

REFLECTIONS



The EXTC Times

newsletter.extc@ves.ac.in

Vol 13

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MESSAGE FROM THE DEPARTMENT

Although 2021 still continues to be a trying year for all us and we couldn't escape the anxieties of lockdowns, yet we managed to work successfully embracing the new normal.

Through this newsletter, I would like to share my thoughts on skill based education with you and how it is so relevant in current times. As per HRD ministry data, India currently has more than 6000 engineering and technology institutions and every year approximately 1.5 million students get their degree in engineering. However, due to lack of skills to perform technical jobs, less than 20 percent get employment in their core domain. A recent employability report has found that over 80 percent of engineers in India are unemployable as they lack the technological skills required by employers now. If we map these numbers to total technical jobs available in India every year, situation is very scary... We need to fix the skill gap on priority.

The need of the hour is an education system which is future ready and employment oriented. The degree certificate that became the benchmark is losing the importance. There has been a huge demand for competencies in the recent times. The focus has shifted from the stockpile of marks sheet and certificates to knowledge skills and core competencies.

Traditionally, education has followed the path to greater knowledge, but as skill gaps emerge, teachers must find new ways to address them. Indian education system is inherently focused on knowledge based learning (theoretical understanding) vs skill based learning. Govt of India is trying to reform education system through Outcome based education and NEP 2020 envisaging more thrust on "Experimental learning and critical thinking". Skill-based education will help students to move beyond rote memorisation and discover their maximum potential.

The percentage of students who are moving away from CORE streams and advancing their careers in other fields like business, IT, etc is significant. This calls for all stakeholders in engineering institutions to introspect and be proactive in planning to stay relevant in future. We are already seeing worrying trends in engineering college admissions.

What are the ways in which we can fix this skill gap?

- Mainstreaming of vocational education and skill development within the school system

Move away from classroom based training to On-Campus, On-Site, Online and On-the-Job trainings

- Overhaul of syllabus and grading system and make it up to date with current times
- It is imperative for educators to keep themselves upgraded on the subjects and skills they teach the students, train and re-skill
- Subjects such as Behavioural skills, Communication, IT, Teamwork, Analytical ability etc. can be developed from early classes for students and they can then be introduced to trade specific skills from class 9 which can be continued right through the graduation years and beyond.
- Faculty should talk more about industry application of concepts or students getting exposure through industry talks, gamification

and many more....

As far as our college is concerned, it is a welcome step by VESIT in taking up skilling as an important agenda in its mandate by

- Adding Artificial Intelligence stream in its curricular
- Having significant contributions in research areas
- Industrial visits, Skill Enhancement lectures, Finishing School activities

Our institute has always been a preferred choice for a student to become an engineer and for the employer to grab its competent engineers for jobs.

COVID-19 has brought out the agility in all educators and they have adapted well to new ways to imparting knowledge. With the same agility, they will transform the current education system to stay relevant, survive and thrive in this more volatile, uncertain and complex world. Stay safe, get vaccinated and enjoy precious time that you are spending with your family members.



**MRS. RASIKA. B. NAIK
(ASSISTANT PROFESSOR,
EXTC DEPARTMENT)**

DEPARTMENTAL ACTIVITIES

INCREDIBLE FEATS THIS SEMESTER

RESEARCH GRANTS

- A major research grant was granted to **Mr. Mrugendra Vasmatkar** for the project titled **“Battery Management Unit”** in the competition - Swadeshi Microprocessor challenge, sponsored by MeitY under the 'Atma Nirbhar Bharat Abhiyaan' scheme. This research project got a sanctioned amount of whopping **Rs. 1,00,000/- (One Lakh rupees)**.
- A minor research grant was granted to **Dr. Nadir Charnia** for a project under the domain of Microcontroller. This project got sanctioned with **10 kits of MSP 430 ULTRA LOW POWER Microcontroller** from Texas instruments division Bengaluru, with a total cost of approximately **Rs. 10,000/- (Ten thousand rupees)**.
- A minor research grant was granted to **Mr. Mrugendra Vasmatkar** for a project under the domain of Microcontroller. This project got sanctioned with **2 kits of MSP 430 ULTRA LOW POWER Microcontroller** from Texas instruments division Bengaluru.

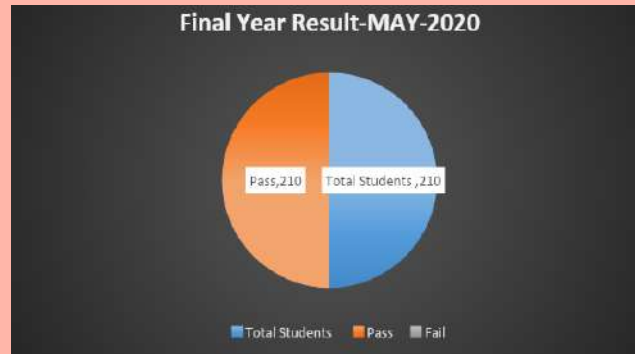
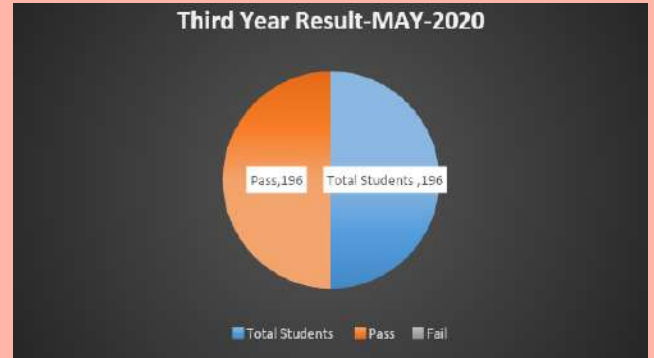
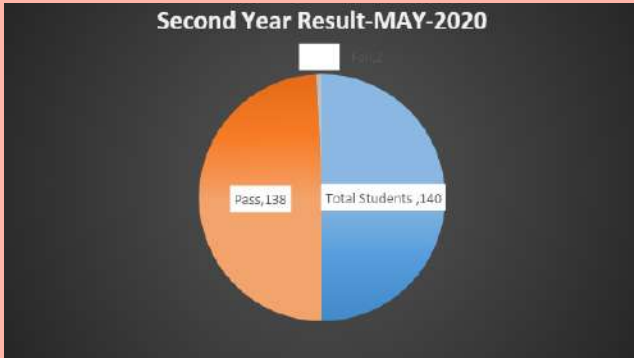
CONSULTANCY PROJECTS

