

# 40



**DTU**  
TIMES

## Many Paths One Journey

### Interviews

Manoj Joshi  
Laxmi Agarwal  
Mukul Kanitkar

### Pulse

Travel by DTC  
The Finish Line  
Homecoming

### Events

East Campus Inaugural  
Freshers' Week  
ICAPIE '17



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## | EDITORS' NOTE |

Movement is perceived to be the most characteristic element of life - it is alive if it moves, it is not if it doesn't. When small motions occur simultaneously, forever in pursuit of distant purposes, that's when life comes to mean something. We call this process, a 'journey'.

Today, the destinations that we can choose to reach are widely varied. Look around you, and you'll see every organism chasing something or the other, be it a dream job or a dreamy life partner, a better grade or the new Escalade. The best thing about this is that most people usually achieve something that they chase for long enough. Hence, it matters not whether you achieve it or not - all that matters is the path you take to achieve it.

An organism like DTU Times too does its fair share of chasing. It all starts from gathering of resources and ideas, which culminates with a new thought to bring out on paper. That new thought finds its output through sharp nibs and sharper witticisms of our writers, who look to create a piece that can provoke the selfsame thought. The highs and lows of college and its inhabitants, the quirks of the university, the news and deeds that require attention are all collected and coagulated. From the first word to the last print, we see a journey that we undertake, bringing forty pages to life.

The inanimate copy that you hold in your hand now itself undergoes a journey no less profound. Starting off as a huge roll of white paper, it is meticulously stained by the ink that carries the culmination of the journey the DTU Times team goes through for each edition. It is then cut, dried, bound, packaged in unassuming brown paper, and sent on its way on a green tempo, powered by compressed natural gas. All we're going to say is that in the end, it takes *a slight left onto Bawana Road, then its destination will be on the right*, according to Google Maps. On receiving the bundles, we manually lift them up countless flights of stairs (6 segments, to be precise), to where it is stored. It then switches hands from us, to you the reader, then to the next one who will pick it up after you leave it unceremoniously on the table at Nescafe, and so on, till it finds its place in a recycling plant. This fate is not sad, though, for it is well aware, that like any animate organism, its body will fail in the test of time, but its soul will remain in your memories forever.

This edition is another small movement towards greater heights and planes of imagination and through it, we mark the celebration of the 40th such journey that we have embarked upon, one that celebrates the spirit of the journey itself - the spirit of life itself.

We hope it gives you life as well.

# FROM THE DESK OF THE VICE CHANCELLOR



Delhi Technological University is a premier institution of higher learning, consistently the choice of top rankers in the JEE Mains examination. This year onwards, DTU also enjoys being one of the most sought after Indian Universities by students from across the globe, with pupils from countries like Ethiopia, Kenya, Zimbabwe, Mauritius and Uzbekistan taking admission in all our prestigious programs.

I am proud to announce the inauguration of the University School of Management and Entrepreneurship (USME) at the East Campus of DTU, the ceremony for which was graced by **Mr. Arvind Kejriwal**, *Hon'ble Chief Minister, Delhi*, **Mr. Manish Sisodia**, *Hon'ble Dy. Chief Minister, Delhi*, and several other dignitaries. The USME, located at Vivek Vihar, will be running managerial and economics courses at the undergraduate and graduate level.

The ongoing placement season has made the University reach new milestones. Students have received placement and internship offers from some of the most renowned companies of the world including Adobe, Amazon, Expedia, Texas Instruments, Qualcomm, Citibank, McKinsey, and Samsung.

DTU also organised several noteworthy conferences and events such as ICAPIE '17, which brought together academic talent and industry expertise to discuss the current challenges in the Mechanical Production and Automation Industry. The Department of Electrical Engineering organised an MHRD-sponsored GIAN course with **Prof. Chanan Singh**, *Regents Professor and Irma Runyon Chair Professor, Texas A&M University*, as the instructor.

The newly elected Student Association and Cultural Council of the University have been working on multiple initiatives for the students. The incoming freshers received a warm welcome from the University and to celebrate life at campus, the Freshers' Week was successfully organised with much pomp and splendor.

On the research front, faculty members of the University along with the students have been working incessantly to employ technology for the betterment of our society, with a number of research papers being published in leading journals and conferences in India and the world. Many faculty members have been granted research projects from various funding agencies.

Finally, I would like to congratulate the team of DTU Times on the successful publication of their 40th edition. The team has come a long way since its first publication in 2009, and has been able to create and foster a knowledgeable community. I would like to appreciate the tireless efforts put in by the entire team, both for the quarterly publication, and creating an informed community on various social media platforms.

