021
Designation: Currently Pursuing Master's Degree in Computer Science at University of Texas, Dallas

It was my immense luck and fortune that I got into VIVA Institute of Technology where I can grow. The professors of the Department helped not only me but everyone to enhance their academic as well as interpersonal skills. Professors have some innovative style of teaching what made learning here more interesting. They taught us how to look at problems and solve them in innovative way. The Department helped me a lot to develop my personality by providing various platforms to prove myself.

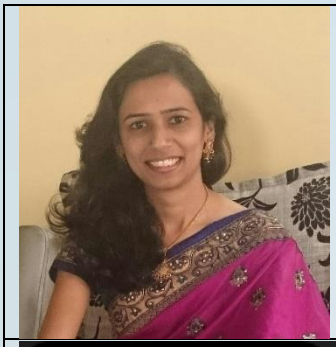
They have proper schedule fixed for each and every subject, so because of that it was easy for me to give time to every subject and to think about the higher studies and also prepare for it. Because of VIVA Institute of Technology today I find myself in a very fulfilling position career wise and as an individual. I my glad to be part of this college.



Name: Vishal J Bangera
Batch: 2020
Designation: Associate System Engineer Trainee at TCS for Posten Norge Project

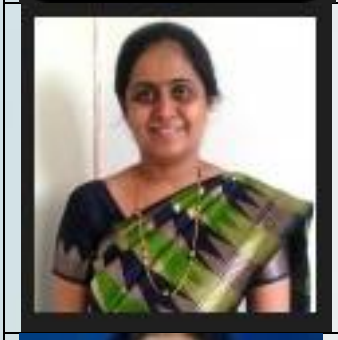
The departments are supportive and encourage extracurricular activities, both technical and non-technical. Different workshops are helped me to gain hands on experience of technologies. They are also focus on academics. Extra sessions are held for students who are weak in any subject. Feedback sessions are held to keep the teaching process up to the mark. Parent teacher meetings are held every year to keep the parents in the loop

Department Faculty



Name: Prof. Ashwini Save
Designation: HOD
Qualification: PhD. Comp. Engg. (Pursuing), ME Comp. Engg., BE Inft, PGDBA
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
Research Interests: Image Processing, HCI, Project Mgmt



Name: Prof. Sunita Naik
Designation: Asst. Prof.
Qualification: ME Comp. Engg., BE Inft.
Research Interests: Database management System, Data Mining, Image Processing, Distributed Computing

Name: Prof. Janhavi Sangoi
Designation: Asst. Prof.
Qualification: ME Comp. Engg., BE(Inft)
Research Interests: Data warehouse, Data Mining, Security

Name: Prof. Reshma Chaudhari
Designation: Asst. Prof.
Qualification: ME EXTC , BE EXTC
Research Interests: Mobile Communication, Digital Signal Processing

Name: Dr. Tatwadarshi P. Nagarhalli
Designation: Asst. Prof.
Qualification: PhD Sanskrit, ME Comp. Engg., MA Sanskrit, PGDBA, BE(Inft)
Research Interests: Data Security, Artificial Intelligence, Machine Learning, Data Mining, Project Mgmt, NLP

Name: Prof. Dnyneshwar Bhabad
Designation: Asst. Prof.
Qualification: ME Comp. Engg, BE Comp. Engg.
Research Interests: Data Mining, Big Data, Cloud Computing, IOT

Name: Prof. Umesh Mohite
Designation: Asst. Prof.
Qualification: ME Comp. Engg., BE Comp. Engg
Research Interests: Microprocessor, Data and Network Security, Cryptography