The Department of EXTC is very proud to be associated with **Aeromarine Services, Mumbai** for **“Testing of Log Periodic Antenna(5-30MHz)”**. A considerable amount of **Rs. 7000/- (Three thousand rupees)** was sanctioned in this regard. The Onsite testing of Log Periodic antenna was carried out by **Dr. Nandini Ammanagi** and **Vishwakarma** at the grounds of **Bandra Government Polytechnic, Bandra** on 6th & 9th April, 2021.

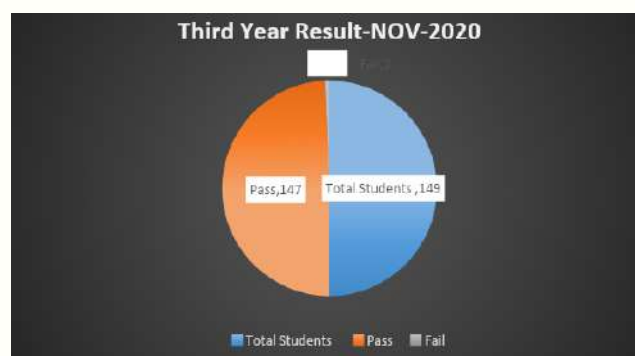
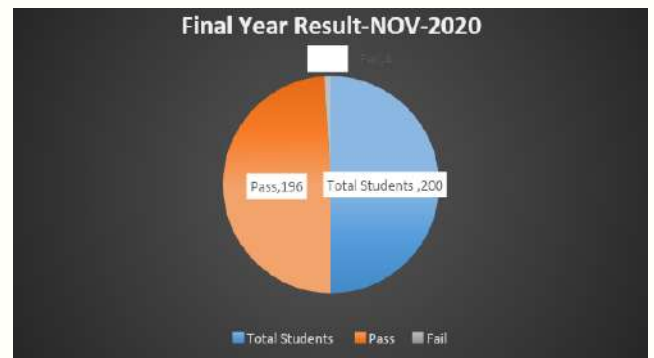
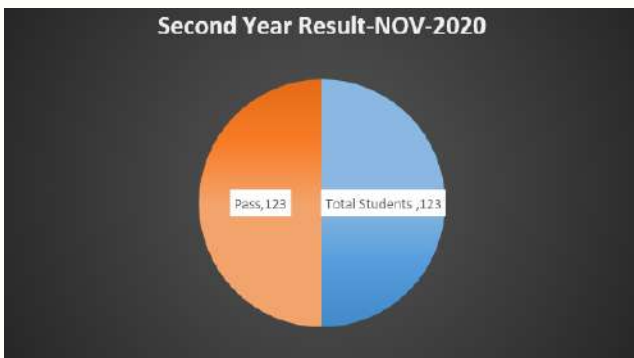
ACADEMIC RESULTS

It gives us immense pleasure to announce that students of the EXTC department have passed with flying colours. Congratulations to all students of BE, TE and SE, who have performed brilliantly in both odd and even semesters and are continuously striving to achieve greater heights