- Prof. Yogesh Singh



# DTU EAST CAMPUS



The inaugural ceremony for the East Campus of DTU was held in August, 2017. The event was graced by **Mr. Arvind Kejriwal**, Hon'ble Chief Minister, Delhi, **Mr. Manish Sisodia**, Hon'ble Deputy Chief Minister, Delhi, **Mr. Ram Niwas Goel**, Hon'ble Speaker, Delhi Legislative Assembly, **Ms. Punya Salila Srivastava**, Secretary, Dept. of Education, Delhi Government, **H.E. Asfaw Dingamo Kame**, Ambassador, Federal Democratic Republic of Ethiopia, **Prof. Yogesh Singh**, Hon'ble Vice Chancellor, DTU, **Prof. S.K. Garg** and **Prof. Anu Singh Lather**, Hon'ble Pro Vice Chancellors, DTU, members of the bureaucracy, the management, faculty, parents and newly-admitted students.



The event began with the laying of the foundation stone of the East Campus by the Chief Minister and the Deputy Chief Minister. This was followed by the ceremonial lamp lighting, and addresses of the dignitaries, who spoke about education and the path ahead for education in India. The Deputy Chief Minister also announced many future projects the government is planning to take up in the field of education, including further expansion of DTU and diversification of degrees.

B.A. (Hons.) Economics, B.B.A., and M.B.A. degrees will be offered at the University School of Management and Entrepreneurship at the East Campus.



“People being educated in a country, I think, is a necessary and sufficient condition to make a country developed.”

•Mr. Arvind Kejriwal, Hon'ble Chief Minister of Delhi

“DTU is one of the few Universities that have prioritized education over ceremonial formalities such as inaugurations.”

•Mr. Manish Sisodia, Hon'ble Deputy Chief Minister of Delhi



# The Bulletin



## Hon'ble CM's Visit

The Hon'ble Chief Minister of Delhi **Sh. Arvind Kejriwal** visited DTU in August, 2017 along with Dy. CM **Sh. Manish Sisodia**, and took stock of various entrepreneurial and technological ventures of the University. He interacted with several societies and teams such as CASRAE, Inferno, UAS-DTU, AUV-DTU, Team Defianz, Team Raftaar, DTU Altair and Enactus DTU. He also visited the incubation centre and interacted with startups incubated in DTU, including Super Hydro Products, Getwings, Black Door Entertainment and Libellus Infomedia. The event was also graced by the Hon'ble Vice-Chancellor and the University management and faculty.

## Capacity Building Tour

A **Capacity Building Tour** was organised by **Indian Army** in September, 2017, as a part of which the Tiger Hill Brigade interacted with **Prof. Yogesh Singh**, Vice Chancellor, DTU and **Prof. S. K. Garg**, Pro Vice Chancellor, DTU. Young army men from Ladakh explored the campus and visited the labs and the library.



## Three-Day Workshop

**King's College London** and the **Department of Applied Physics**, DTU organised a three-day workshop on the "Fundamentals of Radiological Source Security" in the Exposition Hall in September, 2017. The workshop included lectures, seminars, real life case studies and detailed table-top exercises intended to introduce participants to threats posed by non-state actors and how security measures can be used for mitigation and to support development of new training programs in this area.

## New Faculty Orientation Program

DTU organised an **Orientation Program** in September, 2017 for all newly-appointed faculty members in the Smart Classroom. A lecture was delivered by **Prof. I. K. Bhatt**, *MNNIT Allahabad* and former Director, *Malaviya National Institute of Technology, Jaipur*. **Prof. Yogesh Singh**, Vice Chancellor, DTU and **Prof. S. K. Garg**, Pro-VC, DTU welcomed the new faculty members. Prof. Bhatt enlightened the faculty members about effective teaching methods to engage their students.

## Programs by Central Library

**Central Library** organised a **Book Exhibition** in the Library premises in August, 2017. Fifteen leading publishers, including the Oxford University Press, Wiley, Pearson and Cambridge University Press participated in the Exhibition. It also organised a five day workshop titled "**E-Resources: A Gateway for Research, 2nd Edition**" in September, 2017. During the workshop, experts of databases being subscribed by DTU gave their presentations explaining how to browse and utilise these databases for research.



## GIAN

**Department of Electrical Engineering**, DTU organised a MHRD-sponsored GIAN Course on "Recent Trends in Power System Reliability Evaluation: Models, Statistical Methods and Applications" in October, 2017. **Prof. Yogesh Singh**, Vice Chancellor, DTU was the patron. **Prof. Rachana Garg**, Associate Head, EED served as the course coordinator and **Prof. Madhusudan Singh**, Dean Academics (UG) and Head, Department of Electrical Engineering, DTU, was the local coordinator of GIAN DTU. **Prof. Chanan Singh**, Regents Professor and Irma Runyon Chair Professor, Texas A&M University, Texas was the instructor for the course. **Department of Electrical Engineering**, DTU organised an MHRD-sponsored GIAN Course on "Emerging Cutting Edge Technologies in Advanced Electrical Machines and Drives: Design & Performance Issues, Fault Diagnosis, Failure Prognosis and Mitigation" in November, 2017. **Prof. Elias G Strangas**, Professor, Michigan State University, East Lansing, USA conducted the course.

