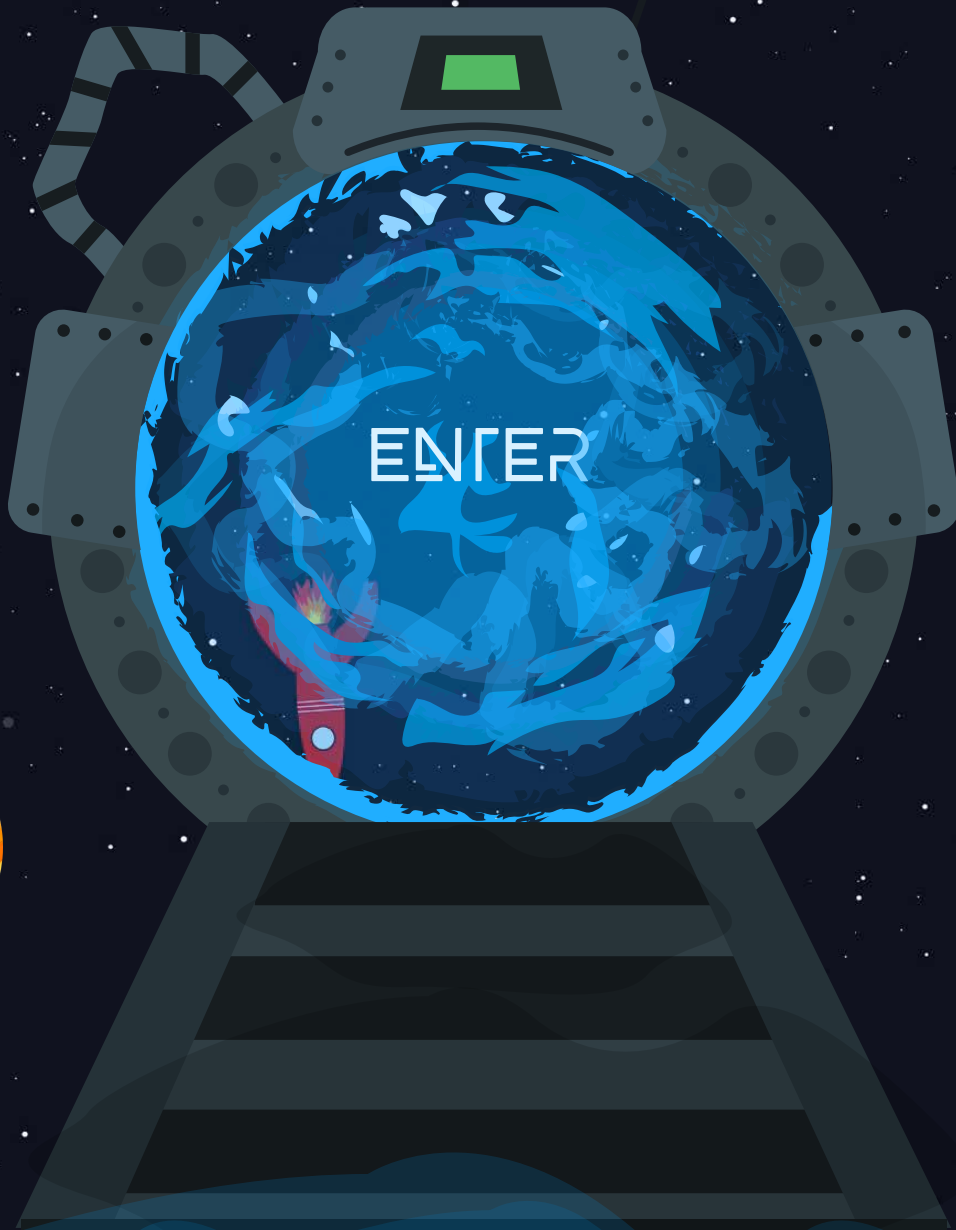




DTU TIMES



RISE ABOVE REALITY

EDITION 45

A PUBLICATION OF DELHI TECHNOLOGICAL UNIVERSITY

NOV 2018-FEB 2019



Founders' Notes

"Optimism is the faith that leads to achievement."

It feels extremely nostalgic to find oneself associated with the success story of a venture that was started as an exciting project by three friends primarily to gain popularity and explore the art of work outside academics.

It gives me immense joy and a sense of pride to trace back the success story of DTU Times. It becomes extremely important to recognise the 'potential' of the work and keep it going.

I still remember our initial struggle and ties with volunteers to write for it, to come across of interesting stories and building narratives around issues and agendas a decade ago to now it being a structured and professional space for writers and avid readers. I strongly believe we have come a long way.

Thank you team- you have kept it strong all this while, regardless of hiccups of all kinds.

As one of the founders, I would also like to congratulate everyone, from those who were associated with us in the initial years to those who are actively part of it today, the success and glory equally belongs to you. My special thanks and warm regards to the other founders Abhishek Kanojia & Anand Meena.

**-Abhishek Bindal, Class of 2011
Founder, DTU Times**

Hello there! Heartiest congratulations to the DTU Times team on achieving this milestone. It is with a hint of nostalgia and dollops of pleasure that I write the editor's note for this extra-special edition.

We started the University newsletter as a platform for hidden writers, poets and journalists to express themselves, and for students to have a common point to enhance communication within and without. It very soon became a melting pot of ideas.

To see DTU Times celebrating 10 years today is a delightful moment not only for me, but also all the others who have been associated with it at any point of time.

I still remember the meetings we had as a team, discussing, debating what to publish in next edition. We enjoyed every last bit of every step - reaching out to people, writing, editing, designing, compiling, distribution. Even standing in the college canteen holding heavy bundles to distribute was fun.

It is perhaps more than a coincidence, that as DTU Times completes a decade, my company aglasem.com, seeds of which were sown during my college years, has touched team strength of 100.

Best wishes to the DTU Times team and its contributors. Keep up the good work. You are making a difference!

Also my warm wishes to all the readers and students of DTU. Feel free to drop in to meet me anytime at AglaSem, Gurgaon. You will also find one more old member of the team here!

**-Anand Meena Class of 2011
Founder, DTU Times**



FROM THE DESK OF THE **VICE-CHANCELLOR**

Delhi Technological University has been a juggernaut in the field of Academics and Research since its inception, producing the best minds in various fields of engineering. In keeping with the ethos of high-quality education, these bright young minds are shaped by experienced faculty members who are at the top of their respective fields.

The University awarded degrees to the Class of 2018 at the 5th Convocation Ceremony organised in the month of December. The event was graced by the presence of Mr. Anil Bajjal, Hon'ble Lieutenant Governor, Delhi and Hon'ble Chancellor, DTU, Mr. Manish Sisodia, Hon'ble Deputy Chief Minister, Delhi, and Mr. Devinder Singh, I.A.S, Commissioner-cum-Secretary, Directorate of Training and Technical Education.

With the view of facilitating the interaction of students with the best Academicians and Corporates of different fields, the University hosted a number of conferences and organised multiple seminars.

The University has taken giant strides in improving the infrastructure to meet the demands of an increased intake of students. A Multipurpose Hall called 'Raj Soin Hall' as well as a new faculty wing are being constructed. Within months of the introduction of Department of Design, construction of its building is underway. To make the campus more environment-friendly, a Sewage Treatment Plant of capacity 1 Million Litre per Day (MLD) will also be constructed.

The even semester brings with it plenty of learning opportunities through various festivals organised by the students. The third edition of Yuvaan Literature and Film Festival was a testimony of just that which was marked by the presence of distinguished personalities from the field of arts and literature.

Invictus, the annual technical festival of DTU brings bright minds working with various technical societies under one roof to put on a show of the great technical prowess of the university. Multiple events that inculcate scientific fervour inside the students are conducted. Engifest, the annual cultural festival of DTU has already created its niche as one of the best in the country. In an academic environment, it becomes imperative to stay in touch with cultural events. Students from all over the nation come to participate in the enthralling events organised by the cultural societies with the Cultural Council.

It is also my pleasure to congratulate the team of DTU Times for completing 10 years of publication. DTU Times has been a means of trusted news regarding the university for a decade now and I wish them the best for their future endeavours.

10 YEARS OF DTU TIMES

Month: January, Year: 2009

A word document was created in an engineering student's laptop in the central library. The document heralded a small new beginning in an institute soon about to undergo the biggest change in a generation. Post multiple rounds of editing, deliberation, and design, it was finally saved as DCE_Times.doc.

Ten years on, and after forty five editions, a lot has changed, yet the process of collecting news and articles with multiple rounds of scanning and editing has remained the same. Our name changed, as did the duration, design and length of our edition. However, the one thing that has been a constant is attention to editing, design and curation. From double spaces to missed out commas, from formatting to parallelism in writing, our team has always strived to root out obstacles to reading for our readers.

With members from bachelors and masters programs of both the Main Campus and the East Delhi Campus, DTU Times is now a full-fledged student media body with an active online presence. In the spirit of engineering, we have never shied away from exploring uncharted waters. Five years ago, we launched our Facebook page which currently has over twenty-two thousand followers who turn to the page for their daily dose of the latest news of the campus and writings. In the same year, we also

launched a blog on WordPress to publish poems and articles penned by our creative columnists. The blog enjoyed incredible readership with over two-and-a-half lakh views. Two years ago, our Instagram handle was created, which has achieved incredible growth. We have also hosted online photography and illustration competitions successfully in recent years. This year, DTU Times also migrated to a revamped website built by our in-house web development team.

Even in the diversity of our content - be it writing, design or photography - our motivation to report accurate and timely news remains rigid as ever. The team continues to be based on the tenets of fair, precise and prompt reportage of all events of the University.

Even after ten years, we believe many new chapters await us. Where do we move from here? What has made DTU Times successful over the years has been the undying spirit of our team to chase every campus story. We put our hearts to covering each and every event that happens in DTU. Every interview, every picture, every word that makes it to the final edition has a story behind it. We thank all our readers from across years, batches, branches and programs for their sustained support, and aim to keep bringing these stories to you, for the next decade and more!



“We aim to make a special place for USME in the country”

DTU Times interviewed **Prof. Anu Singh Lather**, Pro Vice Chancellor, DTU.

How has your initial experience at universities helped you in the development and progress stride of DTU and its East Campus?

Since my time as a professor of management, I have served two terms as Dean at the University School of Management Studies (USMS), IPU. I also was one of the founding members of the management school. It was founded in 1999 and I joined in 2000 as a part of the team which was instrumental in designing the new program, its curriculum, pedagogy and the treatment of these programs, particularly in the aspect of teaching. The country's market and business were growing and as a result, it so happened that in terms of employability for students, the degree equivalence in the industry was perceived to be not equivalent to MBA, so we started offering an MBA General Program. In this program, we kept the focus on two components, i.e., International Marketing and Computer Aided Management. We found that through this exercise, our curriculum became updated and revised, and hence, its acceptability in the industry rose. We were the risk-takers and prime movers, and we had the natural advantage of revising the curriculum based purely on international standards.

So, with this experience, I came here and when I was asked to start an MBA program at East Campus, I thought we should approach with an openness to experiment and design programs which are updated, contemporary and compatible with the industry's requirements. East Campus' curriculum is exactly based on this philosophy and thus, meant to fulfill the industry's requirements.

How has the reception of the school by the students and the general public been?

I always tell the students at USME that the DSM is your elder brother. We have our first batch passing out from USME this year. We have already had Pre-Placement Talks and appointments are taking place. We have tried to position the MBA program at USME in line with the placements. In fact, we have found that when we presented the students from DSM and USME together for the placements, a large number of students were getting placed from USME. That is one big motivating factor for us now.

Is there a plan for USME to become one of the top management institutes of the country? Please share the future plans for USME.

Yes, it is the target for USME. In fact, the very inception of the



school despite the existence of another B-school with a flavour of nuances of business which are accepted by the industry and with more creative elements in the curricula, so that we can be differentiated and this part has come from the curriculum design and the delivery through pedagogy. We are enhancing students' confidence, the ability to deliver efficiently and effectively and industry readiness. We aim to make a special place for USME in the country, and hope that in coming times we are able to meet our goal.

Apart from the East Campus, you have been closely involved with the departments of International and Alumni Affairs. How have these aspects improved in the last few years?

We have strengthened the Department of International

Affairs and we currently have a full-time Dean of the international, Prof. Vishal Verma, who looks after the same. We also augmented the two offices, International and Alumni Affairs by making them independent units, supported by the right kind of team and infrastructure. Internationalisation is altogether a different mandate for the university. Our national alumni network is quite strong, existing as the Alumni Association. We have provided them an office at the main campus, with a staff, so that they can be connected to the students and others. It apparently needed a more serious and active role of the administration, thus we allotted an independent Alumni Dean and office, where he is now taking up all the work.

Read the full two-part interview on dtutimes.dtu.ac.in/blog

THE BULLETIN

Amendment in Ordinance

The **Board of Management** in its meeting held in November, 2018 approved an amendment in the Ordinance for all undergraduate and postgraduate courses for batches 2018-19 onwards. Henceforth, First Division with Distinction will be awarded to students with CGPA above 8.0 and First Division will be awarded to students with CGPA between 6.0 and 8.0.

Funding for Students' Innovative Projects

The **Board of Management** in its meeting held in November, 2018 approved the proposal for providing support and funding to student teams venturing for innovative projects. Teams of students along with their Faculty Advisors may submit a project proposal to *Dean, Student Welfare*, and a committee constituted by the *Hon'ble Vice-Chancellor* shall evaluate the proposal and allocate necessary funds.