EVEN SEMESTER



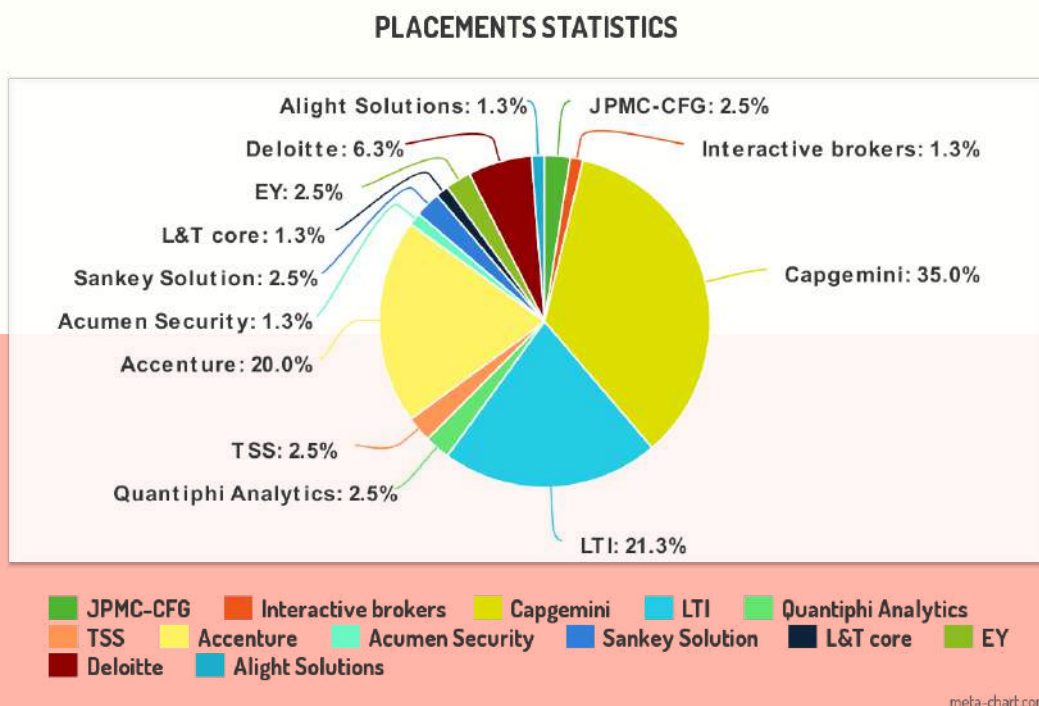
ODD SEMESTER



PLACEMENT STATISTICS

The placement cell GRIN (GET Ready for Industries) of the department of EXTC has made great efforts to ensure that the students are well prepared for the placement process. The cell has conducted numerous preparatory activities in the Academic year, 2018-19 and 2019-20 for the 2017- 2021 batch, including online Mock Aptitude Tests (MAT), plenty insightful sessions on Campus Placement: A winning Strategies, Share it Sessions, Finishing Schools and IT for Telecommunication

As we all know, the world is facing a pandemic situation, where retention of job is crucial, VESITians are also sufferers, as a result this year 92 offers have been received from various companies like Accenture, L&T IT, CapGemini, Quantiphi, TSS, Acumen Security etc. Out of these 26 offers are dream offers. The company wise placement details are as follows:



RESEARCH PAPERS PUBLISHED

- **Mrs. Shital Firke and Dr. Ranjan Bala Jain** published “**Convolutional Neural Network for Diabetic Retinopathy Detection**” in the “**International Conference on Artificial Intelligence and Smart Systems ICAIS 2021**”, ISBN: 978-1-7281-9537-7, **March 2021**.
- **Dr. Ranjan Bala Jain with Aashirwad Bedekar, Ambesh Mishra, Archita M, Dhairay N, Fiza Khan, Rohan Khare, and Shiva Ahir** published “**Optical Fiber Communication Virtual lab**” in the “**18th International Conference on Remote Engineering and Virtual Instrumentation (REV2021)**”, **February 2021**.
- **Mr. Mrugendra Vasmatkar with Ishwari Zare, Prachi Kumbla, Shantanu Pimpalkar, and Aditya Sharma** published “**Snake Species Identification and Recognition**” in the “**2020 IEEE Bombay Section Signature Conference (IBSSC)**”, ISBN: 978-1-7281-8994-9, **January 2021**.

WORKSHOPS CONDUCTED

Dr. Nadir Charniya conducted a workshop on the topic **“Introduction to Raspberry Pi”** on behalf of the Department of Electronics & Telecommunication in association with VESIT IQAC & IIC on **21st March, 2021**.

WORKSHOPS ATTENDED

Owing to the current pandemic situation, teaching through online platforms has become the new normal. Observing that online academics are here to stay and provisioning resources for online operations forms the need of the hour, teachers became more accustomed to the virtual environment of teaching. Online Workshops became the go-to standard. This semester also witnessed the participation of the Faculty of the Department of Electronics and Telecommunication in a lot of workshops which included **“National Education Policy 2020 (NISP)”**, **“Inculcating Universal Human Values in Technical Education”**, **“Identifying Intellectual Property Component at early stage of Innovation”** and many more.

ORIENTATION PROGRAMS CONDUCTED

On the behalf of Mumbai University, Orientation programs were conducted for the various courses of the curriculum by faculty members of the EXTC Department.

- **Dr. Ranjan Bala Jain** conducted an orientation program on **“Signals & Systems”** at **Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai** on behalf of the university of Mumbai on the **16th of February, 2021**.
- **Mrs. Monali Chaudhari** conducted an orientation program on **“Principles of Communication Engineering”** at **Rajiv Gandhi Institute of Technology, Mumbai** on behalf of the university of Mumbai on the **16th of February, 2021**.
- **Mrs. Neeta Chavan** conducted an orientation program on **“Linear Integrated Circuit”** at **Vivekanand Education Society's Institute Of Technology, Mumbai** on behalf of the university of Mumbai on the **9th of February, 2021**.

ORIENTATION PROGRAMS ATTENDED

On the behalf of Mumbai University, various Orientation programs were attended for various courses of the curriculum by faculty members of the EXTC Department. The faculty members and the orientations they attended are listed below.

