DTU TIMES

The New Normal

Edition #51

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Editor's Note

It would be an understatement to say that the world has transformed in the past twelve months. The COVID-19 pandemic has wreaked havoc in the lives of millions of people all over the world. Initially, the world was at a complete standstill, and preservation superseded progress as our primary concern. Each smile has been obscured by a mask, and each pocket hangs a little heavier because of the pocket sized bottle of sanitiser in it. Fortunately, the onset of 2021 has once again reminded humanity of what they had been deprived of for so long, and there are slivers of hope that things would regain their lost shape and structure. Today, seven billion people are united by a singular thought: the hope that normalcy would prevail and we would be reacquainted with the life that had been snatched away from us so unceremoniously.

Dear Batch of 2024, the first chapter of your college life was not the stuff of fictional books and cinematic landscapes. It was, if anything, quite dystopian. You are a bunch of students whose first interaction with higher education was a computer screen, with family squabbles and an unstable network as a background score. Starting a new semester from home must have meant letting go of so many plans, be it the first-day outfit that you selected so meticulously or the huge binder notebooks that you handpicked from a fancy stationery store. But instead of venturing into our humble abode in North Delhi, you are forced to stay glued to your screens all day long.

If there is anything that I have learnt in the time I have spent here, it is that once you walk through the huge arched doors of DTU, with a backpack stuffed with books and a heart bursting with anticipation, all the sacrifices and struggles become worth it. The thrill of exploring the vast DTU campus, which will soon be your home, with strangers, who will soon be your family, is unmatchable. I lack the prescience to predict what you will make of yourself in the four years you spend here, but if you give yourself a chance, you might find success, friendship, love, and above all, the hope that makes all pain and trouble vanish.

We do not know when you will be exposed to the corners and crevices of Bawanaland, each housing its own tales of triumphs and tribulations. No amount of timetables and textbooks can prepare you for what lies ahead, but each choice you make here will go on to define much more than just your career. In these 48 pages that you hold in the palms of your (hopefully sanitised) hands, we wish to bring you a tiny slice of what awaits you at Delhi Technological University. Our college is not defined by the sprawling campus or the verdant greens, but by the extraordinary people who attend it, and you are one of them now. With hope in our hearts to once again witness a sea of awestruck faces rush into the campus, we present to you the 51st edition of DTU Times - the 2021 Freshers' Edition.

- Parangat Mittal, Editor-in-Chief

From the desk of the Vice-Chancellor

For the past 8 decades, Delhi Technological University has been synonymous with growth, progress and excellence in academia and research. The university has kept pace with an increasingly globalized India by constantly re-innovating its curriculum, providing state-of-the-art research facilities and equipping students with the requisite skill sets to ease their transition into an increasingly competitive world. A harbinger of change in the field of multidisciplinary education, DTU caters to students from engineering, management as well as design, all under one roof. On that note, I warmly welcome the batch of 2024.

Looking back, I am proud to say that the university has persevered despite the upheaval caused by the pandemic. The batch of 2020 too, received a fitting farewell. The 7th Convocation Ceremony took place in the month of December, 2020 and was graced by Prof. Yogi Goswami, Director of the Clean Energy Research Center at the University of South Florida, and Mr. Manish Sisodia, Hon'ble Deputy Chief Minister, who took cognizance of the resilience and tenacity of the outgoing batch, and commended them for the same.

The orientation for the newly admitted batch of 2024 took place in the online mode. The incoming batch of students was familiarized with the new curriculum, academic opportunities and incentives, cultural events and DTU's comprehensive environment

The university has made persistent efforts to fulfil its vision of being a world-class university and to tread on the path of excellence. Supplementing the university's increasingly holistic outlook towards research, innovation, sports, and academics, DTU has revamped the infrastructure of the campus in order to facilitate innovation and growth, and to establish itself as a pioneer in the scientific domain. In keeping with this vision, the Department of Design recently inaugurated its new building. The block has been planned and constructed meticulously to foster creativity and maximize an artist's potential.

With widespread lay-offs, dwindling job opportunities and a spiralling economy, the world has undergone a paradigm shift. In spite of this, the students of DTU shone through, and the placement session of 2020-21 is a testament to their indomitable spirit and ability to seamlessly adapt to any situation. Over the course of the past year, the students and the faculty members of DTU have proven that anything is possible with teamwork and sincere efforts. I hope that this synergy of the students and faculty continues to proliferate. I also extend my heartiest congratulations to the team of DTU Times for the publication of their 51st edition.

- Prof. Yogesh Singh, Vice-Chancellor, Delhi Technological University

THE BULLETIN

Animation and Game Design Internship Program

Department of Design, DTU conducted a four week summer internship program on *"Animation and Game Design",* in June, 2020. The program offered real projects to school and college students free of cost, as a part of an initiative taken during COVID-19 pandemic. Participants gained hands-on experience in **Art, Storytelling, 2D & 3D Animation, Comics, Game Design** process and types along with minor projects.

Session on Skilling and Entrepreneurship Opportunities

DTU Innovation And Incubation Foundation and **Department of Training and Placement, DTU** organised an interactive session on *"Skilling and Entrepreneurship Opportunities for the students of DTU"* in September, 2020. The **top 5** teams, in partnership with NASSCOM *Foundation,* received **Ciena** seed funding of **Rs 5,00,000/-** each, to channelise their product to market and steer their vision forward. **Prof. Manoj Sharma**, CEO, DTU-IIF & **Prof. Rajesh Rohilla,** *Head, Department of Training and Placement* coordinated the event.

HRDC-DTU Organised Orientation Program for Newly Recruited Faculty Members

Human Resource Development Centre (HRDC), DTU organised a two-day **Orientation Program** for newly recruited faculty members of the university in February, 2021. **Prof. Yogesh Singh**, *Hon'ble Vice Chancellor,* DTU welcomed the 48 freshly recruited faculty members in his inaugural address. He reflected on the progress made by the university in the year 2020 in various aspects, including increasing citations, improvement in rankings and research outlook. He also emphasised the need to adopt novel methods of teaching and learning in order to make classes more engaging for students. **Prof. Madhusudhan Singh,** *Dean, Academics (UG)* introduced the faculty members to the academic structure and regulations followed by the university and **Prof. Ashutosh Trivedi,** *Dean, IRD* and **Dr. Ruchika Malhotra,** *Associate Dean, IRD* showcased the various R&D initiatives and the current rankings of Delhi Technological University, in their addresses. **Shri D. P. Dwivedi,** *IAS (Rtd.),* gave a brief about the DTU Act, Statues, and Ordinances. **Prof. S Anbukumar**, *Director, Human Resource Development Centre (HRDC)* coordinated the Orientation Program.

Data-Driven Customer Experience Management

Delhi Technological University, in collaboration with *Deutsche Telekom Digital Labs,* organised a Virtual Masterclass on *"Data-Driven Customer Experience Management"* in August, 2020. **Mr. Kanwardeep Singh Ahluwalia**, *CIO, Deutsche Telekom, Europe* and MD, DT *Digital Labs, India* was the speaker for the event.

Independence Day Celebration 2020

On the occasion of **74th Independence Day,** the flag hoisting ceremony was organised at the campus. **Prof. Yogesh Singh**, *Hon'ble Vice Chancellor,* DTU unfurled the tricolour. Staff and faculty members were present for the ceremony, ensuring appropriate physical distancing.

Recent Advances in Mechanical Engineering

Department of Mechanical, Automobile and Production and Industrial Engineering, DTU and **Centre of Energy and Environment, DTU** organised the **2nd International Conference** on *"Recent Advances in Mechanical Engineering"* in September, 2020. **Prof. Yogesh Singh**, *Hon'ble Vice Chancellor, DTU,* was the Chief Patron. **Prof. Samsher** and **Prof. S.K. Garg,** *Department of Mechanical Engineering* served as the Patrons for the event.

Organisational Effectivenes in the Age of Agility

Delhi School of Management, DTU organised an Online Management Development Program on *"Organisational Effectiveness in the Age of Agility",* in November, 2020. **Dr. Meha Joshi,** *Assistant Professor, DSM, DTU* and *Member, DMA Government and Industry-Academia Interface Committee, All India Management Association,* was the Coordinator for the event and **Dr. Deep Shree,** *Assistant Professor, DSM, DTU* served as the Co-Coordinator.

International e-Workshop on Bioinformatics

Department of Biotechnology, DTU organised **International e-Workshop on Bioinformatics**, a week-long online workshop consisting of a series of lectures by distinguished experts, in December, 2020. **Prof. Yogesh Singh,** *Hon'ble Vice Chancellor, DTU* was the Chief Guest for the event and **Dr. Anurag Agrawal**, *Director, CSIR-IGIB* was the Guest of Honour.

New Year Celebration Cricket Match

A friendly cricket match was organised by the **DTU Sports Council** in December, 2020 between the esteemed faculty and the students of DTU, to commemorate the incoming year. **Prof. Yogesh Singh**, *Hon'ble Vice Chancellor, DTU*, who was the Chief Guest, addressed the students and dignitaries with his encouraging words.

ISQIHE 2020

Delhi Technological University, in collaboration with *Engineering Staff College of India*, organised the **1st International Seminar on Quality Indices in High Education (ISQIHE 2020)**, in November, 2020. **Prof. Yogesh Singh,** *Hon'ble Vice Chancellor, DTU* was the Chief Patron. **Prof. S. G. Deshmukh**, *Professor, IIT Delhi*, **Prof. N. J. Rao,** *Former Professor, IISC Bangalore*, **Prof. Rajat Moona**, *Director, IIT Bhilai*, **Padma Shri Prof. Anil Kumar Gupta**, *Visiting Faculty, IIM Ahmedabad* were some of the eminent speakers. **Prof. Madan Mohan Tripathi,** *Director, IQAC, DTU*, **Dr. G. Rameshwar Rao,** *Director, ESC*, and **Er. Sai Kishore P.,** *Head (FDP Cell) & Head (Corporate Relations and Outreach), Engineering Staff College of India* coordinated the event.

Innovations in Biotechnology and Life Sciences

Department of Biotechnology, DTU organised a three day international conference on *"Innovations in Biotechnology and Life Sciences"* in December, 2020. **Prof. Rakesh Bhatnagar**, *Hon'ble Vice Chancellor, BHU* was the Chief Guest. **Prof. Yogesh Singh,** *Hon'ble Vice Chancellor, DTU* was the Chief Patron and **Prof. Jaigopal Sharma,** *Head, Department of Biotechnology* was the Patron. **Prof. Shyam K. Sharan**, *National Institute of Health, USA*, **Prof. Rajiv K. Saxena**, *Vice-President, South Asian University*, **Prof. Jaigopal Sharma**, *HoD, Department of Biotechnology*, **Prof. Pravir Kumar,** *Department of Biotechnology* and **Prof. B.D. Malhotra**, *Department of Biotechnology* served as the members of the advisory board.

Structural Audit for Earthquake Safety

Delhi Technological University in association with *National Institute of Disaster Management,* jointly organised an Online Short Term Training Programme on **"Structural Audit for Earthquake Safety",** in November, 2020. **Maj. Gen. Manoj K. Bindal,** *Executive Director, NIDM* and **Prof. Yogesh Singh,** *Hon'ble Vice Chancellor, DTU* were the patrons of the event. **Prof. Nirendra Dev**, *Head, Department of Civil Engineering*, was the Chairperson. **Prof. Shilpa Rai,** *Department of Civil Engineering*, **Prof. Raju Sarkar**, *Department of Civil Engineering*, and **Dr. Amir Ali Khan**, *Resilient Infrastructure Division, NIDM* served as event coordinators.

N-Samarth Webinar

Department of Computer Science and Engineering, DTU organised an online webinar on *"Next Generation Security and Analytics for Mobile Assisted Remote Healthcare (N-Samarth)",* in January, 2021. **Prof. Yogesh Singh**, *Hon'ble Vice Chancellor, DTU* was the Chief Patron of the event and **Prof. Rajni Jindal,** *Head, Department of Computer Science and Engineering*, served as the Patron. **Dr. Divyashikha Sethia** was the Coordinator and **Dr. Aruna Bhat** and **Ms. Minni Jain** were the Co-Coordinators for the event.

Paraakram 2021

Sports Council, DTU organised the **1st Annual Faculty Sports Meet, *"Paraakram 2021",*** to commemorate the **72nd Republic Day of India**, in January, 2021. **Prof. Yogesh Singh**, *Hon'ble Vice Chancellor, DTU*, was the Chief Guest of the event. The sports meet witnessed the participation of more than 200 faculty and staff members in 9 different games. The event was a huge success and it spread an aura of sportsmanship and motivation for playing sports among all the participants and the organisers.

farewell 2020

The **DTU Cultural Council** organised a farewell celebration for the outgoing **Class of 2020** in May, 2020. Considering the various safety precautions to be followed during the pandemic, the farewell was conducted virtually. The event, which spanned almost the entire month, used a dedicated Instagram handle which featured a series of heartfelt messages penned by juniors for their outgoing seniors as the main highlight. Ranging from laugh-out-loud funny to nostalgic, these messages struck a chord with everyone visiting the page. In addition, the members of **Madhurima,** *the music society of DTU* and **Nrityangana,** *the classical dance society of DTU* made the farewell event for the Class of 2020 even more memorable with their mesmerising performances.

All in all, despite the fact that the students hadn't anticipated a virtual farewell, the event touched the hearts of the soon-to-be graduates and turned out to be a major success.

freshers' orientation 2020

The Freshers' Orientation for the new students joining DTU in the year 2020 was conducted over a period of three days from 2nd to 4th December 2020. Keeping in mind the necessary safety precautions to be followed due to the pandemic, the event was conducted virtually. Despite the challenges posed by the Orientation programme shifting online, it was a major success in terms of briefing the new students about the rules and course structure followed by the university as well as introducing them to the various opportunities that they can take advantage of during their time in college.

The event was inaugurated with an inspiring address delivered by **Prof. Yogesh Singh,** *Hon'ble Vice Chancellor, DTU,* after which the **'Batch of 2020'** was offered a breathtaking virtual tour of the campus. This was then followed by *"Illustrious Alumni",* a session in which notable alumni spoke about their experiences of their time at college. The speakers included **Mr. Maneet Gohil,** *Founder and CEO, Lal10,* **Mr. Tashwinder Singh,** *CEO, Niyogin Fintech,* **Mr. Arun Gupta,** *Team Leader, Siemens,* **Mr. Rajkumar Rishi,** *Managing Director, Dell India* and **Mr. K.R.Sriram,** *CTO, IAAD.* Over the course of three days, students were made aware of the various academic processes and regulations followed by the university. The students were also shown videos showcasing the various technical and cultural societies of the university. This was succeeded by impelling addresses from **Prof. Dinesh Singh,** *former Vice-Chancellor, DTU* and **Prof. I.K. Bhat,** *Vice-Chancellor, Manav Rachna University.* The students were also informed about the academic structure of the B.Tech program and various other opportunities available to the students.

All in all, the **Class of 2024** started this new phase of their life on an extremely positive note with the promise of many more wonderful experiences lying in store for them as they make their way through college.

Convocation
2020

The **7th Convocation Ceremony** for the **Class of 2020** was held on 24th December 2020. In order to maximise safety due to the COVID-19 pandemic, the ceremony was held in online mode. Even with fewer people attending the offline ceremony, the nostalgia in the eyes of the **Class of 2020** was certainly imminent, which bid one final goodbye to the prized abode, their alma mater.

Prof. Yogesh Singh, *Hon'ble Vice-Chancellor, DTU* addressed and congratulated the students at the start of the ceremony and presented the **Annual University Report.** The ceremony saw the conferring of **2661 degrees,** along with **2 Chancellor's Medals** and **45 Vice Chancellor's Medals.**

This was followed by the Convocation Address delivered by the Chief Guest, **Prof. Yogi Goswami,** *Distinguished University Professor and Director of the Clean Energy Research Center at the University of South Florida.* He addressed the graduating students and exhorted them to contribute towards society and stressed on providing products and services to improve the lives of people all over the world.