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

Recent Publications by Faculty

Sr. No.	Name of the faculty	Paper Title	Published / Presented
1	Ashwini Save	Buddy Scanner – A Scanning Application	IEEE EMERGING TECHNOLOGIES 2021
		A Comparative Study of Different Scanning Applications and Flutter Plugins for the Application Designing	NCRENB-2021
		DEEPFAKE DETECTION TECHNIQUES: A REVIEW	ICSADL 2021
		A Novel Approach to Detect Low Quality Deepfake Videos	NCRENB-2021
2	Pallavi Vartak	Mobile Application for Donation of items	NCRENB-2021
		Categorise Balanced Dataset for Troll-Detection	
3	Sunita Naik	Criminal Identification for Low Resolution Surveillance	NCRENB-2021
		A Deep Learning Model For Crime Surveillance In Phone Calls	
4	Janhavi Sangoi	An Advanced Farm Security System using Internet of Things and Image Processing	NCRENB 2021
		Survey of a symptoms monitoring system for covid-19	
5	Reshma Chaudhari	A SOS Based Application For Travelers To Travel Alone	NCRENB 2021
		Enhancement Of Agricultural Stakeholders By Using Android Application	
6	Dr. Tatwadarshi P. N.	Review of Pose Recognition Systems	NCRENB-2021
		Survey of accident detection system	
7	Dyaneshwar Bhabad	NLP Based Interview Assessment System	NCRENB-2021
		SMARTPORTAL: Student Profile Creation, Evaluation and Clustering	
8	Umesh Mohite	A Comparative Study Of Different File Sharing Applications And Wi-Fi Direct Technology For File Sharing	NCRENB-2021

		Speech Automated Examination for Visually Impaired Students	
		Shortest Route Finding Ambulance System	
9	Vinit Raut	Sparsity and matrix factorization in recommendation system	International Journal of advance Research in Computer and Communication Engineering
		People Monitoring and Mask Detection using Real-time Video Analyzing	NCRENB-2021
		Providing Secure Cloud For College Campus	
10	Saniket kudoo	Livestock Disease Prediction System	NCRENB 2021
		A Hybrid Approach For Phishing Website Detection Using Machine Learning	
		Criterion Based Automatic Generation of Question Paper	
11	Bhavika Thakur	A survey on Internet of Things (IoT) security: Challenges and Current status	NCRENB-2021

Faculty Role and Responsibilities

Name of Faculty	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 Programs / Seminars / Workshops attended by Faculty

Sr. No.	Name	Training Programme
1	Ashwini Save	• Analytics • ANN & Its MATLAB
9	Vinit Raut	• Cyber Security • Python Django • Importance of Personality Development and Grooming Skill • Technology - How it is going to impact Education in the Future?
11	Akshata Raut	• Advanced Computing and Communication Technologies for Industry 4.0 • Faculty orientation program on "Digital Logic and Computer Organization and Architecture" • E-content creation and streaming using OBS studio and Stramyard

Laboratories

No.	Laboratory Name	Lab No.	Location
	Server Room		A-301
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-307
6	Programming Lab	E6	A-308
7	Operating System Lab	E7	A-309
8	Language Lab	E8	A-310

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 from 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. Parents Meet'20-21

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.

5. Technical Magazine

(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.

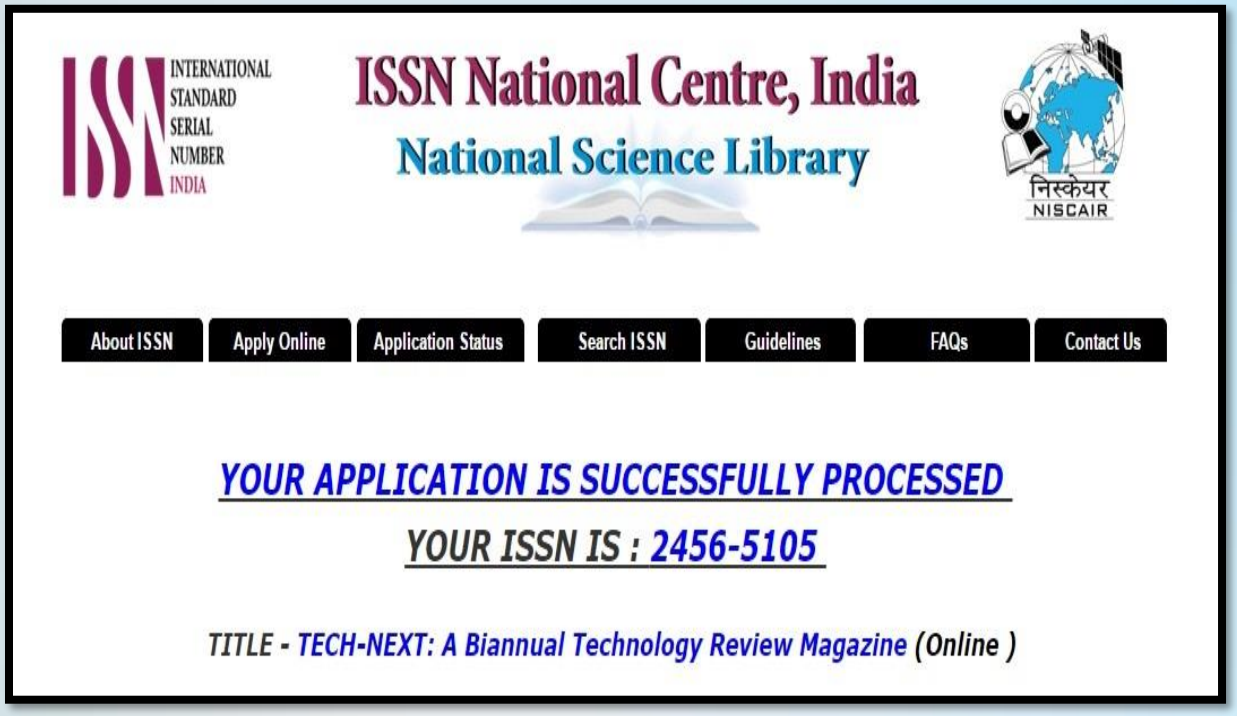
The department was also able to secure International Standard Serial Number (Online) for the technical magazine as well, **ISSN (Online): 2456-5105**.