Arena 2019

The annual inter-department sports fest, **Arena**, was organised by the **Sports Council** in January, 2019. It saw the participation of university students in 11 different sports - Cricket, Football, Volleyball, Basketball, Badminton, Lawn Tennis, Table Tennis, Athletics, Handball, Kabaddi and Chess. The winners and the runners-up were felicitated by **Prof. Yogesh Singh, Hon'ble Vice Chancellor, DTU**.

New Construction in DTU

As per inputs from the **Engineering Cell, DTU**, the following new constructions are currently on in the Main Campus of DTU. These projects are expected to be completed by July 2019.

The **Raj Soin Hall**, or Student Activity Center, is being constructed near DTU Lake. A new two-storeyed **Faculty Wing** is being constructed near the Department of Electrical Engineering. The new building of the **Department of Design** is under-construction near SPS 13 and 14. A **Sewage Treatment Plant** of capacity 1 Million Litre per Day (MLD) is also due to be constructed.

The next proposed project is **Phase-II, Delhi Technological University**. Stage-I of this project includes Academic Blocks, Boys and Girls Hostels, all internal and external developments and landscaping, and allied Civil and E&M works. The project is expected to commence in the month of April, 2019.

New Students' Portal in DTU

Delhi Technological University, in association with **LS Academia**, started a new students' portal to facilitate unification of attendance, timetable, leave status and other important information on one single platform.

Multi-Disciplinary Centre of Geoinformatics (MCG)

The **Board of Management** in its meeting held in November, 2018 approved the proposal submitted by **Department of Civil Engineering** for establishment of a **Multi-Disciplinary Centre of Geoinformatics (MCG)** at DTU. The centre will allow research and training across all departments with the vision "To be a world class Multi-Disciplinary Centre in the field of Geospatial and Geoinformatics education, research and consultancy". Initially, it will be created under the **Department of Civil Engineering** with a Professor-in-charge, and would commence its activities in the existing **Disaster Management Lab** with existing resources. As and when needed or available, additional space and resources will be catered.

Republic Day Celebrations

The 70th Republic Day was celebrated in DTU with much fervour and patriotism. The event commenced with flag hoisting by **Prof. Yogesh Singh, Hon'ble Vice Chancellor**. This was followed by a cultural program, including performances by Madhurima, DTU Bhangra and Nrityangana, and by the youngest members of DTU. The day's celebrations concluded with a friendly cricket match between faculty members and students, in which the faculty emerged victorious after a half-century by **Dr. Akhilesh Arora, Associate Professor, Department of Mechanical Engineering**.



GIAN Course on Systems Thinking for Enhanced Water Security in Urban India

The Department of Environmental Engineering, DTU organised a GIAN course on “Systems Thinking for Enhanced Water Security in Urban India” in December, 2018. Prof. Yogesh Singh, Hon'ble Vice-Chancellor, was the patron. Prof. S.K. Singh, Head, Department of Environmental Engineering and Dr. A.K. Haritash, Assistant Professor, Department of Environmental Engineering served as the course coordinators, and Prof. Madhusudan Singh, Dean, Academics (UG) was the local coordinator (GIAN). The main objective of the course was to explain systems thinking and apply different multidisciplinary aspects of water resource management to water security in urban India.



TEQIP-III Sponsored Workshop at USME

USME, DTU organised Two-Day Workshops in January, 2019. The workshops were based on Strategic management from Business Perspective, Entrepreneurship Startup Dream in the 21st century, and Introduction to Data Analytics in R. The workshops were attended by BA (H) Economics, BBA and MBA students.

Lohri Night

On the occasion of Lohri, DTU Students' Association (DTU-SA) organised a Lohri Night in the Aryabhata Grounds. The event included the lighting of the pious pyre, and was well-attended by students as well as members of the staff and faculty.

Visit of School Students

Students from Bal Bharati Public School, Rohini visited the university in November, 2019. They visited various labs in different departments to gain knowledge about engineering systems and ongoing research. The students had the opportunity to observe state-of-the-art infrastructure and were motivated to pursue engineering.



GIAN Course on Resilient Power Grid Operation Using Synchrophasor Technology

The Department of Electrical Engineering, DTU organised a GIAN course on “Resilient Power Grid Operation Using Synchrophasor Technology: A Smart Grid Operation Perspective” in December, 2018. Prof. Yogesh Singh, Hon'ble Vice-Chancellor, was the patron. Prof. S.T. Nagarajan, Professor, Department of Electrical Engineering served as the course coordinator and Prof. Madhusudan Singh, Dean, Academics (UG) was the local coordinator (GIAN). The main objective of the course was to impart an enhanced understanding of the principles behind the power system stability monitoring and control in relation to power system operational reliability.



Deltech Economics Seminars

The University School of Management and Entrepreneurship and Ecotech - The Economics Society of DTU organised the second lecture of the Deltech Economics Seminars. Ayesha Chaudhary, Atal Innovation Mission, NITI Aayog, gave a lecture on the topic: “How government is innovating itself towards developing a new India”. The seminar was attended by BA (H) Economics, BBA and MBA students and members of the faculty.

Workshop on Harvard Business Publishing

The Central Library organised a workshop on “Harvard Business Publishing” in December, 2018. It focused on improving business management practices. The workshop was attended by DSM and USME faculty members, PhD scholars and M.Tech students.

Guest Lecture by Prof. Hee-Chang Lim

The Department of Mechanical Engineering, DTU organised a lecture on the topic “Simulation of Turbulent Boundary Layer Flow in Channels” in January, 2019. The lecture was delivered by Prof. Hee-Chang Lim, Head, Education Department, School of Mechanical Engineering, Pusan National University, Republic of Korea.

Guest Lecture by Dr. Saif K. Mohammad

The Department of Electronics and Communication Engineering, DTU organised a lecture on the topic “5G Wireless Communication” in January, 2019. The lecture was delivered by Dr. Saif K. Mohammad, Associate Professor, Electrical Engineering Department, IIT Delhi. The event coordinators were Mr. Anurag Chauhan and Mr. Piyush Tewari, Assistant Professors, Department of Electronics and Communication Engineering.

GUEST LECTURES AT THE DEPARTMENT OF DESIGN

The **Department of Design, DTU** admitted its first batch of students in August, 2018. It currently offers a four year Bachelor of Design course in **Visual Communication, Product Design and Interactive Design**. The department is headed by **Prof. Ranganath M. Singari**.

The **Department of Design** organised an **Expert Talk** by **Prof. G.V. Sreekumar, Head, Industrial Design Center, IIT Bombay** in November, 2018. Prof. Sreekumar, an expert in visual design, typography and magazine design with over three decades of experience, shared his insights on current trends and a career in the design field.

The **Department of Design** also organised a series of lectures taken by a number of experts and prominent names in the field of design spread over January, 2019.

The first lecture was given by **Mr. Chandrashekhar Bheda**, famed textile and handicrafts product designer and **Creative Head and Principal Designer, Spider Design**. The lecture

discussed the process of design, as well as the need to go beyond stereotypes.

The second lecture was delivered by **Mr. Ajay Gupta, Founder Director and Principal Designer, Firstouch Solutions Pvt. Ltd.** and DCE alumnus. The lecture delved into the approach towards design for better customer experience.

Mr. Neeraj Sahai, an exhibition designer and **Co-founder, Picture Street** delivered the third lecture and spoke on his experience working with the UN, NSD and various corporate giants.

The fourth lecture was delivered by **Mr. Anuj Prasad, Founder Director, Desmania Design Pvt. Ltd.**, who spoke on the need for placing the user at the center of the design process.

The lecture series is coordinated by **Prof. S.G. Ranjan, Department of Design**. **Mr. Neeraj Rathee, Assistant Professor, Department of Design** is the **Faculty Coordinator**.



**“I know that
people here
have it in them”**



DTU Times interviewed **Prof. Hee-Chang Lim**,
Head, Education Department, School of Mechanical Engineering, Pusan National University, Republic
of Korea, who visited DTU to deliver a guest lecture

How has your experience in India been this time?

India is really comfortable and very kind. To sum it up, it's adjustable. Last time, I didn't have much time to experience the areas outside the campus, but this time I was staying inside the campus in IIT Delhi and we tasted a variety of food and even visited the city center where they welcomed me very well. Today while I was in a rush to come here, even at the airport, many people were interested in my topic and we discussed it at great lengths. The atmosphere here is great and I feel that India is one of the best places.

In terms of quality of research, how do you find India to be?

I visited two places, IIT Delhi and this University; most students have good potential and even in the morning, a scholar and I had a great talk and professors have a great background as well. So, that's where I know that people here have it in them and they are going to do very well.

For the past years, a phenomenon in India has been that the first choice of students has been computer related courses. Has that been experienced in Korea as well?

Students in Korea are not sure about course selection. They have a wide variety of interests other than academics. For example, they're usually interested in gaming. It's very popular over there. I'm surprised that here students have published papers. In Korea, they are interested in entirely different areas. These are slightly different circumstances and it's difficult to compare that. Mostly students in Korea are interested in usual life rather than research and that's why they are not going to proceed more in the field.

Has there been an increase in interest in pursuing mechanical engineering over the past few years?

There's currently a decreasing trend. Our population is currently decreasing. We need new babies, but sometimes circumstances are not favourable for having a baby in Korea. And this trend propagates into school and high school. Thus, there are fewer students in these fields. We need more students for an increased interest in any field.

Another trend is that students prefer to go in for a job in the industry right after rather than pursuing research. Do they follow this in Korea as well?

In Korea, students often graduate and don't get a job in their main domain. Some are demotivated by this and don't want to go to graduate school. Only about 10-20 percent of the student population goes to industrial jobs after they graduate.

How does your research connect to physical applications?

We get a project in this field and they need some real outcome. We show them how we generate it and whether it fits well with their requirements. If you need some outcome for research, you get a project, show them, and get it reviewed. They take our reference data into account as well. And we get the right feedback from them.

Read the full interview on dtutimes.dtu.ac.in/blog

CONVOCATION

One of the most momentous events of the University, the convocation ceremony marks the end of student life. Delhi Technological University witnessed its **5th Convocation Ceremony** on 13th December 2018. The entire campus was adorned and prepared for welcoming the newly graduated students of the Bachelors of Technology program of DTU. Graced by the presence of **Mr. Anil Baijal**, *Hon'ble Lieutenant Governor, Delhi and Hon'ble Chancellor, DTU*, **Mr. Manish Sisodia**, *Hon'ble Deputy Chief Minister, Delhi* and **Mr. Devinder Singh**, *I.A.S, Commissioner-cum-Secretary, Directorate of Training and Technical Education*, the ceremony saw the conferring of 2099 degrees along with 2 Chancellor Medals and 43 Vice Chancellor Medals. **Prof. D.P. Singh**, *Chairman, University Grants Commission* was the Chief Guest for the event.

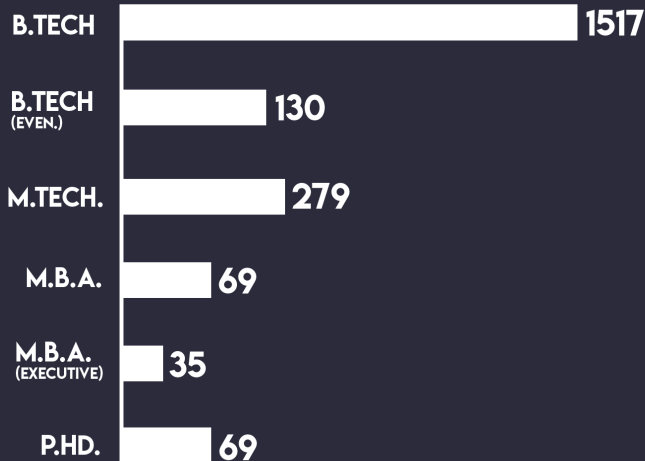
Students draped in black cloaks and convocation hats flocked the campus all through the day. Memories were captured through photographs with students posing with their proud parents. While addressing the students, Mr. Sisodia emphasised the fact that the students must not limit themselves to being 'job-seekers' but also take the onus of being the 'job-providers' in the country. The Hon'ble Chancellor accentuated on preparing individuals for contributing to social issues, like healthcare, environment, cybersecurity, and artificial intelligence. **Prof. Yogesh Singh**, *Hon'ble Vice-Chancellor, DTU* enthused the students to always remember their responsibilities towards the nation and to never involve in any activity against the interest of the country. With their degrees in their hands by the end of the ceremony, the students were ready to step in the next phase of their lives!



Golden Pride Dinner

The Convocation was preceded by the **Golden Pride Function** on 12th December, in honour of Gold Medallists and PhD awardees of the university. **Mr. Arun Goyal**, *Secretary (Coordination), Cabinet Secretariat, Rashtrapati Bhavan* was the Chief Guest for the event.

From the Class of 2018, **Sahil Manchanda**, *M.Tech, CSE* and **Ayush Goel**, *B.Tech., ECE* were awarded the Chancellor's Gold Medal. 15 students from B.Tech, 5 from B.Tech. (Evening), 22 from M.Tech. and 1 each from MBA and MBA (Executive) were awarded the Vice-Chancellor's Gold Medal.