Mr. Manish Sisodia, *Hon'ble Deputy Chief Minister* was the Guest of Honour for the event, and delivered his rousing speech and applauded the students on their success and wished the graduates luck for their future endeavours. **The 50th Edition of DTU Times** was released by the esteemed dignitaries, and the graduates and rank holders were then conferred with gold medals and their prestigious degrees.

The event was a testament to the fact that embracing change is the most valuable virtue of life, for the **Class of 2020,** which witnessed an online convocation. With the conferral of their degrees, they moved on to a new phase in life taking the legacy of DCE-DTU forward, as a new voyage of achieving greater professional heights awaits them.

THE **YEAR** IN REVIEW

February 2020

- Awareness Workshop on Prime Minister's Fellowship for Doctoral Research
- National Seminar on Recent Trends in Applied Physics and Engineering (RTAPE-2020)
- Engifest - the Annual Cultural Fest
- Expert Lectures to mark the 126th birth anniversary of Dr. Shanti Swarup Bhatnagar and National Science Day

March 2020

- Mid-semester examinations (Even Semester)

April 2020

- Karyon '20 - the Annual Technical Fest hosted by Department of Biotechnology

May 2020

- CV Building Workshop by Department of Training & Placement

June 2020

- Online end-semester examinations

August 2020

- Independence Day Celebration

September 2020

- Session on Skilling and Entrepreneurship Opportunities
- International Conference on Recent Advances in Mechanical Engineering

November 2020

- ISQIHE 2020
- Training Programme on Structural Audit for Earthquake Safety
- Development Program on Organisational Effectiveness in the Age of Agility by DSM DTU

December 2020

- New Year Celebration Cricket Match
- Freshers' Orientation
- Convocation for the Class of 2020
- International e-Workshop on Bioinformatics
- International Conference on Innovations in Biotechnology and Life Sciences

January 2021

- **DTU Times Edition 50**
- PARAAKRAM 2021 - the Annual Sports Meet

February 2021

- Orientation for Faculty Members
- Research Excellence Awards 2021
- Inauguration of the newly constructed Department of Design building

4th Research Excellence Awards Function

Delhi Technological University organised its fourth **Research Excellence Awards Ceremony** in February, 2021. The ceremony was graced by **Prof. Yogesh Singh**, *Hon'ble Vice Chancellor*, *DTU* as the Chief Guest. **Prof. Ashutosh Trivedi**, *Dean, IRD, DTU* addressed the esteemed gathering of dignitaries and awardees and underscored the prominence of quality research in educational institutes. More than one hundred researchers and nearly two hundred qualifying research papers were recognised through certificates and cash grants of up to ₹ 1 lakh. Of all the awards conferred, **9** were in the **'Premier Research'** category while **182** were in the **'Commendable Research'** category.

A list of things you need to get through DTU

Parangat Mittal, 4th Year, ECE
Anoushka Raj, 3rd Year, ENE

1. A bunch of extremely reliable friends that you can hit up for anything: borrowing ED supplies when you left yours at the hostel, 2 AM Maggi at Maggi baba, ...

2. A lot of cheap books. Our two go-to options would be issuing books from the library (which needs you to be prompt or all copies run out), or heading to Future Point and leaving everything up to bhaiya's expertise and experience.

3. A warm comfort meal at MechC. Be it a stack of break pakoras or the piping hot chole bhature, food options at MechC are as diverse as it gets. Over the 4 years, you will inadvertently become attached to a particular meal, and on bad days as well as special ones, you might find yourself crawling back to the rugged counter with a coupon in your hand, shoving the bustling crowds and getting late to class, just to have one bite of something that has started to feel a lot like home.

4. Your ID card. Entering college gate every day to attend classes, issuing books from the library, getting a free pass into college fests at universities around the country, and getting special discounts at cafes around Rohini - you never know when your college ID will come in handy. We recommend keeping it on your persona at all times.

5. An alarm clock - your first attempt at elusive productivity - to set 17 alarms for your 8 am class and snooze them until your roommate drags you out of bed.
A possible alternate: a friend who is a morning person, so that they wake you up every day on their way to the mess or metro.

6. A class crush who would be the reason your attendance sees a dramatic improvement. You may or may not find your soulmate, but your grades might just take a turn for the better.

7. The phone numbers of every food joint around the college to get food delivered at your hostel/PG way sooner than Zomato. Remember they only deliver above a minimum bill amount, so it's a good decision to convince your flatmates to order with you!

8. A bunch of formal blue shirts to wear to those tiresome Pre-Placement Talks and hopefully the dreaded interviews. *P.S.* Some may have to wear that shirt to parties as well if your TnP watch ends very soon.

9. The email addresses of the photocopy shops in and around DTU - so that you can send that admit card in advance to get the printout 10 minutes before the exam.

10. A group of go-to seniors who would help you with anything, right from placements and admits to practical files and projects.

Faculty News & Achievements

Awards, Honours, and Conferences

Prof. S. Indu, Dept. of Electronics and Communication Engineering
- Co-organiser, Workshop, 'Intelligent Transportation Systems, Intelligent Vehicles and Advanced Driver Assistant Systems', *IEEE Intelligent Vehicles Symposium*
- Speaker, 'Energy Efficient Sensor Networks', *Francis Xavier Engineering College, Tamil Nadu*
- Speaker, 'Mobile AdHOC Networks', Online Short Term Training Program, 'Advanced Next Generation Wireless Technique', *UCER, Prayagraj*
- Speaker, 'Object recognition', FDP, 'Pattern Recognition using Neural Networks for Image processing', *VIT, Chennai*
- Speaker, 'IoT Sensor Networks', FDP, 'Internet of Things', *SRM Institute of Science and Technology, Ghaziabad*
- Attendee, International Summit on Quality Indices in Higher Education, *DTU*

Prof. Nand Kumar, HoD, Dept. of Humanities
- Patent Granted, Smart Autonomous Weed Detection and Removal

Prof. Rajni Jindal, HoD, Dept. of Computer Science and Engineering
- Session Chair, 'Panel Data Analysis', *DTU*

Prof. Pravir Kumar, HoD, Dept. of Biotechnology
- Session Co-Chair and Speaker, 'Post-translational modifications in Neurological disorders', Annual Conference on SNCI, *University of Hyderabad*

Prof. Anjana Gupta, Dept. of Applied Mathematics
- Awardee, Commendable Research Award, *DTU*
- Course Coordinator, Training Programme, 'Graph theory and its applications', *DTU*

Prof. Dinesh Kumar Vishwakarma, Dept. of Information Technology
- Awardee, Premier & Commendable Research Award, *DTU*

- Speaker, 'Role of Computer Vision in Internet of Things', *SRM Institute of science and Technology, Ghaziabad*
- Speaker, 'Deep Learning for Visual Computing and Communication', *NIT Silchar and E&ICT Academy, NIT Patna*

Prof. Narendra Kumar, Dept. of Electrical Engineering
- Awardee, Best Paper Award, 'ANN Based Adaptive SOGI-FLL Controller for Multi-functional Grid Tied Solar Energy conversion System', Indian Engineering Congress, *Institution of Engineers*
- Awardee, Best Paper Award, 'Solution of Single Objective and Multi-Objective Optimal Power Flow Problem using Chicken Swarm Optimization', Indian Engineering Congress, *Institution of Engineers*
- Attendee, IEEE India Council International Conference, *NSUT*

Prof. Pragati Kumar, Dept. of Electrical Engineering
- Mentor, Team Gypsea, 1st Position, Smart India Hackathon 2020 Hardware Edition, *Ministry of Human Resource and Development*

Prof. Rahul Katarya, Dept. of Computer Science and Engineering
- Declared amongst the World's top 2% Scientists, *Stanford University, USA*
- Awarded World Ranking 3696, Metrix category (Artificial Intelligence & Image Processing), *Stanford University, USA*
- Member, International Cooperation Division, Department of Science and Technology, 5th BRICS Young Scientists Conclave, 'BRICS Partnership of Young Scientists and Innovators for Science Progress and Innovative Growth', *Russia*
- Keynote Speaker, 'How Artificial Intelligence is Transforming the Health Industry?', *IEEE Virtual Meet, IEEE-AcSIR CSIO Student Branch, CSIR-CSIO*
- Speaker, 'Opportunities and Challenges in Healthcare Analytics Using Artificial Intelligence in BRICS Countries', *BRICS-YSF Conclave 2020, South Ural State University, Russia*

- Keynote Speaker, 'Significance of Opinion Leader in Online Social Networks', Department of Computer Science & Engineering and Information Technology, *Jaypee University of Information Technology, Himachal Pradesh*
- Principal Investigator, 'Travel Risk Information in a Pandemic using Artificial Intelligence Development', *Department of Science and Technology, Government of India*

Prof. S. Anbu Kumar, Dept. of Civil Engineering
- Attendee, International Webinar, 'Sustainable Engineering', *Andhra University and Council of Scientific and Industrial Research - Indian Institute of Chemical Engineering, Hyderabad*
- Attendee, FDP, 'Outcome Based Engineering Education and Accreditation', *NIT Meghalaya*
- Attendee, Webinar, 'Prime Minister Agenda Point No. 10: Bring About Greater Cohesion in International Response to Disasters', *National Institute of Disaster Management, Ministry of Home Affairs*
- Attendee, 'Yoga Practices as Exercise Medicine - An Antidote for Physical and Mental Health Management during Pandemic Times', *University College of Engineering, Tamil Nadu*
- Attendee, International Workshop, 'Durability of Concrete', *NIT Surathkal*
- Attendee, International Workshop, 'The joy, opportunities and challenges in Field Hydrological Research', *NIT Mysore and IIT Guwahati*
- Attendee, Training Programme, 'Structural Audit for Earthquake Safety', *National Institute of Disaster Management and DTU*
- Attendee, FDP, 'Internet of Things: A Future Outlook in Civil Engineering- Phase II', *NSS College of Engineering, Kerala*
- Attendee, International Conference on Engineering Challenges in Gulf Countries, *Institution of Engineers*
- Attendee, Training Programme, 'Climate Change and Hydrological Impact Assessment', *National Institute of Hydrology, Roorkee*

Dr. Pravin Kumar, Assoc. Prof., Dept. of Mechanical Engineering
- Speaker, 'Multiple Attribute Decision Making and Its Industrial Applications', *NIT Surat*
- Attendee, Webinar, 'Anti-Viral Therapy', *Pearson Learning*
- Presenter, 'An analysis of customer's purchase intention towards the green products and its effect on Manufacturing: A statistical analysis', International Conference of Advance Research and Innovation, *GL Bajaj Institute of Technology and Management, Greater Noida*
- Session Chair, International Conference on Future Learning Aspects of Mechanical Engineering, *Amity University, Noida*

- Session Chair, 'Future of Business in the Global Realities', Fore International Business Conference, *Delhi*
- Session Co-Chair, Recent Advances in Mechanical Engineering, *Department of Mechanical Engineering, DTU*
- Session Chair, National Conference on Development in Renewable Energy & Future Trends in Mechanical Engineering, *Mewat Engineering College, Gurgaon*

Dr. Rajiv Ranjan Dwivedi, Assoc. Prof., Dept. of Humanities
- Presenter, International Conference on "Mythology: Past, Present And Future"
- Attendee, FDP, 'Language in the Times of Covid-19', *University School of Humanities and Social Sciences, GGSIPU*
- Presenter, 'Ram versus 'Rama': Interrogating Phonetic Derogation', Rama in Art, Literature and Tradition, *Heritage Society, Patna*
- Organiser, Workshop, 'Panel Data Analysis', *DTU*
- Presenter, 'Poverty and Social Struggle: A Study in Arvind Adiga's The White Tiger', All India English Teachers' Conference, *Magadh University, Bodh Gaya*
- Speaker, 'Research Methodology: Major Conceptual Concerns', *Manav Rachna International Institute of Research and Studies*
- Speaker, 'Empowering Girls for a Brighter Tomorrow 2020', *International Award Conference, International Association of Research and Developed Organisation*
- Participant, 'GSuite for Education Training', *Techno@ Team*
- Speaker, 'Language and Personality: An Observation', *University School of Education, GGSIPU University*
- Speaker, 'दिनकर जयंती पर विशेष संवाद', *Heritage Society, Patna*
- Convener, 'मिथक, इतिहास एवं कविता', *Heritage Society, Patna*
- Speaker, 'हिंदी दिवस पर विशेष संवाद', *Heritage Society, Patna*
- Guest speaker, 'विरासत कवि सम्मेलन', *Heritage Society, Patna*

Dr. Ram Singh, Assoc. Prof., Dept. of Applied Chemistry
- Attendee, Webinar, 'Chemistry for Sustainable Development', *NREC College, Khurja*
- Attendee, Webinar, 'Alzheimer's Disease: Facts, Challenges and Opportunities', *Shivaji College, Delhi University*
- Attendee, Webinar, 'Pathogenesis and treatment of Alzheimer's Disease', *Daulat Ram College, Delhi University*

Dr. Shilpa Pal, Assoc. Prof., Dept. of Civil Engineering
- Awardee, Best Paper, 'Investigation of the Impact of Eco-Friendly Building Materials on Carbon Footprints of an Affordable Housing in Plain Region', International Conference on Industrial and Manufacturing Systems, *NIT Jalandhar*

- Attendee, Training Workshop, 'Disaster Risk, Vulnerability Assessment and Management', *National Institute of Disaster Management, Ministry of Home Affairs and DTU*
- Attendee, Training Programme, 'Applications of Techniques/Tools in Engineering', *Gautam Buddha University, Noida*
- Attendee, Webinar, 'Engineering Physical Sciences and Management', *BVICAM*
- Attendee, FDP, 'Nascent Methodologies, Challenges and Realms of Research', *DTU*
- Attendee, Webinar, 'Underground Space Utilization', *AMU, Aligarh*
- Presenter, 'Shoring Based Formwork Optimization using SOMGA for Multi-Storey Buildings', International Conference on Scientific and Natural Computing, *Gautam Buddha University, Noida*
- Presenter, 'Quality Factors Prioritization of Ready-Mix Concrete and Site-Mix Concrete: A Case Study in Indian Context', International Conference on Scientific and Natural Computing, *Gautam Buddha University, Noida*
- Joint-Organiser, Training Programme, 'Seismic Structural Safety Audit of Structures', *National Institute of Disaster Management, Ministry of Home Affairs*
- Speaker, 'Influence of Modelling Discontinuities in Dam and its Foundation', Structural Engineering for Sustainable Development, *Indian Association of Structural Engineers*
- Speaker, 'Conceptual Design of Earthquake Resistant Buildings and Safety Measures', STTP on 'Life Cycle Assessment and Structural Health Monitoring of Structures', *Department of Civil Engineering, Aarupdai Veedu Institute of Technology, Tamil Nadu*
- Speaker, 'Seismic Conceptual Design of Buildings', STTP on 'Seismic Structural Safety Audit of Structures', *National Institute of Disaster Management, Ministry of Home Affairs and DTU*
- Speaker, 'Ensure Your Safety Against Earthquake: Dos and Don'ts', National Webinar, *DTU*
- Speaker, 'Ensure Your Safety Against Earthquake: Dos and Don'ts', National Webinar on Safety against Earthquake, *Indira Gandhi National Open University, Delhi*
- Speaker, 'Development of Self-Healing concrete for Concrete Healing', Workshop on Behaviour of Smart Materials and Concrete Structures, *AMU, Aligarh*
- Chair, International Conference on Scientific and Natural Computing, *Gautam Buddha University, Noida*

Dr. Yasha Hasija, Assoc. Prof., Dept. of Biotechnology
- Organiser and Convener, International E-Symposium, 'Women in Science', *DTU*
- Coordinator, International Workshop, 'Bioinformatics', *DTU*

Dr Divyashikha Sethia, Asst. Prof., Dept. of Computer Science and Engineering
- Organiser, Webinar, 'Next-generation Security and Analytics for Mobile Assisted Remote Healthcare', *DTU*