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.



2. Webinar on UI/UX – 23/02/2021

The CSI-VIVA successfully organized the event Webinar on UI/UX at the Computer Engineering Department, VIVA Institute of Technology. The event was conducted by B.E Student Mr. Aashish Jethwa, who was very knowledgeable about the process involved in UI/UX Development and was attended by Computer Engineering students. The event was conducted to encourage students and to improve their technical and general knowledge on platforms used for UI/UX Development i.e Figma.

He covered Figma from the very basics, starting by explaining to the students, the complete Interface of Figma, also covering various other elements such as Frame Selection and manipulation, and the complete overview and use of Figma Plug-ins, while also explaining Colour

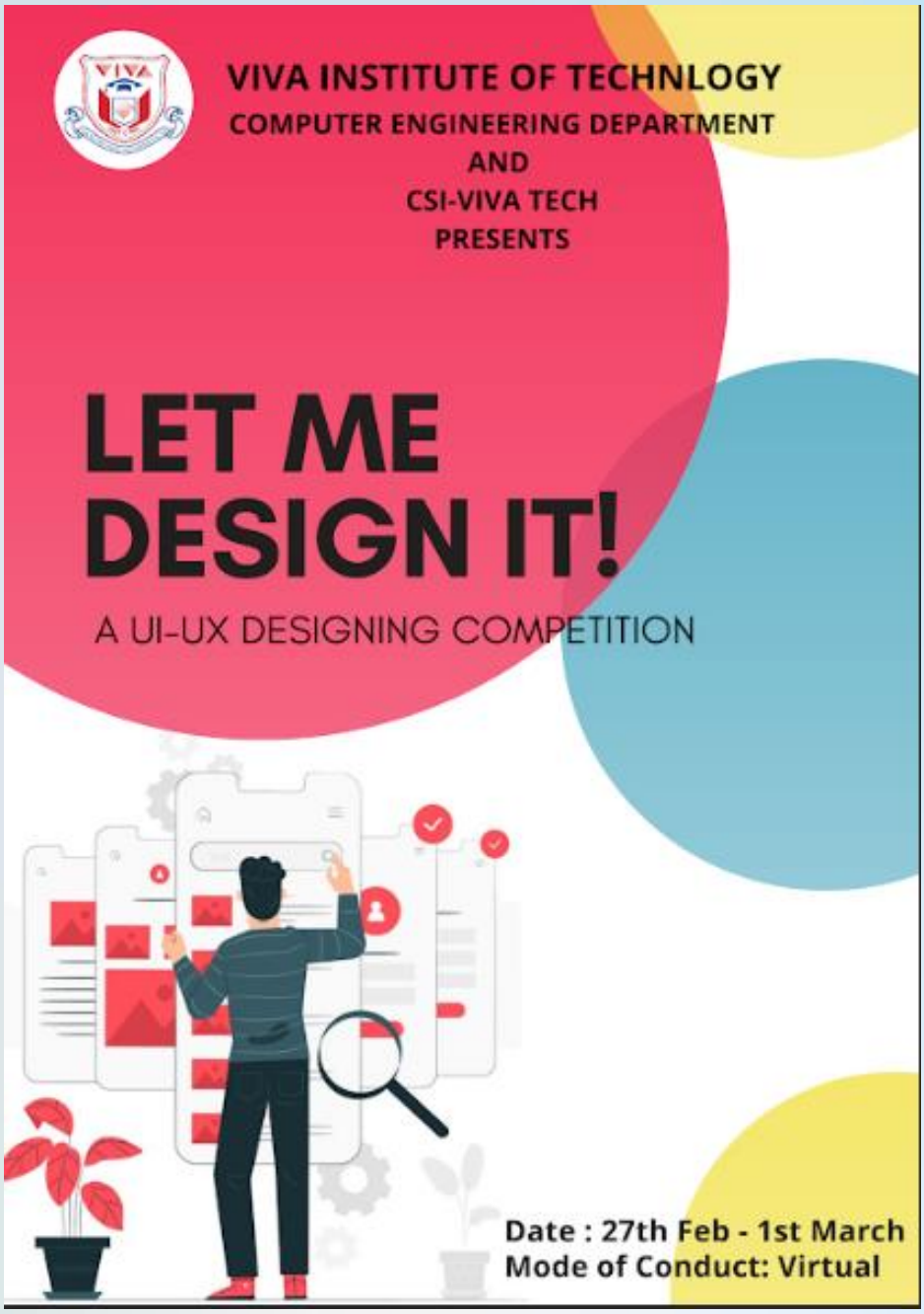
Science behind the colors chosen in most UI, along with teaching the implementation of Responsive Pages and Animation. Finally, discussions on how Figma designs can be translated to FlutLab Projects were done. There was a large participation from students of S.E, T.E and B.E Computer Engineering.
Overall it was an Informative event.