- **Mr. Chintan Jethva:**

- An orientation program on “**Microcontroller**” at Jawahar Education Society’s, A. C. Patil College of Engineering, Kharghar, Navi Mumbai on **20th February, 2021.**
- An orientation program on “**Signals & Systems**” at Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai on **16th February, 2021.**
- An orientation program on “**Principles of Communication Engineering**” at MCT’s Rajiv Gandhi Institute of Technology, Mumbai on **15th February, 2021.**
- An orientation program on “**Linear Integrated Circuits**” at Vivekanand Education Society's Institute Of Technology, Mumbai on the **9th February, 2021.**

- **Mrs. Arti Sawant:**

- An orientation program on “**Mini Project 1B**” at Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai on **18th February, 2021.**
- An orientation program on “**Skill Enhancement Lab**” at Terna College of Engineering on **17th February, 2021.**

- **Mr. Mrugendra Vasmatkar:**

- An orientation program on “**Mini Project 1B**” at Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai on **18th February, 2021.**
- An orientation program on “**Skill Enhancement Lab**” at Terna College of Engineering on **17th February, 2021.**

- **Mrs. Manisha Joshi:**

- An orientation program on “**Mini Project 1B**” at Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai on **18th February, 2021.**
- An orientation program on “**Signals & Systems**” at Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai on **16th February, 2021.**

- **Mrs. Rasika Naik:**

- An orientation program on “**Mini Project 1B**” at Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai on **18th February, 2021.**
- An orientation program on “**Linear Integrated Circuits**” at Vivekanand Education Society's Institute Of Technology, Mumbai on the **9th February, 2021.**

- **Mr. Gaurav Tawde:**
 - An orientation program on “**Microcontrollers (ECC 402) and Microcontrollers Lab (ECL 401), Rev 2019 'C' Scheme**” at Jawahar Education Society’s, A. C. Patil College of Engineering, Kharghar, Navi Mumbai on **20th February, 2021**.
 - An orientation program on “**Mini Project 1B**” at Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai on **18th February, 2021**.
 - An orientation program on “**Linear Integrated Circuits (ECC 403+ECL402)”, Rev 2019 'C' Scheme**” at Vivekanand Education Society’s Institute of Technology, Mumbai on **9th February, 2021**.

- **Mrs. Anuradha Jadiya:**
 - An orientation program on “**Microcontrollers (ECC 402) and Microcontrollers Lab (ECL 401), Rev 2019 'C' Scheme**” at Jawahar Education Society’s, A. C. Patil College of Engineering, Kharghar, Navi Mumbai on **20th February, 2021**.

- **Mrs. Himali Patel:**
 - An orientation program on “**Mini Project 1B**” at Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai on **18th February, 2021**.
 - An orientation program on “**Skill Enhancement Lab**” at Terna College of Engineering on **17th February, 2021**.

- **Mrs. Jyoti Bagate:**
 - An orientation program on “**Mini Project 1B**” at Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai on **18th February, 2021**.
 - An orientation program on “**Signals & Systems**” at Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai on **16th February, 2021**.

- **Dr. Nandini Ammangi:**
 - An orientation program on “**Mini Project 1B**” at Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai on **18th February, 2021**.

SKILL ENHANCEMENT LECTURES

- A skill enhancement lecture was conducted by Mr. Govind Gaundalkar who is Partner at Microdevices Technologies. It was conducted for final year EXTC students and second-year students, on the topic Time Triggered Embedded Systems under subject Microcontroller and Applications on the 26th of March, 2021 (for TE) and 2nd of April, 2021 (for SE).

The session was initiated with an introduction to Microcontroller and an introduction to ARM processors. It was taught how the ARM Cortex-M is a group of 32-bit RISC ARM processor cores licensed by Arm Holdings. These cores are optimized for low-cost and energy-efficient integrated circuits, which are then embedded in tens of billions of consumer devices. The Cortex-M family consists of Cortex-M0, Cortex-M0+, Cortex-M1, Cortex-M3, Cortex-M4, Cortex-M7, Cortex-M23, Cortex-M33, Cortex-M35P, Cortex-M55. The speaker lucidly elucidated the features, architecture, and application areas for the Cortex series of processors. Concepts like BIOS, Big data centralization, Real-Time Operating systems (RTO's), and application of counters and timers were effectively demonstrated with examples and actual simulation on Keil software.

3/26/2021

Meet - edd-odag-dgk

The screenshot shows a Zoom meeting interface. The main content is a slide titled "ARM Architecture Fundamentals" with a sub-heading "Advantages of Cortex-M processors". The slide lists several advantages:

- Low power: These processors have power consumption as low as 100µa/MHz. They also support various sleep modes. Hence power consumption is greatly reduced.
- Performance: CortexM3/M4 processors can achieve 1.25DMIPS/MHz, They can run applications at much slower clock speeds.
- Energy Efficiency: CortexM3/M4 processors have an excellent energy efficiency. It means lot of processing can be done with limited supply of energy. Also tasks can be executed quickly which allows the processor to sleep longer and conserve power. This means longer battery life in portable products.
- Code Density: The THUMB instruction set provides excellent code density. It means a smaller program size to do the same tasks. As a result lesser memory requirements which can reduce cost and size.
- Interrupts: Support for upto 240 vectored interrupts using NVIC with multiple levels of interrupt priorities from 8 to 256 levels. Interrupt latency is just 12 clock cycles.

At the bottom of the slide, there is a list of names: Mullika Mukhamb, Diksha Mahajan, Bhavita Mathewar, Ishika Misal, and Ambeshkumar Mishra.

Meeting details

People (38)

Chat

IN CALL

- Gaurav Tawde (You)
- AAYUSHI VED
- ABHISHEK SINGHAL
- ADITYA ACHAR
- AKSHAY KHANNA
- ALHAAD VELHAL
- AMAN KADAM
- AMBESHKUMAR MISHRA

- With the aim of gaining further knowledge under the topic of Software Defined Networks for the subject Network Management for Telecommunication. The SEL was conducted by Mr. Amitesh Ghatak, Deputy General Manager at Tata Communications on the 13th of March, 2021 for Final year EXTC students.