Dr. Goonjan Jain, Asst. Prof., Dept. of Applied Mathematics
- Awardee, Outstanding Paper Award, 'KeyGames: A Game Theoretic Approach to Automatic Keyphrase Extraction', *International Conference on Computer Linguistics, Spain*
- Nominee, Best Paper Award, 'KeyGames: A Game Theoretic Approach to Automatic Keyphrase Extraction', *International Conference on Computer Linguistics, Spain*

Dr. Kusum Lata, Asst. Prof., USME
- Awardee, Commendable Research Award, *DTU*
- Participant, Faculty Induction Programme, *Jamia Millia Islamia*
- Presenter, 'Computational Analysis of Machine Learning Techniques for Heart Disease Prediction', International Conference on Cloud Computing, *Amity University, Noida*
- Presenter, 'Improving Software Maintainability Predictions using Data Oversampling and Hybridized Techniques', IEEE World Congress on Computational Intelligence, *Glasgow, United Kingdom*

Dr. M. Jayasimhadri, Asst. Prof., Dept. of Applied Physics
- Awardee, Commendable Research Award, *DTU*
- Jury Member, ACSIR Best Ph.D. Thesis Award
- Attendee, Conference, 'Lasers and Electro-Optics', *IEEE Photonics Society and the Optical Society of America*
- Attendee, 'Advanced Materials for Energy Storage Applications', *Research Centre of Physics, Fatima College, Madurai*
- Attendee, Workshop, 'G Suite for Education Training', *DTU*
- Attendee, Webinar, 'Spectroscopic Tools for Material Characterization and Industrial Applications', *Sree Vidyaniketan Degree College, Andhra Pradesh*
- Attendee, Workshop, 'Science Leadership', *Central University of Punjab, Bathinda*
- Attendee, Webinar, 'ICT Enabled Science Education in India', *SGTB Khalsa College, Delhi University*
- Attendee, Webinar, 'Prospects of Nano-materials Modified Conducting Paper-based Biosensors for Cancer Detection', *DTU*
- Attendee, Webinar, 'Creative Writing of Research Proposals & Articles', *Adikavi Nannaya University, Andhra Pradesh*
- Attendee, Symposium, 'Emerging Areas of Photonics to Celebrate International Day of Light', *National Academy of Sciences India- Delhi Chapter and the*

Optical Society of India
- Attendee, 'Sustainable Energy Sources for the Transportation Applications', *DTU*
- Attendee, Webinar, 'Research Methodology: An overview', *ARSD College, Delhi University*
- Attendee, Webinar, 'Role of Ayurveda in Management of COVID-19', *ARSD College, Delhi University*
- Attendee, Webinar, 'Higher education in India after COVID-19', *ARSD College, Delhi University*
- Attendee, Seminar, 'Recent Trends in Applied Physics and Engineering by Shanti Swarup Bhatnagar (SSB) Awardees', *DTU*

Dr. Navneeta Bharadvaja, Asst. Prof., Dept. of Biotechnology
- Attendee, Workshop, 'Molecular Phylogeny and Molecular Docking', *Mizoram University, Aizawl*
- Participant, GSuite for Education Training, *Techno@ Team*
- Attendee, FDP, 'Waste to Bioenergy', *Sharda University and Maharashtra Institute of Technology, Aurangabad*
- Attendee, FDP, 'Environment, Water and Disaster Risk Reduction', *Sharda University and National Institute of Disaster Management, Ministry of Home Affairs*
- Attendee, Short Term Programme, 'Trends and Prospects in Biorefinery', *NIT Jalandhar*

Dr. Paras Kumar, Asst. Prof., Dept. of Mechanical Engineering
- Attendee, FDP, 'Additive Manufacturing with Interdisciplinary, Applications', *NIT Jalandhar*
- Attendee, FDP, 'Supply Chain Management: Tools and Techniques', *Punjab Engineering College, Chandigarh*
- Attendee, Seminar, 'Modelling and Simulation in Design and Manufacturing', *MNIT Bhopal*

Mr. Sanjay Patidar, Asst. Prof., Dept. of Computer Science and Engineering
- Awardee, Best paper, 'Streamed COVID-19 data analysis using LSTM a deep learning technique', International Conference on Soft computing for Problem-Solving, *IIT Indore*
- Patent Granted, Smart Autonomous Weed Detection and Removal

Dr. Smita Rastogi Verma, Asst. Prof., Dept. of Biotechnology
- Attendee, International Conference on Innovations in Biotechnology and Life Sciences, *DTU*
- Attendee, International Workshop, 'Bioinformatics', *DTU*
- Attendee, International Webinar, 'Looking at Life Differently – A Fallout of COVID-19 Pandemic', *Dr Rammanohar Lohia Avadh University, Ayodhya*
- Attendee, Workshop, 'Empowering Teaching through Online Mode IV', *Jawaharlal Nehru University, Delhi*
- Attendee, Webinar, 'Fungal Functional and Ecological Analysis via High-throughput Phenotyping', *Biolog Inc.*

- Attendee, National Seminar, 'Computational to Lab Strategies on Covid-19', *Amity Institute of Biotechnology, Lucknow*
- Attendee, Webinar, 'Microbiome: Perceptions and Perspectives', *K-tech, ABLE & BioTecNika*
- Attendee, Webinar, 'Relevance and Importance of Yoga in Present Scenario', *Gurukula Kangri Vishwavidyalaya, Haridwar*
- Attendee, Workshop, 'Interview Skills', *NIT Jalandhar*
- Attendee, Webinar, 'Science, Technology & Covid-19 Pandemic', *University of Gujarat*
- Attendee, Webinar, 'Fundamentals of Effective Scientific Writing: Manuscripts and Grants', *American Chemical Society*
- Attendee, Webinar, 'Outcome-based Education Software', *VMEDULIFE*
- Attendee, Webinar, 'Microbiologist in Everybody', *Biocon Academy & Biotecnika*
- Attendee, Training Workshop, 'Environment, Water and Disaster Risk Reduction', *Sharda University, NCR and National Institute of Disaster Management, Ministry of Home Affairs*
- Attendee, Workshop, 'Waste to Bioenergy', *Sharda University, NCR and Maharashtra Institute of Technology, Aurangabad*
- Attendee, FDP, 'Innovation, Entrepreneurship & Patents in Academia', *Amity Institute of Biotechnology, Lucknow*
- Attendee, FDP, 'Trends and Prospects in Biorefinery', *NIT Jalandhar*
- Attendee, FDP, 'Outcome Based Education and Accreditation', *IILM College of Engineering & Technology, Noida*

Ms. Sonika Dahiya, Asst. Prof., Dept. of Computer Science and Engineering
- Awardee, Commendable Research Award, *DTU*
- Attendee, 'Advanced Pedagogical Techniques', *Ramanujan College, Delhi University*
- Attendee, Webinar, 'Research Methodology', *Devi Ahilya Vishwavidyalaya, Indore*
- Attendee, Webinar, 'Orientation/Induction Programme', *Ramanujan College, Delhi University*
- Presenter, 'RKT2FCM: RBF Kernel-Based Type-2 Fuzzy Clustering', International Conference on Innovative Computing and Communication 2020, *Shaheed Sukhdev College of Business Studies, Delhi University*
- Presenter, 'Behavioral Analysis of WhatsApp Chats', 5th International Conference on Communication and Electronics Systems, *PPG Institute of Technology, Tamil Nadu*
- Presenter, 'Pre-Processing and Emoji Classification of WhatsApp Chats for Sentiment Analysis', International Conference on IoT in Social, Mobile, Analytics and Cloud, *SCAD Institute of Technology, Tamil Nadu*

STUDENT NEWS

RESEARCH PAPERS PUBLISHED & CONFERENCES ATTENDED

Rajkumar Chakraborty, Ph.D., BT, 3rd Year
• 'Predicting MicroRNA Sequence Using CNN and LSTM Stacked in Seq2Seq Architecture', *IEEE/ACM Transactions on Computational Biology and Bioinformatics*

Gopal Singh, M.Tech., CI, 2nd Year
• 'Universal Biquad Fractional order Filter Using Single LT1228 IC', *IEEE International Conference for Innovation in Technology, 2020*

Jyoti Srivastava, M.Tech., CI, 2nd Year
• 'Analog Inverse Filters Using OTAs', *6th International Conference on Control, Automation and Robotics, 2020*
• 'VDTA based Fractional Order Universal Filter', *IEEE International Conference for Innovation in Technology, 2020*

Abhay Kumar, B.Tech., CE, 4th Year
Arunish Kumar, B.Tech., CE, 4th Year
Avinash Kumar Jha, B.Tech., CE, 4th Year
Surabhi Adhikari, B.Tech., COE, 4th Year
Surendrabikram Thapa, B.Tech., COE, 4th Year
Sushruti Mishra, B.Tech., COE, 4th Year
• 'Evaluation of Factors Affecting Compressive Strength of Concrete using Machine Learning', *Advanced Computing and Communication Technologies for High Performance Applications*

Amit Kumar, B.Tech., CE, 4th Year
Arunish Kumar, B.Tech., CE, 4th Year
Avinash Kumar Jha, B.Tech., CE, 4th Year
• 'Crack Detection of Structures using Deep Learning Framework', *3rd International Conference on Intelligent Sustainable Systems, 2020*

Avinash Kumar Jha, B.Tech., CE, 4th Year
Lakshay Tyagi, B.Tech., ME, 4th Year
• 'Mechanical and tribological properties of AA7075-T6 metal matrix composite reinforced with ceramic particles and aloevera ash via Friction stir processing', *Materials Research Express*

Anjali Kumari, B.Tech., CEEE, 4th Year
Hemant Sharma, B.Tech., CEEE, 4th Year
Imroz Khan, B.Tech., CEEE, 4th Year
• 'Multi-Output Fast Wireless Charging for Electric Vehicles', *International Journal of Engineering Research & Technology*

Prashansa Bhattacharya, B.Tech., COE, 4th Year
Priyansh Verma, B.Tech., COE, 4th Year
Rohit Goyal, B.Tech., COE, 4th Year
• 'Analysis of Query Constrained Video Summarization Techniques', *6th International Conference on Inventive Computation Technologies, 2021*

Priyesh Agarwal, B.Tech., COE, 4th Year
Rishar Singh, B.Tech., COE, 4th Year
Sachin Singla, B.Tech., COE, 4th Year
• 'Food Recognition and Calorie Estimation using Convolutional Neural Networks', *12th International Conference on Recent Trends in Information, Telecommunication and Computing, 2021*

Surendrabikram Thapa, B.Tech., COE, 4th Year
• *International Joint Conference on Neural Networks, 2020*

Ankit Gupta, B.Tech., ECE, 4th Year
• 'Hardware Design of Approximate Matrix Multiplier based on FPGA in Verilog', *International Conference on Intelligent Computing and Control Systems, 2020*

Daksh Shah, B.Tech., ECE, 4ᵗʰ Year
Parangat Mittal, B.Tech., ECE, 4ᵗʰ Year
• 'Linear Feedback Shift Register-Based Test Pattern Generators: A Comparative Study', *International Journal of Advanced Research in Electronics and Communication Engineering*

Parangat Mittal, B.Tech., ECE, 4ᵗʰ Year
Vyom Garg, B.Tech., ECE, 4ᵗʰ Year
• 'Design and Analysis of LFSR based Content Addressable Memory', *IEEE International Conference on Computing, Communication, and Intelligent Systems, 2021*

Rani Medhashree, B.Tech., ECE, 4ᵗʰ Year
Sunakshi, B.Tech., MCE, 4ᵗʰ Year
Vatsal Agarwal, B.Tech., MCE, 4ᵗʰ Year
• 'Study and Applications of Fuzzy Systems in Domestic Products', *International Conference on Pervasive Artificial Intelligence, 2020*

Rani Medhashree, B.Tech., ECE, 4ᵗʰ Year
• *International Conference on Advanced Production and Industrial Engineering, 2021*

Gaurav Kumar, B.Tech., EE, 4ᵗʰ Year
• 'Experimental validation and control of Laboratory aerial system by IC741-IOPID and IC741-FOPI$^\lambda$ Controllers: An Analog approach', *International Conference on Computing and Networking Technology, 2020*

Aman Kaushik, B.Tech., ENE, 4ᵗʰ Year
Aviral Agarwal, B.Tech., ENE, 4ᵗʰ Year
Sankalp Kumar, B.Tech., ENE, 4ᵗʰ Year
• 'Comparative study on air quality status in Indian and Chinese cities before and during the COVID-19 lockdown period', *Air Quality, Atmosphere & Health*
• 'Financial viability assessment of concentrated solar power technologies under Indian climatic conditions', *Sustainable Energy Technologies and Assessments*
• 'Predicting Ground Level PM2.5 Concentration Over Delhi Using Landsat 8 Satellite Data', *International Journal of Remote Sensing*

Pranav Mani Tripathi, B.Tech., EP, 4ᵗʰ Year
• 'Numerical simulation and parametric assessment of GaN buffered trench gate MOSFET for low power applications', *IET Circuits, Devices & System*

Sunakshi, B.Tech., MCE, 4ᵗʰ Year
Tanay Singhania, B.Tech., MCE, 4ᵗʰ Year
Vatsal Agarwal, B.Tech., MCE, 4ᵗʰ Year
• 'A Novel Intrusion Detection System Using Deep Learning', *International Conference on Innovative Computing and Communication, 2021*

Tanay Singhania, B.Tech., MCE, 4ᵗʰ Year
• 'Hiding Data in Images Using Cryptography and Deep Neural Network', *Journal of Artificial Intelligence and Systems*

Kartikeya Bector, B.Tech., ME, 4ᵗʰ Year
• 'A Review on the Fabrication of Surface Composites via Friction Stir Processing and Its Modeling using ANN', *International Conference on Energy, Materials Sciences and Mechanical Engineering, 2020*

Aniket Gupta, B.Tech., PSCT, 4ᵗʰ Year
Saksham Srivastava, B.Tech., PSCT, 4ᵗʰ Year
Srishti Mittal, B.Tech., PSCT, 4ᵗʰ Year
• 'Artificial Neural Network-based modeling of the dehydration of the alcohol-water system using pervaporation process', *International Online Congress on Membranes and Membrane Assisted Processes, 2020*

Srishti Mittal, B.Tech., PSCT, 4ᵗʰ Year
• 'A Machine Learning Approach to Improve Ignition Properties of High-ash Indian Coals by Solvent Extraction and Coal Blending', *Chemical Engineering Journal*

Divyansh Singh Panwar, B.Tech., SE, 4ᵗʰ Year
Samarth Garg, B.Tech., SE, 4ᵗʰ Year
• 'A Literature Review On Sentiment Analysis Techniques Involving Social Media Platforms', *6ᵗʰ International Conference on Parallel, Distributed and Grid Computing, 2020*

Kunal Jaswal, B.A., Economics, 3ʳᵈ Year
• *Harvard Project for Asian and International Relations, 2020, Massachusetts, United States of America*

Tarunya Menon, B.Tech., BT, 3ʳᵈ Year
• *Students Innovations for Translation & Advancement of Research Explorations, Biotechnology Industry Research Assistance Council, 2020*

Shreyansh Gupta, B.Tech., CE, 3rd Year
Anunay Gupta, B.Tech., EE, 3rd Year
• 'InstaCovNet-19: A deep learning classification model for the detection of COVID-19 patients using Chest X-ray', *Applied Soft Computing*
• 'Recent Trends of Fake News Detection: A Review', *2nd International Conference on Machine Learning, Advances in Computing, Renewable Energy and Communication*, 2020

Abhay Lodhi, B.Tech., COE, 3rd Year
• *6th International Conference on Inventive Computation Technologies*, 2020

Jushaan Singh Kalra, B.Tech., COE, 3rd Year
• 'Hierarchical Clustering of World Cuisines', *36th International Conference on Data Engineering Workshops*, 2020
• 'Nutritional Profile Estimation in Cooking Recipes', *36th International Conference on Data Engineering Workshops*, 2020
• 'RecipeDB: a resource for exploring recipes', *Database*

Rishabh, B.Tech., COE, 3rd Year
• *Global Quantum Computation Workshop, QWorld*, 2020