## Fund Instituted in the Name of Mr. Hari Chand Batra

The University received ten lakh rupees as donation by the name of the **Late Mr. Hari Chand Batra**. Mr. Batra, a DCE

alumnus, was a self-made man. Being born into crippling poverty, having barely enough to study, he did odd-end jobs to get through college. He quickly rose through the ranks in his professional life before getting into his dream company, General Electric. The donation was made by his wife **Smt. Shashi Batra**, and graciously accepted by **Prof. Yogesh Singh**, Vice Chancellor, DTU.

## DTU at UDGHOSH 2017

DTU performed exceptionally well at **Udghosh**, the annual sports fest of IIT Kanpur, organised in October, 2017. The **Men's Football team** clinched a gold medal, becoming the only team to grab a gold from the University this year. Another unbeaten performance was put up by **Pratyush Kanwat** in Powerlifting, adding to the gold medal count. The **Men's Basketball team** and the **Men's Lawn Tennis** team bagged silver medals. **Shubham Negi** also grabbed a silver in Athletics. The Women's Basketball and the Men's Handball team missed out on medals, making it to the fourth position.

## Programs by ECE Department

The Department of Electronics and Communication Engineering has conducted the following programs in association with IEEE DTU Student Branch, under the guidance of **Dr. Jeebananda Panda**, Associate Professor and Branch Counsellor of IEEE DTU.

1. Motivational talk on 'Self Governance for Good Governance' on 19th September, by **Dr. Mohit D Gupta**, Professor of Cardiology, GB Pant Hospital, New Delhi.
2. Invited expert lecture on 'Artificial Intelligence based Safety and Design Practice in Autonomous Driving' on 4th October by **Mr. Animesh**, Head of Group on Perceptual Computing and Principal Engineer, Intel Corporation, USA.
3. Two-day workshop on 'Hardware Interfacing and Internet of Things (IoT), Artificial Intelligence and Machine Learning in MATLAB' on 11-12th October, by **Mr. Akhilesh**, Engineer - Technical Support, DesignTech Systems Ltd.

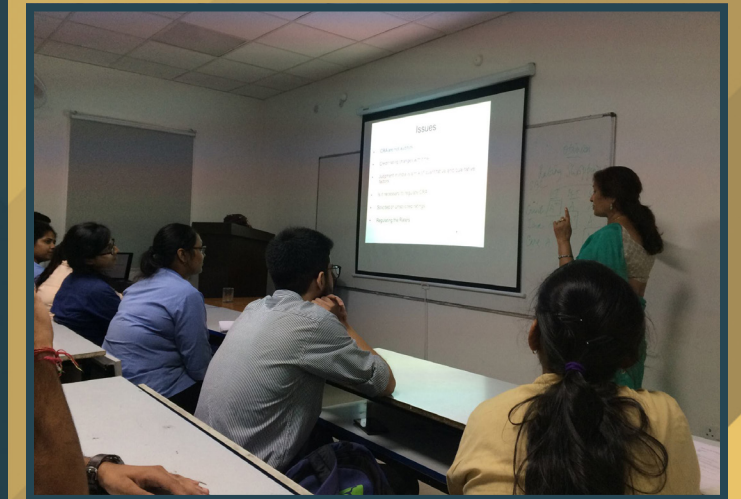
## Sahaja Yoga

The DTU Students' Association organised a session on Sahaja Yoga in the B. R. Ambedkar Auditorium in October, 2017. The session was held by **Mr. Nischal Kapoor**, Vice President, IBM, USA, **Mr. Dinesh Rai**, former Chairman, WDR, Government of India and **Mr. Harvinder Singh**, Country Director, United Airlines.

## CASRAE

CASRAE was invited to Constitutional Club of India to showcase its work in the Biofuel sector. A guest lecture on 'Recent Trends in Diesel Engine Technology' was conducted by **Mr Vijay Tharad**.

# East Delhi Campus



**Mr. Rahul Jain**, Licensee, Leadership Management International India and founder-director of Bizwiz Learning delivered a talk titled 'Lead Yourself to Win' in September, 2017.

**Prof. Madhu Vij**, Faculty of Management Studies, University of Delhi delivered a guest lecture on the topic 'Rethinking the Relevance of Credit Rating Agencies' in September, 2017.

**Dr. Ranjeet Mehta**, Principal Director at the PHD Chamber of Commerce and Industry, New Delhi delivered a lecture on Relational Leadership in September 2017.