3. Let me Design It (Monthly Event) - 27/02/2021 & 05/03/2021

The CSI VIVA-tech successfully organized the event Let Me Design It - A UI/UX Design Competition 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 and to improve their presentation skills.

The Event was conducted in a Single round format where all Participants were given a span of 7 days in order to choose from a either making a Health App or an Ecommerce App and Design an UI on a Figma Board, which was then shared to the Judges using Google Forms, The entries were Judged on the basis of creativity, neatness of design and overall color Aesthetic. After which 3 winners were chosen from S.E, T.E and B.E respectively, There was large participation from students of S.E , T.E and B.E Computer Engineering. Winners were felicitated with Certificates.

Overall it was a challenging and Informative event.



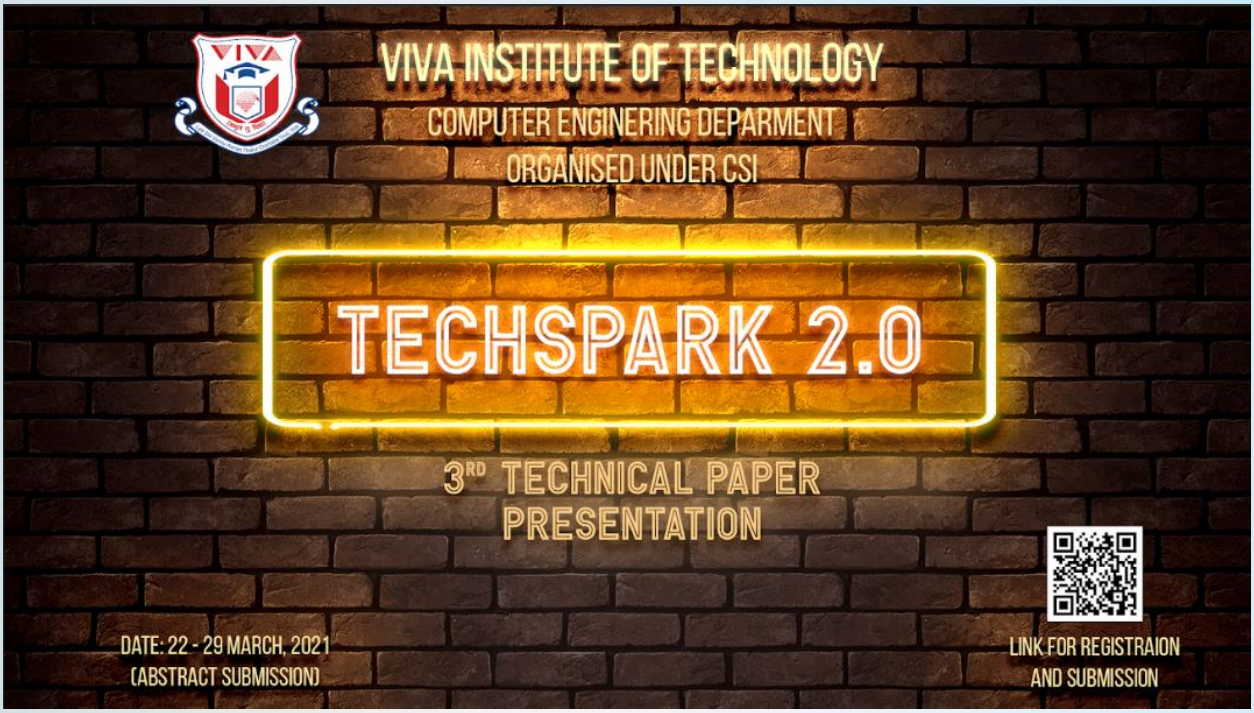
4. TechSpark 2.0- 19/04/2021 & 20/04/2021