Mitul Choudhary, B.Tech., ECE, 3rd Year
Varun Sirpal, B.Tech., EE, 3rd Year
• 'Advancing e-Government using Internet of Things', *2nd International Conference on Mobile Computing and Sustainable Informatics*, 2020

Sagar Singhal, B.Tech., ECE, 3rd Year
• *6th International Conference on Inventive Computation Technologies*, 2020

Purshottam Kandhari, B.Tech., EE, 3rd Year
Shubhang Gopal, B.Tech., IT, 3rd Year
• 'Criconomics: Study of Branding and Marketing in the IPL', *International Journal of Humanities and Social Science Inventions*

Rachit Bansal, B.Tech., EE, 3rd Year
• *Conference on Empirical Methods in Natural Language Processing*, 2020
• *Conference on Neural Information Processing Systems*, 2020
• *International Conference on Machine Learning*, 2020

Akanksha Tanwar, B.Tech., IT, 3rd Year
• *EXUN, 2020, Delhi Public School, RK Puram, Delhi, India*

Mridul Gupta, B.Tech., ME, 3rd Year
• 'Statistical Analysis of the Relation Between the Developmental Status of Nations and Their Banks' NPA Using Hypothesis Testing', *International Journal of Management*

Tashvik Dhamija, B.Tech., ECE, 2nd Year
• 'Comparative Analysis of Machine Learning and Deep Learning Algorithms for Detection of Online Hate Speech', *International Congress on Advances in Materials Science and Engineering*, 2020

Aviral Srivastava, B.Tech., EP, 1st Year
• *Future of Quantum Computing, 2020, Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, India*
• *Neutrinos: The Nobel Connection, 2020, Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, India*

AWARDS & COMPETITIONS WON

Chirag Singhla, B.Tech., COE, 4th Year
Kshitij Rastogi, B.Tech., COE, 4th Year
Pranav Sharma, B.Tech., COE, 4th Year
Shivam Kumar, B.Tech., COE, 4th Year
Abhinav Gautam, B.Tech., COE, 3rd Year
Ishan Chaudhary, B.Tech., COE, 3rd Year
• Winner, *Smart India Hackathon*, 2020

Tanay Singhania, B.Tech., MCE, 4th Year
• Research Excellence Award, *Journal of Artificial Intelligence and Systems, Institute of Electronics and Computer*

Angad Sethi, B.Tech., COE, 3rd Year
• Winner, *Conventional Debate Competition, Kamala Nehru College, Delhi, India*
• Runner-up, *K.C. Garg Memorial Inter-College Debate Competition, Maharaja Agrasen Institute of Technology, Delhi, India*
• Second runner-up, *Turncoat Debate Competition, Manipal University, Jaipur, India*

S. Aditya, B.Tech., COE, 3rd Year
Shubhang Gopal, B.Tech., IT, 3rd Year
• Winner, *BizQuiz, 2021, Birla Institute of Technology, Mesra, India*

Purshottam Kandhari, B.Tech., EE, 3rd Year
S. Aditya, B.Tech., COE, 3rd Year
Shubhang Gopal, B.Tech., IT, 3rd Year
• Winner, *Case Study Competition, 2020, Sri Guru Tegh Bahadur Khalsa College, Delhi, India*
• Winner, *Online Case Study Competition, 2020, Dyal Singh College, Delhi, India*

Akanksha Tanwar, B.Tech., IT, 3rd Year
Anima Jain, B.Tech., IT, 3rd Year
Shreoshi Roy, B.Tech., SE, 3rd Year
• Second runner-up, *Microsoft Engage, 2020*

Shubhang Gopal, B.Tech., IT, 3rd Year
• Winner, *Debate Competition, 2020, Indira Gandhi Delhi Technical University for Women, Delhi, India*
• Second runner-up, *Business Aptitude Quiz, 2020, Shri Ram College of Commerce, Delhi, India*

Anshuman Pandey, B.Des., 2nd Year
• Winner, *Non-Engineering Category, Student Engineering Model Competition, 2020*

INTERNATIONAL INTERNSHIPS & SCHOLARSHIPS AWARDED

Anuj Kumar, B.Tech., CE, 4th Year
• Build India Scholarship, *Larsen and Toubro*

Nikhil Seth, B.Tech., EE, 4th Year
• Second runner-up, *Code to Japan, Asia to Japan*

Shashank Jarial, B.Tech., EP, 4th Year
• *Google Summer of Code, 2020*

Tarunya Menon, B.Tech., BT, 3rd Year
• MITACS Globalink Research Internship, *Canada*

Anchal Gupta, B.Tech., COE, 3rd Year
• MITACS Globalink Research Internship, *Canada*

Gadde Satya Sai Naga Himabindu, B.Tech., COE, 3rd Year
• MITACS Globalink Research Internship, *Canada*

Rachit Bansal, B.Tech., EE, 3rd Year
• Research Internship, *Cuneiform Digital Library Initiative, University of Oxford, Oxford, United Kingdom*

• Research Internship, *Technion, Israel Institute of Technology, Israel*

Anoushka Raj, B.Tech., ENE, 3rd Year
• MITACS Globalink Research Internship, *Canada*

Akanksha Tanwar, B.Tech., IT, 3rd Year
• Google Women Techmakers Scholarship, *Asia Pacific*

Shubhang Gopal, B.Tech., IT, 3rd Year
• MITACS Globalink Research Internship, *Canada*
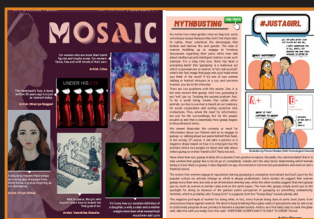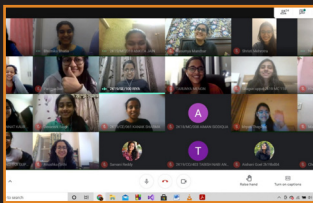
Anshuman Pandey, B.Des., 2nd Year
• Research Fund, *Council Of Scientific And Industrial Research–Central Electronics Engineering Research Institute, Pilani, India*

SOCIETY NEWS

CULTURAL SOCIETIES

CLIMB *launches* Empowered Today

CLIMB launched *Empowered Today - A Women's Only Newsletter* in November 2020. They also organised **'Press Resume'** - a fundraiser for acid attack survivors, in December 2020. The event included multiple workshops and competitions. A **Mentorship Program** has also been launched to help prepare second-year female university students for internships and placements.

DelTech MUN and Debating Society *forges* ahead

Apoorva Gupta was adjudged the **Best Delegate** in the **TechDebathon MUN'20**. **Lakshay Sharma** received a **Special Mention** and **Shubham Garg** received a **Verbal Mention** at the **KIIT MUN'21**. The society also organised **DelTech Model United Nations** in January 2020, **ABC Vivaad** in February 2020 as well as the **DelTech Intra MUN, 2021** in February 2021. In addition, **Weekly Charcha** was conducted every weekend.

Indian Game Theory Society, DTU *hosts events*

IGTS, DTU conducted **Nashify**, an open knockout tournament in September 2020. The society also organised **Beehive**, a knockout tournament in December 2020. **IGTS, DTU** also transitioned its flagship event, *Stratazenith* and conducted *Stratathon* at *IIT Kharagpur's* techno-management fest, **Kshitij** in January 2021.

The society also conducted a webinar on **Modelling situations using Game Theoretical tools** by **Dr. Subrato Banerjee**, *Assistant Professor, IIT Bombay, Behavioral Scientist at the Centre for Behavioral Economics, Society and Technology (BEST), Queensland University of Technology* and a webinar in association with **Learning Links Foundation, India** and the **TandP cell**, DTU on the **TOEFL exam** where **Ms. Sheena Kumar**, *ETS certified master trainer (TOEFL)* was the speaker. They also organised a session on *International Relations from the eyes of Game Theory* featuring **Ambassador Anil Trigunayat**, *Former Deputy Chief of Mission in the Embassy of India, Moscow; and Ambassador of India to Jordan and Libya* as the speaker.

Madhurima *strikes* a new note

Jahnavi Rajaram secured the **1st position** in the *Match the Note* category at the **Netflix Mismatched College Fest**. She also secured the **1st position** in the **Singing the Indigos** Western Vocals competition held at *IIT Bombay*. The society also hosted a workshop on *The Untold Secrets of Music Production*.
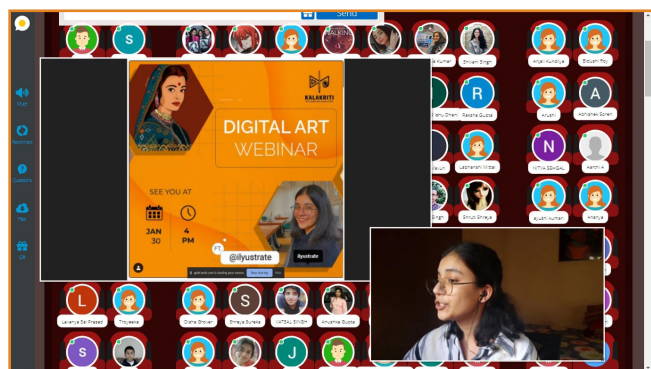
NRITYANGANA *organises* competitions

Nrityangana organised an online classical solo dance competition, **THIRAK**, in May 2020. In October 2020, they also organised a workshop on emotions and expressions vital to Indian performing arts - **Navarasa**. **Vartika Kaushik** bagged **1st position** in a **solo dance competition** organised by **GYAANKUNJ NGO**.

Kalakriti *wins* laurels

Kalakriti - The Creative Arts Society of DTU organised **SpinBack,** an online music production competition, in June 2020. They also organised a webinar on **Inversion Sketching** by **Mohit Bhankar** in May 2020. Another webinar was organised on **Digital Art** by *Artma* along with a **Digital Art Competition** in August 2020. A webinar on **Digital Art** was conducted by **Diya Soni**, a digital artist, in January 2021. A **Calligraphy Webinar** by *LetteringBuff* was held in September 2020.

Abhishek Kumar secured the **1st position** in **Reign of Hues** by *Shaheed Rajguru College of Applied Science for Women*. **Rasank Verma** secured the **2nd position** in the **Poster Making Contest** by *Maharaja Surajmal Institute*. **Bhartesh Kataria** was awarded the **3rd position** in **Real-Reel Competition** by *St. Stephen's College*. The **top 4 positions** in the **Online Sketching/ Painting Competition** at *Dr. Akhilesh Das Gupta Institute of Technology Management (ADGITM)* were bagged by **Manas Chawla, Danya, Krish Saini,** and **Vedangi Mittal**.
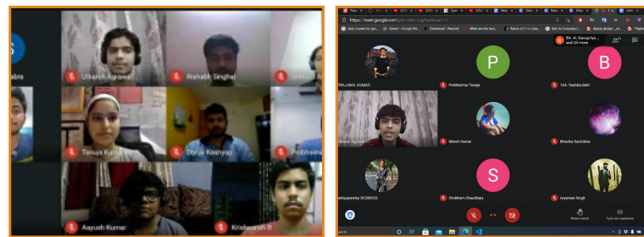

Pratibimb keeps the cameras rolling

Vedant Chouksey secured the first position in **Cinestory**, The Script Writing Competition of **Mood Indigo**, *IIT Bombay*. The society also organised a series of workshops on acting, creative writing and advanced filmmaking, and a workshop and Q and A session with Filmmaker **Aditya Kriplani**.

Cognitive Minds *wins* accolades

Shubhang Shukla participated in the **Online MUN** and bagged **High Commendation**, while **Anirudh Kumar Aheer** received the **Best Delegate** prize. The society also organised **Intra society PD, Orientation 2K20**.

ROUND TABLE DTU *organises* workshops

In December 2020, **ROUND TABLE DTU** organised a Competitive Programming event- **Ninja Wave** in collaboration with **Coding Ninjas**. In January 2021, they organised a freshman Induction where **Mr. Parikh Jain** was the speaker and a workshop on **Graphic Designing**. In August 2020 **Round Table, DTU** hosted **COGNIZANCE**, a non-technical event in collaboration with **Assets, DTU** and **DTU Consulting Group** with **Mr. Hemant Ahuja** and **Mr. Priyank Ahuja** as speakers. **Round Table, DTU** also organised a **Meme making competition** in October 2020.

Sahitya *sweeps* awards

Sahitya DTU organised various events like *Shab-e-Rekhta-Mehfil, Voice: A spoken word saga - Open Mic, Open Mic Sahitya x AIESEC, Pause a Verse - Open mic and book launch with Penguin Random House, Guftagu - Open Mic, 4 Impromptu- Talk Session (Instagram Live), Kalam- Creative Writing Competition and DTU Parliamentary Debate*.

Mallika and **Shivam** were the finalists of *Derozio Memorial Debate*. **Ashutosh, Utkarsh** and **Pranjal** were the Octofinalists of *GGS Freshers Debate* and **Sambhav** was the Quarter Finalist at *La Liberta Parliamentary Debate*. **Nilesh Nishant** bagged the **2nd** position in *Kaizen'20 slam poetry* at IIT Delhi, **2nd** position at *Mehfil-e-indigo* at IIT Bombay and overall champion of *Inverse* and *Irshad* at Bits Pilani Goa. **Anoushka Raj** secured the **1st** Position in a creative writing competition and poetry writing competition at IIT Goa, **Sambhav Jeswani** secured **2nd** position at Spilled Ink organised by Dayal Singh College, **Ananya, Dhairya** emerges as the **best team** at Hansraj Conventional Debate, In a **Turncoat Debate** held at Mount Carmel College, **Dhairya** secured the **1st** position. **Ananya Rath** became the Best Speaker at *KC Garg Memorial Debate*.

SOCIETY NEWS

NON-TECH SOCIETIES

180 Degrees Consulting *wins* big

180 Degrees Consulting won the **Best New Branch: Global Category** in the **180 Degrees Consulting Global Awards** from over 70+ branches worldwide. The society also organised **BizQuiz 2.0 - Unlocked** in January 2021 and launched the **DTU Casebook 2020-21** in association with the **Dept. of Training and Placement** in November 2020. The society invited **Mr. Shikhar Goel** for a case-solving session in October 2020.

Mahek Jain is one of the top-6 Finalists in the ongoing **KPMG Ideation Challenge** 2021 and the **National Finalist** at **Chaitanya**, Leadership Event of *IIM Indore*. **N.Krithika** secured the **2nd Position** at **Sociopreneur - Business Plan Competition** by *IIM, Calcutta*. **Atishay Katiyar** secured the **1st Position** at **Articulus: The Online Case Study Competition** by *180 Degrees Consulting, Manipal University*. **Purshottam Kandhari** won the **Enileven Case Study Competition** at *Dyal Singh College* in September 2020 and stood as the **National Finalist** at the **Policy Consulting Challenge - GGI** in October-November 2020. **Mridul Gupta** finished in the **Top 10** at **Consigliere Case Competition**, *Netaji Subhash University of Technology*, and secured a position in the **Top-8** at **Rural To Frugal Case Competition**, *Fore School of Management*. **Atishay Katiyar** and **Satvik Chhabra** were the **Finalists** at **Netaji Subhash Business Case Competition** (NSBC v4.0) at *Netaji Subhash University of Technology*.

ASES *conducts* events

ASES, DTU organised a series of Webinars titled **Entropy-neur** on entrepreneurship and the startup ecosystem. The first of these webinars on *Discovering opportunities and challenges in entrepreneurship and entrepreneurial development* featured **Jheal Shah** as the guest for the event. The second webinar, which focused on *Corporate entrepreneurship - Driving innovation in a global company*, featured **Gennie Neo** as the primary guest for the event. The third webinar on *Digital Upskilling - Thriving in a Post-Pandemic world* featured **Venkatesh Sarvasiddhi** as the event's guest. The fourth and final webinar of the series, on *Building an Investor-Friendly Startup - What investors look for in a Startup*, featured **David Brown** as the guest.

