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REFLECTIONS

A glimpse of hybrid era ...



THE EXTC TIMES

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MESSAGE FROM THE DEPARTMENT



Mr. Mrugendra Vasmatkar
(Assistant Professor, Electronics and Telecommunication Engineering (EXTC))

"Engineering is not only the study of 45 subjects but also a moral study of intellectual life."

In furtherance of the Government of India's vision of Aatmanirbhar Bharat and positioning India as the global hub for Electronics System Design and Manufacturing, The Union Cabinet has allocated an amount of ₹76,000 crores and declared the comprehensive program for supporting the development of a sustainable semiconductor and displayed ecosystem in the country. Soon India will see its first semiconductor unit. The impact of this decision will extend new horizons for Electronics and Telecommunication(EXTC) engineers. It will unlock many manufacturing, programming, and development opportunities in VLSI and Chip design. The EXTC Department also wants to capitalize on this opportunity and train students in the VLSI and Chip design field. This year, we started collaborating with industries for VLSI projects to be completed as a part of the curriculum. It will unfurl new careers for aspirant students.

"Every student is a genius, but if you judge a fish by its ability to climb a tree. It will live its whole life believing that it is stupid."

It transpires due to today's cutthroat competitive world. Students get influenced by social media and the surrounding environment, and they quickly forget what they love and can do in engineering. Tinkering with hardware, exploring new ideas, and learning the latest techniques help the students to identify their field of interest and understand their strengths. Tinkerer's lab, EXTC, allows them to tinker in their area of interest. It gives them a chance to compete with today's technocratic world.

I firmly believe in luck: "Luck is when preparation meets opportunity." So, dream big, and work hard to achieve those dreams because it takes sweat, determination, and hard work.

FEATS OF THE DEPARTMENT

Project Exposition

- **Varun Bhat, Manasee Parulekar, and Bhuvana Raisinghani**, under the guidance of **Mrs. Manisha Chattopadhyay**, presented their creative proposition on “**Sign Language Translation for Video Conferencing Softwares**” in the International Conference of “**IIT Bombay and IEEE “TENSYP 2022”**”, held from **1st to 2nd July, 2022**. This proposal was shortlisted for poster presentation along with paper presentation.



L-R: Varun Bhat, Bhuvana Raisinghani, Mrs. Manisha Chattopadhyay (Mentor), Manasee Parulekar

- Under the guidance of **Mrs. Ashwini Sawant**, the team of students including **Arun Kumar, Farheen Khan, Riddhi Joshi, and Heeral Chumber** exhibited their project on the topic titled “**Solar-based water quality monitoring system for Fish farming**”. This project won the **2nd prize** in national level project competition **TECH4GOOD 2022**, organized by the **Directorate of Technical Education Maharashtra** and the **Joint Director of Technical Education regional office, Mumbai**, held on **22nd & 23rd April, 2022**. The theme for the event was “**Advanced Technological Innovations for Societal Good**” in collaboration with **Vivekanand Education Society's Institute of Technology** in association with **VESIT IIC, VESIT IQAC, and Dark Horse Digital**. It received prize money worth **Rs 15,000** (Rupees fifteen thousand).



L-R: Arun Kumar, Farheen Khan, Mrs. Ashwini Sawant (Mentor), Riddhi Joshi, Heeral Chumber

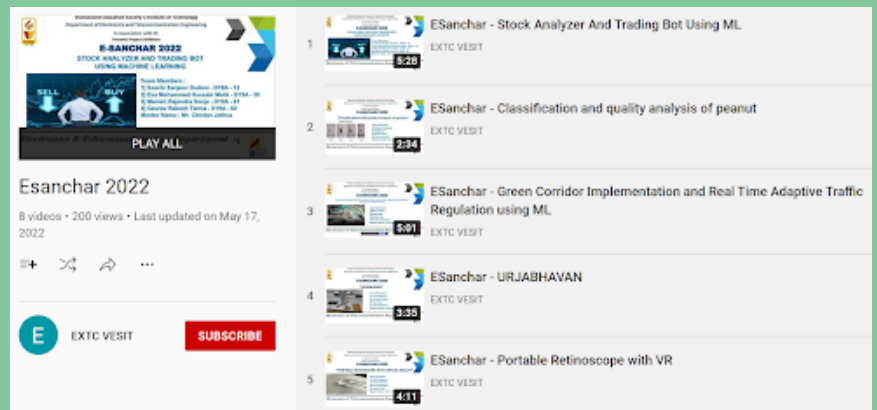
- Under the guidance of **Dr. Nandini Ammanagi**, the group of students including **Janhavi Bhagat, Shubham Gupta, Alhaad Velhal, and Ritika Raj** exhibited their project on the topic “**Microstrip Resonator as a Microfluidic Sensor for Blood Sugar Monitoring**”. This project was successfully presented on a National level at “**Pragati 2022**”, held from **11th to 13th March, 2022** at **SFIT, Mumbai**. This project was also displayed at the National project exhibition of “**TECH4GOOD 2022**”, held on **22nd & 23rd April, 2022** at **Vivekanand Education Society's Institute of Technology, Chembur, Mumbai**. The project was also exhibited at “**INTECH2K22**”, which was held on the same day at **K. J. Somaiya Institute of Engineering and Technology**.



L-R: Shubham Gupta, Janhavi Bhagat, Dr. Nandini Ammanagi (Mentor), Mr. Nitin Jadhav (Lab Assistant), Ritika Raj, Alhaad Velhal

E-SANCHAR 2022

In Association with IIC and IQAC, the department of Electronics and Telecommunication Engineering organized an Online Project Exhibition E-SANCHAR 2022 on 18th & 19th April, 2022. This event was successfully organized by Mrs. Manisha Joshi, Mrs. Ashwini Sawant, and Mrs. Neeta Chavan. The final year projects covered trending domains of the industry mainly IoT, Machine Learning and Image Processing and many more.



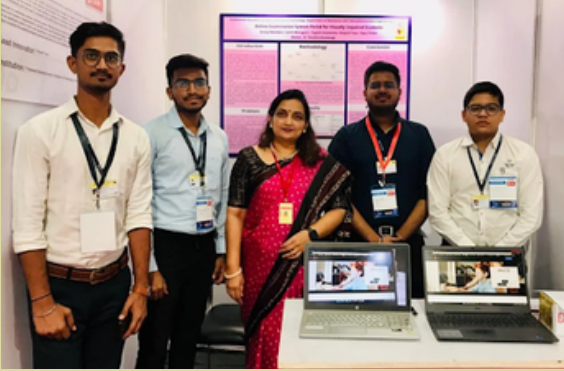
- The project “Driving assistant with crash detection and alert system using machine learning and IOT”, made by Varun Vicharay, Omkar Salunkhe, Siddhant Sawant, and Ayush Sachdev under the guidance of Mrs. Neeta Chavan secured the first place.
- The project “Urja Bhavan”, made by Kaustubh Salve, Tanvi Soni, Saheb Wadhwa, and Yusuf Kulkarni, under the guidance of Mrs. Ashwini Sawant secured second place.
- The project “Stock Market Prediction using Machine Learning”, made by Akshat Tiwari, Simran Jadhav, Kritika Pathak, and Shazia Shaikh, under the guidance of Dr. Ranjan Bala Jain secured third place.

CIIA Innovation

On the 29th and 30th of March, around 30 Teams from VESIT went to the Nehru Centre, Worli, to display their creative and innovative ideas at the CIIA Innovations Exhibitions. CIIA provides a platform on which the Innovation Creators, Potential Users of these Innovations, and the Innovation Promoters meet on one Platform to explore its utility in Industry, Enterprises, Startups, Research Institutions, Defense, Space, and other related fields. The innovations Exhibition by CIIA was one such platform for creative ideas to take flight and flourish.