CONVOCATION
 The Vice Chancellor
 Delhi Technological University, Delhi
 Welcomes you to the
100th GOLDEN PRIDE FUNCTION
 Wednesday 12th December, 2018
 In Honour of gold Medalists
 and
 Ph.D. Awardees of University 2018
 Chief Guest
SHRI ARUN GOYAL, I.A.S.
 Distinguished Alumnus of DTU & Secretary (Coordination)
 Cabinet Secretariat, Rashtrapati Bhavan, New Delhi

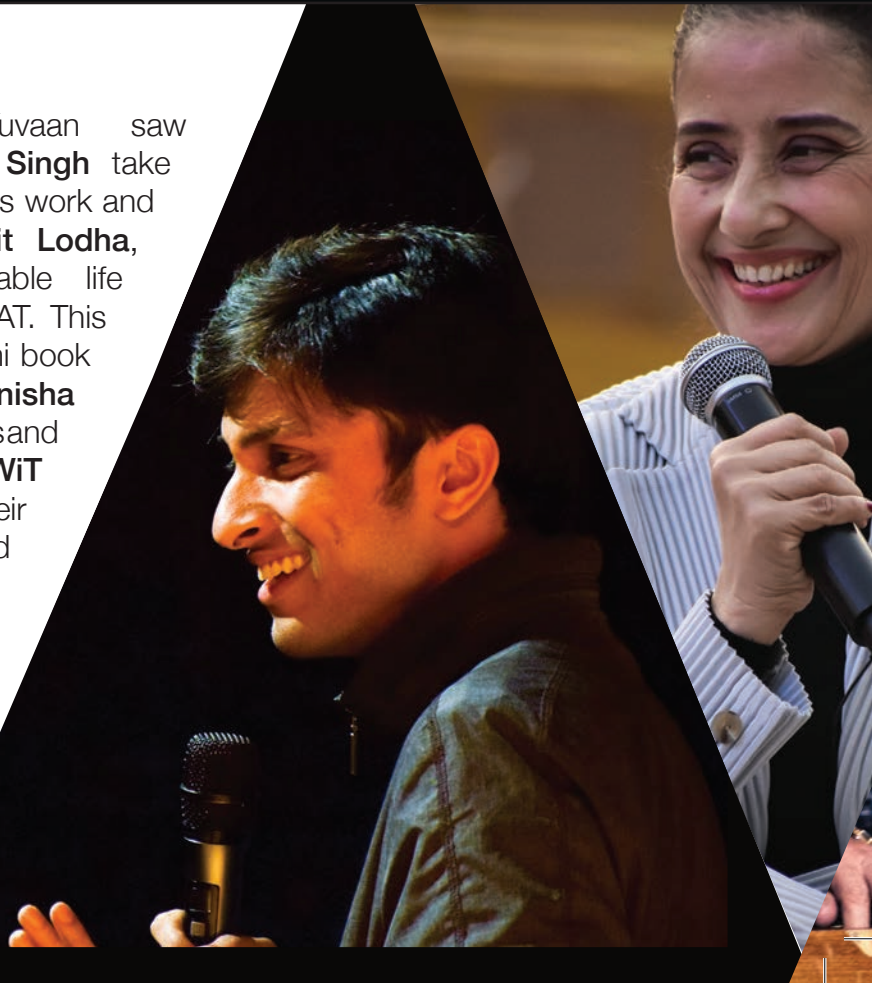


The third edition of **Yuvaan**, the literature and film festival of Delhi Technological University was organised in **January, 2019**. The festival saw massive footfall this year as film lovers and literature fans came to attend the celebrations from all around the city. The fest started with a formal inauguration ceremony. **Padma Shri Dr. Ashok Chakradhar** was the chief guest for the event, along with **Prof. Yogesh Singh**, Hon'ble Vice Chancellor, DTU. The crowd present was also mesmerised by the delightful performance of **Dastangoi**.



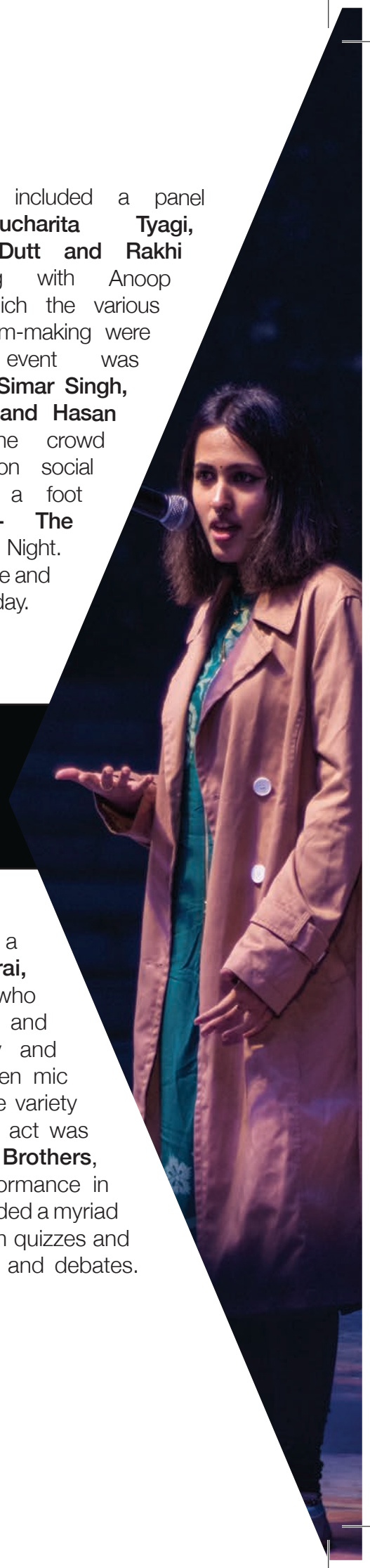
YUVAAN

The first day of Yuvaan saw renowned author **Ravinder Singh** take the stage as he talked about his work and interacted with students. **Amit Lodha**, IPS Officer shared his valuable life experiences with the crowd at OAT. This talk show was followed by the Delhi book launch of *Healed*, authored by **Manisha Koirala**. The evening was filled with jokes and laughter as talented comedians from **WiT Comedy** left the guest in splits with their stand-up acts. The first day concluded with a night of storytelling headlined by **Amandeep Singh**, **Helly Shah** and **Mohammed Sadriwala**.





The penultimate day included a panel discussion by **Sucharita Tyagi, Manuv Mehra, Avijit Dutt and Rakhi Chauhan Mehta** along with Anoop Lather, PRO, DTU, in which the various nuances of and trends in film-making were discussed. The next event was UnErase Poetry, performed by **Simar Singh, Megha Rao, Gaurav Tripathi and Hasan Baldiwala** who fascinated the crowd with their poetic commentary on social issues. The night ended with a foot tapping performance by **Rooh- The Fusion Project** in Bollywood Band Night. Competitive events such as Socratic Circle and Shipwreck were also held throughout the day.



2019



The final day of Yuvaan started with a motivational talk by **A.P. Durai**, former DGP, Karnataka and author, who reminisced on his time in service and spoke on the need for integrity and honesty. **Rehguzar**, a curated open mic event saw students exhibit a wide variety of talents on stage. The closing act was performed by the famous **Nizami Brothers**, who gave an enthralling performance in **Ruh-e-Sufi**. Yuvaan also included a myriad of literary events ranging from quizzes and word games to extempore and debates.

"When you plan everything out, things fall in place."

-Amit Lodha



"The law of karma and sanskaras is inescapable."

-A.P. Durai

DTU Times interviewed **A.P. Durai**, former DGP, Karnataka and author, who visited DTU for Yuvaan 2019.

You discovered that bringing about 'law and order' within oneself was a prerequisite for one's role as a police officer. How can this be applied to any other occupation?

Bringing law and order within oneself is much more difficult than in the outside world. In the exterior world, we may use external forces and people obey out of fear and follow orders to keep discipline. But to change from within, we need to take steps ourselves, without any external instructions given by any outside authorities. We need to regulate our thought process, especially our mind, which influences all our actions. Order is the regulation of thought and law is referred to as law of *karma* and *sanskaras*.

How do you think financial impediments are keeping India on the back foot?

Policing, prevention of crime and maintenance of law and order cannot suffer due to lack of certain facilities. In the police department, everything needed to be handwritten and managed in files and registers. We need to comprehend that administration and all officers can excel with or without technology. The gap between the latest technologies and common people always exists. The major impediment is not the technology available but the philosophy of the department. They should have the fact ingrained that they are in service of the public and not themselves.

You've also served as Director of NPA. What changes have you seen in the training and the attitude of regular recruits at your time and off late?

The methodology and technology have seen upgradation and the facilities are constantly being improved. NPA is no longer the small school we had in Mount Abu, but is now a modern institution. The facility does not lag behind in technology, however, the value system injected in the young police officers is not satisfactory. The law of *karma* and *sanskaras* that I have mentioned in my book is inescapable. Everyone needs to accept the fact and it needs to be present in the consciousness of every police officer.

Read the full interview on dtutimes.dtu.ac.in/blog

DTU Times interviewed **Amit Lodha**, IG, BSF and author, who visited DTU for Yuvaan 2019.

How do you find time out of your busy police schedule to maintain such a diverse lifestyle?

I read it somewhere, "A busy man has time for everything." When I wake up in the morning, I write down all the things that I have to do, both professional and personal, in my diary. When you plan everything out, things fall in place. Value your time and other people's time. Learn to prioritise. My staff is also supportive, they also work as per my schedule.

How do you think the police is keeping up with cyber crimes? How can engineering students, with all their technological knowhow, help police in solving such things?

The police personnel are not always technologically inclined, but we know that you people are. They aren't well versed with Whatsapp, Skype, etc. So we'll seek your help to understand these things and apply them for the benefit of all. As an IPS Officer, my job is to make people work. I'll ensure that this happens and I'll make use of all the available resources, it's common sense!

After your book, now a movie is also being made on your life. How do you think your movie is going to turn out?

Yes, movies usually deviate from reality. But the movie world is a make-believe world, I have no complaints against it. Some movies have shown police in a very bad light, but many have portrayed police in a good light also. Things are changing gradually. In recent movies like Singham and Simmba, the cop is shown as the hero. I'm hopeful that my movie will turn out good.

Read the full interview on dtutimes.dtu.ac.in/blog

“BOLLYWOOD IS OUR LARGEST EXPORT TO THE WORLD”

How is theatre different from film industry?

Completely different. Theatre is here and now. You are sharing time and space and even the breath of the actor, which does not happen in cinema. Cinema is frozen. At the end of the shoot you might say, “Yaar maza nahi aaya, main kuch aur karna chahta tha!” (I wish I could’ve done that differently!), but you don’t have a chance to do that now; it’s frozen. But in theatre, you can say, “Yaar baat nahi bani aaj! Kal kuch aur karte hai.” (Today wasn’t the best. We’ll try it differently tomorrow!) and you talk to your co-actors and you build your narrative and the next day you do it and it catches fire with the audience and go like “Wah! Mil gaya raasta! Ab is hi raaste pe jaana hai aage!” (We finally nailed it! This is how we’re going to go at it from now!). However, film has a great advantage. The power of Bollywood is just so incredibly fearsome. It is definitely our largest soft power creation and export to the world.

The film industry is highly commercialised, whereas in the theatre industry, the people have told us that the audience they get is somewhat limited.

You know, in ‘92 when the TV became a huge doorway to entertainment with the opening of satellite channels. Theatre started having a bad time because suddenly people could see it all at home. We’re selfish humans and we think what the point is of going outside when we can relax in here. So willy nilly, you get in sucked into a rhythm which is against taking you out, but theatre has been dying for 2000 years. People have been saying that theatre is a dead art for a long time but theatre will not die because the audience keeps coming.

Sir we also know that you have 2 patents, one is of a toilet and one is of a blood testing and collecting in healthcare. What inspired you to come up with these?

It’s a strange fact but a fact that rural health is not recorded. We know how many births take place and we know how many pregnancies take place, what is safe motherhood and how many children have survived after 6 months. But nothing else is recorded. So when they say that India suffers from 22% of diabetes it’s utter nonsense. Urban figures are taken and extrapolated. WHO recommends 1 doctor per 1000 people. And what we have is 1 doctor for 11046

DTU Times interviewed filmmaker, actor, theatre director and communications consultant Avijit Dutt, who was at Yuvaan Literature and Film Festival for a panel discussion.

people. Out of 100 doctors, 80 would want to work in the city and of the remaining 20, 7-8 leave to practice in the West. So, only 12-13 doctors are left to practice in the rural areas. And village populations are huge.

WHO says that to walk to a primary healthcare centre, a villager needs to walk an average of nearly 8 km. Due to the huge number of people in the healthcare centre, it gets hard for the doctor to give them proper attention. They’re hard pressed. So when we collect samples and give them to PHC doctors, those who are really genuine, they are so grateful because they now finally know why that one particular person kept coming back again and again because of weakness. They now know that the person is suffering with high sugar. So I’m doing it out of a necessity. Because it’s not there. So we invented the process. And my name comes as the inventor. We have covered 53,400 people in 76 villages.

There are a lot of theatre enthusiasts in this university, who are actively participating in competitions and aspire to be actors one day. What advice do you have for them?

Keep searching. Keep looking inward, keep working on yourself. And see and consume media. That can give you new ways.