ASSETS *conducts* FORTUNE

ASSETS DTU conducted the **Financial Fest FORTUNE** in the online mode in April 2020. They also conducted **Let's Invest** - a workshop on *Stock Market Investment* in August 2020, and **Gold 360** - a workshop on *Investment in Gold* in November 2020. **Cryptocurrency Mock-Stocks** and **Stock Market Mock-Stocks** were some other events conducted by the society. They also organised several guest lectures over the past few months: A lecture on *Cryptocurrency and Blockchain* by *Founder of Roostoo*; **Demystifying LinkedIn** - a lecture by **Prafful Garg**, *Founder of Younity and Bookmypg*; **Managing MBA** - a lecture by DTU alumni and *IIM* students **Diksha Bahl** and **Anchita Bagga**; **Game Changers** - a lecture on *Entrepreneurship* by **Jason Stone** and **Tyrone Foster**; a lecture on *Quantitative Finance* by employees of *Morgan Stanley, HSBC, and JP Morgan*.

Varn Roy secured the **1st position** in **The Perfect Manager Contest** by *E-Cell MSIT*. **Mukul Singla** secured the **1st position** in **Jack of All Trades Mock-Stocks** and **2nd position** in **Trade Among Us** - a trading event by *Shaheed Rajguru College*. **Mukul Singla** and **Tanishk Verma** won the **3rd position** in **Finslueth** - a trading event by *IBS Hyderabad*.

Rotaract Club of DTU *devotes* to change

In July 2020, under **Project Prabhaav, Rotaract Club of DTU** along with **Rotaract Club of Alexandria Golden Riders, Egypt** donated food items, sanitisers and other supplements to those in need. **Rotaract Club of DTU** teamed up with **NSS DTU** to provide food and shelter to stray animals. The members also worked on preparing worksheets for the students of *Gyankunj*, an NGO for providing education to the slum children. They also conducted a **Tree Plantation Drive** during the pandemic in July 2020.

Enactus *makes an impact*

Enactus DTU reached the semi-finals of the **Enactus Nationals** organised by *Enactus, India* in the year 2019-20 and the finals of the **Inter-College Innovation Challenge** organised by the *Rajan Nanda Innovation lab by Escorts*. Enactus was also India's official entry for the **United Nations FAO forum** on *Agri-Food systems* held in the kingdom of Saudi Arabia. In addition, the society bagged the **Best Solution** award in the **#EnactusCares** - *Ideas for Impact contest* organised by *Enactus, India*.

What lies ahead....

       ...is your tale of evolution. Once you turn this page over, you are going to be privy to a profound, life-altering secret: your future. While you might be tempted to succumb to incredulity, opting to listen to the voice of rationale, rather than that of experience, I implore you to keep on reading. No matter how outlandish the prospect of witnessing your future might seem, it is my humble request, my reader, that you redeem this chance to peek into your future, for fate rarely serves up the same treat twice.

Before I lift the metaphorical curtain on your future, take a moment to introspect and gauge yourself, your personality, spirit, and character. Done? Now, let us proceed.

At this moment, you are well underway on your path to graduate from an esteemed university. After having worked your fingers to the bone for this opportunity, you are either on cloud nine or down in the dumps, but you are not stuck in between. Regardless of your emotional polarity, you are brimming with surreal potential and promise, bolstered by the naivety of youth and the purity of your emotions, untouched by the ravages of time. You are the very manifestation of Shakespeare's *bubble reputation*. But don't fret, for life is the great equaliser, and it'll come for you.

Soon the realism of the university will purge the inane childishness inculcated in you by your schools, and you'll begin to acclimatise to this unfamiliar world order. The waves of time will wash over you, stripping you of the naivety that has become part of your identity, and will leave you weary and worrisome. You'll still have a *bubble reputation*, but the bubble would've been worn thin by now, and will implode at even the mere hint of trouble. The silver lining, however, is that when that bubble collapses, and the iridescence fades away, that moment is when you'll truly discover yourself, and value yourself for all that you are. This is the precise moment when a switch will flip within you, and university life will transition from an agonising hellscape to a verdant land of opportunities.

Before you know it, you'll be nearing the end of your time here, and three things would've happened: reality would have sunk its claws in, you would have had your heart broken, and you would have had your heart broken, because no one learns the first time. But by now, you'd have learnt how to "pick yourself up and dust yourself off". You will change and will voluntarily choose to trade your freedom for a chance to play *the game*, a game replete with money-minting corporates and perplexing relationships, complemented by an absolute dearth of rules and ethics. And the quixotic naivety that you shed off along the way? You now see freshers wearing the same shade of ignorance, and you'll want to share with them the same secrets I am sharing with you today.

To all those who've convinced themselves that they'll forge their own paths and write their own destinies; go right ahead. Countless others have tried, and countless more will, but regardless of the path you choose, you will, one day, find yourself at exactly these milestones, and you'll do all the things I've said you will.

Because no matter where you run, you can't outrun fate.

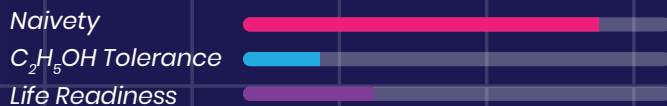-   **Angad Sethi, 3rd Year, COE**

YOUR FUTURE...

YOUR TALE
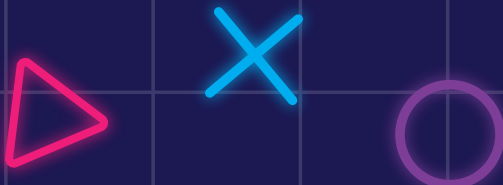

LEVEL 1

LEVEL 2

The Green Fresher

Armed with their trusty water bottle and practical knowledge about college gleaned from watching SOTY, this character struts into college as "genuine" people begin to whistle, and break into a spur-of-the-moment, choreographed dance routine.

Naivety
C_2H_5OH Tolerance
Life Readiness

The Disoriented Sophomore

Shockingly, there were no people whistling, it was just the security guard chasing away a few monkeys. After a year, the sophomore is picking up the pieces, and drowning their sorrows in terrible music and something a little bubblier than water.

Naivety
C_2H_5OH Tolerance
Life Readiness

OF EVOLUTION

LEVEL 3

LEVEL 4

The Weary Junior

*"You deserved this internship, dude" *mumbling* Even though I scored higher than you in every exam. So smooth, junior. This character is incredibly adept at bottling their emotions, emotions like jealousy, hatred, and rage. So yeah, he is acing the game.*

Naivety

C_2H_5OH Tolerance

Life Readiness

Khiladi No. 1

After amassing a wealth of bittersweet memories and trading their quixotic ethos for a chance to play the game, the senior walks off towards the sunset, into the treacherous, swirling eddies of fate.

Naivety

C_2H_5OH Tolerance

Life Readiness

...REVEALED

A TLASSIAN

DTU Times interviewed Utkarsh Tyagi, COE, Class of 2021, who got placed at Atlassian as a Software Development Engineer.

Given the multiple avenues one can explore in the field of computer science, how does one find the best fit for oneself? What are the primary skills one needs to acquire before sitting for interviews?

Everyone possesses a unique set of skills. You just have to try out different things and see where your interest lies. Before sitting for interviews, you need to be good at problem solving using Data Structures and Algorithms and you should be well acquainted with the core subjects.

How important are technical projects when it comes to placements? What are the key points one should include in their resume?

Technical projects play a significant role in shaping your interview. Good projects allow you to control the interview. Try to keep the resume short and to-the-point. It is good to have unique projects that demonstrate your diverse skill sets. While writing about internships, try to include your impact on the organization, in addition to the description of the work that was assigned to you.

How should one approach competitive coding? What kind of online courses should one choose?

Before starting with competitive programming, you should be well versed in the elementary data structures and algorithms. Once you are confident in these areas, you can advance to competitive programming platforms.

There are a plethora of courses available on the internet. I took some courses from Coding Blocks and Coding Ninjas and found them to be very thorough. Some of my friends did courses from PepCoding and landed offers from great companies. My advice is to choose any one course and follow it assiduously.

Read the full interview on our blog.

A NSYS

DTU Times interviewed Vyom Garg, ECE, Class of 2021, who got placed at Ansys as a Product Specialist Engineer. He also got selected for the MITACS Globalink Research Internship 2020, which was revoked due to the pandemic.

What are the key points one should include in their technical projects and research papers? What is given more importance in the core interviews?

Technical projects and research papers are often a way of demonstrating your skills and mastery in practical applications of various tools related to electronics. If you include some skills in your resume, it may get ignored during an interview. However, the projects and publications one includes in the resume never get overlooked.

In a technical interview, the recruiters are looking for basic knowledge and conceptual clarity about the core subjects. While preparing for an interview in electronics, the student must be clear about the basic concepts of electronics.

What key points should one focus on in one's application for the MITACS Globalink Research Internship to increase the chances of selection?

You must include any research papers/projects which may or may not be related to the projects you are applying for. The experience and hard work involved in working on a project are always appreciated. Keep your CGPA preferably over 9. Shortlist the projects according to the project description and your interest in the research field, not the university rankings.

My interview wasn't a typical Q&A, but more of a discussion about the project I would be working upon during the internship. Generally, a keen interest in the project and curiosity during the interview helped me put my case forward.

Read the full interview on our blog.

Z S ASSOCIATES

DTU Times interviewed Reva Singh, ECE, Class of 2020, who got placed at ZS Associates as a Decisions Analytics Associate.

How are the placements going for your branch, and how has the pandemic affected them?
Because of the pandemic, companies had to shift to virtual platforms to fulfil their strict screening processes. This meant long and tedious on-screen hours for the applicants and a heavy reliance on a steady internet connection. Due to these factors, the placements for my branch have been affected by a small margin. Hiring for non-tech profiles seems to have remained unchanged as compared to last year.

What made you pursue a career in the non-tech sector?
I started out working as a Research Intern at the National Physical Laboratory but was skeptical about pursuing a career in the core electronics and communication field. It was only after interning as an Analyst at a Private Equity firm in the following summer that I realized that my personality and skills were more suited for a non-tech career.

What is the process that companies like ZS Associates, typically follow to screen their applicants? What made you stand out as the perfect candidate?
All non-tech firms, including ZS Associates, screen applicants based on their problem-solving abilities and communication skills. Candidates are mainly tested on their quantitative ability, logical reasoning, data interpretation and verbal ability. CV and HR rounds are also an instrumental part of the process.
I believe that my problem-solving abilities and analytical skills in the case round made me stand out as a good candidate for ZS Associates. A well-written resume also helped in positioning myself as a candidate with a good portfolio of skills.

Read the full interview on our blog.

B AIN CAPABILITY NETWORK (BCN)

DTU Times interviewed Aniket Agrawal, ME, Class of 2021, who got placed at Bain Capability Network (BCN), Bain and Company as an Analyst.

What set you apart in front of the recruiters when you sat for non-tech placements?
There is a norm among engineering students sitting for non-tech placements that they somehow have to 'justify' the career switch. You just have to make the interviewer believe that irrespective of the field, you'll be able to deliver excellence; and that every work you undertook as an undergraduate was in pursuit of this excellence. I believe I was able to push this point across the table to the recruiters.

What advice would you give to the students preparing for the placement season during the pandemic?
There has been an underlying uncertainty due to the pandemic. In these testing times, it is necessary to do more than the bare minimum. After sending out about 200-250 emails to professors, I got positive replies from 2, which led me to work with INSEAD Business School. The success rate here is low, but with dedication, these avenues can offer many opportunities.

What motivated you to prepare for the GMAT? How did you prepare without any formal coaching?
The preparation for GMAT started as a backup for the uncertain job market and I explored courses like MIM and MS. In my opinion, formal coaching has very little to do with GMAT preparation. Most of the material is available online and self-study is the key. The things that I personally consider paramount for self-study are working regularly, sticking to the timeline and using all the resources available online.

Read the full interview on our blog.

SOCIETY NEWS

ASME *conducts* CADEMICS

ASME organised **CADEMICS**- an online national-level three-day CAD competition in July 2020. More than 100 teams from all over the country participated in the competition. They also conducted several online workshops- ***How to Write a Research Paper, Patents and IPR Rights*** in association with a patent firm *ideas2IPR* and a two-day seminar on ***Introduction to OpenFOAM***.

ASME also organised a lecture on the theme ***Aerospace, Space and Defence Applications of Additive Manufacturing***. The panel consisted of highly esteemed guests- **Govind Bajargan, Senior Research Scientist** at *ISRO*; **Prakasam Anand, Country Head**, *EOS GmbH India*; **Donald G. Godfrey, Senior Fellow**, *Department of Defence, SLM Solutions*. **Mr. Amol Nagar, Global Director of Manufacturing Operations, Sourcing and Supply Chain** at *GE Aviation*, conducted another lecture on ***Operational Excellence through Lean and Digital***.

D_CODER *organises* webinars and online events

D_CODER organised its first online tech event **TechQuest** in August 2020. They also organised a **90-minute coding contest** in collaboration with **Coding Ninjas** in September 2020. In July 2020, **D_CODER** organised a webinar by **Mr. Anurag Atri**, *Tech Lead, Google*, **D_CODER DTU** organised a webinar in collaboration with **DTU Consulting Group, ASSETS**, and **RoundTable DTU** on **'non-technical careers'**. In January 2021, they conducted a webinar on **Placement Preparations** in collaboration with **Pepcoding** by **Mr. Rajneesh Kumar**, *co-founder, Pepcoding*. The team also conducted **Senior Se Mulaquat** in partnership with **Equal Opportunity Cell, DTU**, at the university campus in January 2021. **Riya Dev Varshney, Garvit Gulati,** and **Ridham Jain** bagged the **2nd** position at **HackNagpur Hackathon** out of 220+ teams from all over the country.

DTU SUPERMILEAGE *wins* big

DTU Supermileage participated in the **Shell Eco Marathon Asia 2020** conducted by *MAKE THE FUTURE* in May 2020 and won the **Vehicle Design Award (Prototype)**, also bagged a **cash prize of 3000$**. The team also became the **Global Winners** of **"Decarbonising Road Freight Challenge"** - Pitch the Future organised by **Shell** under the **Virtual 2021 Programme** and bagged a **cash prize of 2250$**.
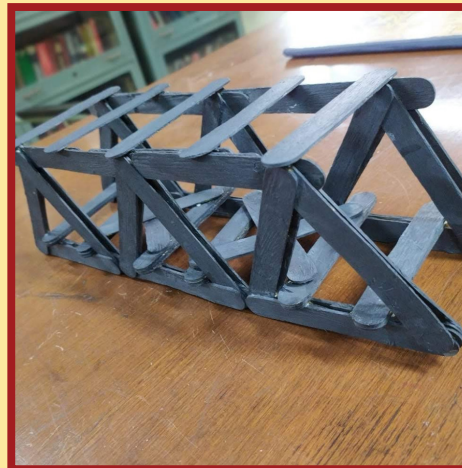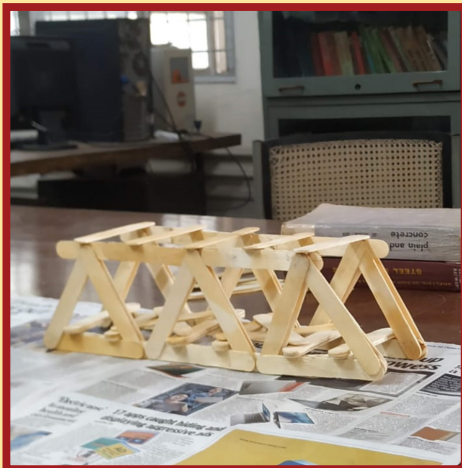
IEEE *bags* laurels

Dr. Jeebananda Panda received the **Outstanding Branch Counsellor Award** while **Manmohan Mathur** and **Samarth Goyal** became the proud recipients of the **IEEE Delhi Section Outstanding Student Volunteer Award**. **Nitin Dhemival** and **Lavanisha Prasad** were conferred with the **IEEE Delhi Section Outstanding WIE Student Volunteer Award** and **Anshul Gupta** and **Aditya Verma** bagged the prestigious **IEEE Delhi Section JK Pal Memorial Award**. In addition, **Manmohan Mathur, Harshit Gupta, Nitin Dhemival, Saurabh Patel,** and **Utkarsh Singh** were awarded the **IEEE Delhi Section Student Network Award**.