The teams selected from EXTC for the exhibition:

- Online portal for blind students to give their assessments from home during the global pandemic



L-R: Yogesh Sonawane, Sarth Mitragotri, Dr. Nandini Ammanagi (Mentor), Tejas Thoke, Swapnil Taur

- Self Health Monitoring System (TRIMEDI)



L-R: Mr. Shobhit Khandare (Mentor), Varun Arya, Neha Makatti, V. Anuparvathi, Vasudha Sasikumar

- Smart Pill Dispenser



L-R: Aishvarya Birambole, Saakshi Karkera, Mrs. Neeta Chavan (Mentor), Risa Samanta, Isha Chavan

- Green Corridor Implementation and Real Time Adaptive Traffic Regulation using Machine Learning and Image Processing



L-R: Shikhar Raj, Aarya Naik, Anusha Srivastava, Mr. Shobhit Khandare (Mentor), Rohan Khare

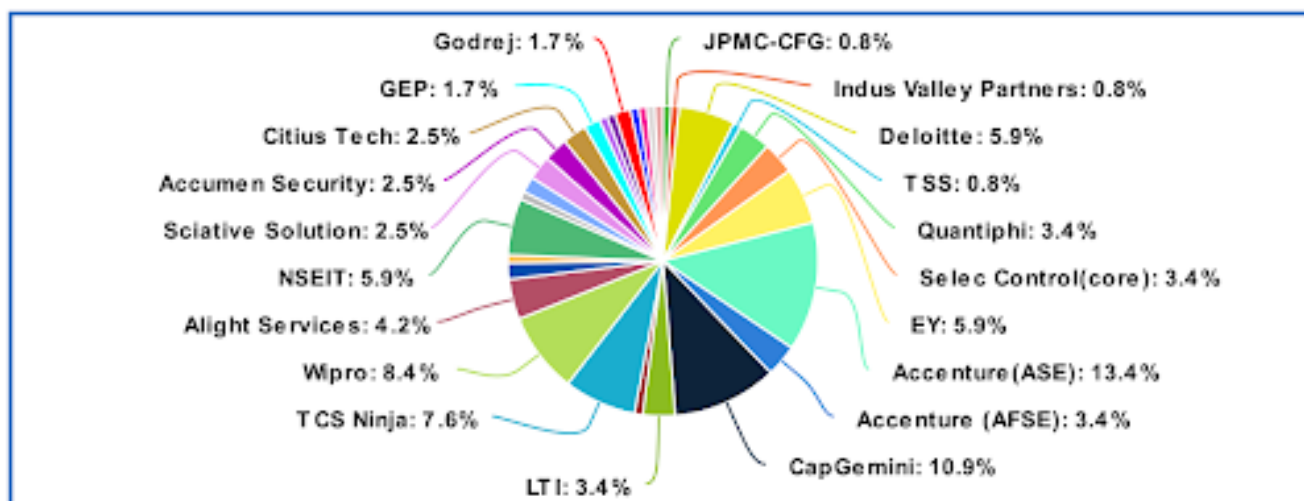
- Solar-based water quality monitoring system for Fish farming



L-R: Riddhi Joshi, Heeral Chumber, Mrs. Ashwini Sawant (Mentor), Farheen Khan, and Arunkumar Mariappan

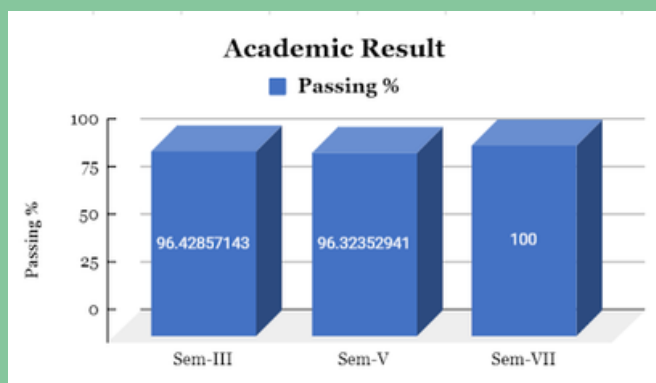
Placement Statistics

Campus placement holds are of utmost importance for students in today's competitive world. This academic year, EXTC students are placed in renowned organizations with very good packages. A total of **36 companies** visited the college and a total of **119 offers** from various companies like **JPMC CFG, IVP, Deloitte, TSS, Accenture, LTI, Capgemini, Quantiphi, EY, TCS, Wipro**, etc. were given. These include **34 dream job offers**. Details are as follows:

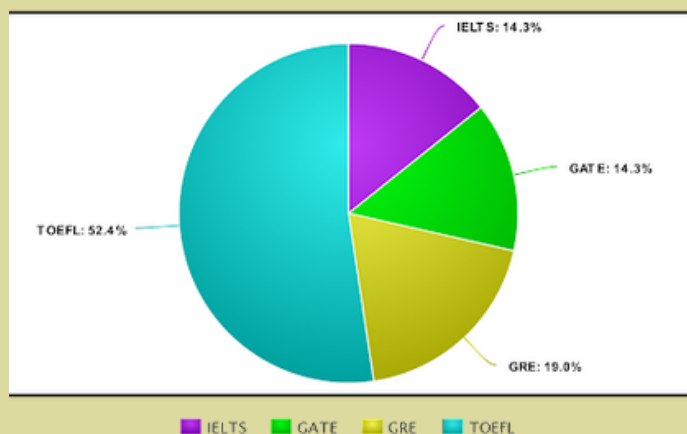


Academic Results

Students of the EXTC department have once again proved themselves by displaying excellent outcomes. The department feels elated to announce a **100%** result by the **final year students** in the odd semester. The **second year**, and **third year students** have also performed satisfactorily well in the examinations and achieved a **96.43%** and **96.32%** result respectively in the odd semester. Applauds to all the students for acing the examinations.



Competitive Exams



For some students, learning never exhausts the mind. This year also, students of the department have put their hard work and proficiency to its best and have prepared for various competitive exams. A total of **21 students** from the **final year** of the EXTC department have appeared and qualified in various competitive exams.

Higher Studies

Benjamin Franklin has clearly stated that “An investment in knowledge pays the best interest”. Higher studies help to develop the skills and knowledge needed to succeed in today’s world. Various students who have passed out from the Electronics and Telecommunications (EXTC) department opted for their higher education as follows:

Sr. no.	Name of student	University
1.	Aman Kadam	University College of Dublin
2.	Madhumita Menon	University of Manchester
3.	Harshit Joshi	Syracuse University
4.	Ishika Misal	Boston University
5.	Sameer Nimse	Northeastern University
6.	Pranav Pawar	Southern Methodist University
7.	Mansi Kasar	Indiana University-Purdue University Indianapolis
8.	Manasee Parulekar	University of Southern California
9.	Muskaan Bhargava	North Carolina State University
10.	Satadru Debnath	University of Texas at Austin
11.	Veerabh Mahadik	Rochester Institute of Technology
12.	Aarya Naik	University of Southern California
13.	Pendyala Sri Mahalakshmi	University of Texas at Dallas

FACULTY ACHIEVEMENTS

Patent

Mrs. Manisha Joshi (inventor) published the patent titled '**Electronic Vision Assistance system**' (Patent no.: 201821041037A) along with her co-inventors including **Mrs. Shoba Krishnan, Prem Kumar Joshi, Sanket Agarwal, Pawan Ailani, Harsh Shambhwani, and Amit Israni** on **30th October 2018**. This patent had the description of the system (100) of the present invention that facilitates the blind user to have normal social interactions without the need to touch the face of a person to recognize him/her, using a convenient wearable device.