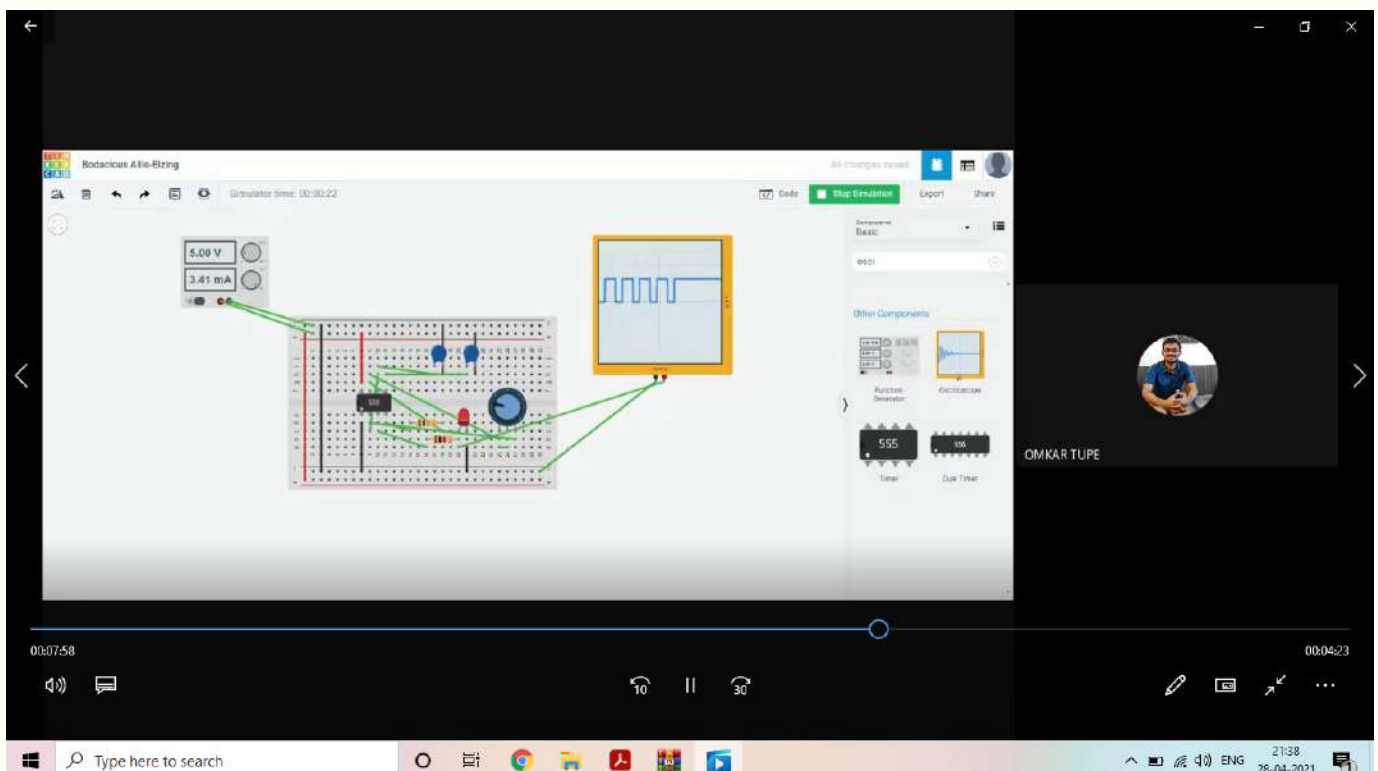
This session was started with an introduction to the working of the company, their jobs, global footprint, their presence, operations as well as an overview about the Service Operations center and its working. The main topic of the software-defined networks was explained with easy-to-understand analogies. Concepts of the virtual machine, hypervisor, and hyper virtualization, data transfer services in virtual machine-based networks were also discussed. Concepts of CCN were discussed in relation to SDN and real time applications were discussed. The SEL concluded with the speaker giving information concerning internships, projects, job opportunities and a Q&A session.



ALUMNI INTERACTION

Mr. Omkar Tupe and **Mr. Mohanish Niduvaje**, alumni of our very own EXTC department, took an interactive session on the topic “**Tinkering with Project - How to develop the project**” on **13th December, 2020**. Mr. Omkar is an Application Development Associate and Mr. Mohanish is Pursuing MS in Darmstadt University of Applied Sciences, Germany. Both of them took out time from their busy schedules to share their insights on project building, which is the most important aspect of engineering.

The session was attended by second year and third year students. It commenced with a brief introduction to online simulation software - **TinkerCAD** and its effective utilization in simulation mini projects. Use of IC555 and soldering on GPP were some of the topics discussed along with their practical demonstration. The session culminated by showing all the participants, a project developed by their team, to inspire all the budding hardware enthusiasts to create their own innovative projects.