IEEE also organised a *Webinar on Workplace Environment and Laws for Women* in October 2020. The event featured **Dr. Sharad Kumari**, *Former General Secretary of BMS* as the main speaker. The society also organised **Techweek '21**, which consisted of various workshops and **Microhacks**, which provided students with an opportunity to learn about the in-demand technologies used in today's world.

IAStructE *organises* online webinar and workshops

IAStructE-DTU Chapter, conducted hands-on practice sessions on **STAAD, Pro V8i Software** by **Mr. Devwrat Yadav**. In April 2020, they conducted a webinar on **Long Span Bridges: Past, Present and Future** by **Mr. Alok Bhowmick**. They also conducted a webinar on **'Non-Destructive Evaluation Techniques(NDET) for Quality Assurance and Management of Structures'** in June 2020 with **Mr. Sanjay Singh Gaharwar** as the speaker.

Team Inferno *blazes* ahead

Team Inferno, DTU participated in the **Indian Rover Design Challenge 2020** conducted by *Mars Society South Asia* in May 2020 and bagged the **3rd** position among 30 other teams from 8 countries. The team also secured **3rd** position in the **International Mars Hackathon 2020** amongst several other national teams.

IIChE DTU *raises* awareness

In May 2020, **IIChE** organised a webinar on **Catalyse Your Career Post Lockdown** hosted by **Mr. Abhijeet Singh.** They also conducted **IIChE- DTU's Senior's Talk**, a series of webinars focusing on career guidance from seniors of the PSCT branch. IIChE also undertook the initiative #**MakeYourOwnMask** to raise awareness on the shortage of masks in the early stage of pandemic. In October 2020, IIChE organised a session on **Getting Yourself Published** by **Ms. Neha Agrawal,** *Founder, WiseUp Communications.*

INNOVA DTU *hosts* webinars

In December 2020, **INNOVA- DTU** organised a Guest Lecture by **Mr. Neeraj Jhanji.** In January 2021 **Mr. Sumon K Chakrabarti** was invited as the speaker of the **Entrepreneurship series**. In June 2020, they conducted an online workshop on Machine Learning which was presided by Dr. Ajith Suresh, Ph.D. Computer Science, IISC Bangalore. In November 2020, they also conducted a workshop on Strategy to crack GATE, ESE exams in association with Made Easy, India's best institute for ESE, GATE and PSUs.

SME DTU *organises* online events

SME-DTU conducted **Bizz Quiz** in August 2020. They also organised a volunteer program in September 2020 for students to contribute to teaching underprivileged students in rural areas through broadcasting services. The program was organised by *eVidyaloka*. In September 2020, they collaborated with **SCEE-DTU** and *Jamboree* to conduct a webinar on *GMAT vs GRE*.

IN OTHER NEWS

- In March 2020, **SIAM DTU** organised a three-day workshop on **How to ace Technical Interview** in association with Demux Academy. They also organised a webinar on **Careers in Masters after B.Tech.** in April 2020.

- On World Environment Day, **SCEE** organised a guest lecture by **Prof. Chetan Solanki**, *IIT Bombay*, on *Energy Swaraj*. They also organised other online events- **Civil Services Webinar** by **Akanshu Govil IRTS**, a **Student-Panel Discussion** on Gandhi Jayanti, and an **Enviro Photography Competition**.

- **ELIXIR, DTU** organised a **Health Talk** with **Dr. Bindra** on the power of habit and its influence on our health. Besides, a **Health Meet webinar** was also conducted. The participants had an interactive session with the guest on staying fit mentally and physically while at home.

- **International Organisation of Software Developers (IOSD) DTU** organised a national level online hackathon **HackFinity** during the **IOSD DevWeek** from the last week of September to the first week of October 2020. A week-long **Special Interest Groups (SIGs) DevWeek** was also conducted in January for the freshers.

- The **Human Resource Club, USME** hosted webinars on soft skills, the impact of COVID-19 on industries and companies, and Artificial Intelligence's role in transforming HR.

- In January 2021, **Alfaaz - The literary society of USME, DTU** interviewed **Mr. Avijit Dutt**, *Indian Filmmaker, actor and director*, in its online literary fest.

- National Service Scheme (NSS) of **USME** organised **Anudaan - Donation Drive, Tree Plantation Drive** and various other competitions during the **Vigilance Awareness Week** in October 2020.

- **Shiddat: Music Society of USME** organised an open mic event - **Aaroh**

- In October 2020, **Human Resource Club** of **DTU** organised a webinar of **'Role of Artificial Intelligence in transforming HR'** by **Mr. Tarun Gupta**, *CEO and Founder, Sicuremi* and a webinar **Impact of COVID-19 on industries and companies**.

- In December 2020, **IMechE DTU Chapter** organised **Speak Out For Engineers (SOFE)** wherein participants from all branches presented their research work in front of the jury.

- **Chirag Gupta** of **Vibe** bagged the **1st** position in the *1 vs 1 Popping Category* at the *Hip Hop Infinite Jam* held in February 2021.

- In June 2020, **USME PR Cell** Hosted a Webinar on **How to deal with stress during COVID** with **Mr. Saurabh Mithal**, Founder, Passionately Curious, as the speaker.

- **DTU Toastmasters** organised a Club level evaluation contest, where the winners were **Atul, Pratiksha and Tanmay**, who grabbed **1st, 2nd and 3rd rank**, respectively.

- **TEDxDTU** organised an online webinar series on the topic *Adapt to change, change to adapt*. They also organised the **Late Evening Show with TEDxDTU:** *Insight of your mind*.

- **Vishrut** of **PANACHE, DTU** bagged the **1st runner up** position at **Moda ètnica Antaragani 2020**.

- **EcoTech- ARTHVYUH and ARTHIK KHYAL** organised **ARTHVYUH'21 - an online economics fest** and a **mini online book fair**. They also organised a guest lecture on the role of **Data Science in Economics** by **Dr. Sandhya Krishnan** and a lecture on **Behavioural Economics and Behavioural Insights in Public Policy** by **Dr. Shagata Mukherjee**.

- **Team Defianz** participated in the **FSEV Concept Challenge** organised by *Formula Bharat* in July 2020. The team secured the **1st** position in the *FMEA report* and *Q and A* category and bagged the **7th** position overall.

Faculty News and Achievements

Publications

Prof. S. Indu, Dept. of Electronics and Communication Engineering
- 'Mapping Techniques in Multicore Processors: Current and Future Trends', *Journal of Supercomputing*
- 'Dynamic workload-aware DVFS for Multicore Systems using Machine Learning', *Computing*
- 'Underwater haze removal using contrast boosted grayscale image', *Multimedia Tools and Applications*
- 'Inpainting of Irregular Holes in a Manuscript using UNet and Partial Convolution', *International Conference on Inventive Research in Computing Applications, RVS College of Engineering and Technology, Tamil Nadu*
- 'Dynamic Voltage Frequency Scaling in Multi-core Systems using Adaptive Regression Model', *International Conference on IoT in Social, Mobile, Analytics and Cloud, SCAD Institute of Technology, Tamil Nadu*
- 'Optimal Camera Placement and Orientation of a Multi-camera System for Self Driving Cars', *International Conference on Intelligent Vehicles, Germany*
- 'Wormhole Detection in Wireless Sensor Network Using SVM and Delay Per-Hop Indication', *International Conference on Data Engineering and Communication Technology, Kakatiya Institute of Technology and Science, Telangana*
- 'Loki: A Lightweight LWE Method with Rogue Bits for Quantum Security in IoT Devices', *Information and Communication Technology for Intelligent Systems*
- 'Emerging Low-Cost Air Quality Monitoring Techniques for Smart Cities with UAV', *IEEE Conference on Electronics, Computing and Communication Technologies, IEEE Bangalore*

Prof. Nand Kumar, HoD, Dept. of Humanities
- 'Lead-Lag Relationship Between Spot and Future Prices of Indian Agri Commodity Market', *Advances in Manufacturing and Industrial Engineering*
- 'Factors Affecting Import Demand in India: A Principal Component Analysis Framework', *Advances in Manufacturing and Industrial Engineering*
- 'Time-Varying Dynamics of Globalisation effect in India', *Portuguese Economic Journal*

- 'Three Decades of Narrow Globalization: Evaluating India's Exports Between 1991 and 2017', *Managerial and Decision Economics*
- 'Statistical Analysis of Relation Between Developmental Status of Nations and their Banks' NPA using Hypothesis Testing', *International Journal of Management*
- 'Determinants of Agricultural Productivity in Ethiopia: ARDL Approach', *The Indian Economic Journal*

Prof. Pravir Kumar, HoD, Dept. of Biotechnology
- 'Ubiquitin biology in neurodegenerative disorders: From impairment to therapeutic strategies', *Ageing Research Review*
- 'Protective role of anticancer drugs in neurodegenerative disorders: A drug repurposing approach', *Neurochemistry International*
- 'Identification of novel Class I and Class IIb histone deacetylase inhibitor for Alzheimer's disease therapeutics', *Life Sciences*
- 'An integrated approach to unravel a putative crosstalk network in Alzheimer's disease and Parkinson's disease', *Neuropeptides*
- 'Pharmacological intervention of histone deacetylase enzymes in the neurodegenerative disorders', *Life Sciences*
- 'Histone Deacetylase enzymes in neuropathology', *Advances in Clinical Chemistry*
- 'VEGF/CDK2 is involved in Diabetic organ regeneration', *Biochemical and Biophysical Research Communications*
- 'Discovery of novel compounds targeting DJ-1 as neuroprotectants for Parkinson's disease by virtual screening and in silico method', *Current Computer-Aided Drug Design*
- 'Cancer Fighting SiRNA-RRM2 loaded nanorobots', *Pharmaceutical Nanotechnology*
- 'Design, synthesis and in silico evaluation of methyl 2-(2-(5-bromo/chloro-2-oxobenzooxazol-3(2H)-yl)acetaamido-3-phenylpropanoate for TSPO targeting', *Radiochemistry*
- 'In silico designing of putative peptides for targeting pathological protein Htt in Huntington's disease', *Heliyon*

Prof. Rajni Jindal, HoD, Dept. of Computer Science and Engineering
- 'High capacity Reversible data hiding scheme using prediction tuning model', *International Conference on Computer Communication and Informatics, Tamil Nadu*
- 'AlignPIN: Indirect PIN Selection For Protection Against Repeated Shoulder Surfing', *International Conference on Cloud Computing, Data Science & Engineering, Amity University, Noida*
- 'Food Recognition and Calorie Estimation using Convolutional Neural Networks', *International Conference on Recent Trends in Information, Telecommunication and Computing, Bengaluru*
- 'COVID-19 Tweet Analysis using Hybrid Keyword Extraction Approach', *International Conference on Communication Systems and Network Technologies, Bhopal*
- 'A Study of Machine Learning Techniques for Fake News Detection and Suggestion of an Ensemble Model', *International Conference on Innovative Computing and Communication, Shaheed Sukhdev College of Business Studies*
- 'Improving Traditional Stock Market Prediction Algorithms using COVID-19 Analysis', *IEEE Conference on Emerging Smart Computing & Informatics, Pune*
- 'A Study on Natural Language Processing Techniques on NLP embedded Technologies', *World Conference on Applied Science, Engineering and Technology, Goa*
- 'Efficacious Governance during pandemics like Covid-19 using Intelligent Decision Support Framework for User Generated Content', *Doctoral Symposium on Computational Intelligence, Lucknow*

Prof. Anjana Gupta, Dept. of Applied Mathematics
- 'Random area-perimeter method for generation of unimodal multimodal cancelable biometric templates', *Applied Intelligence*
- 'Comparative energy, exergy and economic analysis of a cascade refrigeration system incorporated with flash tank (HTC) and a flash intercooler with indirect subcooler (LTC) using natural refrigerant couples', *Sustainable Energy Technologies and Assessments*

- 'Best criteria selection based on PROMETHEE II method', *OPSEARCH*
- 'Group operations and isomorphic relation with 2-tuple linguistic variables', *Soft computing*
- 'A systematic review of developments in the 2-tuple linguistic model and its applications in decision analysis', *Soft computing*
- 'A new 2-tuple linguistic approach for unbalanced linguistic term sets', *IEEE Transactions on Fuzzy Systems*

Prof. Bharat Bhushan, Dept. of Electrical Engineering
- 'Application of Stochastic Approximation for Self-tuning of PID in Unmanned Surface Vehicles', *International Conference on Innovative Computing and Communications, Shaheed Sukhdev College of Business Studies*
- 'Fault Classification Using Support Vectors for Unmanned Helicopters', *Computational Methods and Data Engineering*
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Prof. D.R. Bhaskar, Dept. of Electrical Engineering
- 'Two Quadrant Analog Voltage Divider and Square Root Circuits Using OTA and MOSFETs', *Circuits Systems and Signal Processing*
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- 'Jaya Optimized Generation Control Strategies for Interconnected Diverse Power Systems with Varying Participation', *Energy Source, Part A: Recovery, Utilization, and Environmental Effects*
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- 'CoVNet-19: A Deep Learning Model for the Detection and Analysis of COVID-19 Patients', *Applied Soft Computing*
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Dr. Shilpa Pal, Assoc. Prof., Dept. of Civil Engineering
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Dr. Yasha Hasija, Assoc. Prof., Dept. of Biotechnology
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- Co-Author, 'Chapter 1. Translational biotechnology: A transition from basic biology to evidence-based research', *Translational Biotechnology: A Journey from Laboratory to Clinics*
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Dr. Deshraj Meena, Asst. Prof., Dept. of Applied Physics
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Dr. Kusum Lata, Asst. Prof., USME
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Dr. M. Jayasimhadri, Asst. Prof., Dept. of Applied Physics
- 'Multicolor emission and energy transfer dynamics in thermally stable Dy3+/Eu3+ Co-doped ZPBT glasses for epoxy free w-LEDs application', *Journal of Non-Crystalline Solids*
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Dr. Manish Jain, Asst. Prof., Dept. of Applied Chemistry
- 'Modeling and simulation of non-isothermal packed-bed membrane reactor for decomposition of hydrogen iodide', *Environmental Technology & Innovation*
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Dr. Navneeta Bharadvaja, Asst. Prof., Dept. of Biotechnology
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Dr. Rajeev Kumar, Asst. Prof., Dept. of Environmental Engineering
- 'Dynamic Noise Mapping of Road Traffic in an Urban City', *Arabian Journal of Geosciences*
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Dr. Rajesh Kumar, Asst. Prof., Dept. of Electrical Engineering
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Dr. Ritu Raj, Asst. Prof., Dept. of Civil Engineering
- 'Interference Effects Between Twin Tall Buildings under Wind Excitation', *International Conference on Recent Development in Sustainable Infrastructures, Kalinga Institute of Industrial Technology, Odisha*
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Mr. Sanjay Patidar, Asst. Prof., Dept. of Computer Science and Engineering
- 'IoT Stream Data handling using LDPC Coding', *International Conference on Frontiers of Intelligent Computing: Theory and Applications*

Dr. Smita Rastogi Verma, Asst. Prof., Dept. of Biotechnology
- 'Molecular Detection and Exploration of Diversity Among Fungal Consortium Involved in Phosphate Solubilization', *Geomicrobiology*
- 'Roles of Microbes and their Extracellular Enzymes', *Microbial Bioremediation and Biodegradation*

Ms. Sonika Dahiya, Asst. Prof., Dept. of Computer Science and Engineering
- 'A New Robust Fuzzy Clustering Approach: DBKIFCM', *Neural Processing Letters*
- 'S2NOW: Secure Social Network Ontology Using WhatsApp', *Security and Communication Networks*

CAMPUS
through a lens

Krish Modi, 3rd Year, EE
Anant Vohra, 1st Year, ME
Arein Gupta, 1st Year, EP
Sarthak Sharma, 1st Year, B.Des

Campus
through a Lens

SPORTS COUNCIL INTERVIEW

DTU Times interviewed the newly-elected members of the Sports Council - Vivek Jangra (General Coordinator), Sushant Dev and Yashasvi Singh (Sports Secretaries), Dhananjay Singh (Treasurer), Rishabh Pandey (Joint Treasurer), Vivek Kumar and Muskaan Singla (Joint Sports Secretaries), Sarvagya Kumar and Anushree Mahur (Gym Coordinators), Ayush Garg and Mrigank Singh (Sports Advisors).