Research Papers Published

- **Mrs. Ashwini Sawant** published "**Ultrasound Image Enhancement using Super Resolution**" in the "**International ELSEVIER Journal, Biomedical Engineering Advances Journal, Volume 3**", **June, 2022**.
- **Mrs. Rasika Naik** has contributed as a mentor for a paper titled "**Vehicle anti-theft immobilization System**", to the National Level Technical paper presentation - "**Technovation**", held at **Shah & Anchor Kutchhi Engineering College** on **30th April, 2022**.
- **Mrs. Rasika Naik** published, "**Precision based Pseudo Random Sequence Generator using B Exponential Map**" in the "**Journal of The Institution of Engineers (India) (IEIB): Series B**", **Springer Publications, March, 2022**.
- **Dr. Ranjan Bala Jain** published "**ExFAURL Scanner: A Framework for Malware Detection in Binary Files and URLs using Machine Learning Techniques**" in the "**IEEE International Students' Conference on Electrical, Electronics and Computer Science (SCEECS)**", **19th & 20th February, 2022**.
- **Mrs. Rasika Naik** published "**A Review on Applications of Chaotic Maps in Pseudo-Random Number Generators and Encryption**" in the journal of "**Annals of Data Science (AODS)**", **Springer Publications, January, 2022**.
- **Mrs. Rasika Naik** published "**Secured 6-Digit OTP Generation using B-Exponential Chaotic Map**" in the **International Journal of Advanced Computer Science and Applications (IJACSA), Volume 12, Issue 12**", **Scopus Publications, December, 2021**.
- **Mr. Shobhit K. Khandare** published "**A Review Study on Green Corridor Implementation and Real Time Adaptive Traffic Regulation using Machine Learning and Image Processing**" in the "**International Research Journal of Engineering and Technology**", **Print ISSN: 2395-0072, Online ISSN: 2395-0056, November, 2021**.

Workshops Conducted

Dr. Ranjan Bala Jain, Mrs. Rasika Naik, and Mrs. Manisha Joshi conducted a two days workshop on the topic “Software Defined Radio and MIMO Configurations” organized by the Department of Electronics and Telecommunication on 14th & 15th March, 2022.

Workshops Attended

- Dr. Monali Chaudhari, Dr. Nandini Ammanagi, and Mrs. Rasika B. Naik attended a course on “Global Navigation Satellite System and Location based services” organized by Indian Space Research Organization (ISRO) and Indian Institute of Remote Sensing, Dehradun (IIRS) held from 21st February to 4th March, 2022.
- Dr. Nandini Ammanagi, Mrs. Manisha Joshi, and Mrs. Rasika B. Naik, Mrs. Ashwini Sawant, attended a course on “Practical perspective on decision making education” organized by AICTE Training and Learning (ATAL) Academy at Bharati Vidyabhavan Sardar Patel Institute of Technology, Mumbai from 3rd to 7th January, 2022.
- Dr. Nandini Ammanagi attended a course on “FDP on Electromagnetic Interference (EMI) and Electromagnetic Compatibility (EMC)” organized by AICTE Training and Learning (ATAL) Academy at TPCT's Terna Engineering College, Navi Mumbai from 13th December to 17th December, 2021.
- Dr. Monali Chaudhari, Mrs. Jyoti Bagate, Mrs. Rasika B. Naik, and Mr. Chintan Jethva attended a course on “Geo-informatics for Biodiversity Conservation Planning” organized by Indian Space Research Organization (ISRO) and Indian Institute of Remote Sensing, Dehradun (IIRS) from 6th to 17th December, 2021.

Orientation Programs Conducted

- Dr. Chandan Singh Rawat conducted an orientation program on “Electromagnetics & Antenna” organized by the University of Mumbai, on 18th January, 2022.
- Mr. Shobhit K. Khandare conducted an orientation program on “Computer Organization & Architecture (COA) ECCOLO 6012” organized by ACPCE, Kharghar, on 16th January, 2022.

Orientation programs Attended

The faculty of EXTC department have attended various orientation programs for third year curriculum, Rev - 2019 'C' Scheme syllabus. Details are as follows:

- An orientation programme on “**Electromagnetics and Antenna (ECC 601)**” at Electronics & Telecommunication Engg Dept, Vivekanand Education Society's Institute of Technology, Chembur, Mumbai, was attended by **Dr. Nandini Ammanagi** and **Mrs. Ashwini Sawant** on **18th January, 2022**.
- An orientation programme on “**Mini Project 2B: FPGA Based Project (ECM_601)**” at Electronics & Telecommunication Engg Dept, Vivekanand Education Society's Institute of Technology, Chembur, Mumbai was attended by **Dr. Monali Chaudhari, Dr. Nandini Ammanagi, Mrs. Rasika B. Naik, Mrs. Manisha Joshi, Mr. Mrugendra Vasmatkar, Mrs. Ashwini Sawant, Mr. Shobhit K. Khandare, Mrs. Jyoti Bagate, Mrs. Arti Sawant** and **Mr. Chintan Jethva** on **15th January, 2022**.
- An orientation programme on “**Skill Lab : Linux & Networking and Server Configuration(ECL_604)**” at Computer Engg Dept, Terna Engg College, Nerul, Navi Mumbai was attended by **Dr. Nandini Ammanagi** on **15th January, 2022**.
- An orientation programme on “**Artificial Neural Network and Fuzzy Logic (ECC604)**” at Vivekanand Education Society's Institute of Technology, Chembur, Mumbai was attended by **Mrs. Manisha Joshi,** and **Mrs. Ashwini Sawant** on **15th January, 2022**.
- An orientation programme on “**Computer Communication Networks (ECC 602)**” at SIES graduate school of Technology, Navi Mumbai was attended by **Dr. Monali Chaudhari, Mrs. Rasika B. Naik, Mrs. Jyoti Bagate** and **Mr. Chintan Jethva** on **14th January, 2022**.
- An orientation programme on “**Image Processing and Machine Vision (ECC 603)**” at Vivekanand Education Society's Institute of Technology, Chembur, Mumbai was attended by **Dr. Monali Chaudhari, Mr. Mrugendra Vasmatkar** and **Mrs. Ashwini Sawant** on **13th January, 2022**.
- An orientation programme on “**Database Management System**” at Ramrao Adik Institute of Technology, Nerul, Navi Mumbai was attended by **Mr. Shobhit K. Khandare** on **12th January, 2022**.

Skill Enhancement Lecture

- **Mr. Rajhans Shere, 'Network Architect' in Tech Mahindra,** was the speaker on the topic “**Cloud Networking**”, organized under Skill Enhancement Lecture (SEL) activity conducted on the **25th March, 2022**, on the subject “**Network Management in Telecommunication**”, for the final year EXTC students.

The lecture commenced with the basics of networking and concluded with the role of cloud networking in management. The topics like internet, its working and properties, different transmission modes, OSI & Internet model, Network management and cloud networking were covered. Many terms associated with networking like ports, FTP, IP address, firewall, etc were discussed. He also gave a demonstration on topics like the working of the internet, and client-server relations. A gist on data centers, cloud, types of routing was also given. Overall the session was very interactive and interesting. 60 highly enthusiastic students attended the lecture and imbibed from the wealth of knowledge of the speaker.