**Mr. Sanjay Diwan**, Senior Manager at Positive Momentum and President of the DP-DCE-DTU Alumni Association delivered a talk on Positive Thinking in October, 2017.





# WELCOMING FRESHERS

DTU Cultural Council organised the **Freshers' Week** from 9th to 13th October, 2017. The week was packed with exciting events for the enthusiastic freshers. The five-day extravaganza started with informal events organised at Amul and Civil Raised Platform and later, the OAT was rendered dense with freshers, for a movie screening.

The informal events continued on the second day with the **Cultural Train**. It also featured performances by standup comedians of DTU, who left the audience in splits. A spectacular ethnic night was organised on Day 3, which saw students sway to dandiya beats. Thursday began with the celebration of a symbol of Indian freedom and self-dependence- Khadi. The **'Sankalp for Khadi'** saw students participate in numerous events ranging from slogan writing to a fashion show.



**'Chanakya'**, a play based on the ancient Indian play Mudrarakshasa, was also organised at the Dr. B.R. Ambedkar Auditorium on the last day. It included a memorable performance by National Award winner **Manoj Joshi** in the titular role. The week ended with the much-awaited **Freshers' Night** which was organised at the OAT. Students gathered to watch mesmerising performances by various dance and music societies of DTU. Shortlisted candidates from the incoming batch of 2017 also participated in the Mr. and Ms. Freshers' pageant, which tested their skills and gave competitors a wonderful platform to showcase their talent. They also competed for the titles of Mr. and Ms. Popular. The winners were awarded goodies by the sponsors.





# EAST CAMPUS FRESHERS'

The first event after the inauguration of the **East Campus** of DTU was the **Freshers' Party** for the newly admitted students, held at B.R. Ambedkar Auditorium, DTU in September, 2017. The Bollywood-themed party saw a colourful dance extravaganza choreographed and presented by the students of the East Campus in the presence of faculty, staff and management.

The latter part of the ceremony was the **Talent Show**, which included presentation of titles to students on the basis of their talents, presentation and confidence. The event ended with an informal dance in the auditorium.



# ICAPIE 2017

The **2nd International Conference on Advanced Production and Industrial Engineering (ICAPIE 2017)**, was organised by **CAPIER, Department of Mechanical, Production and Automobile Engineering** in October, 2017, with the aim of bringing together academic talent and industrial expertise to stimulate discussions on the current challenges in industry. These discussions were directed at how Production and Industrial Engineering could be a helping hand in technological progress without compromising the sustainability of the future generations. The conference witnessed contributions from numerous professionals hailing from various national and international arenas. Out of over 400 abstracts submitted, around 150 made their way to presentation at the conference. The conference was inaugurated in the presence of Chief Guest **Prof. Jatinder N. D. Gupta**, Director, Integrated Enterprise Lab and Eminent Scholar and Professor, Information Systems Department, University of Alabama and **Mr. A. K. Gandhi**, Director, Daikin International. The conference was chaired by **Prof. R. S. Mishra**, Head, Department of Mechanical, Production and Automobile Engineering and co-chaired by **Prof. Samsher**, Dean, Student Welfare and Registrar, DTU. **Prof. Ranganath M. Singari** served as Conference Convener, and **Dr. Vijay Gautam** and **Dr. Girish Kumar**, as Co- Conveners.



## Prof. Jatinder (Jeet) N. D. Gupta

*"I think Indian education will soon be at par with international standards."*

DTU Times had the honour of interviewing Prof. Jatinder (Jeet) N.D. Gupta, Eminent Scholar and Professor, The University of Alabama Huntsville who was the Chief Guest at ICAPIE '17.

### What was the best part of your college days in Delhi Polytechnic?

In those days, only 30 students were admitted in each discipline. It was easy to interact with everybody. The best part was to interact with people from all parts of the country.

### What advice would you give students on smoothing their transition from academia to industry?

During my time at college, it was mandatory for us to have 275 days of industrial experience to complete our engineering degree. I did three industrial ventures. I would hence advise students to do internships or have some industrial experience. This would not only smoothen the transition but also give you a better idea of what excites you and where your interest lies.

### Would you like to give any message to the students?

Firstly, the world we are entering will require us to be bold and speak our mind, though respectfully. Secondly, always look out for what you can do to contribute to people. In hardcore engineering and science streams, it is extremely important to care for them.





# FACULTY NEWS AND ACHIEVEMENTS

## RESEARCH PAPERS PUBLISHED

### **Prof. S. Indu, HOD, Dept. of Electronics & Communication**

- "Application of Gaussian as Edge Detector for Image Enhancement of Ancient Manuscripts" 2017 IOP Conf. Ser.: Mater. Sci. Eng.
- "Inscription Image Retrieval Using Bag of Visual Words" 2017 IOP Conf. Ser.: Mater. Sci. Eng.