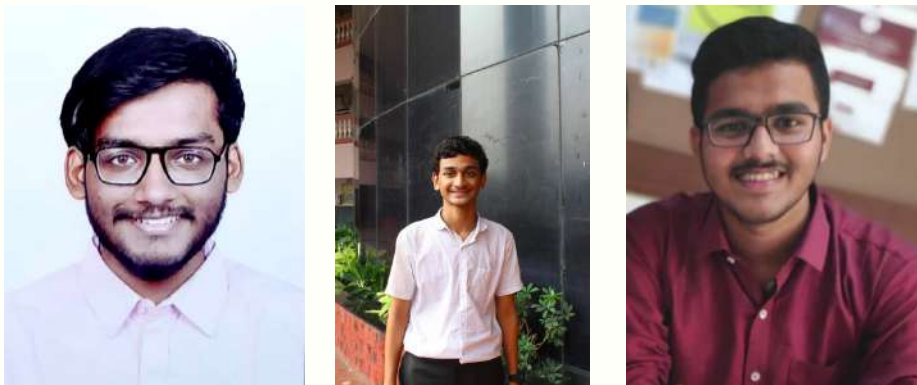


ACCOMPLISHMENTS

- **Mrs Neeta Chavan** successfully completed NPTEL Course on '**Intellectual Property**'. Dr. Feroz Ali is the Chair Professor on Intellectual Property Rights (IPR) at the Indian Institute of Technology (IIT) Madras who is a practicing advocate at the Madras High Court conducting this course. It was a 12 weeks course, organized by IIT Madras.
- **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. This year following faculties have enrolled themselves for various modules under NITTTR : **Mrs. Neeta Chavan, Mrs. Jyoti Bagate, Mr. Chintan Jethva, Mr. Gaurav Tawde, Mrs. Himali Patel, Mrs. Anuradha Jadiya and Mrs. Arti Sawant.**

STUDENTS ACHIEVEMENTS

SECOND YEAR ACHIEVEMENTS



(L-R Aryan Gupta, Aaron Arimpur and Yogesh Inamdar from D9B)

ISTE MEETRIX

The team of **Aryan Gupta, Aaron Arimpur, Yogesh Inamdar** secured the third position in the **ISTE Meetrix** held on **17th April 2021**.

The event was conducted by ISTE-VESIT under e-Praxis '21 organised by VRC in association with VESIT IIC and IQAC. Students had to register in teams of 1-3 members. It was a three-round event. In the first round, participants had to enter the meet using hints. The second round was a unique house round. The final round was **VESCITY – Monopoly** based on VESIT.

CHESS CHAMPIONS

The D9 boys chess team, **Rohan Giri, Nishant Pathare, Shravan Shanbhag** secured the runners-up position under the category of chess boys senior in **Urja 2021**. It was a team game, where matches were played between girls' teams & boys' teams of each class having three members (Seeds). **CHESS CHAMPIONSHIP** was an online event, played on www.chess.com. The games lasted a total of 20 minutes each.



(L-R Rohan Giri, Nishant Pathare, Shravan Shanbhag from D9B)

POLICY PUNDITS



(L-R Kartik Vhad and Sumit Jadhav from D9A)

Policy Pandemonium was organized by VESLit on **2nd April 2021** in the VESLit week. **Kartik Vhad & Sumit Jadhav** of **D9A** won in cluster C. They represented Delhi with their strategically devised policy, CAA- Control Air Act. “Prerogative of breathing pure air should be available to every state” was the basis of their idea. Their policy revolved around incentivizing the use of electric vehicles and the use of bio decomposers to counter the aftermath of stubble burning. Such a policy would definitely help in solving the intensifying pollution woes of Delhi.

V.Anuparvathi of **D9A** along with **Pooja Gupta** of **D13** stood first in cluster B. They represented the state of Sikkim and their policy wished to tackle the predicament of rising suicide rates. Eradicating unemployment, organizing social awareness programs and setting up special courts to handle drug related cases were some of the utilitarian solutions provided by the duo to tackle the issue.



(V.Anuparvathi of D9A)

CRICKET AFICIONADO WINS IT

Pre-Match was the most talked-about event of **URJA'21** organized by the sports council on the **27th March 2021**. It involved creation of a fantasy team within the allotted points and presenting it in a live press conference simulation as the coach of the participants also formed the media representatives who will throw crafty questions at you to catch. This event provided a perfect opportunity to all the cricket fanatics and the stat gurus to exhibit their knowledge. **Rahul Kulkarni** of **D9A** secured third place in the event.



(Rahul Kulkarni of D9A)

VOICE OF VESIT

Sudipa Majumder of **D9A** won the most coveted title of **Voice of VESIT** in **Virtual Octaves 2.0** conducted by the music council. The event was streamed live on YouTube on **18th February 2021**. The participants were allotted 4 minutes to sing their favorite song and cast spell on the viewers as well as the judges. Ms. Sudipa chose "**Rim Jhim Gire Sawan**" from the movie '**Manzil**' which was sung by the legendary **Lata Mangeshkar**. Her soulful voice and high notes pierced the hearts of all the melophiles.



(Sudipa Majumder of D9A)

LAURELS WITH LEARNING

Mcvean Soans of **D9A** won the **Women Techmakers IWD India Summit** conducted on **20th and 21st March 2021**. This event incorporated talks on all the buzzing technologies in the field of computer science through the lens of women achievers in their respective field. Event was streamed live on YouTube and culminated with a quiz competition, taken on www.slido.com.

MASTER OF LITERATURE

Vinaya Nair from **D9B** participated in the **International Essay Contest** organised by www.monomousumi.com, held in **January 2021** and her submission was identified as an '**Outstanding**' entry.



(Vinaya Nair from D9B)



(Mcvean Soans from D9A)

U & I

IEEE-VESIT conducted a UI/UX workshop on **6th April 2021** to provide students a pathway to kick off their journey in the fascinating world of UI designing. Workshop was conducted on google meet and participants had to create mobile optimized UI designs using Figma software. **Vignesh Poojary** of **D9A** created an effortlessly interactive as well as aesthetically appealing UI for a restaurant '**Granny made**' which bagged him the **first prize**.