[Read the full interview on dtutimes.dtu.ac.in/blog](http://dtutimes.dtu.ac.in/blog)



E-SUMMIT 2019



Entrepreneurship Cell DTU hosted its flagship event, **E-Summit 2019**, from 31st January to 2nd February 2019. The event was a colloquy of sharp young minds, bleeding edge professionals and trend-setting companies. E-Summit, a platform that puts the youth of the country in front of their corporate idols for an exchange of ideas, insights and lessons about the world of business and what one needs before diving in, saw a remarkable line-up of speakers and a plethora of events in its 12th edition.

The conference began with **Leadership Lecture Series** which was one of the most exciting events of this three-day conference. The lineup of speakers was nothing short of extraordinary. **Ms. Monika Halan**, *Consulting Editor, Mint*, was the keynote speaker of the event. The auditorium was met with a full house of students listening to CEOs, founders and authors with expertise in different fields. Among the speakers were **Dr. Aniruddha Malpani**, *Founder, Malpani Ventures*, **Mr. Rajeev Sikka**, *Director-Commercial, IGL*, **Mr. Vikram Singh Hukmani**,



MD and CEO, 94.3 Radio One and **Mr. Sajjan Kumar**, MD, Nikon India. The first day ended with a bang, a Comedy evening with **Biswa Kalyan Rath** was just what everyone needed. He lived up to his reputation of “*Mast Aadmi*” with his very humorous set.

The second day kicked off with the second edition of **HR Masterclass, Crack It**. HR representatives from leading companies including Moody's Analytics, GMR Group and many more shared their insights into what goes on in their minds while hiring and what a company looked for in their new recruits. They also shared CV building tips, corporate facts and best career options with the students. What followed was E-Cell DTU's annual Business Plan Competition - **Blueprints 2019**. 15 shortlisted teams engaged in cut-throat competition in the final pitching round with a distinguished panel of angel investors and startup mentors as judges.



The third day commenced with **Startup Internship Fair 6.0**. Start-ups from all stages of progress came to DTU to interact with students. The Fair managed to successfully create a meeting place for startups who were on the lookout for hiring young talented people and ambitious students keen on working with a budding startup. Speed interviews were conducted and many students got the opportunity to score internships with budding startups.

From the start to the end, the Entrepreneurship Summit was successful in delivering young entrepreneurs a perfect platform to make their dreams come true. Students took away life-changing lessons and the opportunity of working for emerging startups.



ALUMNI NEWS

KNOW YOUR ALUMNI

MR. MANISH KHERA

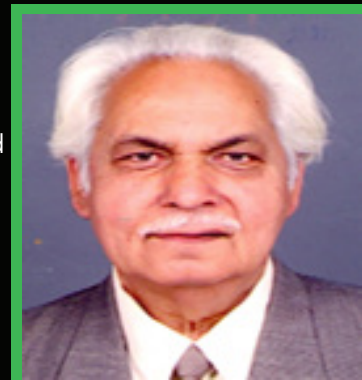


- Graduated from DCE in '91, with B.E. in Electrical Engineering.
- Pursued an MBA from Faculty of Management Studies and M.Phil from University Of Cambridge.
- Held several prominent banking roles, including as Joint General Manager at ICICI Bank.

- Was selected as the 'Young Global Leader, 2011' by the World Economic Forum.
- Served as the CEO of Airtel Money.
- Founder and CEO at Arth Impact- an entrepreneurial venture in Digital Lending.

PROF. RAJINDER KUMAR

- Did his master's degree from DTU (then Delhi Polytechnic).
- Served IISc in various capacities.
- Elected fellow of Indian National Science Academy.
- Awarded Shanti Swarup Bhatnagar Prize for Science and Technology in 1976.
- Received Padma Bhushan in 2003.



SACHIN GARG



- Indian novelist, entrepreneur, publisher and speaker.
- Graduated from DCE with a B.Tech degree in Electronics and Communication Engineering.
- Chart topper for Hindustan Times AC Nielsen Charts in 2013.
- Collaborated with NGOs like the Survival International.
- Co-founded Grapevine India Publisher Pvt. Ltd. with Durjoy Dutta.

VISIT BY PROF. D. YOGI GOSWAMI



One of the most distinguished alumni of DTU and American Inventor, entrepreneur, author and educator, **Prof. Dharendra Yogi Goswami** visited DTU campus in December 2018 from Florida. Prof. Goswami is currently a professor in the *University of South Florida* and *Director, Clean Energy Research Center* and advises the Indian Government and the US Congress on energy policy.

VISIT BY INTERNATIONAL FACULTY



DTU saw visits of **Prof. Metin Akay** and **Prof. Chandra Mohan** from the University of Houston in December 2018. Prof. Metin Akay is the founding chair of the new *Biomedical Engineering Department* at the *University of Houston*. The distinguished guests met and had discussions with the Hon'ble Vice Chancellor. **Prof. R.P. Singh**, *University of California, Davis* also visited DTU and interacted with various faculty and administration members.

ALUMNI GET-TOGETHER IN BENGALURU

A group of Alumni members hosted a get-together in Bengaluru. **Prof. Pravir Kumar**, *Dean (Alumni Affairs), DTU*, was also present with the members. The group reminisced on their time at DCE and planned for more such meetings in the future.

ALUMNI CONTRIBUTIONS

As per data received from the Dean (Alumni Affairs), DTU, the following alumni have contributed or have pledged to contribute for the welfare and development of their alma mater.

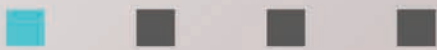
S.No.	Alumnus	Purpose	Amount	Year
1	Dr. Raj Soin	Raj Soin Hall	Rs. 5 Crore	2018
2	Prof. D. Yogi Goswami	Donation	Rs. 70 Lakh	2019
3	Batch of 1959	Donation	Rs. 21 Lakh	2019
4	Mr. Suraj Bhatia	Fellowship	Rs. 15.5 Lakh	2019
5	Dr. Durga Das Agarwal	Donation	Rs. 10 Lakh	2017
6	Mr. Vijay Nangia	Donation for Medal	Rs. 3.5 Lakh	2018
7	Mr. Ashok Puri	Donation	Rs. 2 Lakh	2019
8	Mr. Moti Lal Gehani	Donation	Rs. 1 Lakh	2019
9	Mr. Kulwant Sobti	Donation	Rs 51 Thousand	2019



POWER



HOME

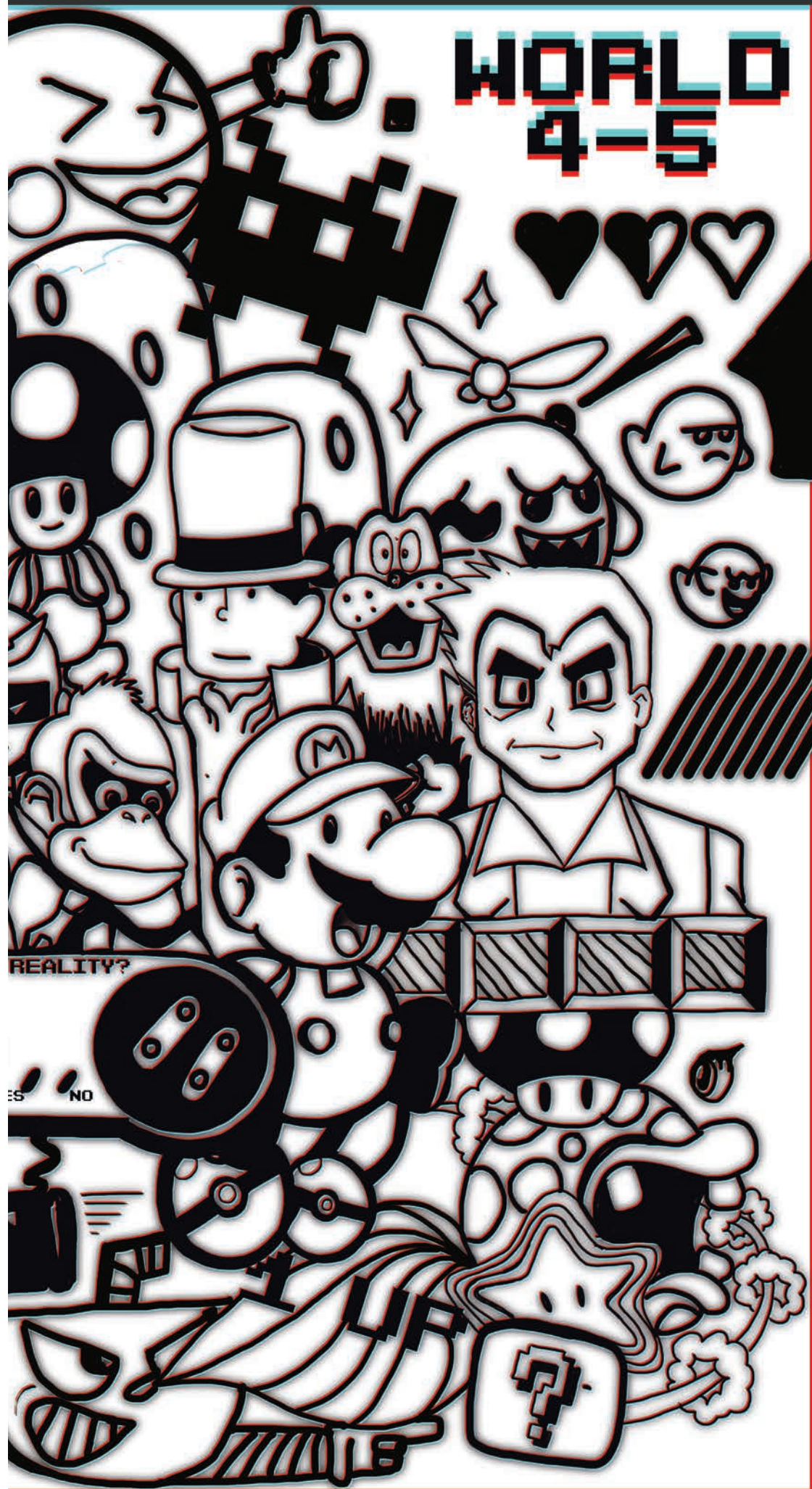


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WORLD 4-5



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Faculty News

Awards, Honours, Conferences

Prof. S. Indu, HoD, Dept. of Electronics and Communication Engineering

- Program chair, 2nd Workshop on Digital Heritage, *IIT Hyderabad*
- Attendee, Indian Conference on Computer Vision, Graphics and Image Processing 2018, *IIT Hyderabad*
- Organizer, Lecture on '5G Wireless Communication' by Prof. Saif K Mohammed (*IIT Delhi*), *Dept. of ECE, DTU*
- Expert member, Interview Board for IES, *UPSC, Delhi*

Prof. Jaigopal Sharma, HoD, Dept. of Biotechnology

- Awarded 'National Green Award 2019 for Outstanding Contribution in the field of Environmental Biotechnology', Environment and Social Development Association, International Conference on 'Global Environmental Challenges Human Health and Sustainable Development', *JNU, New Delhi*
- Session chair, International Conference on 'Global Environmental Challenges Human Health and Sustainable Development', *JNU, New Delhi*
- Organizer, workshop-cum-live demo, 'Newly Released Digital Microscope VHX 6000 Series from Keyence, Japan', *Dept. of BT, DTU*
- Organizer, interactive session for students and faculties with Prof. C.V. Ramakrishnan (founder head, Dept. of BT, MS University, Baroda), *Dept. of BT, DTU*

Prof. Amit Pal, Dept. of Mechanical Engineering

- Lecturer, 'Sustainable Energy Sources for the Transportation Applications and Advanced Biodiesel Production Techniques', FDP on Renewable Energy, *NIT Patna*

Prof. Bharat Bhushan, Dept. of Electrical Engineering

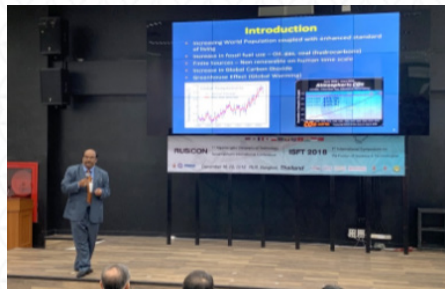
- SMIEEE - Senior member, *Institute of Electrical and Electronics Engineers*
- FIE - Fellow, *The Institution of Engineers*

Prof. Narendra Kumar, Dept. of Electrical Engineering

- Awarded 'Pt. Madan Mohan Malviya Memorial Prize - 2018', *Institution of Engineers, India, Indian Engineering Congress, Udaipur*
- General chair and organizing secretary, IEEE International Conference on Power Electronics Intelligent Control and Energy Systems - 2018, *DTU*

Prof. Naveen Kumar, Dept. of Mechanical Engineering

- Presenter, 'Some Studies on NOX Reduction from a Diesel Engine using Stabilized Emulsion', *ASME 2018 International*



Mechanical Engineering Congress, Pittsburgh, USA

- Lecturer, 'Methanol Economy - Opportunities and Challenges for India', International Symposium on Fusion of Science and Technology 2018, *Raj Mangala University of Technology, Thailand*

Prof. Pravir Kumar, Dept. of Biotechnology

- Speaker, 'Ubiquitin proteasome system in neurodegenerative disorders', International Conference on Emerging Researches in Bioscience, *Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh*
- Speaker, 'Characterization and Mechanistic Role of Biomolecules in the Reversal of Stress-Induced Neurodegeneration Informatics Tools in Drug Discovery and Drug Delivery', Informatics Tools in Drug Discovery and Delivery, *Punjabi University, Patiala*