Since many sports are played in teams and involve contact between the players, how do you plan to ensure that these sports retain their essence without compromising on the safety precautions to be followed due to the pandemic?

We have already implemented a plan to ensure the same. We don't permit students to play in the event if they are sick or have had close contact with somebody with COVID-19 symptoms. We also ask all the students and employees to bring their own sports equipment. All participants are required to have a negative COVID test report close to the date of the game.

All the players are asked to wash their hands well and often, especially before and after touching shared equipment. Coaches, referees, umpires, and spectators are asked to wear masks consistently. The Sports Complex is cleaned and disinfected at regular intervals, and things that get touched a lot, like benches, are sanitized often. We additionally restricted the group size and limited games in which physical contact is in extensive amounts.

Photo by DTU

Students usually tend to opt for sports as their FEC due to the perception that it is easy to score well in, and not because they are interested. How do you intend to improve upon this situation?

To quash the aforementioned notion, we will make an honest effort to make FEC sports as fascinating as possible, and will attempt to make the Sports Complex a place where each student can get a chance to learn things that no class can teach.

We will make participation obligatory in FEC Sports, and will attempt to make an evaluating framework that will give greater support to students who have shown improvement in their fitness level. We will be coordinating events like crosscountry race, yoga workshops, and numerous other intriguing occasions that will make Sports a fascinating FEC.

Are there any new sporting initiatives that have been planned for this year? In what way will they be different from the events that have been conducted previously?

We organized two major sports events within a month and presented DTU's first Annual Sports Meet for Faculty and Staff members, Paraakram 2021. As a team brimming with persevering, devoted, and constructive individuals, we plan to organize one of the greatest sports fests in North India when circumstances return to normal. The Sports Council will also be facilitating a tournament that encourages students from all over the country to participate. Special consideration will be given to women's sports.

CULTURAL COUNCIL INTERVIEW

DTU Times interviewed the newly-appointed members of the Cultural Council - Samarth Garg (Cultural Secretary), Divij Malik, Rashi Srivastava, Shwetang Bahadur (Joint Cultural Secretaries), Purshottam Kandhari (Treasurer), and Gautam Singh (Joint Treasurer).

What are the extra factors you will consider before organising an event since the events will be quite different this time?

This past year has been uphill and challenging for most of us and as the Cultural Council, we would like to bring the much-needed spark and rejuvenation that feels lost for ages by organising most of the events in an online seamless manner. However, if we get permission from the higher authorities, we would love to host an offline event and break the jinx of this dry spell of fest season. Nonetheless, if we get an opportunity, we would maintain social norms like social distancing, sanitization facilities throughout the campus area, and have stricter scrutiny to promote hygiene standards. Mandating contactless payment services at food stalls, seamless registration, and map guide via our extended digital platforms (app & website).

With all the work shifting online, how will you, as a team, adapt to this very different work environment? What are the major difficulties you think you are going to face during this?

In any situation, experience and teamwork are the two things that are instrumental for success. In the past year since the university was closed, we've attempted to foster these two attributes with various online events such as Engifest 2.0 — Quarantine Edition, Farewell '20, Orientation '20, and Freshers' Fiesta '21. Building on the learnings and success of these events, we hope to once again successfully pull off all the planned events during these trying times.

The biggest challenges to address in this situation are to ensure that there is effective communication and coordination in the team and that the lack of the offline festive vibe does not hamper the enthusiasm. Also, while we may have pulled off a few online events in the past year, there are some cases where we are in uncharted waters and would have to learn to tackle these situations on the job.

How do you plan to foster engagement between the various cultural societies in the university and the new students joining us in this session?

We foresaw that this might be a hurdle somewhere back in October, and so we did our best to not let this situation arise in the first place. First off, we organised an orientation, introducing all the cultural societies to the newbies. Second, we created an official Discord server of the DTU Cultural Council and took the responsibility to increase the engagement and cater to the curiosity and doubts of the freshmen. The channel is predominantly used for the virtual Nescafe, OAT, Micmac meetups, and gaming nights by the new batch. Third, an official Instagram account was created to publicise information about various cultural societies and major happenings inside the university.

Calling Out the Talented

Ananya Singh, 2nd Year, CHE
Ritvik Nair, 2nd Year, COE

His voice reverberated throughout the OAT. My body floated through the sea of his voice. My eardrums danced to it, but my body stayed still. It had calmed down my foot, which would not stop tapping the ground even when a professor would tell me to. Its power immense, its touch gentle. Melting with its owner, forming a perfect harmony between man and sound.

From within the audience, I could see his figure, standing in his own world, with his eyes closed, head swaying at the end of each verse. His muscular arms holding the microphone to his mouth. At that moment, he might as well have been 'The Peak of Humanity' that he so wanted to be.

I had mocked and chastised him for singing. After all, when you are trying to focus on an assignment due the next day and one of your roommates suddenly starts singing, even if his voice is beautiful, especially if his voice is truly beautiful, you can't exactly help but get frustrated.

Though frustrated might not be the right word for it. Maybe, I was 'amazed' at how absolutely calm he was with a pending deadline looming over our heads while no work was done. How could he sing like nothing else mattered when the world felt like it was collapsing into me?

You see, talent and hobbies were a funny concept before college started. Before college, they were an unwelcome waste of the time we could've spent studying instead. Guilty pleasures- pleasure because of obvious reasons, guilty because I could've learnt the properties of aldehydes and why they're not ketones in this "free time".

Even now when I sit with myself trying to read a book that's been on the shelf too long or sit down to write something that isn't an assignment, it's hard to tell myself, "Hey, it's okay. You're not wasting time".

That I wouldn't be 2347 ranks behind if I spent an hour dancing to a choreography or baking a batch of cookies.

So on the first day of college when I saw 300 PR desks around Mech C and a group shouting slogans and banging on random instruments on their way to the mini OAT, it took a minute for the feeling to sink in, the feeling that I can be more than just another rank.

That's the thing about college, you find your tribe doing things farthest from studying. It's okay to not be 9 pointers (it's good if you are one!) because you can be more than a mark sheet. It's a place where we can take an entire week out to just cherish being freshers' with things to say, songs to sing, choreographies to dance to and nooks and corners of the college to explore one day at a time for the rest of our time here.

And then these unforgettable moments. The day your annoying roommate performs during Freshers' Week. His voice echoing through the OAT, making you sink deep within the waves of his voice. At that moment, you understand what it feels like to come face to face with talent.

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Artika Sharma, 4th year, ENE

I walk through the college gates, into the hustle and bustle of the campus. In the crowds of nameless, grey faces, I walk as the lone figure of colour, separated from the rest of the world by invisible boundaries- somewhat alienated, wherever I go.

I take the long route to class and hesitate before entering. Inside, I see the usual delight. Groups of friends greeting each other, copying assignments and singing along to old classics. But, in my head, they're all still grey. I have a funny joke that's hoping to be said, but instead, I keep it to myself and chuckle as I take a seat away from the commotion.

"I do not belong," I think as I look outside the window at a brown bird perched on a tall green tree. She's magnificent, yet a little aloof. She chirps audibly but only to herself. Maybe she does not belong either, and perhaps she doesn't want to. The question is, do I?

In that moment comes a hint of sanity to this narrative I've been living in. In the question lies my answer. I have a choice. I tap the person next to me in and ask them their name. I share my joke with them, and in slow motion, colour brims into my proximity.

I turn.
The grey around me doesn't seem so distancing anymore.
I realise belongingness does not imply fitting in.
I can always fit inside somewhere else and choose to belong in my tall green tree.

मध्यम वर्गीय आकांक्षियों का संघर्ष

अंकित कुमार, तृतीय वर्ष, आई•टी

ये कहानी कक्षा 10वीं के बाद शुरू होती है; ये उन मध्यम वर्ग के सबसे निचले पायदान पर मौजूद सरकारी नौकरी की आस लगाए बैठे लाखों आकांक्षियों की कहानी है जो एम•बी•ए•, इंजीनियरिंग, मेडिकल एवं अन्य प्रतिष्ठित और पारंपरिक परीक्षाओं की तैयारी करने में असमर्थ हैं।

उन्हें उनके घरवालों से सिर्फ महीने का मकान का किराया, घर के खेत में उपजी धान का चावल एवं गेहूँ का आटा, गैस भराने के एवं लुसेंट किताब खरीदने के रुपए ही मिल सकता है। उनके सामने इन सीमित संसाधनों से महीने निकालने और साथ ही साथ पढ़ाई करने की चुनौती भी बनी रहती है। इस दौरान खाना बनाने में कितना कम समय खर्च हो इसका भी ध्यान रखना ज़रूरी होता है। दाल-चावल एवं आलू का चोखा एक ही समय में एक ही साथ कैसे बनता है ये सब इनको पहले से ही पता होता है। चाहे खाना जल गया हो या सब्ज़ी में नमक कम हो या चावल आधा पका हो, खाते समय ये लोग इन सभी चीजों का स्वागत ऐसे करते है मानो किसानों की मेहनत की कद्र करने का ठेका इन्हें ही मिल गया हो।

इन पर एक तो सिलेबस का इतना दबाव रहता है क्योंकि मेडिकल वालों को जीव-वज्ञिान, रसायन एवं भौतिकी पढ़ना है, इंजीनियरिंग वालों को गणित, रसायन एवं भौतिकी ही पढ़ना है, एम•बी•ए• वालों को बिज़नेस पढ़ना है मगर इन्हें सब कुछ पढ़ना है। दुनिया जहाँ फास्ट फूड की चरबी को जिम के ट्रेडमिल पर घटाने में व्यस्त है, वहीं इन्हें सपोर्ट एवं मैराथन शरीखे शारीरिक अभ्यास हेतु सड़क, खेत इत्यादि को माध्यम बनाना पड़ता है।

जिस समय और सबको बाइक, आईफोन, बॉयफ्रेंड/गर्लफ्रेंड के साथ घूमना, खेलना और ज़िंदगी में मस्ती इत्यादि के आने का इंतजार रहता है। उस समय इन्हें प्रतियोगिता दर्पण, हिंदुस्तान समाचार, प्रवेश परीक्षाएँ, रीज़ल्ट आदि का इंतजार रहता है।

जहाँ बहुत सारे लोगों में देशभक्ति की भावना सिर्फ 15 अगस्त एवं 26 जनवरी के दिन ही उमड़ती है वहीं रोज़ाना आज़ादी के योद्धाओं के योगदान पढ़ना इनके दिनचर्या में रहता है। जहाँ आज भी हमारे समाज में जात-पात, धर्म, सांप्रदायिकता का ज़हर फैला हुआ है वहीं इनके कमरे में एक ही थाली में विभिन्न जाति एवं धर्मों का हाथ, निवाले को उठाने के लिए एक साथ मिलता है। इससे बढ़िया सामाजिकता का उदाहरण कहीं और मिल ही नहीं सकता। माँ-बाप के दर्द को अपने सपनों में कैसे सहेजना है; अगर यह बात किसी को सीखनी है तो इनसे सीखे। कुल मिलाकर इनका एक ही लक्ष्य है परीक्षा को पास कर माँ-बाप को वो सबकुछ देना जिसके लिए वो एक दिन तरसे थे।

आप जैसे परिस्थिति के साथ अड़ने और लड़ने वाले योद्धा को शत-शत नमन और सलाम।

University - A Litmus Test

- Anushka Sharma, 4th Year, MAM

You'll walk down the road
With so much hope for tomorrow
A tomorrow that promises opportunities galore
And a future with no place for self-doubt or sorrow

You mustn't let yourself repine
Over a forgotten friend or a low grade point
Retrospect instead and see this as a sign
To start afresh with a plan that doesn't disappoint

You'll go on exploratory jaunts
Every once in a while
To take your mind off of all the insecure taunts
Which in perspective will be nothing but puerile

You mustn't let yourself be derailed
By the pitiful remarks of those handful few
Who dread anyone else's success, having themselves failed
And who hide behind derogatory memes to stray further away from the truth

College teams and societies will foment you
You'll cater to them with utmost fervor and sedulity
You'll experience situations and people that'll woo you
But you'll also become proficient in responding to brutal irrationality
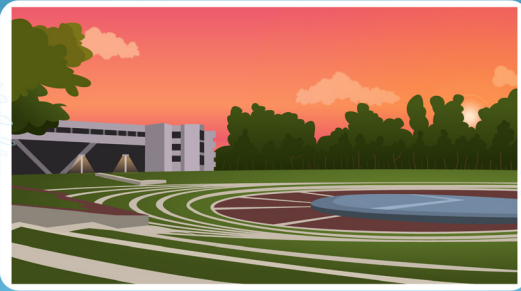
Be sure to hold your ground firm
Have strong opinions but be open to constructive criticism
Through this journey you'll develop an unwavering aplomb
To deal with this world's unending series of conflicts and schisms

Lastly, don't lose yourself in the crowd
Don't let yourself be taken over by the trend
You're meant to voice yourself clear and loud
Don't work to please anyone, don't make that your intent

Empty Bawanaland

- N. Krithika, 2nd Year, ENE

It was early morning. The halo of the horizon had just arrived with golden grace, as the fleecy clouds rambling in the bright blue sky began to encompass the gigantic DTU Campus. There was a strange discomfort in the tranquillity that accompanied the unanticipated lockdown.

The OAT anticipated the arrival of myriad faces, some happy, some sad and some anxious - the typical hallmark of a Monday morning after the mid-sem break. It started to reminisce about the month of February when all of DTU was immersed in preparations for Engifest. She missed being the centre of attraction, and the overwhelming attention she got when a jovial crowd used to gather and sit around her, watching the vivacious performances on her very own stage.

The TnP Cell glanced at the empty corridor which once used to be a battlefield, laden with an army of blue soldiers, preparing themselves to engage in the tussle of placements. TnP, being the avid spectator of countless emotions, missed the time of struggle, anxiety and also the gratified faces, brimming with exuberance after a strenuous interview.

The MechC, unable to become the welcoming host he is, was missing serving *samosas* and *paneer dosas* while listening to the constant rants about assignments, internships, and the usual never-ending BTs of college life. The harrowing silence replaced the daily shenanigans of *Pratibimb* and rehearsals of *Madhurima*, which together used to form a clamorous concoction.

Nescafe took another sip of the tepid coffee and gazed at the rising sun. The nuanced tastes of sugar and coffee tenderly washed over him as he sipped his warm cup of nostalgia, wondering if things would ever be the same.

And somewhere inside this new, empty Bawanaland, the lines *"Ticking away the moments that make up a dull day. Fritter and waste the hours in an offhand way"* started to make sense.

The First Day

- Ananya Kapoor, 2nd year, EE
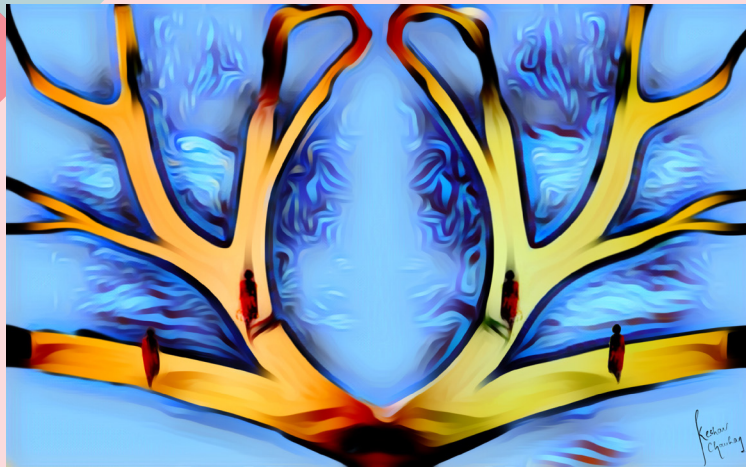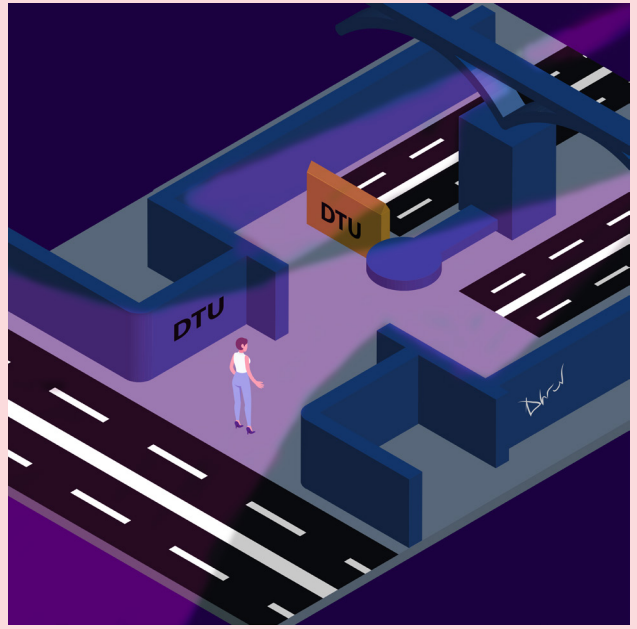

Well, it's finally here.