NITTTR Activities

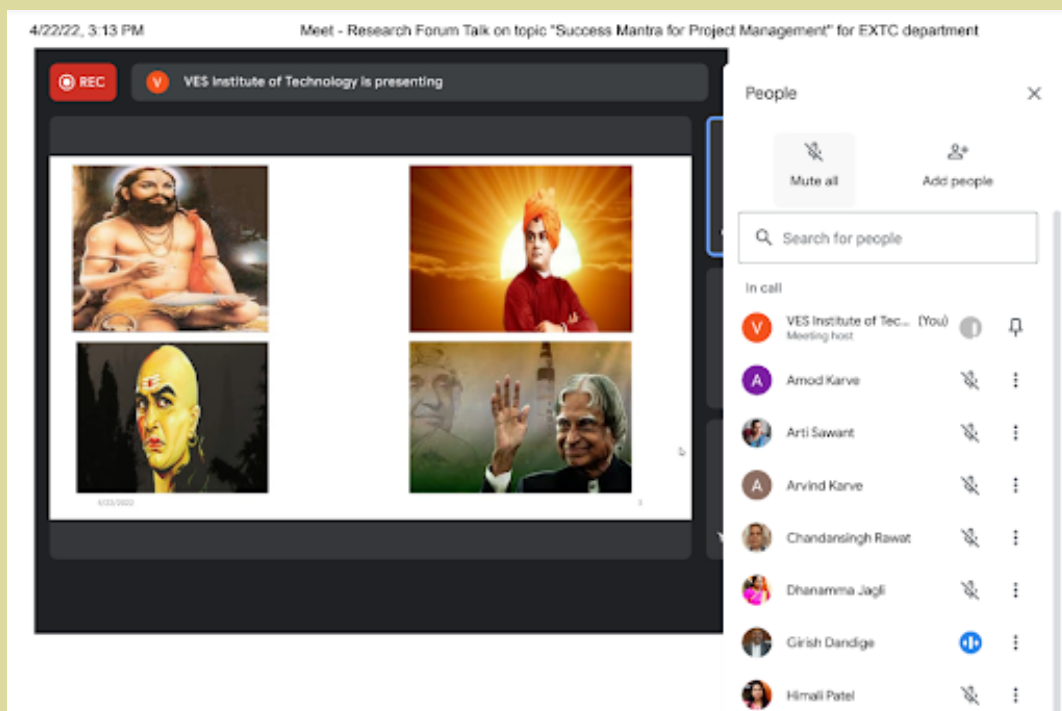
The National Institute of Technical Teachers Training and Research (NITTTR), Chennai was established as an autonomous Institute by the Ministry of Human Resource Development, Government of India in the year 1964 to improve the quality of Engineering Education system in India and in the Southern Region in particular. It also fosters research in the interdisciplinary area of Engineering Education and offers consultancy and extension services for the total development of Engineering Colleges, Polytechnic Colleges, Vocational institutions, Industry, Service sector and the Community at large. The training program has a total of 8 modules.

This year the Electronics and Telecommunication faculties have enrolled themselves and successfully completed various modules offered by National Institute of Technical Teachers Training and Research. The details are as follows:

- **Mrs. Jyoti Bagate, Mr. Gaurav Tawde, Mrs. Anuradha Jadiya, Mrs. Arti Sawant and Mr. Chintan Jethva** completed all 8 modules.
- **Mrs. Neeta Chavan** completed 6 modules.
- **Mrs. Himali Patel** completed 3 modules .

Research Forum Activity

Organized by the EXTC department, the Research Forum activity 'Expert Talks' was conducted by **Mr. Girish Dandige, Business Transformation Consultant, Ex Program Director, TCS** on the topic '**Success Mantra for Project Management**'. The session was held on **22nd April, 2022** from 3-4 pm in online mode which was attended by the VESIT staff members.

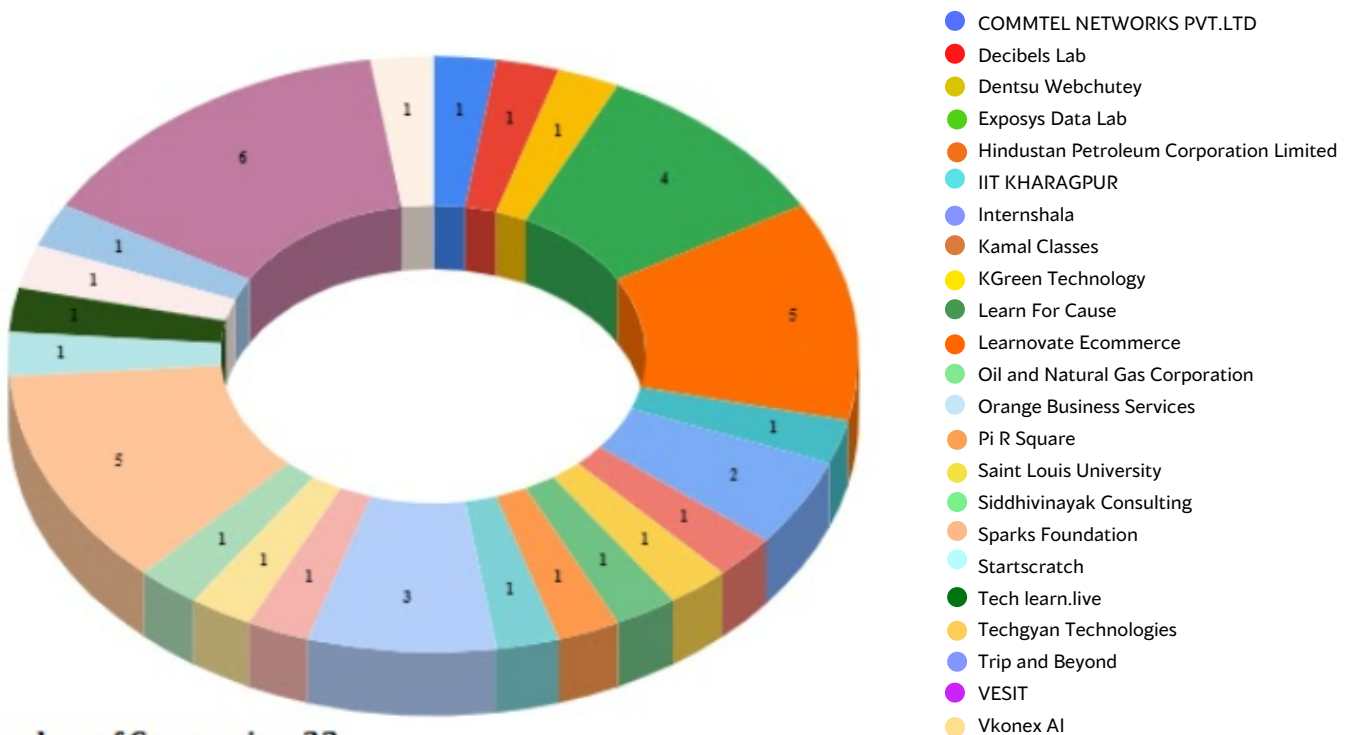


STUDENT ACHIEVEMENTS

Student Internships

One reason why internships are important in a student's life is because they offer the optimal experience for the discovery of one's own professional strengths and weaknesses; it allows you to gain a competitive edge. Students are able to give themselves the eclectic spectrum of opportunity by investing in internships.

Student Internship



Number of Companies: 23
Number of Students done internship: 42

Projects Exhibited by Students

- **Riddhi Joshi, Heeral Chumber, Farheen khan, and Arunkumar Mariappan**, under the guidance of **Mrs. Ashwini Sawant** made a project on “**Solar-based water quality monitoring system for Fish farming**”. They won the **2nd prize** and received prize money worth Rs 15,000 (Rupees fifteen thousand) in the national level project competition **TECH4GOOD 2022**, organized by the **Directorate of Technical Education Maharashtra** and the Joint Director of Technical Education regional office, Mumbai, held on **24th May, 2022**.
- Under the guidance of **Mr. Shobhit Khandare**, the group of students including **Varun Arya, Neha Makatti, V. Anuparvathi, and Vasudha Sasikumar** displayed “**Self Health Monitoring System (TRIMEDI)**” at the **CIIA Innovations Exhibitions** held on the **29th and 30th March, 2022**.
- **Riddhi Joshi, Heeral Chumber, Farheen khan, and Arunkumar Mariappan**, under the guidance of **Mrs. Ashwini Sawant** displayed “**Solar-based water quality monitoring system for Fish farming**” at the **CIIA Innovations Exhibitions** held on the **29th and 30th March, 2022**.
- **Aishvarya Birambole, Saakshi Karkera, Risa Samanta, and Isha Chavan** under the guidance of **Mrs. Neeta Chavan** displayed “**Smart Pill Dispenser**” at the **CIIA Innovations Exhibitions** held on the **29th and 30th March, 2022**.
- **Risa Samanta, Isha Chavan, Sakshi Karkera, and Aishvarya Birambole** stood second in the **Looking Beyond Syllabus (LBS)** competition held on **26th March, 2022**, for their project “**Smart Pill Dispenser**” mentored by **Mr. Shobhit Khandare**.