Dr. Rahul Katarya, Assoc. Prof., Dept. of Computer Science & Engineering

- Session chair, 'IEEE International Conference: International Conference on Computers and Management', *Dept. of CSE, G.B. Pant Engineering College, Delhi*
- Attendee, 'Electric Mobility in India - Issues and Options', *Institution of Engineering and Technology, Uttarakhand and Delhi Local Network*



Prof. Vijay Gautam, Dept. of Mechanical Engineering

- Presenter, 'Design and Analysis of An Open Differential', International Conference on Advanced Production and Industrial Engineering, *Dept. of ME, DTU*
- Speaker, International Conference on 'Renewable Energy for Sustainable Development', *MPCT, Gwalior*
- Presenter, 'Experimental and Numerical Characterization of Residual Stresses in Tailor Welded Blanks After Springback', 7th International and 28th All India Manufacturing Technology, Design and Research Conference - 2018, *Anna University, Chennai*
- Speaker, 'Advances in Metal Forming', STTP on 'Advancements in Mechanical Engineering', *Madan Mohan Malviya University of Technology, Gorakhpur*
- Speaker, 'Recent Developments in e-Vehicles and Engineering Materials: A Preview', TEQIP III sponsored course, Renewable Energy and Applications-2018, *NIT Patna*

Dr. Ram Singh, Assoc. Prof., Dept. of Applied Chemistry

- Lecturer, 'Ionic liquids: Synthesis and Utility as Electrolytes', International Meeting on Energy Storage Devices, *IIT Roorkee*

Dr. Ruchika Malhotra, Assoc. Prof., Dept. of Computer Science & Engineering

- Speaker, 'Software Quality Predictive Modeling using Machine Learning: Present and Future', 9th International Conference on Quality, Reliability, Infocom Technology and Business Operations 2018, *University of Delhi*
- Session chairperson, 9th International Conference on Quality, Reliability, Infocom Technology and Business Operations 2018, *University of Delhi*
- Session chairperson, IEEE 7th International Conference on Reliability, Infocom Technologies and Optimization, *Amity University, Noida*
- Speaker, 'Empirical Software Engineering: Concepts and Applications', Seminar on Empirical Software Engineering, *MAIT, Delhi*
- Lecturer, 'Machine learning in Predictive Modeling: Issues and Future Guidelines', FDP on Latest Trends of Research in ML, Data Analytics and Image Processing, *JIMS, Delhi*
- Member, Program committee, Mining Software Repositories, *Canada*
- Member, Program committee, Evaluation and Assessment in Software Engineering, *Denmark*
- Member, Program committee, International Conference on Software Engineering, *Canada*
- Program Chair and Session Chair, Challenge Track, Symposium on Search Based Software Engineering 2019, *Estonia*

Dr. Shilpa Pal, Assoc. Prof., Dept. of Civil Engineering

- Member, Governing Council, *Indian Association of Structural Engineers*
- Co-chair, technical session on 'Seismic Safety of Industrial and Power Plant Structures', Symposium on Earthquake Engineering, *IIT Roorkee*
- Presenter, 'Vibration Based Damage Detection and Analysis of a R.C.C. Building', Symposium on Earthquake Engineering, *IIT Roorkee*
- Attendee, Workshop on 'Performance-based Earthquake Engineering for Enhanced Community Resilience', *IIT Roorkee*
- Attendee, Workshop on 'Current Aspects of Research Evaluation and Plagiarism', *JIIT Noida*

Dr. Sudarshan K Valluru, Assoc. Prof., Dept. of Electrical Engineering

- Promoted to the grade of IEEE Senior Member

Ms. Divyashikha Sethia, Asst. Prof., Dept. of Computer Science & Engineering

- Attendee, ACM International Conference. Computer Science and AI 2018, *Shenzhen, China*

Ms. Goonjan Jain, Asst. Prof., Dept. of Applied Mathematics

- Best Paper Award, 'Epidemic Spreading based Word Sense Disambiguation of Hindi Text',

International Conference on Communication and Computing Systems *Dronacharya College of Engineering, Gurgaon*

Mr. Naval Garg, Asst. Prof., University School of Management & Entrepreneurship

- Attendee, Workshop on Case Study Methodology, *IIM Ahmedabad*
- Coordinator, 'Introduction to Data Analysis with R', *USME DTU*
- Coordinator, 'Entrepreneurship: Start-up Dream in 21st Century', *USME DTU*
- Coordinator, 'Strategic Management from Business Perspective', *USME DTU*

Dr. Deva Nand, Asst. Prof., Dept. of Electronics & Communication Engineering

- Best Paper Award, 'Operational Floating Current Conveyor based TAM and TIM Shadow Filter', International Conference on Computers and Management 2018, *G.B. Pant Engineering College, Delhi*
- Attendee, MHRD sponsored GIAN course, 'Systems Thinking for Enhanced Water Security In Urban India', *Dept. of ENE, DTU*

Ms. Priya Malhotra, Asst. Prof., University School of Management & Entrepreneurship

- Attendee, PAN IIT Conference, *IIT Roorkee*
- Attendee, AIMA Academic Conference, *New Delhi*
- Attendee, India Finance Conference, *IIM Calcutta*

Dr. Rajesh Sharma, Asst. Prof., University School of Management & Entrepreneurship

- Coordinator, 'Introduction to Data Analysis with R', *USME DTU*
- Coordinator, 'Entrepreneurship: Start-up Dream in 21st Century', *USME DTU*
- Coordinator, 'Strategic Management from Business Perspective', *USME DTU*



Publications

Prof. S. Indu, HoD, Dept. of Electronics and Communication Engineering

- 'Online Video Summarization: Predicting Future To Better Summarize and Present', *IEEE Winter Conference on Computer Applications 2019, Hawaii*
- 'Robust Detection of Iris Region Using an Adapted SSD Framework', *Workshop on Computer Vision Applications*

Prof. Jaigopal Sharma, HoD, Dept. of Biotechnology

- 'Dietary supplementation of vitamin C: an effective measure to give protection against UV-B irradiation using fish as model organism', *Photochemical & Photobiological Sciences*
- 'Mass production of Lemna minor and its amino acid and fatty acid profiles', *Frontiers in Chemistry*

Prof. Amit Pal, Dept. of Mechanical Engineering

- 'Comparative study of biodiesel production methods from Yellow Oleander oil and its performance analysis on an agricultural diesel engine', *International Journal of Ambient Energy*

Prof. Bharat Bhushan, Dept. of Electrical Engineering

- 'Real-Time Control of Ball Balancer using Neural-integrated Fuzzy Controller', *Artificial Intelligence Review Journal*
- Lecture notes in Electrical Engineering, 'Adaptive Neuro Fuzzy-PID and Fuzzy-PID Based Controller design for Helicopter System', *Springer*
- 'Sliding Mode Control of Inverted Pendulum with Decoupling Algorithm', *International Journal of Computer Applications*

Prof. B. B. Arora, Dept. of Mechanical Engineering

- 'Thermodynamic Performance Analysis of Dedicated Mechanically Subcooled Vapour Compression Refrigeration System', *Journal of Thermal Engineering*
- 'Energy and Exergy Investigations of R1234yf and R1234ze as R134a Replacements in Mechanically Subcooled Vapour Compression Refrigeration Cycle', *Journal of Thermal Engineering*
- 'An Analysis and Modelling of Selected Barriers for Sustainable Manufacturing System Using ISM technique', *International Journal of Operational Research*
- 'CFD Analysis of Flow Through Axial Annular

- Diffuser at Area Ratio 2.5 and Casing Diverging Angle Of 6 Degree', *Journal of Emerging Technology and Innovative Research*
- 'Study and Analysis of Parallel Hub and Diverging Casing Axial Annular Diffuser With Area Ratios of 4', *Journal of Emerging Technology and Innovative Research*

Prof. Narendra Kumar, Dept. of Electrical Engineering

- 'Restraining SSR with CDRPF-Signal Supported Static VAR System', *Sustainable Energy, Grids and Networks*
- 'Designing of Supplementary Controller for STATCOM for Damping of Oscillations in Power System', *Journal of the Institution of Engineers*
- 'Optimal Control Strategies-Based AGC of Electrical Power Systems: A Comparative Performance Analysis', *Optimal Control Applications and Methods*
- 'Optimal Automatic Generation Control of Two Area Power Systems with Energy Storage Units Under Deregulated Environment', *Journal of Renewable and Sustainable Energy*
- 'Comparative Analysis of PSO Tuned AGC Strategy of Multi-Area Multi-Source Power System Incorporating SMES', *ICPEICES, DTU*
- 'Bird Swarm Algorithm for Solving Multi

Objective Optimal Power Flow Problem', *ICPEICES, DTU*

- 'Determination and Allocation of Optimal Size of TCSC and STATCOM for Obstruction Alleviation in Power System', *ICPEICES, DTU*
- 'Literature review of Flow Battery Models', *ICPEICES, DTU*
- 'A Control Strategy for Subsynchronous Resonance under Varying Degree of Series Compensation', *ICPEICES, DTU*
- 'On-Line Monitoring and Simulation of Transmission Line Network Voltage stability using FVSI', *ICPEICES, DTU*
- 'Wavelet Based control of Shunt Compensator for Power Quality Enhancement', *ICPEICES, DTU*
- 'A Comparative Analysis of AGC of Two Area Hydro-Thermal Power System Interconnected by AC-DC Parallel Link In restructured Power System', *ICPEICES, DTU*
- 'Modelling and Simulation of Microgrid Solar Photovoltaic System with Energy Storage', *ICPEICES, DTU*
- 'Design and Analysis of Renewable Energy Based Hybrid Model for Remote Applications', *ICPEICES, DTU*

Prof. Pravir Kumar, Dept. of Biotechnology

- 'Cellular Toxicity of Mesoporous Silica Nanoparticle in SHSY5Y and BM-MNCs Cell', *Pharm Nanotechnol.*
- 'Can Luteolin be a Therapeutic Molecule for Both Colon Cancer and Diabetes?', *Functional Genomics*

Prof. Sagar Maji, Dept. of Mechanical Engineering

- 'Design Development and Characterization of MEMS Silicon Diaphragm Force Sensor', *Vacuum*

Prof. Suman Bhowmick, Dept. of Electrical Engineering

- 'A Generalized Power-Flow Model of VSC Based Hybrid AC-DC Systems Integrated with Offshore Wind Farms', *IEEE Transactions on Sustainable Energy*

Dr. Akhilesh Arora, Assoc. Prof., Dept. of Mechanical Engineering

- 'Thermodynamic Performance Analysis of Dedicated Mechanically Subcooled Vapour Compression Refrigeration System', *Journal of Thermal Engineering*
- 'Energy and Exergy Investigations of R1234yf and R1234ze as R134a Replacements in Mechanically Subcooled Vapour Compression Refrigeration Cycle', *Journal of Thermal Engineering*
- 'Energy and Exergy Analysis of a Hybrid Refrigeration System', *International Journal of Applied Engineering Research*
- 'Optimum Parametric Analysis Based on Thermodynamic Modeling of a Compression Absorption Cascade Refrigeration System', *Journal of Thermal Engineering*
- 'Taguchi-based Grey Relational Analysis Coupled with Principal Component Analyses for Multi-response Optimization of a Hybrid Refrigeration System', *Journal of Thermal Engineering*

Dr. Janardhan Prasad Kesari, Assoc. Prof., Dept. of Mechanical Engineering

- 'Opportunities and Challenges of Using Hybrid Vehicles in India', *International Journal of Engineering Sciences and Management*
- 'Concentrated Solar Heat Integrated with Geothermal Energy for Thermal Energy Requirements in India', *International Journal of Research in Engineering*

Dr. Ruchika Malhotra, Assoc. Prof., Dept. of Computer Science & Engineering

- 'Analysis of Refactoring Effect on Software Quality of Object oriented Systems', *International Conference on Innovative Computing and Communication, New Delhi*
- 'On the Application of Cross-Project Validation for Predicting Maintainability of Open Source software using Machine Learning Techniques', *IEEE International Conference on Reliability, Infocom Technologies and Optimization, Amity University, Noida*

Dr. Rahul Katarya, Assoc. Prof., Dept. of Computer Science & Engineering

- 'Discover Opinion Leader in Social Network Using Firefly Algorithm', *Expert Systems with Applications*
- 'Identification of Opinion Leader in Online Social Network Using Fuzzy Trust System', *8th IEEE International Advance Computing Conference*

Dr. Ram Singh, Assoc. Prof., Dept. of Applied Chemistry

- 'Nanoneuromedicines for Neurodegenerative Diseases', *Nanoscience & Nanotechnology – Asia*
- 'Synthesis, Characterisation and Self-Assembly Studies of Dendron-based Novel Nonionic Amphiphiles', *New Journal of Chemistry*
- Book chapter, 'Therapeutic Potential of Phytoestrogens; *Functional food and human health*', *Springer Nature*

Dr. Shilpa Pal, Assoc. Prof., Dept. of Civil Engineering

- 'Physical Vulnerability Assessment of Buildings Exposed to Landslides in India', *Natural Hazards*