The CSI VIVA-tech successfully organized the event Technical Paper Presentation at the 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 and to improve their presentation skills.

It covered the most important prerequisite for engineering students i.e. presentation skills and research skill as well as proper methodology 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 as well as a panel of judges online on Google Meet through PowerPoint presentation. There was large participation from students of S.E, T.E and B.E Computer Engineering. Winners were felicitated with Certificates.

Overall it was an interactive event.



BE Projects 2020-21

Sr. No.	Guide Name	Project Title
1	Ashwini Save	• Crowd Monitoring and Mask Detection System • A novel approach to detect low quality deepfake videos
2	Pallavi Vartak	• Garuda Drishti: A System To Detect and Notify Undesirable Activities • A Hybrid approach for phishing website detection using Machine Learning.
3	Sunita Naik	• Smart Portal: A platform for student's Profile Creation, Evaluation and clustering • Criminal Identification for Low Resolution Surveillance.
4	Janhavi Sangoi	• Secure Cloud For college campus • An Advanced Farm Security System using IOT and Image Processing
5	Tatwadarshi P.N.	• Criterion Based Automatic Generation and of Question Paper • Categorize balanced dataset for troll detection
6	Reshma Chaudhari	• Deep learning model for crime surveillance in phone calls. • Smart Ambulance Tracking and Alert System
7	Dnyaneshwar Bhabad	• Symptoms monitoring system for COVID-19 • NLP Based Interview Assessment System
8	Umesh Mohite	• House value forecast using machine learning Technique • Smart Agro App: Enhancement of Agricultural stakeholders for Nation Building • Transfer Application
9	Vinit Raut	• You Care • Smart Solo Travel • Intelligent Study App for visually impaired and blind users
10	Saniket Kudoo	• Buddy Scanner • Livestock Disease Prediction System • A Approach for accident detection with alerting system

Student Achievements for AY: 2020-21

Event Name	VCET's National Level Project Showcase (VNPS - 2021)
Team Members	Sanjana Desai, Swanand Vaishampayan, Neeraj Guhagarkar
Brief Description	A NOVEL APPROACH TO DETECT LOW QUALITY DEEPFAKE VIDEOS.
Benefit to Society	•System will help to detect low quality deepfake videos •People can use the system to detect the suspicious deepfake videos which are circulated online •Social media platforms can incorporate this system in their app/browsers so as to avoid the spreading of deepfakes. •It will help to avoid the false defamation of public figures
Venue/Organization by Date	Vidyavardhini's College of Engineering and Technology, Vasai, held on 14th May 2021
Position Obtained	1st Prize