Workshops Attended by Students

Acquisition of knowledge in a distinct field is provided by seminars and workshops which bestows a prospect to interrelate with experts from the specific field. Discussing pertinent theses of a certain subject tends to make the students aware about the latest information and expertise coupled to the concerned themes. This semester 13 students from the EXTC department participated in various seminars and workshops. The details of the workshops and seminars are as follows:

- **Sujay Manchekar, Aadarsh Pandit, Maitreya Kadam, Pooja Narayanan, Aditi Chakraborty, and Aryan Chaudhary** attended “**Global Virtual Technology Summit PI-WOT 2021**” organized by **Vertiv India** during **17th-18th September, 2021**.
- **Nafees Akhter** attended “**Cybersecurity and Digital Forensics**” organized by **Aligarh Muslim University Department of Computer Science** on **30th August, 2021**.
- **Priyanshu Bhagat** attended “**Ethical Hacking**” organized by **COEPS Cell & EXTC Department Of K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai** on **9th August, 2021**.

- **Priyanshu Bhagat, Mohit Sajeevan, and Aishvarya Birambole** attended **“Odyssey to the Pinnacle”** and **“Engineering to Forensics”** organized by **V-Reach program** under **VESIT-IQAC** on **4th August, 2021**.
- **Rahul Jeswani** attended **“Breaking the Glass Ceiling: Placements Beyond Campus”** organized by **VESIT-IQAC** on **2nd August, 2021**.
- **Rahul Jeswani, Isha Chavan, Priyanshu Bhagat, and Sudipa Majumdar** attended **“Design the Thinking - Preparing the Entrepreneurship Mindset”** organized by **VESIT** in association with **VESIT IQAC** and **IIC** on **31st July, 2021**.
- **Rahul Jeswani, Aishvarya Birambole, Priyanshu Bhagat, Isha Chavan, and Sudipa Majumdar** attended an E-session on **“start-up and fund raising”** organized by **MCA** in association with **VESIT IQAC** and **IIC** on **27th July, 2021**.
- **Sudipa Majumdar, Isha Chavan, Mohit Sajeevan, Rahul Jeswani, and Aishvarya Birambole** attended **“Design Thinking - A tool for problem solving - Project to Product”** organized by the **Department of EXTC** in association with **VESIT IQAC** and **IIC** on **26th July, 2021**.
- **Sujay Manchekar, and Avantika Narvekar** attended **“Introduction to IPR and Patent Filing Procedure”** organized by **VESIT - Institution’s Innovation Council** on **23rd February, 2022**.
- **Aryan Chaudhary** attended **“7 Habits of Highly Effective People”** organized by **National Institute of Technology, Andhra Pradesh** on **30th January, 2022**.

FIRST YEAR ACHIEVEMENTS

Succeeders of Sphurtti

Sphurtti 2022, the sports fest conducted by our very own college was conducted in offline mode this time. Spanning across all departments of the college, covering various indoor sports events like chess, carrom, table tennis and outdoor sports events like Dodgeball, Tug of war, Volleyball, Futsal and Kho-kho.



Tug of War & Dodgeball (junior Boys) First Runner up Team



Chess (boys) First Runner up, L-R: Neerav Sonaje, Anant Paranjape



Table tennis (boys) First Runner up, L-R: Advait Panadi, Sudhanshu Karyakarte, Chirag Nawlani



Ajay Madhavan of class **D4A** secured the **Most Valuable Player (MVP)** position in the Volleyball match.



Table tennis (girls) First Runner up, L-R: Unnati Ayalwar, Anoushka Menon, Sheeza Khan

Sr No	Name Of Event	Names Of Students	Position
1	Volleyball (Junior boys)	Chirag Nawlani Ishan Somani Nihit Mistry Nilesh Balotiya Prathamesh Bhingarde Rachit Shukla Rohan Chavan Vedant Gupta	Winners
2	Table Tennis (junior Boys)	Advait Panadi Chirag Nawlani Sudhanshu Karyakarte	First Runner Up
3	Dodgeball (junior Boys)	Ajay Madhavan Anurag Rao Ashish Nair Nihit Mistry Pranav Jha Prathamesh Bhingarde Rachit Shukla Shreyas Dhasade Utsav Mutadak	First Runner Up
4	Chess (Junior boys)	Anant Paranjape Neerav Sonaje	First Runner Up
5	Tug of War (junior Boys)	Ajay Madhavan Chirag Nawlani Kaushik Puli Nihit Mistry Nilesh Balotiya Rachit Shukla Rohit Singh Shubham Nayak Siddhant Nambiar Utsav Mutadak Vedant Gupta	First Runner up
6	Table Tennis (Junior Girls)	Anoushka Menon Sheeza Khan Unnati Ayalwar	First Runner Up

Get Set Go



L-R: Anshkumar Agrahari,
Pranav Jha, Ashish Nair,
Shubham Nayak

CSI-VESIT, as its **Praxis** event, had conducted an action-packed treasure hunt '**Amazing Race**' on **31st March, 2022**. It was a team event, filled with incentive challenges and treasures divided into many rounds. The participants had to be on their toes as the squad which completed the task at the last got frozen out at the end of each round. The **D4A** team of **Ashish Nair, Anshkumar Agrahari, Shubham Nayak, and Pranav Jha** were the ones who proved themselves that they were worthy enough to be called as treasure hunters among FE's after the final round of this '**Amazing Race**'.

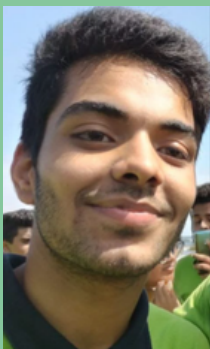
Crack the Case

CSI-VESIT conducted their **Pre-Praxis** event of **Sherlock & Watson** on **30th March, 2022** to showcase their programming skills as well as compatibility. The twosome of **Ashish Nair** and **Pranav Jha** from **D4A** prevailed in this coding event, which was a team event wherein the teammates had to be coordinated and teamed up like Sherlock and Watson and help each other in solving the problem.



L-R: Ashish Nair, Pranav Jha

Let's Startup!



Aadarsh Dubey

Sardar Patel Technology Business Incubator (SP-TBI) and **Sardar Patel Institute of Technology (SPIT)** organized a startup competition '**Start-a-thon**' for young entrepreneurs to showcase their '**out of the box**' ideas. Start-a-Thon 3.0 was a startup ideation challenge where teams from all over India compete. It was a 2-day intense competition, conducted on **26th and 27th March, 2022**, where participants had to race against time to create a full-fledged solution for the given problem areas. Those ideas were to be pitched to investors on day 2. Over 150 teams participated which included people from all fields. The team including **Aadarsh Dubey, D4B**, along with a student of the AIDS department and a student of SIES college, was ranked **third** in this competition for working on the piezoelectric concept. They had built a business model in which they created electricity simply by people walking.

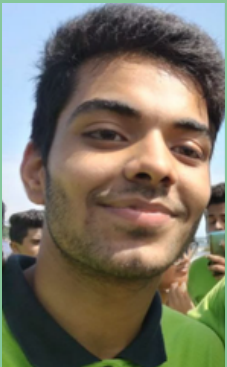
VESLit IPL

VESLit conducted the **VESLit IPL Quiz** on **21st March, 2022**, based on the famous Indian Premier League. The quiz included questions based on the history of IPL and their stats from 2008-2021. **Karan Shah, D4A** excelled in all the rounds and emerged as the winner in the final round.