Dr. Sudarshan K Valluru, Assoc. Prof., Dept. of Electrical Engineering

- 'Design and Experimental Implementation of Multi-Loop LQR, PID and LQG Controllers for the Trajectory Tracking Control of Twin Rotor MIMO System', *International Springer Conference on Intelligent Communication, Control and Devices, UPES, Dehradun*
- 'Experimental Validation of Fully Informed Particle Swarm Optimization Tuned Multi-Loop L-PID Controllers for Stabilization of Gantry Crane System', *International Springer Conference on Intelligent Communication, Control and Devices, UPES, Dehradun*

Dr. Deva Nand, Asst. Prof., Dept. of Electronics & Communication Engineering

- 'Operational Floating Current Conveyor based TAM and TIM Shadow Filter', *International*

Conference on Computers and Management, G.B. Pant Engineering College, Delhi

Dr. Paras Kumar, Asst. Prof., Dept. of Mechanical Engineering

- 'Effect of Gear Misalignment on Contact Area: Theoretical and Experimental Studies', *Measurement*
- 'Fabrication and Characterization of Al 6064/Al₂O₃ Metal Matrix Composite', *International Conference on Advanced Materials, Energy and Environmental Sustainability, Dehradun*
- 'A Review on Different Optimization Techniques Used in EDM Process', *International Conference of Advance Research and Innovation 2019, Delhi*

Dr. Rajesh Sharma, Asst. Prof., University School of Management & Entrepreneurship

- 'Breast Cancer Incidence, Mortality and Mortality-to-Incidence Ratio (MIR) are Associated with Human Development, 1990-2016: Evidence from Global Burden of Disease Study', *Breast Cancer*

Dr. Goonjan Jain, Asst. Prof., Dept. of Applied Mathematics

- 'UTTAM: An Efficient Spelling Correction System for Hindi Language using Supervised Learning', *ACM Transactions on Asian and Low Resource Language Information Processing*
- 'Epidemic Spreading based Word Sense Disambiguation of Hindi Text', *International Conference on Communication and Computing Systems, Dronacharya College of Engineering, Gurgaon*
- 'Word Sense Disambiguation of Hindi Text using Fuzzy Semantics Relations and Fuzzy Hindi WordNet', *International Conference on Cloud Computing, Data Science and Engineering, Confluence 2019, Amity University, Noida*

Ms. Divyashikha Sethia, Asst. Prof., Dept. of Computer Science Engineering

- 'Emotion Classification Using EEG Signals', *ACM International Conference. Computer Science and Artificial Intelligence 2018, Shenzhen, China*

Ms. Minni Jain, Asst. Prof., Dept. of Computer Science & Engineering

- 'UTTAM: An Efficient Spelling Correction System for Hindi Language using Supervised Learning', *ACM Transactions on Asian and Low Resource Language Information Processing*

Ms. Navneeta Bharadvaja, Asst. Prof., Dept. of Biotechnology Engineering

- 'Silver Nanoparticles Synthesis from *Plumbago zeylanica* and its Dye Degradation Activity', *Bioinspired, Biomimetic and Nanobiomaterials*

Ms. Sushila Rani, Asst. Prof., Dept. of Mechanical Engineering

- 'Vibration analysis for detecting failure mode and crack location in first stage gas turbine blade', *Journal of Mechanical Science and Technology*

DELTECH MUN '19

The DelTech MUN and Debating Society organised DelTech Model United Nations on 19-20 January 2019. The committees simulated at the conference were - the United Nations General Assembly, the United Nations Security Council, the United Nations Human Rights Council, the National Development Council, and the Secretary General's High-Level Panel on UN Reforms. The Chief Guest was Mr. Sanam Sutirath Wazir, a human rights activist. Students from various schools and colleges participated as Delegates, International Press Members, Executive Board Members and Conference Staff.



DELHI STUDENT CONGRESS

IEEE DTU in association with IEEE Delhi Section hosted the Delhi Section Student Congress in November 2018. The theme of the event was 'Creating History, Shaping the Future'. The Chief Guest was Prof. Subrata Mukhopadhyay, Chair, Asia & Australia Electricity Infrastructure Working Group, with Prof. Perna Gaur, Vice Chair, IEEE Delhi Section and Head of Division ICE, NSUT as the Guest of Honor. DSC included a keynote session by Mr. Balaji Viswanathan, CEO, Invento Robotics, speaker sessions by Mr. Saurabh Uboweja, CEO, Brands of Desire and Mr. Saurabh Jain, Vice President, Paytm. The events included Panache - the Annual General Quiz, SPAVe - an annual competition which consists of business knowledge, guesstimates and case studies, IEEE Women In Engineering Panel Discussion and Student Branch Presentations.



SOCIETY NEWS

NSS volunteers for a cause

NSS DTU organised the **Green Diwali Project** with *Behtar Bharat* in November 2018. Diyas painted by students of *Subhakhshika* were gifted as a part of the donation drive. NSS organised the **Annual Rural Camp** at the *Tarun Bharat Sangh Campus, Bheekampura, Alwar, Rajasthan*. Volunteers engaged themselves in various activities to create a social impact in the village, by discussing the day-to-day problems and issues, regarding child marriage, menstrual hygiene, girls' education, organic farming, and the water harvesting system in the village. Volunteers also installed a solar panel with the help of the village youth.

NSS DTU also organised a **Blood Donation Camp** in association with *BloodConnect* in January, donating 151 units of blood. NSS DTU and **Elixir - Health and Fitness Society of DTU**, organised a yoga session for students on the occasion of National Youth Day.

Rotaract hosts Diwali Mela

In November 2018, the Rotaract Club of DTU Regency organised its annual fundraising event, the **Diwali Mela** where the students participated in various games. The evening concluded with Lantern lighting. Children from *Gyankunj* were invited to spend the day at the Mela. The funds raised were donated to the NGO *HelpAge India for Cancer Care*.

The club also organised weekly visits to *Gyankunj*, an educational NGO, where the club members taught the underprivileged children the basics of Digital Literacy.

CSI organises Workshop

The Computer Society of India - DTU Chapter, organised **Sip and Code: Workshop on Interview Preparation** in January. The instructor was **Manisha Khattar**, Founding Member, *Coding Ninjas*, who covered the necessary topics and gave a quick guide to crack the tech interviews.

Madhurima wins laurels

Madhurima - The Music Society of DTU conducted a Music Workshop by **Karin Shifrin**, *Classical Musician and Opera Singer from Israel*.

The a cappella team bagged the **2nd position** at *IIT Delhi, IIT Kanpur, and IIT Bombay*. **Vinayak Arora** and **Pranshu Kukreti** received the **2nd** and **3rd** positions respectively at the *IIT Kanpur Singing Competition*. **Vinayak Arora** and **Akash Narayan** received a '**Distinction**' in *International Music Examination, Rockscool Grade 8*.

Quizzers of Delhi 42 sweep awards

Delhi 42, the Quiz Club of DTU, organised the **Yuvaan General Quiz**. **Mandeep Vats, Pradhyumna Asthana, and Tanya Kaushal** bagged the **2nd position** in *General Quiz* organised by *IEEE DTU* while **Aditya Kulraj, Ankit, and Bramhdeep Singh Jakhar** stood at **3rd position** for the same.

Ankit and **Bramhdeep Singh Jakhar** won the **Business Quiz** at *IIM Udaipur* as well as the **Election Quiz** organised by The Election Commission and also bagged the **2nd prize** at *LNMIIT Jaipur Business Quiz*.

Ankit and **Rishi Aneja** won the regional finals of the *Jaipuria Quiz League*. **Aditya Kulraj, Ankit, and Bramhdeep Singh Jakhar** won the *BPIT General Quiz* while **Alankrit Tomar, Jorawar Singh Dham, Naval Kishore Sharma, and Rishi Aneja** bagged the **2nd prize** for the same.

Ankit won the **Economics-Business Quiz** at *St. Stephens College* and stood **2nd** in the **Business Quiz** conducted at *Shiv Nadar University*.



Pratibimb attains new heights

Pratibimb organised the **Yuvaan Film Festival** with prominent filmmakers and critics **Abhijeet Dutt, Sucharita Tyagi, Manav Mehra, and Rakhi Chauhan Mehta.**

Pratibimb bagged the 2nd position for its annual street production, '**God Promise**' at *Munadi'19*, the street play event of the theatre fest of *Janki Devi Memorial College* and **Naman Roy** was awarded as the 'Best Actor'.

While the annual street play **God Promise** stood at the 1st position for their performances in *Badlav, Rukmini Devi Institute of Advanced Studies and Taarangna, IGDTU*, and 3rd position at *Reverie, Gargi College.*

They also secured the 1st position at *Navras'19*, the street play event of the theatre fest of *Maharaja Surajmal Institute* and received a 'Special Mention' at *Odyssey'19*, the cultural fest of *IIIT Delhi* for the same.

Pratibimb's annual stage play **Kaumudi** was the finalist at non-competitive finals of *Lady Shri Ram College* and *Saitan Theatre Festival*, where they received much appreciation for their performance from **Keval Arora**, while being aired on **National Television.**

Sahitya wins accolades

Sahitya organised the English Debate Competition, '**Socratic Circle**' and the Hindi Elocution Competition, '**Abhivyakti**' at Yuvaan 2019 and an **Asian Parliamentary Debating Workshop** for students of *Maharaja Agrasen Institute of Technology.*

Moulshree Kumar won the 1st prize in Poetry Slam at *Janki Devi Memorial College, University of Delhi.* **Shubhang Gopal & Vinayak Sharma** secured the 2nd position in **Colloquium - Parliamentary Debate** organised by *Bhaskaracharya College of Applied Sciences, University of Delhi* with Shubhang Gopal being declared the 'Best Speaker' of the tournament.

Siddhant Verma received the 3rd prize at the **Dr. Sarup Singh Memorial Debate, Maharaja Surajmal Institute of Technology.** Sahitya hosted the 6th rendition of '**Guftagu**' - the Open Mic, with the theme of Mental Health aimed at spreading awareness about the sensitive issue through an interactive medium.

DelTech MUN and Debating Society earns laurels

The DelTech Delegation at *Jesus and Mary College Model United Nations 2019* bagged numerous awards. **Sparsh Shubham** and **Dhruv Jain** won the 'Best Delegate' award, whereas **Manas Choudhury** and **Palak Joshi** bagged a '1st Special Mention' and 'Verbal Mention' respectively. At *Jaypee Model United Nations 2019*, **Siddharth Basu** and **Palak Joshi** were awarded the 'High Commendation' and 'Verbal Mention' respectively and **Sankalp Suman** and **Aditi Sharma** received *Special Mentions.*

Team D_Coder 'codes to school'

Team D_Coder launched their educational initiative **Code to School** aimed at creating coding clubs to promote coding culture in schools. They conducted workshops in *Ramjas School, Bal Bharati Public School, Sachdeva Public School, S.D Public School, Govt. S. Co-Ed Vidhyalya, Mount Carmel School, Mira Model Public School, and Ryan International School.*

DTU Supermileage wins big

DTU Supermileage participated in the **Shell Eco-Marathon India** at *Madras Motor Racing Track, Chennai* in December 2018, and clinched the 1st position in '**Urban Concept Gasoline**' category by achieving a mileage of 154km/l. The team won the 2nd position in '**Prototype Battery Electric**' category, achieving a mileage of 171.9km/kWh.

Team Inferno DTU achieves a milestone

Team Inferno DTU completed the university's first Martian Rover prototype, **A.R.G.U.S.**, in December 2018. They competed through various rounds and secured the 7th rank at the **Indian Rover Challenge** at *Manipal Institute of Technology, in January.*

DelTech BAJA soars high

The team participated in the 12th Edition of **BAJA SAE India.** DelTech BAJA's buggy '**DB XIX**' cleared various tests and survived the endurance event for 4 hours. They were ranked among the best BAJA teams of North India, and landed a **Top 20 finish** in the business plan event. With a cost of just 3.4 lakhs, **DB XIX** was one of the most cost effective cars in the competition.



"We cater to a tribe of international Indians."



DTU Times interviewed **Mr. Vikram Singh Hukmani**, MD and CEO, 94.3 Radio One, who was at DTU for the E-Cell E-Summit 2019.

You're living a life any engineer aspires to. What has kept you motivated all the way long?

Education and degree are just a means to an end. It's important to have a good education with respect to what you learn. During our young days, we had limited options. We could do either medicine or engineering. So more learning and education has happened post that. Today's education is much more different, where even a homeschooled child can learn a lot. I've met kids who haven't taken any formal education but learn from the internet. So I think education is an important thing to have, it doesn't matter how you get it.

During your talk you spoke about how radio is still more personalised and relevant as compared to streaming services. So what are the disruptive strategies you have planned so as to let Radio One stay relevant?

It's a simple philosophy that when you look at something differently, you start getting ideas. We don't look at radio as radio, we look at it as forced social media. After 1970s, when radio became popular, it had all the advantages of social media like one-to-one interaction and free expression. On Facebook you might be following travel or cookery pages, we're allowing you to do that on radio too. Our one philosophy and technique to take Radio One further is that we cater to a tribe of international Indians. Our behavior and approach is more tribal in nature, meaning there's always a sense of community and togetherness.

You've been part of a band as well, and you're a great orator. Are you planning to become a radio jockey as well?

RJs can talk for 5-6 hours continuously whereas I can manage only 20-30 minutes. So that is my drawback. I think RJs are very talented and patient to talk for long hours everyday. At music, I have an unfair advantage at music because "Singh" is my middle name!