Yes, today is indeed the day you enter the hallowed portals of DTU after being banished to the dark realm of online lectures for the better part of a year. As a starry-eyed first year with big expectations and even bigger plans, this occasion is indeed momentous.
But let's not get ahead of ourselves!
There are hurdles to be crossed and sacrifices to be made before you savour the college experience you so desperately crave.

Your travails start in the morning. You wake up at the unearthly hour of 6 AM, so you may reach your class before the 8 AM lecture taken by one of your fire-breathing professors, a feat you are only able to achieve after an hour of going around in circles.

After attending two lectures during which the professor eyes you like a hawk, you eagerly make your way to the Mech C, where your feeble attempts to satisfy your hunger are thwarted by the dense swarm of people milling at the counters. As if this wasn't enough, your friends now inform you that your grandiose plans for a mass bunk have fallen through.

Later in the day, as you sit on the OAT steps, mood decidedly stormy, your eye is caught by the clock tower silhouetted against the backdrop of the setting sun. This intricate dance of light and shadows underneath the crimson sky is as captivating as magical, and you can't look away. As you laugh at your friends' jokes and sip from the steaming hot cup of tea in your hand, you feel a strange sense of contentment. At that moment, you know- no matter what happens, times like these will make it all worthwhile. You smile as you realise that DTU may have captured your heart, after all.

नियति के चौराहे

- कपिल शर्मा, द्वितीय वर्ष, सी•ओ•ई•

हमारे समाज में सभी मुख्य परीक्षाओं का चित्रण कुछ इस प्रकार किया जाता है जैसे वे नियति के चौराहे हैं, जिस पर व्यक्ति का उत्थान और पतन निर्भर करता है। जहाँ उसका जीवन या तो बन जाएगा या बिगड़ जाएगा। असल में तो ये परीक्षाएँ जीवन की इस विराट भूल–भुलैया में एक मोड़ होती हैं, जिन पर से कोई रास्ता पा लेता है, कोई नहीं पा पाता। एक मोड़ पर ही रास्ता पा लेना या न पाना जीवन जैसी जटिल गुत्थी को सुलझाने में एक कदम हो सकता है, सम्पूर्ण मार्ग नहीं, एक अवधि का अंत हो सकता है, जीवन का तो कदापि नहीं।

"अभी मेहनत कर लो तो जिंदगी सँवर जाएगी, यह वक्त फिर दोबारा नहीं आने का।"

ठीक ही बात है कि बीता हुआ समय दोबारा नहीं आता, वक्त की धार कभी मद्धम, कभी तेज़ निरंतर एक ही दिशा में बहा करती है। परंतु बात यह भी ठीक है कि उसी समय का एक पहलू, एक अंश, जिसे हम समय-अवधि कहते हैं आदमी के इर्द-गिर्द गोल घूमता है। दिन, महीने, मौसम सब अपने क्रम के हिसाब से जाते हैं, जाते हैं और फिर दोबारा आते हैं।

अंश की कोई स्वाभाविक परिभाषा तो होती नहीं है, उसकी अवधि और आदि दोनों का चयन ही व्यक्तिपरक (सब्जेक्टिव) होता है। प्रथम वर्ष वालों के लिए डी•टी•यू• तक आना (शुभकामनाएँ) और बाकी वर्ष वालों के लिए नए सेमेस्टर का आना एक अवधि का अंत है और एक की शुरुआत, जिसका निर्णय विश्वविद्यालय के ऊपर था। पर कोई भी समय, यह पल भी, आपके जीवन के एक नए कालांश की शुरुआत हो सकता है, और इस बात का निर्णय आपके हाथ में है।

"Faara DTU, IIT se kam hain ke?"

Angad Sethi, 3rd Year, COE
Mandeep Singh, 3rd Year, COE

A deeply (un)biased comparison of IIT-D, the quixotic protagonist of your daydreams, and DTU, the wistful, free-spirited character, brimming with visceral potential and romantic dreams, that beckons you to break free from the restraints of society, and forge your own path to greatness.

The one where IIT-D won the award for the blandest newsletter ever

For an institute that has been memorialised as the epitome of academic excellence, was deemed an institute of eminence, *and* recently celebrated their diamond jubilee, IIT Delhi just can't stop winning. In an effort to supplement their red hot streak, even we wish to award them; for publishing the drabbest and lacklustre newsletter ever. No, seriously, if a professor of DTU secured a funding of 1.26 crore rupees, would we mention it in a 10-pixel wide table row? No! But that's exactly what they did. Unlike their run-of-the-mill newsletter, DTU has a team of a hundred people, churning out prolific masterpieces, augmented with holistic coverage, alluring designs, and expressive prose, four times a year.

The one where DTUites followed their hearts

DTU boasts a plethora of societies under its belt, and by plethora, we mean more than sixty! Whether it be cultural societies or dedicated groups, Bawanaland has it all. Heck, if you search hard enough, who knows if you might as well find the DTU chapter of the Illuminati! We would encourage folks at IIT-D to come out of their SAC-titled cocoon and witness the multi-faceted expedition that is college life. At DTU, you will get to try the zesty flavours of extra-curriculars, from a generous side of the scrumptious society life.

The one where students of IIT-D made deals with the devil

We truly pity the students of IIT-D. After having worked their fingers to the bone for two whole years, isolating themselves from all things jolly, having stress as their eternal companion and growing allergic to just fun in general, they enter an atmosphere that is even more cutthroat, harrowing and uninteresting than the one they escaped by the skin of their teeth. Trust us when we say this: you want no part of this four-year-long damnation. At DTU, you are free of these societal shackles, free to be whoever you want, do whatever you want, as long as you begin tapping your foot the moment *Jatta ka Chora* - DTU's desi 'pledge of allegiance' - comes on. There is no anxiety and discontent in the air, just a lingering fragrance of freedom and dreams. We can only imagine students of IIT-D, looking up DTU on Google, and saying, *"Hamaari sikkon ki chan-chan se inki hawa ki keemat kam nahi hoti"*

The one where DTUites fell in love with the *Bhasad*

If there's one thing that's omnipresent at DTU, it's the bustling flock of people, infamously called *Bhasad*. It is what defines the heart and soul of Bawanaland. It is like-minded yet vastly diverse, making the four years of engineering at DTU a fitting experience for all. To that end, we feel terribly sorry for the placid campus of IIT-D, which gets desolated all thanks to its meagre crowd. After all, a deserted campus is no ~~university~~ college campus at all! Love it or hate it, *Bhasad* fuels the cadence of college life.

The one where IIT-D *Rendezvous-ed* at Engifest

When it comes to cultural festivals, DTU prides itself in organising one of the largest cultural college festivals in the country, while making it liberal (read: restriction-free). Students or monkeys, everybody is welcomed with open arms by DTU. While the IIT-D populace would know better when it comes to the headache that is the 'pass-system', DTUites know that true happiness lies in embracing everyone. It is only with benevolence can a fest be organised wholeheartedly. Only in DTU, you can find sensational Punjabi singers, famed International DJs and the nightingales of Bollywood perform under one banner (and sometimes, abscond), over the course of three evenings.

The one where DTUites got drunk on *Dilli*

We, most definitely, are more *Dilli* than IIT-D, because it's not the location or the university rankings that guarantee a serving of authentic Delhi; it's the people. DTU houses the most diverse, unique, and interesting cross-section of the society of Delhi. That's what the Delhi quota gives you, a swig of the spirit of Delhi. Throughout your time here at DTU, you will get a chance to witness Delhi in its most raw, most vulnerable, and most definitive moments. In the end, you would've assimilated the essence of *Dilli*, because here at DTU, you do not seek out *Dilli*, it seeks you.

Delhi – A Journey of Adulting

Pratiksha Pradhan, 3rd year, ECE

Stepping into college you wish to be at the confluence of everything. What better way to get there than to move to a big city like Delhi, to pursue your education? Big cities are said to be the one-stop-shop to have it all. But before you get your "big break," there's a wee more to deal with.

If you are a fellow displaced student who has spent her life comfortably in a quiet-and-not-so-big city, adapting to a metropolitan jungle like Delhi can be taxing. Going from a city of 1 million to 20 million? That's 20 times more people, cuss words, and chances of getting groped. Going from a city with mellow vibes to one full of life and a tinge of insanity (a big fat Indian wedding at three in the morning, melees breaking out on every street) is stressful. Some are born with the instincts to live this life; the smarts don't come as easily to others. As an ingenuous person with a partially-formed limbic system, how do you transform into an urban warrior?

The notoriety is intimidating, the promises enticing. The swarming population means fighting tooth and nail for what you want- the rickshaw, a seat in the metro, a decent job. You will get screamed at by strangers, you will get cheated, and you will lose good opportunities to others. Instead of being sullen, you learn to deal with it by laughing it off and moving on. You see, Delhi isn't a peachy place. You will get lost finding your way through this maze. But whether you enter armed to the teeth or absolutely unprepared, you will come out on the other side a different person. Either way, you have nothing to lose; rather, you get a chance to explore and grow. So, here goes nothing.

Ab Ovo

Anika Passi, 1st year, ENE

Haunted by the shadows of the past,
Her head was spinning.
Running away fast,
Wanted a new beginning.

Wiping the slate clean,
Erasing every sign of her past,
Trying hard to forget the hurricanes,
That toppled over her life's mast.

Wanted to start afresh,
Desired to start anew.
But is it really possible to forget?
Every disaster, she ever knew.

Dreamt of the sun shining a little brighter,
While it still hurt underneath her scars.
Hope prevailed, her heart felt lighter,
You can't walk out unscathed from wars.

Let go of the 'what-could-have-beens',
Ready for resumption.
Scooped up the fallen smithereens,
Put them back in conjunction.

Learnt to embrace the murkiness,
Preceding the days of glory.
Bore it close to her heart,
'Cause the struggle is a part of the story.

FRESHER
~~ASPIRANT~~

Aryaman Singh, 1st Year, EP
Riya Singh, 1st Year, MCE

2020 was a year full of bittersweet memories, especially for all the freshers. College has been a roller coaster ride for all of us (who cared enough to attend classes). Time went by so slowly during JEE days, unlike the first month of college which went by in a jiffy. Even the theory of relativity could not help us understand this phenomenon. Nevertheless, here's an attempt to divide the two most important eras of your life with a thin line (quite literally)!

Time	6th Jan'20	6th Jan'21
8am	You energetically wake up to "Let's Crack It!" with the motivation to study for twelve hours because anything less than that is not enough!	You still wake up to "Let's Crack It!" because you were too lazy to change it. You grab your laptop and grumpily attend the first class.
11am	You're tired already, but you remember your marks in the last Mock Test...	You're carefully analysing whether to shower or not, keeping in mind you took one only last (to last) week.
1pm	You set an alarm for twenty minutes and take a ~~quick~~ nap before coaching class.	You make arrangements to attend the next class, that is, get your ~~books~~ blanket and ~~stationary~~ snacks.
2pm	...do you hear something? That's the alarm, you're late so you just wear the same neon green sweatshirt hoping nobody notices it.	You attend lab class to practice a practical skill...*virtually.*
4pm	You enthusiastically greet the teacher because he's *finally* starting that "most important topic".	Give a sigh of relief while saying "present" during attendance for the last class.
10pm	You aim to be a Hermione Granger, with the quickest answers because *nobody remembers those who came second.*	Use one pair of ears and two devices to attend three society meetings.
6pm	You check for any pending homework. Oh wait, you've already completed Electrostatics from HC Verma, DC Pandey, Irodov and... Didn't anyone else write a book on Physics?	Open Google Classroom to find four assignments due at midnight.
12am	You're off to bed already with your inorganic notes because *discipline is the key to success* (and also a reasonable excuse to sleep when you don't want to study anymore).	You turn in the assignments at 11:59 PM and decide to celebrate your punctuality with *just one* episode of Sacred Games, but you are also determined to fix your routine and wake up before sunrise.
1am	You're still up, making up imaginary scenarios about being in your dream college.	You're really sleepy but Gaitonde is in trouble and you need to find out how he deals with it.
3am	One sheep...two sheep...three sheep... okay that's enough wool for the world.	You're now watching YouTube videos on the importance of sleeping early.

The Team

Faculty Advisors

Mr. Anoop Lather
Public Relations Officer

Prof. S. Indu
Dean, Student Welfare

Prof. Rajeshwari Pandey
Associate Dean (UG)

Student Council

Parangat Mittal
Editor-in-Chief

Pratik Anand
Student Head

Priyansh Gupta
Student Head

Sidharth Bhasin
Head of Design

Nandana Tiwari
Head of Development

Ankit Dutta
Head of Photography

Anushka Sharma
Managing Editor

Srishti Mittal
Managing Editor

Kushagra Agrawal
Student Advisor

Tripti Khulbe
Student Advisor

Artika Sharma
Student Coordinator

Alumni Advisors

Pratyush Thakur

Rajyavardhan Singh

Shivam Jha

Associate Designer
Aavriti Arora

Associate Photographer
Krish Modi

Photographers
Anant Vohra, Arein Gupta, Bhumika Bhatia, Divyanshu Parle, Kushagra Kumar, Malay Raj, Manvir Singh, Nischit Nagesh Poojari, Pavan Kumar, Priyansh Verma, Priyanshi Anand, Sarthak Sharma, Shanal Bhele, Tuhina Chakma, Yashashvi Singh Bisht

Associate Editors
Angad Sethi, Anoushka Raj, Karan Singh Bora, Lokesh Narayan Shankar

Assistant Editors
Akanksha Tanwar, Ishaan Gupta, Mandeep Singh, Mihir Ranjan, N. Krithika, Pratiksha Pradhan

Designers
Akshita Mishra, Angad Bhalla, Hemang Sinha, Kanishk Yadav, Kuldeep Singh, Pranoy Kanungo, Raghav Byala, Saatvik Agrawal, Samarth Yadav, Shikhar Rana, Vaibhav Srivastava

Columnists
Ananya Rath, Ananya Singh, Ananya Kapoor, Anika Passi, Ankit Kumar, Aryaman Singh, Kapil Sharma, Prakhar Chaudhary, Pranjal Srivastava, Rishika Sinha, Ritvik Nair, Riya Singh, Saurabh Tiwari, Shaurya Shekhar, Tushar Mehra, Uday Sai

Associate Illustrators
Akshansh Aggarwal, Anirudh Kundu, Gopika Gopakumar

Associate Developers
Aryan Ganotra, Gaurav Khatri, Sambhav Jain, Shivam Bansal, Shivam Singhal, Shreyansh Gupta

Illustrators
Dhruv Vyas, Harshana Pillai, Ikshvaku Shyam, Keshav Chauhan, Kuldeep Singh, Naman Chadha, Preeti Das, Rishi Dubey, Tejasv Mohan, Vishrut Sharma

Developers
Abhinandan Sharma, Anurag Gupta, Ishaan Kaul, Naman Gogia, Neha Goyal, Vaibhav Agarwal