Karan Shah

Salesman of VESIT



Aadarsh Dubey



Bhakti Daga

VESLit, during the VESLit week, conducted an interesting event called '**Pitch Perfect**'. This was an event to bring out the best advertisements and sales of a variety of unique products. The participants were tested on how well they could sell a product and submissions were open till **25th March, 2022**. **Aadarsh Dubey**, and **Bhakti Daga** of **D4B** promoted their products well and bagged the **first** and **second positions** respectively.

SECOND YEAR ACHIEVEMENTS

Sphurti Conquerors

Second year EXTC had actively participated in **Sphurti 2022** organized by the Sports Council of VESIT. Eventually their constant and amalgamated efforts bore the fruits of success and second year EXTC was awarded the **runners-up** of Sphurti seniors. **Arya Hirlekar** of class **D9B** also secured the **Most Valuable Player (MVP)** position in the match of Volleyball.



L-R: Arya Hirlekar, Vaishnavi Amritwar, Aditi Bombe, Harsh Ranjan, - Sports Incharges of D9 with the Sphurti runner-up trophy



Volleyball (Boys) Winners Team



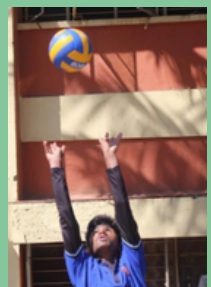
Dodgeball (Girls) Runner up Team



Kho kho First Runner up Team



Table tennis (Boys) First Runner up,
L-R: Harsh Ranjan, Aniket Sangle,
Atharva Hedao



Arya Hirlekar

Sr No	Name Of Event	Names Of Students	Position
1	Volleyball (Senior boys)	Aniket Sangle Arya Hirlekar Aryan Chaudhary Atharva Nayak Harsh Ranjan Jayesh Utekar Niraj Divekar Varun Bangad	Winner
2	Dodgeball (Senior Girls)	Aditi Bombe Bhoomi Gupta Manjiri Jadhav Manpreet Kaur Mitali Vichare Pooja Ghadge Pooja Narayanan Riya Gorade Srushti Pagar Tanmayee Bochare	First Runner Up
3	Kho Kho (Seniors)	Aditi Bombe Atharv Gaonkar Harsh Ranjan Hemraj Jeetarwal Mitali Vichare Niraj Divekar Riya Gorade Sairaj Watkar Siddhesh Gajare Srushti Pagar Tanmayee Bochare Varun Bangad	First Runner Up
4	Table Tennis (senior Boys)	Aniket Sangle Atharva Hedao Harsh Ranjan	First Runner Up

ISA Techies

ISA-VESIT conducted the 'Tech Game - Quadrangle' as a part of Pre-Praxis on 29th March, 2022. It involved a total of 4 games namely 'Build and Hit', 'Danger Word', 'BeWire' & 'tick, tick...BOOM!'. These games were played on the basis of the technical knowledge of students. The **D9A team of VMOS**, including **Omkar Mourya, Sarthak Adhangale, Vandesh Sawant** bagged the **first position** in the game. ISA-VESIT, in its Praxis event, conducted a multifaceted event, 'Scavenge to Build' on 31st March, 2022. The participants engaged in four distinct rounds, viz. Treasure Hunt, Bidding, Bargaining, & Building through the course of the event. The bidding and bargaining round of the game included participants buying and selling certain electronic components using the base amount given to all at the beginning of the game. The final round of building simply needed the participants to be attentive and find out the fault in the circuit provided. Amidst all the competitive competitors, **team BLAZE of D9A** emerged as the **winners**. This team included **Omkar Mourya, Vandesh Sawant, and Vaibhav Singh**.



Team VMOS L-R: Vandesh Sawant, Omkar Mourya, Sarthak Adhangale



Team BLAZE L-R: Vaibhav Singh, Vandesh Sawant, Omkar Mourya

ISTE Trickers

ISTE-VESIT conducted the event 'TECHTRIX', as its Pre-Praxis event, on 29th March, 2022. It involved 3 Techfun rounds. The first round was "Blind Coding", the second round was "Rapid Fire" and the third round was the most fulfilling "Gambling". These games were played on the basis of the technical skills of students. The EXTC Department "TeamE1" included **Nitesh Bovi, Tadbhav Anchan, Aditya Sharma** secured the **first position** in the event, among the SEs, TEs, and BEs. Among FEs, the **D4B** team (team F5) including **Aadarsh Dubey, Rushikesh Sarak** and **Sheeza Khan** were the **winners** of the event.



Nitesh Bovi



Tadbhav Anchan



Aditya Sharma

IEEE's Case Closed

IEEE-VESIT, in its Praxis event, had organized 'Case Closed' on 31st March, 2022, inspired by the Hollywood movie 'matrix'. It was a team event of three, where the team members had to play Neo, Morpheus and Trinity. A certain set of rules were to be abided for the survival of players in the matrix. The team including **Vedant Patil, D4A, Rahul Lad, D4A, and Mohit Patil, D2B** were the winners of the first slot whereas the trio of **D9B** including **Ayush Kotkar, Manjiri Jadhav and Varun Gharat** bagged the first position in the second slot. Even in slot 3, the EXTC department left its mark when the **D4B** team of **Atharva Dharmadhikari, Aditi Boob, and Anuraag Rao** were declared the winners of the third slot.

Winners Of 1st Slot



Rahul Lad

Vedant Patil

Winners Of 2nd Slot



Ayush Kotkar

Manjiri Jadhav

Varun Gharat

Winners Of 3rd Slot



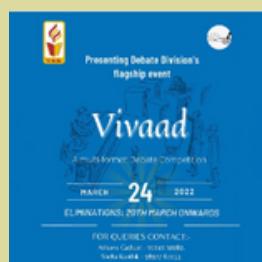
Aditi Boob

Atharva Dharmadhikari

Anuraag Rao

VESLit Week

The 6th edition of the biggest literary mega fest **VESLit week 2022** was organized by **VESLit** from **21st March to 26th March, 2022**. It was a 6 days event in which the series of events were planned which were a mix of standard and creative events and contained all types of interesting themes in which students enthusiastically participated. Some of the interesting events conducted during the week were the **IPL Quiz, Battle of Brands, Vivaad, Trail-O-Rama, and Pitch Perfect** which attracted many creative and innovative minds.



Tactical Filmmakers

Trail-o-rama was a fun and mind-boggling group event conducted by **VESLit**. The participants had to create a short trailer on the theme 'Spirit of Humanity'. The EXTC team of **Riya Gorade, Aditi Bombe, Atharva Kale, Mitali Vichare, Milind Sawant,** and **Vandesh Sawant,** made a heart-touching trailer, where they beautifully narrated a story of a person, who has lost his faith in humanity and how humanity impacted his life in the future & made him human again. This trailer, titled "**Maanavi**", meaning 'humans' in Marathi, bagged the **first position** in the competition.



Riya Gorade



Aditi Bombe



Atharva Kale



Milind Sawant



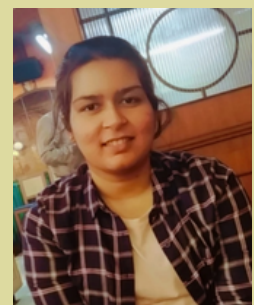
Vandesh Sawant



Mitali Vichare

Battle Of Brands

One of the most interesting and fostering creativity events of **VESLit week**. In this, the participants had to build a creative, bizarre and narrative storyline which should be no more than 400 words on different brands where you identify a brand as a person. **Priyal Singh** of **D9A** chose the brand "**Disney**" and beautifully narrated her creative imagination and won the **runner-up position** in the competition.



Priyal Singh

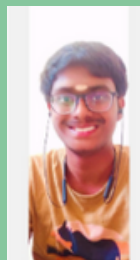
STEM The Gap

The winning way, a **Women's Day Trivia** by IEEE – VESIT's WiE in collaboration with VESIT-IQAC and VESIT-IIC on the topic conducted a competition named '**Stem the Gap**' which included three events that are quiz, essay competition and VESIT tank.