Every Friday I do a weekend jam on LinkedIn and get a lot of followers for it. So it's has been a good experience till date. I think music has helped me a lot in my business as well. I come to know how people are changing, how music is changing, how listeners are changing. Even though I'm biologically 52 years old, it has kept my mind very young and able to connect back with youngsters.

What final message or word of advice would you like to offer to the engineering students?

I think you guys are lucky in one way and unlucky in one way. You are lucky because you have access to everything now quite easily. The best information, the best people to speak to, and many more things which we never had when we were doing engineering. DTU has great credentials - founders of billion-dollar companies like Paytm, Zomato, PepperFry, all are DCE alumni.

But unfortunately everything that you have access to, so does everybody else. Your access is not unique. So people have to realise that your access is not unique and actually start working towards creating that edge that people may think you have. So a word of praise and at the same time a word of caution.

Read the full interview on dtutimes.dtu.ac.in/blog

DTU Times interviewed **Hamlet Mukuwe**, EE (Zambia), **Fred Kabwe**, ME (Zambia), **Gift Mwale**, ME (Zambia), **Yusuf Ahmed**, SE (Nigeria), **Muna Kabamba**, CE (Zambia), **Bruno Adul**, IT (Kenya) and **Marko Manyang**, SE (South Sudan) on their experiences at DTU.

Why did you choose DTU specifically, over other Universities?

- One of my friends had suggested DTU and since it is ranked right after the IITs, I decided that this would be the best institute for me.

- I have always wanted to specialize in IT, and since most of the IT firms including Microsoft employ people from Asia and especially from India, I decided that I wanted to study in one of the best technological institutes of India.

- I joined DTU because it is known for its infrastructure.

- I have chosen DTU for three reasons, one of them being the location in the main city which combines a lot of cultures, then I looked at the environment, which is really beautiful. The third thing is the ranking, one of the most important things that made me apply here.

How has your overall experience been?

My experience here has been great so far, because I have got more than I expected. The students and our classmates are very social, hence it is easy to interact with them. The professors are helpful which makes it easy to approach them.

How does the education system at your place differ from the one here?

The education system here is more advanced compared to our education system. For example our syllabus structure compared to our education system. For example our syllabus structure compared to Indian structure is totally different. It is a challenge

when you come to study at a foreign place, but we have adapted now.

How do you like the cold weather and what challenges did you face?

Even though it's very cold, we find it better than the summer. In the beginning it was so hot that even breathing felt hard and it felt as if we were suffocating.

The only challenge we face is food. Even though we have found some ways to improvise our food habits, there are still a ton of spicy dishes that we can't eat.

Another thing that is very problematic is the language barrier. As none of us can speak Hindi, it's very difficult for us to go somewhere or talk to the locals. For example, if I want to buy milk, and I don't use the correct term with the correct Hindi accent for milk they wouldn't understand.

All announcements that are made in class, even though they are in English, have a touch of Indian accent to it, hence none of us can comprehend anything. But now we hope to learn Hindi as soon as possible since we would be here for the next four more vital years of our lives, with some of our classmates helping us.

What are your future goals and how do you think DTU will help in achieving them?

To graduate as someone who is successful not only on paper, but also in practice. So far we're doing the practicals in the labs and studying the theory in the lectures. The practicals are what we learn in class, so it is compatible.

Regarding the future, you can pass with a very good result but have an empty experience. So despite the teaching, if we are not doing something worthwhile apart from what we are being taught, we can end up just getting a degree without experience. So we need to focus on getting a degree as well as experience.

Read the full interview on dtutimes.dtu.ac.in/blog

"We need to focus on getting a degree as well as experience"



STUDENT NEWS

RESEARCH PAPERS PUBLISHED AND CONFERENCES ATTENDED

Mayank Kumar Mittal, M.Tech., ISY, 2nd Year

- 'Search engine optimization using white hat techniques', *IEEE International Conference on Advances in Computing, Communication Control and Networking*.

Neha Kirar, M.Tech., ISY, 2nd Year

- 'A Survey on Adaptive Cloudlet Placement Methods for Mobile Applications in Wireless Metropolitan Area Networks', *IEEE International Conference on Advances in Computing, Communication Control and Networking*.

Ghanvir Singh, B.Tech., COE, Class of 2018

Ashwin Misra, B.Tech., COE, Class 2018

- 'Fatigue Analysis of Sundry I.C Engine Connecting Rod', *International Symposium on Fusion of Science and Technology-2018, Thailand*.

Harsh Dabas, B.Tech., COE, Class of 2018

- 'Emotion Classification Using EEG Signals', *2nd International Conference on Computer Science and Artificial Intelligence, Shenzhen, China*.

Mrudang Mathur, B.Tech., ME, Class of 2018

Nehal Amit Jajal, B.Tech., ME, Class of 2018

Sushrut Kumar, B.Tech., ME, 3rd Year

Vishesh Kashyap, B.Tech., ME, 3rd Year

- 'Design and Development of a Smartphone-Based Particle Image Velocimetry System', *71st Annual Meeting of the American Physical Society Division of Fluid Dynamics, Atlanta, Georgia, USA*.

Aarushi Mann, B.Tech., ECE, 4th Year

Naman Malhotra, B.Tech., ECE, 4th Year

- 'Adaption of Power Gating in Positive Feedback Adiabatic Logic Circuits', *International Conference of Advanced Research and Innovation 2019, Institute of Engineers, Delhi*.



Akash Kumar, B.Tech., ECE, 4th Year

Sagnik Bhowmick, B.Tech., ECE, 4th Year

- 'Improving Landmark Recognition using Saliency detection and Feature classification', *2nd Workshop on Digital Heritage, 11th Indian Conference on Computer Vision, Graphics and Image Processing, IIIT Hyderabad*.

Akash Kumar, B.Tech., ECE, 4th Year

- 'Bird Species Classification using Transfer Learning with Multistage Training',

3rd Workshop on Computer Vision Applications, 11th Indian Conference on Computer Vision, Graphics and Image Processing, IIIT Hyderabad.

- 'IceBreaker: Solving Cold Start Problem for Video Recommendation Engines', *MR2AMC Workshop, 20th IEEE International Symposium on Multimedia, Taichung, Taiwan*.

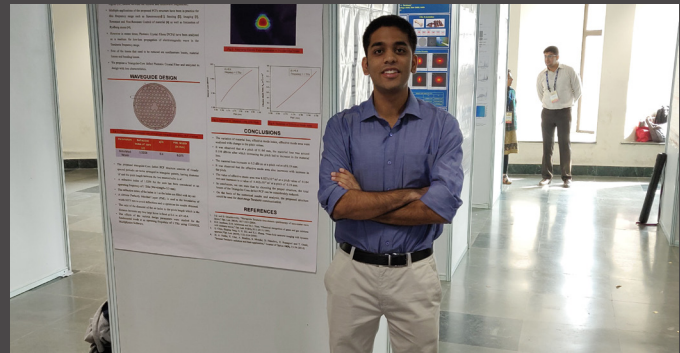
Animesh Verma, B. Tech., EP, 4th Year

Mrinal Pandey, B. Tech., EP, 4th Year

- 'Luminescence and its Applications (ICLA-2019)', *School of Studies in Physics and Astrophysics, Pt. Ravi Shankar Shukla University, Raipur*.

Alankrit Tomar, B.Tech., EP, 4th Year

- 'Triangular Core Photonic Crystal Fibre for Terahertz Communication', *Photonics Conference, IIT Delhi*.



Kanika Mohan, B.Tech., CE, 4th Year

- *RAD@Home E-Astronomy Camp, Nehru Planetarium, Mumbai*.

Shashwat Singh, B.Tech., ECE, 4th Year

- 'Precision Capacitance Multiplier with Low Power and High Multiplication Factor', *International Conference on Advanced Research and Innovation, Institute of Engineers, Delhi*.

Ashima Suvarna, B.Tech., COE, 3rd Year

- 'Judging and Generating Gender Clues for Occupation De-biasing in Text', *Fairness, Accountability and Transparency Initiative - Asia, Hong Kong*.

Daksh Dobhal, B.Tech., EE, 3rd Year

- 'Experimental Validation of Fully Informed Particle Swarm Optimization Tuned Multi-Loop L-PID Controllers for Stabilization of Gantry Crane System', *3rd International Conference on Intelligent Communication, Control and Devices, Dehradun*.



Ronak Sakhuja, B.Tech., COE, 3rd Year
Samarth Gupta, B.Tech., COE, 3rd Year
Sarthak Kalyal, B.Tech., COE, 3rd Year

- 'Object Detection in Foggy Conditions by Fusion of Saliency Map and You Only Look Once (YOLO)', 12th International Conference on Sensing Technology, University of Limerick, Limerick, Ireland.



Shreya Gupta, B.Tech., SE, 3rd Year

- 'Neural Correlates of Face Recognition using Machine Learning Approach', First International Symposium on Computer Vision Machine Intelligence and Medical Image, Sikkim.

Abhishek Sharma, B.Tech., ENE, 2nd Year
Aditya Kumar, B.Tech., CE, 2nd Year
Deepika Sharma, B.Tech. (Eve.), CE, 2nd Year
Kartik Sharma, B.Tech. (Eve.), CE, 2nd Year



- 4th International Go-Green Summit, Kuala Lumpur, Malaysia.

Jyoti Kumari Yadav, B.Tech., CE, 2nd Year
Nutan Yadav, B.Tech., CE, 2nd Year

- 'Case Study on Air Pollution and Pollutants', 4th International Go-Green Summit, Kuala Lumpur.

Garavandala Uday Sai, B.B.A., 1st Year

- 'Doing Capitalism in the Innovation Economy-Dr. William H. Janeway', Dean's Series Conference, Indian School of Business, Hyderabad.

AWARDS AND COMPETITIONS WON

Mayank Kumar Mittal, M.Tech., ISY, 2nd Year
Neha Kirar, M.Tech., ISY, 2nd Year

- Top 20 Best Healthcare Solutions, GE Precision Healthcare Challenge, Hackathon 2018.

Hanumant Kothiyal, MBA, 1st Year
Mehul Agrawal, MBA, 1st Year

Sukriti Kanwar, MBA, 1st Year

- Winner, Nitisangram - All India Marketing Event, Shri Ram College of Commerce, Delhi.

Ayush Chaturvedi, MBA, 1st Year

- Best Speaker, District Youth Parliament, Ministry of Youth Affairs and Sports



- Winner, EduCBA Corporate Finance Aptitude Test.

Mehul Agrawal, MBA, 1st Year

- Winner, Vaak Yuddh - Parliamentary Debate, DSM, DTU.

Harsh Dabas, B.Tech., COE, Class of 2018

- Winner, Best Paper Presentation, 2nd International Conference on Computer Science and Artificial Intelligence, Shenzhen, China.

Tanushree Ghosh, B.Tech., PSCT, 2nd Year

- Goswami Brothers Alumni Award.

INTERNATIONAL INTERNSHIPS AND SCHOLARSHIPS AWARDED

Anirudh Goyal, B.Tech., ECE, 3rd Year

- Cargill Global Scholar 2018.

Anish Sachdeva, B.Tech., MCE, 3rd Year

- CERN Technical Student 2018.

Kshitij Bansal, B.Tech., ME, 3rd Year

- OP Jindal Engineering and Management Scholarship 2018.



Myth and history are often propositioned as antipodes of each other. A myth is believed to be fiction, an artwork of one's ideologies and faith, or worse, one's perspective of a situation. History is the most *realistic* fiction, based on how the mythical 'facts' were rescued and instrumented upon. A dichotomy between reality and mystic histories suggests that we perceive history as a gratifying illusion of the present.

Mythology constitutes an important segment of history that, no matter made up of countless fallacious myths, constitutes the reality that has been presented to us. The myths that a city is built on, now echo the woes of the mankind that it once carried, between the walls of uneven and unreflective bricks.

While the urban surplus drowns the *ordinary* secrets of the metropolis, the reality is trapped in between the concrete jungle of the skyscrapers. The reality gradually unfolds only when a parallel analogy is instituted between the mythic realities and the *ordinary* secrets of history. Reality is established when you eavesdrop the screeching sounds of the tale of lost humankind, by walking between the walls of monuments smeared with a grey not of its kind.

The revival of a city in its truest form is thus essential to Rise above Reality which greys the line between antiquity and actuality.

-Priyansh Soni, 2nd year, SE

MYTH, HISTORY AND REALITY

ADVANCING TECHNOLOGY, ALTERING REALITIES

-Karan Singh Bora, 2nd year, EE

Imagine yourself squatting beside a fire, out in the open beneath a starry sky, waiting for dinner to cook, dinner which you hunted in the afternoon with your now blunt dagger, being whetted by you in preparation for tomorrow's hunt. This might have been a reality about a million years ago. However, all you have to do now is touch buttons on your mobile to get your meal delivered to your cozy home as you lie in the comfort of your mattress, browsing the internet, watching T.V. or just listening to some tunes.

The colossal difference in both scenarios could only be possible with the advancements in science and technology. Be it the shift from crude



tools to manufacturing machines or wooden fires to electric heaters and LED lights, daily breakthroughs in the scientific world are enhancing and virtually changing our realities for a more comfortable future as we know it.