### **Dr. Amit Pal, Prof., 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
- The production of semal oil methyl esters through a combined process reactor Energy Sources, Part A: Recovery, Utilization and Environmental Effects
- Biodiesel production from microalgae oil through conventional and ultrasonic methods Energy Sources, Part A: Recovery, Utilization and Environmental Effects
- The production of semal oil methyl esters through a combined process reactor Energy Sources, Part A: Recovery, Utilization and Environmental Effects
- Performance, emission and combustion characteristics of an Indica diesel engine operated with Yellow Oleander (Thevetia peruviana) oil biodiesel produced through hydrodynamic cavitation method International Journal of Ambient Energy
- Experimental Investigations of Performance and Emissions Characteristics of Kusum (Schleichera Oleosa) Biodiesel in a Multi-Cylinder Transportation Diesel Engine Waste and Biomass Valorization
- Biodiesel production from Cedrus deodara oil in different types of ultrasonic reactors and energy analysis Energy Sources, Part A: Recovery, Utilization and Environmental Effects

### **Dr. Jai Gopal Sharma, Prof., Dept. of Biotechnology**

- "Modelling and analysis of critical factors for phorbol ester degradation in Jatropha seed cake using ISM and MICMAC," International Journal of Environment and Waste Management
- "Effect of light intensity on the physiology of Catla catla larvae," Larvi'17, Fish and Shellfish Larviculture Symposium
- "Embryonic and larval development of snow trout Schizothorax richardsonii," Larvi'17, Fish and Shellfish Larviculture Symposium
- "Unrevealing seasonal diversity of algal flora of river Yamuna in Delhi region," Nature Environment and Pollution Technology
- "Effect of Malathion on Seed Germination and Photosynthetic Pigments in Wheat (Triticum aestivum L.)," Asian Journal of Applied Science and Technology
- "An intermediate temperature stable, extracellular and alkaline lipase from Pseudomonas aeruginosa and its application in biodiesel production," Asian Journal of Applied Science and Technology
- "Time kinetics studies of enzyme catalyzed hydrolysis of triolein and transesterification of olive oil for the synthesis major olive oil methyl esters using Pseudomonas aeruginosa lipase," Asian Journal of Applied Science and Technology
- "Isolation and characterization of lindane degrading bacteria from enrichment on multiple pesticides," International Journal of Applied Research in Engineering Science (A. R. Publishers) (IF: 2.83)

- "Enhancement in seed germination through simultaneous degradation of organochlorine pesticides (lindane and DDT) by a novel microbial consortium," International Journal of Advance Research in Engineering Science (A. R. publishers) (IF: 2.83)
- "Immobilization studies of cellulase on three engineered polymer surfaces," Biocatalysis and Agricultural Biotechnology (Elsevier)

### **Mr. Sudarshan K Valluru, Assoc. Prof., Dept. of Electrical Engineering**

- "Stabilization of Nonlinear Inverted Pendulum System Using MOGA and APSO Tuned Nonlinear PID Controller," Taylor and Francis Cogent Engineering

### **Dr. Janardan Prasad Kesari, Assoc. Prof, Dept. of Mechanical Engineering**

- "Economic Feasibility, Profitability And Mathematical Analysis Of 432 KW Rooftop Solar Photovoltaic Power Plant," International Journal of Development Research
- "Feasibility Study of Concentrated Solar Thermal Steam Cooking System: An Application in DTU Hostel," International Journal of Emerging Technology and Advanced Engineering
- "Thermo-Economic Analysis of Concentrated Solar Heat Applications in Hospitality Industries," International Journal of Emerging Technology and Advanced Engineering

### **Dr. Asmita Das, Asst. Prof., Dept. of Biotechnology**

- "Recent advances in carbon based nanosystems for cancer theranostics," Biomaterial Sci. (IF: 3.614)
- "Evaluating the basis for resurgence of tuberculosis", "Emotion mapping and neurotransmitters - a new way to look at psycho-diagnosis", and "Tumor cells - tumors modulating their killers" UMCCD-2017, Shaheed Rajguru College of Applied Sciences for Women, DU
- "Molecular modeling and lead design of substituted zanamivir derivatives as potent anti-influenza drugs," BMC Bioinformatic (IF: 2.4)
- "Evaluating the basis for NK sensitivity and NK resistance in prototypic NK sensitive and resistant cell line," JSM Chemistry
- "Role of IL-6 in cancer progression and therapeutic-resistance," Tumor Biology (IF: 3.6)
- "Radiation induced autophagy: Mechanisms and consequences," Free Radical Research (IF: 2.97)