VESIT tank was a group event, wherein the participating group had to propose their ideas for women's safety through a poster. Based on the posters made by the teams, questions were asked and winners were selected accordingly. The trio of **Pradeesh Reddy, Varun Gharat, and Juhi Talreja, D17A** bagged the **second position** for their excellent ideas and answers. In the Essay Competition, under '**Stem the Gap**', the participants had to write an essay on the topic 'Being the CEO, how would you instate pay parity at your company?' and submit their ideas through google forms by **6th March, 2022**. **Manjiri Jadhav, D9B** won the **runner-up** position in the essay competition.



Varun Gharat



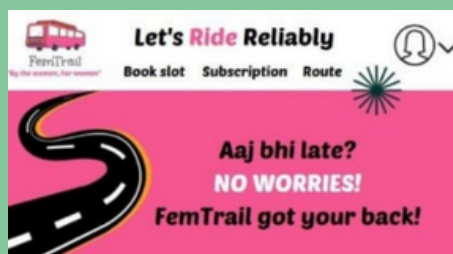
Pradeesh Reddy



Juhi Talreja



Manjiri Jadhav



The app's homepage design made by the team



Poster made by the team

Reels Ruler

Rajat Mhatre, D9B participated in the **Art Fest** for reel making organized by **Infinity Foundation** wherein videos were taken from the participants and the top ten videos were selected. Rajat was not only selected among the top ten, but he was also declared as the **winner** of the competition on **15th January, 2022**.



Rajat Mhatre



1st position Trophy

Root For Robots

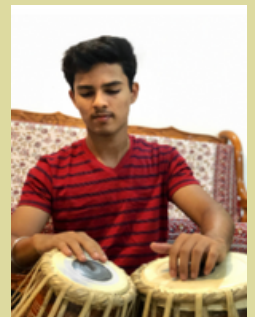


Prasad Kokate

VESIT Renaissance Cell in association with VESIT IIC and IQAC organized a fun technical event **PRAXIS ROBOTICS '22** on **31st March, 2022** which consisted of 3 games namely **Robo Soccer, VES-RC, and Track-o-Mania**. All the games involved robots and their handling in some way. **Prasad Kokate, D9B** was the **winner** of the **Robo Soccer** finals, in which bots had to compete against each other in a soccer game. The first to score 5 goals was declared the undisputed winner.

Taal Kare Bawaal

The VESIT music council came up with the most melodious, euphonic event named "Octaves '22" which gave the opportunity to various musical talents of VESIT. The event was for two days, 4th April, 2022 and 5th April, 2022 held in the college Auditorium. Day 1 was for Voice of VESIT and Day 2 was for the Battle of Bands and Instrumental Faceoff. Abhishek Mokal of D9B won the Instrumental face-off competition with his excellent classical performance of Tabla and bagged the first position.



Abhishek Mokal

UI UX Design Competition

IEEE VESIT Women in Engineering Section conducted an event which gave an opportunity to implement unique ideas through **UI UX Design Competition**. The participants had to design 2 or more designs for an app/website interface that catered for the needs of women and submit their ideas through google forms by **23rd January, 2022**. **Satyam Mishra, D9B** designed an amazing women shopping app design and won the competition.



Satyam Mishra

VESIT Marathoner

The Torrent group organized a half marathon named '**Torrent Jito Thane Half Marathon**' held at Yeoor, Thane on **20th March, 2022**. The participants had to run the 10 km marathon. **Sarthak Adhangale, D9A** with his dedication took 63 mins to complete a 10 km marathon.



Sarthak Adhangale

THIRD YEAR ACHIEVEMENTS



The Boys Tug of War Team

Strength Supremacy

The Sports Council of VESIT organized **SPHURTI** after 2 years of the pandemic. It was conducted from **29th March to 18th April 2022**. **Team D14** grabbed the top spot in Tug of War by claiming a comfortable victory of 3-0 against D8 in the final. **Paritosh Borkar, D14B** won the title of Most Valuable Play (MVP) of the match.

Daredevil Dodgers

Team D14 secured first place in 'DodgeBall'. The final was played on **18th April, 2022**. Team D14 thrashed D16 by beating them by a margin of 6 points. **Saumya Tiwari,, D14A** won the title of MVP of the match.



The Boys Dodgeball Team

Pitch Perfects



Devesh Ramesh & Anushka Kulkarni

The Women in Engineering (WiE) section of **IEEE VESIT** conducted a competition '**VESIT TANK**' on **13th March, 2022**. It was similar to the reality TV show Shark Tank where participants had to pitch their ingenious and revolutionary business ideas to turn them into a reality. For the first round teams had to submit a poster of their concept of a product/service related to the problems concerning women. The duo of **Anushka Kulkarni and Devesh Ramesh of D14A** pitched their inventive idea of a '**Foldable Menstrual Cup**' and secured **first place** in the final round.

Powerhouse of EXTC

Varun Arya of **D14A** won **2 gold medals** in the **Mumbai District Equipped Powerlifting Championship** on **29th May, 2022**. Mumbai Shaha Powerlifting Association and Maharashtra state Powerlifting association organized this event for the challengers to exhibit their physical prowess. He has won several laurels in weightlifting and deadlifting competitions organized by various fitness clubs. He has also been selected for the National equipped powerlifting trails.



Varun Arya

Voice of VESIT



Sudipa Majumdar

The music council orchestrated its mega musical event **Octaves** on the **4th and 5th October**. **Voice of VESIT** was a solo singing competition that every year introduced us to the music sensations of VESIT. In the first round, participants were allotted 3 minutes to sing their favorite song and cast their spell on the viewers and the judges. In the penultimate round, participants had to sing their own rendition of the fusion of 2 songs. **Sudipa Majumdar** of **D14A** was challenged to sing a rock song by her opponents in the finale. She sang '**Milne hai mujhse aayi**' from the movie '**Aashiqui 2**' and secured third place by showcasing her virtuoso.

Don of Dalal Street

VESIT Renaissance Cell in association with VESIT IIC and IQAC organized its much-awaited technical event **PRAXIS** on **31 March, 2022**. ISTE-VESIT conducted a virtual stock market trading event '**Dalal Street**'. **Neeraj Wadile** of **D14A** secured first place and won prize money of Rs.1000/-. This event was conducted in the amphitheater with more than 200 students turned traders. He astutely decided not to buy the volatile stocks and followed an uncluttered approach to consistently booking small to medium profits.