Broadly speaking, this progress can be termed as exponential, as we have improved more in the last decade than in the last century. The rate of this change is enhancing day by day and

increasing the generation gap with it. Older people often feel disconnected to their younger generation, who seem to be living in different realities and have contrasting priorities in life, often owing to the ever-advancing world with constantly changing needs. Every one of us needs to try and stay connected in these fast-paced times, prioritize our loved ones and family's expectations, and maybe rise above them.

An Empire of Hope

Anushka Sharma, MAM, 2nd year
Mihir Ranjan, EE, 1st year

"It's alright."

I'm sure all of us would've heard these two words too many times. It might've been when you didn't live up to their expectations, or much worse your own. Or it might have been when you kept on trying, but failed to succeed.

And yet here we are to say it again: *It's alright. It'll get better.*

Have these words lost meaning yet? Mankind craves what is rare; it strives to have the belle of the ball. Give humans something in abundance and they will fail to appreciate its worth. Having heard these phrases so often, you might just say you agree with me, but internally I know you feel like I don't understand, like no one does. You feel like no one has ever been where you stand, like you're alone in this river of a world and the current is against you, pushing you towards the inevitable waterfall.

Things don't always turn out to be like we would've liked them to. Don't beat yourself up over it. If you get a 9 GPA in the very first semester, you might get complacent and end up scoring an 8 in the next one. It is fine to start off slow, as long as you're slowly and steadily moving forward, as long as you can look at your graph with a slope that is positive.

Push yourself beyond limits, try harder than ever before but when the results come out, do not lose hope.



It's more than just a concert!

Anjali Singh, CE, 3rd year

Being all of 21 means I have seen 21 Diwalis, Christmases and the festivals celebrated in India. Blame it on my memory - I don't remember exactly how excited I was for my 1st Diwali, but I am pretty sure that every year, I have the same level of excitement for it. Reason? The little, very typical things of Diwali that I get to do only once a year are what make me wait, year after year, for the same festival.

For this very reason, I don't believe people saying "I've seen enough of Engifest in my first year and have grown weary of it!" Although the word 'fest' suddenly flashes the images of lit-concerts and a decorated campus, but just like the little joys of Diwali, Engifest too holds a special place for the little moments that I know will surely come with it.

Being a Delhi girl (apologies for stereotyping!), I keep waiting for occasions to try the latest piece of clothing that I bought. And what better time than the fest, when the roads turn into ramps and your apprehensions of being overdressed go away!

One side of the fun is being the organizer of a fest like this. The 'crew' outfits, walkie-talkie in hand and the mere realization of shouldering a responsibility so huge gives an adrenaline rush to most!

Instagram can make even the ordinary look extraordinary, but aren't those moments the best that don't need a filter to look amazing? It's moments like these that make me wait for Engifest, year after year!

ILLUSIONS

Pratyush Thakur, COE, 3rd Year

Srishti Mittal, PSCT, 2nd Year

I open my eyes to a wildly comforting sight. Snuggled up in my bed, I can see my girlfriend Natasha, already up and about. I look out of the window to see a lush green meadow; it's a bright sunny morning, sunnier than I've ever seen. Pleased with the sight I see, I quickly have my breakfast with her and hurry to college.

The college seems more vibrant than ever; I can see groups of people milling about all around the campus with small packets of intimacy dotting my surroundings. I feel a small pang of loneliness, but it quickly dissipates; I can see my friends at our usual meeting spot. I smile, mostly out of relief. I slide onto the bench next to them, but I'm careful not to touch them.

Careful not to shatter the illusion.

They're laughing and smiling, and they look at me as if I mean something to them, as if I belong. At times like these, I'm almost content with my life. If only I could forget.

It's nearly afternoon now, I'm deep in conversation with my best friend when a girl walks by, gives me an odd look, and hurries on her way. I shrug to myself, only slightly unsettled. I'm used to it now; the stares, the whispers, the pity. I'm used to being treated like a pariah. I can ignore them, as long as -

'BATTERY RUNNING LOW!'

Bold red letters flash across the visor of my VR glasses. Panic creeps into my heart unannounced, slithering from the depths of my personal hell. I can see Natasha flickering five feet from me, and I grab her in desperation; my fingers go right through as she vanishes. My friends dissolve, and even the weather seems to change; the day darkens, the sky clouds over. Defeated, I take off my glasses.



I'm sitting alone on the bench, just like every other day. There's no Natasha, there are no friends, it's just me and my thoughts, always have been. Over the years, these glasses have become my only friend, my only escape from the real world. I've never known true companionship, the glimmer that everyone seeks. As I look around myself, I acquiesce that it's never going to happen. A solitary tear traverses my cheek as I charge my VR because let's admit it, we all need illusions to live.

Other Collective is a media platform run by the students of the **University of California, Davis**. Highlighting the culture and issues of the citizens and diaspora of Central, South and West Asia as well as North Africa, it aims to dismantle stereotyping and encourage the representation of regional identities.

RISE ABOVE REALITY

- Radhika Marwaha, Finance Manager,
Other Collective

I was so excited to meet her again...
"God bless you, Radhika" she said
As I held the door open for her,
The most inspiring Biotechnologist I've known
One, who passionately works a 9-5 job in her
60s...

"How are you, *Bibi*?" I asked as I fished for a smile
On a face that has never seemed to have had so
many wrinkles,
Could so much have changed in the year I was
gone?
"We're leaving to America, *bachhe*" she said
quiveringly,
And coldly, I realize I live there too, now...

"I got a job," she said, faking enthusiasm from 4
decades ago,
My heart sunk as an image of her struggling
In the white landscape of Boston flashed in front
of my eyes
"*Bibi*, are you sure you want to go?"
Her wet eyes told me: I want to be with my kids
before I die...

Her children, now well-settled Doctors,
Once slept yearning for her *kheer*,
While having feasted on a Granola bar,
Would it be the same after all these years, I wonder
Or was *Bibi* going to America, only to raise another
generation...

Was this Old Lady going to get the respect she
deserved,
The love she desired, and the honour she
commanded?
Or was she about to be thrust way above her
reality?
I crossed my fingers as I hugged *Bibi* for what
could be the last time,
Remembering the farmer in the Californian
gurudwara
Who longed for his sacred land...

Cursed

- Saranjit Uppal, Features Editor, Other Collective

The women born into my family do not last
We are rare and wilting.
Our blood runs thinner and our hearts shrivel so
quickly;
We last only so long because we are so pained,
And so cursed,
And we do not know how to make it last.

My grandmother's three daughters are all dead.
Babies lying motionless in a cot made of bright red
blood and harsh tears and soft warm cloth.
They were born dead and hanged until their last
breath was choked out of them.
A generation of women wiped away like the coal on
our fingers, fading, fading, gone, dead.

We are barely seen, barely heard,
Barely remembered, barely here,
My fingers tremble with the weight of the dead
before me.

There are no women born of my family name; no
ancestors left
That have birthed tiny pink screaming girls wrapped
in handmade shawls from cotton picked By their
Mother's hands.
Screaming alive for their dead before them who left.

*Is this death, is this it, are we dying, is that blood, is
this all we have left?*

But beyond me lives again, past my lifetime of bruises
and heartaches, are three small, confused, tiny,
perfect little girls.
Three little girls, in sweet dresses and angry *kameez*
and hair a mess and perfectly straight. Three little
girls who are laughing and crying and punching and
kicking and breathing.
They are four and five and six months old.
They are here.

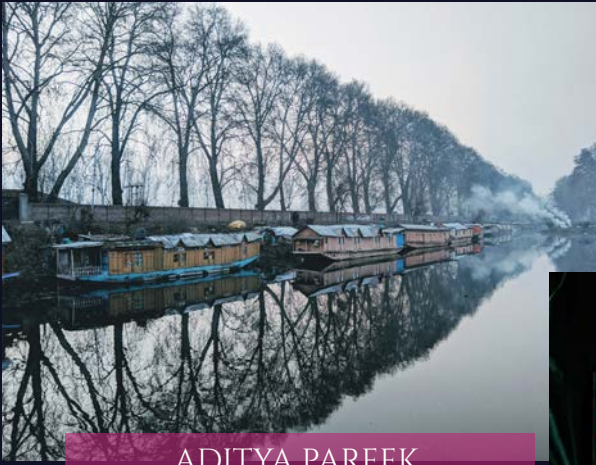
Our past is tragic,
And our blood already split.
But maybe, maybe our future will not be so.

ESPERANZA

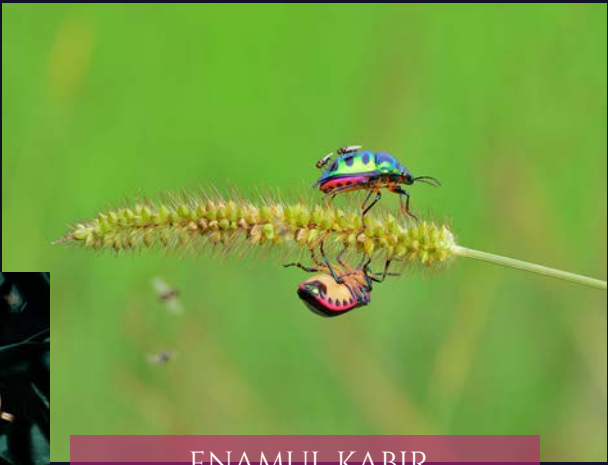


Esperanza - The Online Winter Photofest of Delhi Technological University was conducted by DTU Times in December 2018. With over 250 entries from across India, the event scaled new heights. The themes were - **Travel, Portraits, Street, Macro, Black and White, City/Architecture, Food, Nature/Wildlife, Special Effects, Minimalism, and Aerial.** Renowned photographer **Arjun Menon, Founder, Art Leaves a Mark** was the judge of the contest.





ADITYA PAREEK



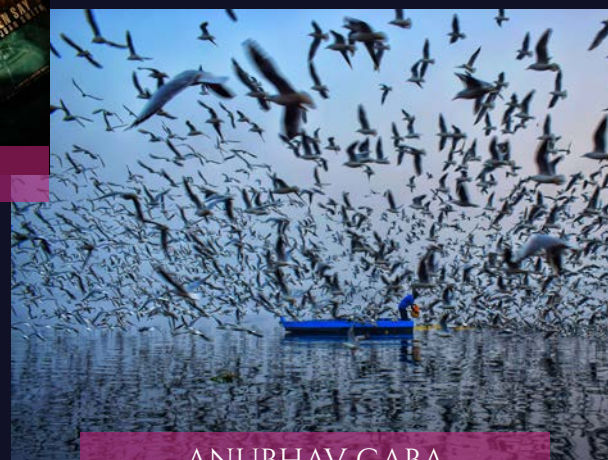
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A CV encapsulates a person's skills and abilities. Keeping it nice and presentable can go a long way to increase their chances as a prospective employee. Here are some tips to help attain a great CV.

EXPERIENCE

A Common Basis

Every CV must follow some basic tenets that make it a reliable source of information. They may sound obvious at first glance but are not followed as often:

- *Frequent updation*: Having a recent CV saves time when opportunity strikes.
- *No lies*: Adding over-the-top points may seem tempting, but they invite embarrassment and reduce credibility in the long run.
- *Utilize formatting*: Make bullet points. **Highlight** or **bolden** keywords. This underscores the essential points.

The Less Obvious Things

- Avoid large empty stretches of time in the middle of a CV. These gaps can be filled up with the experience gained during that span. Maintaining a positive note throughout, regardless of personal failures improves the general aura of a CV.
- Edit text to be concise and to the point. Run a spellcheck. Double check for errors. All this, and more, can be done to ensure that a CV is a bulletproof piece that can stand the unfaltering scrutiny of even the pickiest interviewers.

EDUCATION

Delhi Technological University — A Reputable Degree

- For students and recent graduates, overall academic grades & standings should invariably make way into their CV.
- Not every leadership role held during University can make the cut into a CV. A brief and succinct history is appropriate.
- Points which resonate the most with the job description should be included. This section should highlight major academic achievements

PROJECTS

Don't drag it on — Unnecessarily

- Having plenty of projects to write on a CV is great, but it's important to know when to stop. Save something for the interview! Conversely, if there isn't enough to write, embellishing it unnecessarily does not bring major benefits.

The end? — A Misconception

- A frequent mistake is thinking that a CV is the be-all and end-all solution to getting hired — it isn't. Not all soft skills make it into a CV, despite being key to teamwork and leadership roles. These skills need to be developed separately, and though can be indicated in a CV, they must be apparent through the candidate's demeanor during an interview.

The Perfect CV

Pratik Anand, COE, 2nd year
Srishti Mittal, PSCT, 2nd year

SKILLS

Job descriptions are a quick way to gauge what skills are required.

A CV should be edited accordingly, bringing the needed skills upfront.

For example, making separate CVs for tech and non-tech profiles is a good place to start, further editing it for subprofiles.

POSITIONS OF RESPONSIBILITY

Know the difference between a PoR and Experience. The Experience section is a testament to an individual's abilities; a PoR exhibits leadership and management skills.

Add figures. By indicating exactly what the prospective employee brings to the table, and how much of it, they make their CV more informative. 'Increased Sales', can be replaced with 'Increased Sales by 30%'.

HIGHLIGHTS

Just like skills, the awards won should be listed such that they accentuate the rest of the CV.

Usually, there are little restrictions on the format of a CV. But sometimes employers provide a fixed format.

Using key buzzwords and proper highlighting become even more important in making a CV stand out from the rest in such a case.

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