*(Vignesh Poojary
from D9A)*

THIRD YEAR ACHIEVEMENTS

TOYCATHON '2021

Toycathon 2021, a national competition, is an inter-ministerial initiative organized by the Ministry of Education's Innovation Cell with support from All India Council for Technical Education, Ministry of Women and Child Development, Ministry of Commerce and Industry, Ministry of MSME, Ministry of Textiles and Ministry of Information and Broadcasting aiming to promote indianised toys to boom the toy industry of our country by supporting innovative ideas and start-ups. Under the mentorship of EXTC faculty two teams from the department managed to ace it to the finals bringing in some really thoughtful ideas. They were expected to submit their proposal by the **21st February 2021**.

Team 1: under the mentorship of Mrs Ashwini Sawant

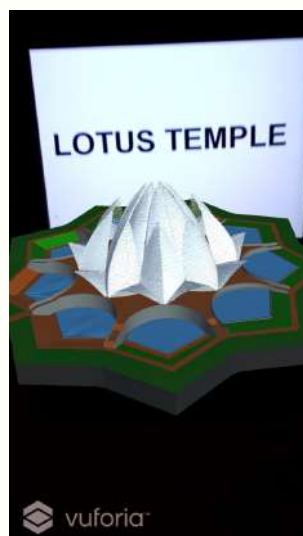
1. Kaustubh Salve - D14A (Group Leader)
2. Tanvi Soni - D14A
3. Saheb Wadhwa - D14A
4. Yusuf Kulkarni - D14A

(Created a hardware project called "Junior's Farm")

Team 2: under the mentorship of Mr Mrugendra Vasmatkar

1. Shubham Singh - D19A (Group Leader)
2. Ameya Padwad - D9B
3. Chunay Chaudhary - D9B
4. Aditya Jagadale - D9B
5. Yash Bhise - D9B
6. Atharva Godse - D11A

(Created an augmented reality application called "Sarathi")



(Snippets of the Augmented Reality app created by Team 2)

VICTORY AT FCRIT

Even during a pandemic ridden situation, students of EXTC keep on striding forwards with even more wins at Online Competitions. For the **SAMVAAD Debate** held by FCRIT on **26th and 27th February 2021**, multiple teams participated from our college and dominated so much that the teams that made it through to the finals were both from our college with three of the four finalists being from EXTC department.

The team of **Avinash Tripathy(D14B)** and **C.V Ananya (D19A)** faced off against the team of **Adith Nair (D19B)** and **Sneha Karthik (D7C)** in the finals with the topic of debate being **“The Pandemic has had a debilitating effect on humankind, from which it may not rise.”** Avinash and Ananya secured the **first position** in this parliamentary form of debate after they flawlessly put forward their views while perfectly countering the oppositions notions, and took home the prize for conquering **SAMVAAD DEBATE-2021**.



(Avinash Tripathy from D14B)

CHUNAUTEE

Chunautee '21, a competition held on the **12th March 2021** to pick the most optimal solution to aid the differently abled organised by J.C Bose University of Science and Technology YMCA, Faridabad found it's top 3 winners of the country. Out of the 10,000 teams participating and an exhaustive 2 rounds of the competition, **Deepesh Shahdadpuri** and **Kaustubh Salve** from **D14A** secured the third position with their noble idea of creating a **“Speaking aid for the deaf and paralyzed”**. They received a certificate of appreciation and cash prize for the same.



(Deepesh Shahdadpuri from D14A)



(Kaustubh Salve from D14A)

POLICY PANDEMONIUM

This even semester, VESLit Week was conducted during the final week of March extending into the first few days of April 2021. On the **2nd April 2021**, the MUN division specifically conducted a one-of-a-kind event under the name '**Policy Pandemonium**', with **Arnab Saha** and **Avinash Tripathy** from **D14B** being moderators for two of the three sessions conducted for the same, where the participants were allotted different states and parties and simultaneously were provided a problem statement for which they had to come with an optimum solution which would be open to the floor for discussion and criticism from the rest of participants and their respective political parties and agenda.

The event was an outstanding success with rich points of views brought in from students from First year to even third year students battling it out representing their states and the moderators ensuring the tempo and framework being maintained and they did so effortlessly, leading the event to be a success.



(L-R Arnab Saha and Avinash Tripathy from D14B in frame)

IEEE-VICTORIES

IEEE throughout the year hosts a plethora of competitions round the year ranging from technical to more flamboyant ones. Out of the long list of competitions, students from D14B have been acing and securing positions left and right. The two notable competitions are the ones of Online Treasure Hunt and Women's' Day essay writing.

Online Treasure Hunt is a 24-hour event where on an online portal hints are provided to end up on the perfect answer/object. With a real time, leader board, the adrenaline ran high during the 24 hours with participants from all divisions and branches competing to appear at the top. **Sahil Salian, Sristi Kushwaha** and **Arnab Saha** all from **D14B** secured **First, Second** and **Third** ranks in this Online Treasure Hunt.

Essay Writing competition has been a highlight over the years, as they feature the best essays in their technical annual magazine. This year, with a central theme of Women's' day and Women empowerment, the topic being "How you would make the work or educational institute more progressive and a safe space for empowered women, given you hold the power to make the necessary decisions/changes." With a topic this heavy, **Mallika Kulkarni** of **D14B** secured the top spot with a strong and veracious essay without undermining the struggles faced by a woman in today's day and age.



(L-R Sahil Salian, Sristi Kushwaha, Arnab Saha, Mallika Kulkarni from D14B)

CHAMPIONS OF URJA

Urja 2021, an online sports fest conducted by our very own college was a part of the new normality, Span across all departments of the college, covering various sport events like online chess, online sports quizzes, sports hunt, to name a few found it's champions. **The Electronics and Telecommunication department** were awarded the **runner up department** of the fest.