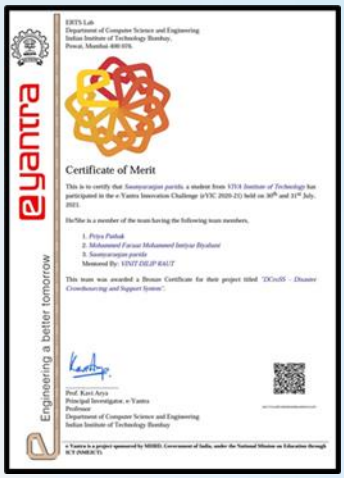
Event Name	NCRENB Paper Publication
Team Members	Sanjana Desai, Swanand Vaishampayan, Neeraj Guhagarkar
Brief Description	A NOVEL APPROACH TO DETECT LOW QUALITY DEEPFAKE VIDEOS.
Benefit to Society	•System will help to detect low quality deepfake videos •People can use the system to detect the suspicious deepfake videos which are circulated online •Social media platforms can incorporate this system in their app/browsers so as to avoid the spreading of deepfakes. •It will help to avoid the false defamation of public figures
Venue/Organization by Date	Viva Institute of Technology, Virar, held on 5-6 th March, 2021
Position Obtained	1st Prize

Event Name	Prakalp-2021
Team Members	Sanjana Desai, Swanand Vaishampayan, Neeraj Guhagarkar
Brief Description	•System will help to detect low quality deepfake videos •People can use the system to detect the suspicious deepfake videos which are circulated online

	• Social media platforms can incorporate this system in their app/browsers so as to avoid the spreading of deepfakes. • It will help to avoid the false defamation of public figures
Benefit to Society	Passing a social message
Venue/Organization by Date	St. Francis institute of technology, Borivali, held on 22nd April 2021
Position Obtained	Participated

Event Name	International Conference on Sentimental Analysis and Deep Learning (ICSADL2021)
Team Members	Sanjana Desai, Swanand Vaishampayan, Neeraj Guhagarkar
Brief Description	A NOVEL APPROACH TO DETECT LOW QUALITY DEEPFAKE VIDEOS.
Benefit to Society	•System will help to detect low quality deepfake videos •People can use the system to detect the suspicious deepfake videos which are circulated online •Social media platforms can incorporate this system in their app/browsers so as to avoid the spreading of deepfakes. •It will help to avoid the false defamation of public figures
Venue/Organization by Date	Tribhuvan University, Nepal and Prince of Songkla University, Thailand, held on 18-19 th March, 2021
Position Obtained	Certificate of Paper Presentation

Event Name	15th Inter-Collegiate / Institute / Department Avishkar Research Convention: 2020-21
Team Members	Sanjana Desai, Swanand Vaishampayan, Neeraj Guhagarkar
Brief Description	A NOVEL APPROACH TO DETECT LOW QUALITY DEEPFAKE VIDEOS.
Benefit to Society	•System will help to detect low quality deepfake videos •People can use the system to detect the suspicious deepfake videos which are circulated online •Social media platforms can incorporate this system in their app/browsers so as to avoid the spreading of deepfakes. •It will help to avoid the false defamation of public figures
Venue/Organization by Date	University of Mumbai
Position Obtained	Participated

Event Name	e-Yantra Innovation Challenge (eYIC) 2020-21
Team Members	Mohhamed Faraaz Biyabani, Priya Pathak, Saumyaranjan Parida
Brief Description	DCroSS - Disaster Crowdsourcing and Support System
Benefit to Society	Disaster Management
Venue/Organization by Date	IIT Mumbai
Position Obtained	Bronze category
Photographs	