### **Dr. Navneeta Bharadvaja, Asst. Prof., Dept. of Biotechnology**

- "Swertia chirata: A Comprehensive Review with Recent Advances," Current Pharmaceutical Biotechnology
- "Uptake of Heavy Metals from Industrial Wastewater Using In Vitro Plant Cultures," Bull Environ Contam Toxicol
- "Mechanistic Insights into the Anticancer Mode of Action of Herbal Drug," Bioinspired, Biomimetic and Bio Nanomaterial

### **Dr. Smita Rastogi Verma, Asst. Prof., Dept. of Biotechnology**

- "Toxicity and immunomodulatory efficacy of biosynthesized silver myco nanosomes on pathogenic microbes and macrophage cells," Artificial Cells, Nanomedicine, and Biotechnology

### **Mr. Vinod Singh, Asst. Prof., Dept of Applied Physics**

- "Achieving independent control of core diameter and carbon shell thickness in Pd-C core-shell nanoparticles by gas phase synthesis," Nanotechnology



# Awards, Honours, Conferences

## Prof. S. Indu, HOD, Dept. of Electronics and Communication Engineering

- Organised the play "Chanakya", Oct 2017, DTU
- Organised "Sankalp for Khadi", Oct 2017, DTU
- Organised a lecture on "Artificial Intelligence based safety and Design practice in Autonomous Driving", Oct 2017, DTU

## Prof. S C Sharma, HOD, Dept. of Applied Physics

- Delivered a talk on "Controlled Growth and Field Emission Properties of Plasma Grown Graphene Sheet via Nitrogen Doping", 1st Asia Pacific Conference on Plasma Physics, September 2017, Chengdu, China.
- Attendee, "Shodh Siksha Sameeksha" by MHRD and UGC, IUCAA, Pune

## Dr. Amit Pal, Prof., Dept. of Mechanical Engineering

- Session Chair, ICAPIE, 2017
- Attendee, "Conference & Exhibition for Emissions Monitoring in India," 2017

## Dr. Jai Gopal Sharma, Prof., Dept. of Biotechnology

- Presented a paper at Fish and Shellfish Larviculture Symposium - Larvi 2017, Ghent University, Belgium
- Presented a paper at Asian Pacific Aquaculture 2017, Kuala Lumpur, Malaysia
- Research Project, "Dissemination and demonstration of fish culture technology among Women Self - Help Groups in NCR region of Delhi as a self-employment activity," sponsored by DBT

## Dr. Janardan Kesari, Assoc. Prof., Dept. of Mechanical Engineering

- Delivered a talk on "Solar Energy for Environmental Sustainability", Climate Change and Sustainable
- Development Workshop, Mahatma Gandhi Institute for Combating Climate Change, Delhi

## Dr. Asmita Das, Asst. Prof., Dept. of Biotechnology

- Attendee, "43rd Annual Meeting of the European Radiation Research Society"
- Attendee, "20th Annual Meeting of the Society for Biological Radiation Research", Germany.
- Attendee, Workshop on "Alternative Fuels and Engine Tribology", Dept. of Mechanical Engineering, DTU
- Co-investigator, "Elucidating Silver Nanoparticle as potent inhibitor of hyphal morphogenesis and drug resistance in opportunistic Fungal Pathogen, Candida and Potential host cell toxicity", UPE JNU

## Dr. Smita Rastogi Verma, Asst. Prof., Dept. of Biotechnology

- Book chapter published, "Genetic diversity analysis of medicinally important horticultural crop Aegle marmelos by ISSR markers," Chapter 14 in PCR: Methods and Protocols, Springer-Verlag, New York

## Mr. Vinod Singh, Asst. Prof., Dept. of Applied Physics

- Delivered a talk on "Gas phase synthesis of size selected Pd-C core shell nanoparticles for hydrogen sensing applications" 10th National Conference on Solid State Chemistry and Allied Areas (ISCAS-2017)
- Chairman, Technical Session, 10th national conference on Solid State Chemistry and Allied Areas (ISCAS-2017)

# STUDENT NEWS

## INTERNATIONAL INTERNSHIPS

### 1. Akansha Maheshwari, B.Tech., BT, 4th Year

Research fellow at the Purdue Cancer Centre, Purdue University.

### 2. Yatin Gilhotra, B.Tech., ECE, 4th Year

Shastri Research Student Fellow at the École Polytechnique de Montréal, Canada.

### 3. Mrudang Mathur, B.Tech., ME, 4th Year

Intern at the School of Mechanical and Aerospace Engineering, Nanyang Technological University under the NTU-India Connect Research Internship Programme.

## COMPETITIONS WON

### 1. Gautam Prajapati, B.Tech., SE, 4th Year, Satwik Kansal, B.Tech., SE, 4th Year

Finalists, HackMIT 2017, Massachusetts Institute of Technology. Developed a real-time AR-based search engine and translation app.