Accolades won by the students :

Sr. No.	Name of the event	Name of the Student/s	Date of the event	Position
1.	Chess	Shardul Khot (D14A) Sahil Salian (D14B) Aniket Ingle (D14B)	3/04/2021	Winners
2.	Chess	Malavika Anoop (D14A) Dishika Kishnani (D14A) Madhumita Menon (D14B)	3/04/2021	Runner Up
3.	Sports Hunt	Shardul Khot (D14A) Mansi Kasar (D14B) Priyanka Pathak (D14B) Deepak Dhumal (D14B) Avinash Tripathy (D14B) Sameer Nimse (D14B) Aniket Ingle (D14B) Nikita Joshi (D14B)	3/04/2021	Runner up

FOURTH YEAR ACHIEVEMENTS

ROBOTICS - THE FUTURE IS HERE

Robotic Technology is one of the leading technologies in the world and definitely a booming field of research. Robotics being the pinnacle of the technological revolution paved its way to all the leading technological institutes, Vivekanand college, one of the finest technological institutions left no stone unturned in contributing to this field. Under the guidance of **Mrs Ashwini Sawant Manali Kathale, Sumati Chavan, Nalini Darekar and Shubam Raut** from **D19C** created a **“COVID FRONTLINE ASSISTANT ROBOT”**, a noble idea indeed, amidst this daunting time to assist the frontline workers who have been endlessly contributing to help the citizens.



(Covid Frontline Assistant Robot)

AAVISHKAR AWARDS

Aavishkar awards, an annual event held by the **University of Mumbai** to promote young talent's innovation and invention, the most sought after technical event in the city held its semi finals recently and the final year students managed to ace it diligently finding themselves in the finals of the competition. The project they made for the competition has various applications that can be implemented on any land-based or aerial drone. For this, they are designing **India's First Multi-Rotor System** which is capable of flying in air as well as moving on the ground. All the applications developed will focus on various problems in our society that can be easily solved by implementing this idea.

The team had 4 members in participants :

1. Shubham Singh - D19A
2. Sagar Khurana - D19A
3. Sai Rane - D19C
4. Siddhant Satam - D19C



(Drone made by the team)

SWADESHI MICROPROCESSOR CHALLENGE

To provide impetus to the strong ecosystem of start-ups, innovators & researchers in the country, MeitY announced **Swadeshi Microprocessor Challenge**, organized by the **Government of India** and **IIT Madras** under the **Atmanirbhar Bharat Abhiyan** to promote a culture of innovation and entrepreneurship. The applicants will receive a total of 4.5 crores to support their innovation. The finals are expected to be held from the 15th of May to the 31st of July. **Shubham Singh** from **D19A** reached the semi finals of this renowned nationwide competition. 100 semi finalist teams get free access to Swadeshi Processors and FPGA boards and a total of 1.0 crores of MVP/POC development fund. The MVP/POC stage demonstration is expected to be held on the **10th May 2021**



*(Shubham Singh
from D19A)*

SMART INDIA HACKATHON HARDWARE EDITION

To iterate the efforts towards PM's vision of Digital India and to promote digital literacy the **Smart India Hackathon** competition was founded, Span across the entire country with tie ups with over 40 industries. The Smart India Hackathon - Hardware version organised by the **All India Council for Technical Education (AICTE)**, **MoI**, **MoE** and **GoIs**, a highly competitive competition with participants hailing nationwide. There were different topics to choose from, namely healthcare and biomedical, rural development, etc. The competition runs through 6 exhaustive rounds where the team is expected to submit problem statements on the topic provided. Facing all the filtering rounds, the team of **Sakshi Gawande** and **Sagar Khurana** from **D19A** won the competition.



(L-R Sakshi Gawande and Sagar Khurana from D19A)

IICDC - 2021

The India Innovation Challenge Design Contest popularly known as the IICDC is a national level competition conducted by the government of India to promote Nascent Innovation and designs.

The evaluation framework of submission was designed by IIMB in collaboration with TI Business Potential and Technical Innovation. The evaluation panel consisted of stalwarts from Startup Ecosystem, Industry Leaders and Domain experts. There were 4 phases in the competition, the fourth phase being the finals to be held in **May**. **Shubham Singh** and **Sagar Khurana** from **D19A** got through all the rounds to reach the semi finals of this estimable competition.

CHATTRA VISHWAKARMA AWARDS 2021

Chattra Vishwakarma Awards 2021, a national level competition held by the **All India Council for Technical Education (AICTE), Ministry of Human Resource Development, Govt. of India** to recognise and honour the innovative work of the students and also with an aim to encourage and motivate young participants in their specific domains helping them contribute to the development of the country as a whole. This year's theme was **India's Economic Recovery Post Covid** and the final submissions were supposed to be sent by the **8th March 2021**, the fine talent of the EXTC department managed to ace it to the finale of the competition.

The group consisted of

1. Shubham Singh - D19A
2. Sagar Khurana - D19A
3. Siddhant Satam - D19C
4. Sai Rane - D19C

NEWSLETTER TEAM

Mrs. Shobha Krishnan - **Head of Department**

Dr. (Mrs.) Nandini Ammanagi - **Staff In-Charge**

Mrs. Aunradha Jadiya - **Staff In-Charge**

Arnab Saha - **Senior Editor**

P. Sri Mahalakshmi - **Senior Editor**

Prachi Patil - **Senior Designer**

Rahul Kulkarni - **Junior Editor**

Tanya Dubey - **Junior Editor**

Yash Bhise - **Junior Designer**