Neeraj Wadile

FINAL YEAR ACHIEVEMENTS

Project Exhibitions

- **Varun Bhat, Manasee Parulekar, and Bhuvana Raisinghani**, under the guidance of **Mrs. Manisha Chattopadhyay**, presented their creative proposition on “**Sign Language Translation for Video Conferencing Softwares**” in the International Conference of “**IIT Bombay and IEEE “TENSYP 2022”**”, held from **1st to 2nd July, 2022**. This proposal was shortlisted for poster presentation along with paper presentation.
- Under the guidance of **Dr. Nandini Ammanagi**, the group of students including **Janhavi Bhagat, Shubham Gupta, Alhaad Velhal, and Ritika Raj** exhibited their project on the topic “**Microstrip Resonator as a Microfluidic Sensor for Blood Sugar Monitoring**”. at the National project exhibition of “**TECH4GOOD 2022**”, held on **22nd & 23rd April, 2022** at Vivekanand Education Society’s Institute of Technology, Chembur, Mumbai, at “**INTECH2K22**”, which was held on the same day at K. J. Somaiya Institute of Engineering and Technology and also at **Pragati 2022, SFIT, Mumbai on 11-13 March, 2022**.
- The project “**Driving assistant with crash detection and alert system using machine learning and IOT**”, made by **Varun Vicharay, Omkar Salunkhe, Siddhant Sawant, and Ayush Sachdev** under the guidance of **Mrs. Neeta Chavan** secured the first place in an online Project Exhibition **E-SANCHAR 2022**, organized by the department of EXTC in Association with IIC and IQAC, held on **18th & 19th April, 2022**.
- The project “**Urja Bhavan**” by **Kaustubh Salve, Tanvi Soni, Saheb Wadhwa, and Yusuf Kulkarni**, under the guidance of **Mrs. Ashwini Sawant** secured second place in the online Project Exhibition **E-SANCHAR 2022**, organized by the department of Electronics and Telecommunication Engineering (EXTC) in Association with IIC and IQAC, held on **18th & 19th April, 2022**.
- The project “**Stock Market Prediction using Machine Learning**” by **Akshat Tiwari, Simran Jadhav, Kritika Pathak, and Shazia Shaikh**, under the guidance of **Dr. Ranjan Bala Jain** secured third place in the online Project Exhibition **E-SANCHAR 2022**, organized by the department of Electronics and Telecommunication Engineering (EXTC) in Association with IIC and IQAC, held on **18th & 19th April, 2022**.
- **Yogesh Sonawane, Sarth Mitragotri, Tejas Thoke, and Swapnil Taur**, under the guidance of **Dr. Nandini Ammanagi**, displayed their innovative ideas on “**Online portal for blind students to give their assessments from home during the global pandemic**” at the CIIA Innovations Exhibitions held on the **29th & 30th March, 2022**.
- Under the guidance of **Mr. Shobhit Khandare**, the group of students including **Rohan Khare, Aarya Naik, Shikhar Raj, and Anusha Srivastava** displayed “**Green Corridor Implementation and Real Time Adaptive Traffic Regulation using Machine Learning and Image Processing**” at the CIIA Innovations Exhibitions held on the **29th and 30th March, 2022**.

- **Kaustubh Salve, Tanvi Soni, Saheb Wadhwa and Yusuf Kulkarni** under the guidance of **Mrs. Ashwini Sawant** exhibited their project on the topic **“Pocket Harvester”** at the National project exhibition of **“TECH4GOOD 2022”**, held on **22nd & 23rd April, 2022** at Vivekanand Education Society's Institute of Technology, Chembur, Mumbai.

Research Papers Published

- **Mr. Chintan Jethva** along with the students of the EXTC department **Saachi Dudani, Esa Malik, Manish Sonje,** and **Gaurav Tanna** published **“Stock Analyzer and Bot using Machine Learning”** in the **“IEEE Region 10 Symposium (TENSYP 2022)”**, **July, 2022.**
- **Dr. Monali Chaudhari,** along with **Mr. Abhishek Singhal, Mr. Sameer Nimse, Ms. Vanshila Dangi,** and **Ms. Ayushi Ved** published **“Enhanced Energy Efficient clustering protocol”** in the **“International conference on Advances in Science and Technology”**, published by **Scopus, CPCI, Crossref and Google Scholar, 27th & 28th May, 2022.**
- **Dr. Monali Chaudhari,** along with **Mr. Shiv Kaul, Mr. Kamlesh Madan, Mr. Suraj Sahu,** and **Mr. Siddesh Kurhade** published **“Analysis of Power in WSN using Energy Harvesting Sources”** in the **“International conference on Advances in Science and Technology”**, published by **Scopus, CPCI, Crossref and Google Scholar, 27th & 28th May, 2022.**
- **Altaf Bin Sarfraz, Rohit Ambesh, Harshit Joshi,** and **Chirag Kapoor** under the guidance of **Himali Patel** presented a paper on the topic **“Drone Detection using Deep Learning”** in the **“IEEE International conference on Applied Artificial Intelligence and Computing (ICAAIC 2022)”**, **9th to 11th May, 2022.**
- **Mohit Adhikari, Asif Khan, Janhavi Gogawale,** and **Deepak Dhumal** under the guidance of **Mrs. Arti Sawant** published **“Comparative analysis of Fake reviews monitoring and detection using Logistic regression, Decision tree and Support vector machine”** in the **“7th International conference on Innovation and Research in Technology and Engineering”**, **May, 2022.**
- **Saurav Telge, Ryan Rodricks, Adarsh Singh, Mrunmayee Waingankar,** and **Dr. Ranjan Bala Jain** published **“Tumordc.AI: A Comprehensive Deep Learning-based Brain Tumor Detection and Classification system”** in the **“3rd International Conference on Artificial Intelligence: Advances and Applications (ICAI AA 2022)”**, **23rd & 24th April, 2022.**
- **Dr. Monali Chaudhari,** along with **Ms. Anisha Naik, Ms. Deepali Pathak,** and **Mr. Dilip Hingroni** published **“Cardiac Arrhythmia Detection using Deep Learning”** in the **“Science, Technology and Development Journal”**, published by **“UGC care approved Journal”**, ISSN: 0950-0707, Scientific Journal Impact Factor – 6.1, **April, 2022.**
- **Shardul Khot, Deepesh Shahdadpuri, Mahek Tardeja,** and **Aakash Hotchandani,** under the guidance of **Mr. Gaurav Tawde** published **“Automated Attendance Management System”** in the **“International Research Journal of Engineering and Technology (IRJET) Volume: 09”**, e-ISSN: 2395-0056, **April, 2022.**

- **Gaurav Jagwani, Neha Nishad, Mohit Kukreja, and Namrata Deb** presented a paper on the topic **“DDoS attack detection and Botnet Prevention using Machine Learning”** in the **“IEEE International conference on Advanced Computing and Communications System (ICACCS 2022)”**, **25th & 26th March, 2022**. **Ms. Trupti Sonawane** presented a paper on the topic **“M-VAHITARAM: AI based android application for automated crowd control management in bus transport service”** in the **“International conference on Emerging Trends and Technologies on Intelligent Systems (ETTIS-2022) in association with the Petroleum-Gas University of Ploiesti, Romania”**, **22nd & 23rd March, 2022**.
- **Mrs. Ashwini Sawant**, along with the students of the EXTC department **Mr. Arnab Saha, Ms. Mansi Kasar, Mr. Swapnil Gore, and Mr. Pranav Birawadkar** collectively published **“Medical Image De-Speckling Using Fusion of Diffusion-Based Filters and CNN”** in the **“International Conference on Advanced Computing and Communication Systems (ICACCS)”**, **March, 2022**.
- **Madhumita Menon, Mayur Shinde, and Avinash Tripathy** under the guidance of **Mr. Gaurav Tawde** published **“ISL Translator for Caregivers”** in the **“International Research Journal of Engineering and Technology (IRJET) Volume: 09”**, ISSN: 2349-5162, **March, 2022**.
- **Mr. Chintan Jethva** along with **Bharati Eralla, Manav Khemani, Hitesh Motwani, and Disha Mangwani** published **“X-Ray-Based Quick COVID-19 Detection System”** in the **“2nd International conference on engineering, social science & Humanities”**, ISSN: 2394-6849, **March, 2022**.
- **Mrs. Rasika Naik** along with **Kumar Bajaj, Omkar Bodake, Shrirang Rathi, and Nikhil Tekchandani** published **“Smart shopping cart with smart billing using NodeMCU and RFID”** in the **“International Journal of Multidisciplinary Educational Research”**, Sucharitha Publication, India, ISSN: 2277-7881, **March, 2022**.
- **Mrs. Neeta Chavan** along with **Varun Vicharay, Omkar Salunkhe, Siddhant Sawant, and Ayush Sachdev** published **“Driving assistant with crash detection and alert system using machine learning and IOT”** in the **“International Journal of creative research thoughts”**, **January, 2022**.

NEWSLETTER TEAM



Dr. Nandini Ammanagi
Staff In-Charge



Dr. Chandansingh Rawat
Head of Department



Mrs. Anuradha Jadiya
Staff In-Charge



Pooja Narayanan
Senior Editor



Avantika Narvekar
Senior Designer



Mansi Pawar
Senior Editor



Rishika Chaubal
Junior Designer



Tejas Sharma
Junior Designer