### 2. Nakul Arya, B.Tech., CE, 2nd Year

Silver medal, Open National Taekwondo Championship 2017  
Gold medal, Delhi State Taekwondo Championship 2017

## RESEARCH PAPERS PUBLISHED

### 1. Tushar Srivastava, M.Tech., PSE, 1st Year

'E-hybrid Vehicle - Next-generation and energy efficient vehicle', International Journal for Research in Applied Science & Engineering Technology.

### 2. Siddharth Malhotra, MBA, Finance, 1st Year

'Solution for improving the frequency of operation of Metro Rail', IOSR Journal of Electrical and Electronics Engineering.

### 3. Lakshay Bajaj, B.Tech., BT, 4th Year

'Skin disease detection system using image processing and machine learning', World Biotechnology Congress, 2017.

### 4. Vani Gupta, B.Tech., BT, 4th Year

'KDR Mutation: A high frequency rare mutation and its correlation with other somatic mutations in Indian colorectal cancer patients', Journal of Next Generation Sequencing & Applications.

### 5. Sharad Rohra, B.Tech, MAM, 4th Year, Tanay Dangayach, B.Tech, MAM, 4th Year

'Analyzing barriers to sustainable dairy supply chain using preference rating approach', IEEE International Conference

on Reliability, Infocom Technologies and Optimization, Noida, 2017.

### 6. Ankit Saxena, B.Tech., MAM, Batch of 2016, Mrudang Mathur, B.Tech., ME, 4th Year, Anwesha Chatteraj, B.Tech., ME, 3rd Year

'Computational evaluation of the haemodynamic performance of a novel prosthetic heart valve', ASME International Design Engineering Technical Conferences, Cleveland OH, USA, 2017.

'Evaluation of paravalvular leakage in a novel mechanical heart valve prototype', ASME International Design Engineering Technical Conferences, Cleveland OH, USA, 2017.

## SCHOLARSHIPS AWARDED

### 1. Poorva Shrivastava, B.Tech., BT, 4th Year

Awarded Young Water Fellowship 2017, with seed funding of €5000. Will be attending a training program at Brussels, Belgium.

### 2. Priyal Aggarwal, B.Tech., COE, 4th Year

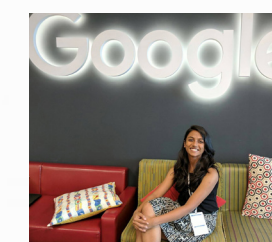
Awarded Google Women Techmakers Scholarship. Participated in a 4-day retreat for scholars at the Google office, Seoul, South Korea.

### 3. Rashi Goel, B.Tech., IT, 4th Year

Awarded Richard E. Merwin Student Scholarship, 2017.

### 4. Himani Gangwar, B.Tech., IT, 4th Year, Chhavi Sharma, B.Tech., IT, 4th Year, Vasudha Mathur, B.Tech., SE, 4th Year

Awarded Grace Hopper Conference India 2017 Student Scholarship.



## Google Summer of Code

The Google Summer of Code is an international annual program, in which Google awards stipends to all students who successfully complete a requested free and open-source software coding project during the summer. **Naman Dwivedi, B.Tech., 4th Year, ENE** worked as a GSoc intern at Mifos Initiative. **Vasudha Mathur, B.Tech., 4th Year, SE** gave a talk on her GSoc project at the KDE Summit in Spain in July. **Madhav Rathi, B.Tech., 2nd Year, EP** completed his GSoc project contributing to FOSSASIA.





# INTERNATIONAL STUDENTS



For the first time in over 25 years, this year, DTU admitted a number of International Students across all courses, through the Indian Council for Cultural Relations (ICCR) Scholarship. Scholarships are awarded under a scheme annually to international students belonging to certain Asian, African and Latin American countries for undergraduate, postgraduate degrees and for pursuing research at Indian universities.



The ICCR awards these scholarships on behalf of the Ministry of External Affairs. Students from across the globe, including countries such as Ethiopia, Kenya, Sudan and Uzbekistan are now a part of DTU. A number of them elaborated upon their experience in India and DTU.