Toppers

Academic Year 2020-21

BE

Rank	Student Name	CGPI/SGPI
1	KANOJIA AMIT	9.53
2	MALGUNDKAR HARSHALI	9.23
3	TIRODKAR PRATHMESH	9.19

TE

Rank	Student Name	CGPI/SGPI
1	GUPTA AMIT	9.37
1	SAMANI MOHAMMAD HAMID AMJAD ALI	9.29
2	SHINDE NITIKET	9.22

SE

Rank	Student Name	CGPI/SGPI
1	RAUT AKSHITA	10
2	MAKWANA MEET	9.79
3	MANDEKAR HEMAKSHI	9.67

Placement Records 2020-21

SR NO.	NAME OF STUDENT	COMPANY	DESIGNATION	PACKAGE
1	SAURABH ABAJI HADPE	Accenture	Application Development Associate	4.5 LPA
2	SAILY JAYRAJ KINI	Capgemini	Analyst	3.8 LPA
3	FAIZ HARUN SHAIKH	Capgemini	Analyst	3.8 LPA
4	PRATIKSHA GANPAT ANGCHEKAR	Capgemini	Analyst	3.8 LPA
5	AASHISH MAHESH JETHWA	Godrej Infotech	Senior Executive	3.2 LPA
6	SAURABHKUMAR LALBAHADUR MAURYA	Instict Innovations	Data Engg	2.32 LPA
7	GEETANJALI DILIP JADHAV	Instict Innovations	Data Engg	2.32 LPA
8	PRATHMESH GAJANAN TIRODKAR	LTI	Graduate Engg Trainee (I)	10 LPA
9	JAY MAHESH PATEL	LTI	Graduate engg trainee	10 LPA
10	HARSHALI SUNIL MALGUNDKAR	LTI	Graduate engg trainee	5 LPA
11	SHUBHAM SUBHASH WARANG	Nucsoft	software engg	2.6 LPA
12	NIKHIL PRASHANT GHADSHI	Qualitykiosk	Digital Quality Engineer (Grade: A3)	3 LPA
13	JUILEE PRAFULLA BHOMBE	Raw Engineering	Associate Application developer	3.80 LPA
14	SANIYA PRASHANT PATIL	TCS	Assistant System Engineer-Trainee	3.36 LPA
15	YADAV GRISHMA SUNIL	TCS	Assistant System Engineer-Trainee	3.36 LPA
16	DEVASHISH PRAVIN SHETTY	TCS	Assistant System Engineer-Trainee	3.36 LPA
17	DISHA SANJAY SAKRE	TCS	Assistant System Engineer-Trainee	3.36 LPA
18	VISHNU JITENDRA JHA	TCS	Assistant System Engineer-Trainee	3.36 LPA
19	AMIT CHAGANLAL KANOJIA	TCS, Accenture	Assistant System Engineer-Trainee	3.36 LPA, 4.5LPA
20	SHUBHAM SURESH BELEKAR	Technowin IT Infra	Trainee	2.5 LPA

21	KHYATI RAJESH BARIA	Technowin IT Infra	Trainee	2.5 LPA
22	SHRIDHAR VITTHAL BELAMKAR	Technowin IT Infra	Trainee	2.5 LPA
23	RUTIKA GANESH NAIK	Vistaar	Trainee	3.30 LPA
24	TUSHAR MANSUKH VAGHASIYA	Vistaar	Trainee	3.30 LPA
25	DAKSH PARESH ASHAR	Vistaar	Trainee	3.30 LPA
26	RITIK SANTOSH GAIKWAD	Vistaar	Trainee	3.30 LPA
27	JATIN SANJAY KADAM	WIPRO	Project Engineer	3.5 LPA
28	SAYLEE RAMESH GHADI	TechMahindra	Associate Software Engineer.	2.6 LPA
29	PRANAV MAHADEOKAR	Infosys	Systems Engineer	3.6 LPA

Recent Publications by Students in AY: 2020-21

Sr. No	Author 1	Author 2	Author 3	Author 4	Paper Title	Published / Presented
1	Daksh Ashar	Amit Kanojia	Rahul Parihar	Prof. Saniket Kudoo	Livestock Disease Prediction System	NCRENB-2021
2	Raj shah	Heena Shaikh	Devashish Shetty	Dr. Tatwadarshi Nagarhalli	Survey of accident detection system	NCRENB-2021
3	Saniya Prashant Patil	Grishma Sunil Yadav	Shrutika Devdas Kudalkar	Prof. Sunita Naik	Criminal Identification for Low Resolution Surveillance	National Conference On Role of Engineers in Nation Building
4	Abhishek Khaire	Pranav Mahadeokar	Praveen Kumar Prajapati	Prof. Sunita Naik	A Deep Learning Model For Crime	NCRENB 2021
5	Faiz Shaikh	Vandan Raval	Harsh Kansagara	Prof. Saniket Kudoo	A Hybrid Approach For Phishing Website Detection Using Machine Learning	NCRENB 2021
6	Shantilal Sen	Manali Patil	Sejal Ravankar	Prof. Janhavi Sangoi	Survey of a Symptoms Monitoring System for Covid-19	NCRENB 2021
7	Vishnu Jha	Jatin Kadam	Gitanjali Jadhav	Prof.Saniket Kudoo	Criterion Based Automatic Generation of Question Paper	NCRENB 2021

8	Khyati Rajesh Baria	Saurabh L Maurya	Rohit Kamlesh Yadav	Prof. Umesh Mohite	A Comparative Study Of Different File Sharing Applications And Wi-Fi Direct Technology For File Sharing	NCRENB 2021
9	Nikhil Ghadshi	Bhagyashree Gangan	Pratiksha Angchekar		A SOS BASED APPLICATION FOR TRAVELERS TO TRAVEL ALONE	NCRENB
10	Rahul Rajput	Shubham Belekar	Karan Gharat	Prof. Pallavi Raut	Mobile Application for Donation of items	NCRENB 2021
11	Sanket Memane	Sunetra Mhaskar	Atif Khan	Prof. Umesh Mohite	Speech Automated Examination for Visually Impaired Students	National Conference on Role of Engineers in Nation Building
12	Saily Kini	Saurabh Hadpe	Vishal Rasal		An Advanced Farm Security System Using Internet Of Things And Image Processing.	NCRENB 2021
13	Jay Patel	Disha Sakre	Dheeraj Purohit	Prof. Dnyaneshwar Bhabad	NLP Based Interview Assessment System	NCRENB 2021
14	Prathmesh Gajanan Tirodkar	Harshali Sunil Malgundkar	Saylee Ramesh Ghadi	Prof. Ashwini Save	Buddy Scanner – A Scanning Application	IEEE 2nd INTERNATIONAL CONFERENCE OF EMERGING TECHNOLOGIES 2021

15	Harshali Malgundkar	Prathmesh Tirodkar	Saylee Ghadi	Prof. Ashwini Save	A Comparative Study of Different Scanning Applications and Flutter Plugins for the Application Designing	NCRENB-2021
16	Sushant Yashwant Baperkar	Rushikesh Milind Jadhav	Snehal Subhash Kamble	Prof. Umesh Mohite	Shortest Route Finding Ambulance System	NCRENB 2021
17	Dilip Yadav	Tushar Vaghasiya	Savita ravate	Prof. Vinit Raut	Sparsity and matrix factorization in recommendation system	International journal of advance research in computer and communication engineering
18	Deepali Chavan	Shrushti Gaikwad	Ashvini Mali		Enhancement Of Agricultural Stakeholders By Using Android Application.	NCERNB- 2021
19	Neeraj Guhagarkar	Sanjana Desai	Swanand Vaishampayan	Prof. Ashwini Save	DEEPFAKE DETECTION TECHNIQUES: A REVIEW	NCRENB 2021
20	Neeraj Guhagarkar	Sanjana Desai	Swanand Vaishampayan	Prof. Ashwini Save	A Novel Approach to Detect Low Quality Deepfake Videos	ICSADL 2021
21	Naik Rutika Ganesh	Warang Shubham Subhash	Pawar Sneha Gorakhnath	Prof. Dnyaneshwar Bhabad	SMARTPORTAL: Student Profile Creation, Evaluation and Clustering	NCRENB 2021

22	Shridhar Belamkar	Hitesh Darade	Qureshi Umair	Prof. Vinit Raut	Providing Secure Cloud For College Campus	NCRENB 2021
23	Juilee Bhombe	Aashish Jethwa	Aditya Singh	Dr. Tatwadarshi P. N.	Review of Pose Recognition Systems	NCRENB 2021
24	Bhagyashree Gangan	Nikhil Prashant Ghadshi	Pratiksha Angchekar	Prof. Reshma Chaudhari	A SOS Based Application For Travelers To Travel Alone	NCRENB 2021
25	Yogesh Arjun Gowari	Ritik Santosh Gaikwad	Aniket Shankar Gurav	Prof. Vinit Raut	People Monitoring and mask detection using real time video analyzing	NCRENB 2021
26	Nidhi Singh	Namit Rasalkar	Prashant Singh	Prof. Pallavi Raut	Categorize Balanced Dataset for Troll-Detection	NCRENB 2021

Contact

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