## ANGOLA

Junilson Fernando Jose Kaputo, B. Tech., EE

## CHAD

Abbas Muhammad Zakariya, M. Tech, SWE

## COMOROS

Omar Ali Mze, B. Tech., ECE

## ETHIOPIA

Addissie Melak Muluneh, Ph.D., HU  
Asalf H/Georgie, Ph.D, DSM  
Aynalem Shita Muluneh, Ph.D., HU  
Binyam Asfaw Dingamo, M. Tech., GTE  
Gatbel Buony Nyuot, M. Tech., STE  
Minilik Tamene Damtie, M. Tech, GTE  
Samrawit Tarekegne Shiferawu, M. Tech., C&I  
Shanko Ayele Abera, Ph.D., CE  
Samuel Tamrat Gebrehiwot, Ph.D., ME  
Tadesse Mergiaaw Miretu, Ph.D, CE  
Temesgen Hailu Hirigo, Ph.D, AC  
Zelalem Fikadu Haile, M. Tech., C & I  
Zenawi Haileslassie Berhe, M. Tech., SWE

## KENYA

Abwao Laurent Denis Omondi, B. Tech., COE  
Abwao Jim John Odiwvor, B. Tech., COE  
Enock Osoro Omayia, Ph.D., E & C  
Nick Derrick Chris, B. Tech., COE

## MAURITIUS

Domah Rushil, B. Tech., ECE  
Khemishka Ram, B. Tech., ME  
Seetah Himshikha Devi Komalta, B. Tech., IT

## NIGERIA

Arowsola Olamigoke Philip, B. Tech., COE

## SUDAN

Aladdin Babker Ahmed Elfaki, M. Tech., MOS

## UZBEKISTAN

Murotov Umirbek, B. Tech.

## ZAMBIA

Betrum Mwale, B. Tech., COE  
Sambananjela Paul Kaoma, B. Tech., EE

## ZIMBABWE

Bright Junior Mahere, B. Tech., ME  
Mandiro Livingstone, B. Tech., ECE

# EXPECTATIONS & EXPERIENCES

"I joined DTU as it is not far from my Embassy and hence it is easily accessible. It has been a great experience working here."

**-Addissie Melak Muluneh**

"I am in awe of the campus here at DTU and I am enjoying my stay here. The faculty and my classmates have also been very supportive and friendly."

**-Nick Derrick Chris**

"I chose DTU as it is one of the top universities in India."

**-Abbas Muhammad Zakariya**

"I am interested in science and electronics and DTU has a great learning environment with latest facilities and great faculty."

**-Mandiro Livingstone**

"I love DTU as everyone here has helped me overcome the language barrier and tried their best to teach me Hindi."

**-Samuel Tamrat Gebrehiwot**

"I chose India as I am fascinated by its various cultures and traditions. I am grateful to DTU for giving me an opportunity to pursue my goals."

**- Betrum Mwale**

"I want to be a part of the aerospace industry and DTU is the best place to develop my skills. I also love skateboarding in the campus and playing basketball."

**-Bright Junior Mahere**

"I joined DTU in India since it produces some of the best engineers and I wanted to be a part of this institution and learn more about Incredible India."

**-Sambananjela Paul Kaoma**

"I am interested in research in the field of software and DTU is the best place to accomplish my goals so that I can contribute to my community."

**-Zenawi Haileslassie Berhe**

"Since I arrived I have been warmly welcomed by everyone inside as well as outside campus. I hope to develop my skills in this great institution."

**-Junilson Fernando Jose Kaputo**

"I chose DTU as it is an old and reputed college of India with a well-established alumni base that reflects the level of this great institution."

**-Asalf H/Georgie**





# SOCIETY NEWS

## Inferno DTU *continues on its winning spree*

Team Inferno DTU won the Best Traction Award at National Kart Racing Championship organised in Bhopal in the first week of October. The team is currently gearing up for Season 2 of the Indian Karting Championship, to be held in mid-January, 2018.



## Team Raftaar

As a step toward defending their Asia Pacific Title for the Human Powered Vehicle Challenge, Team Raftaar successfully fabricated a “metal free” frame from Carbon Fibre and Balsa wood weighing just 3.8Kgs.

## Madhurima *soars to greater heights*

Members of Madhurima continued to perform exceedingly well on various fronts. The following are their achievements at Pulse’17 (AIIMS’ fest): **Vinayak Arora** and **Shikhar Lakhumna** secured 1st position in Western Duet Competition; **Shikhar Aggarwal** secured 2nd position in Instrumental Solo Competition; **Vinayak Arora** secured 3rd position in Western Solo Competition. At Rendezvous’17, the cultural fest of IIT Delhi, **Siddhant Gupta** secured 3rd position in Instrumental Impromptu and was declared 1st runner up in Yamaha Revstar National Level Competition. The society organised Cadence, the annual music competition for freshers in order to encourage budding musicians of DTU.



## E-cell *advances to the next level*

E-cell DTU made the university proud, being ranked the best E-cell in Delhi NCR. E-cell in association with tech giants Google organised Startup Weekend ’17, which was a forum for entrepreneurs, tech geeks, start up enthusiasts and mentors alike to come together and discuss innovative ideas for the future.

## IEEE DTU *organises Mega Events*

IEEE DTU organised **IEEEExtreme 11.0**, on 14-15th October, which was an international 24-hour Hackathon. It also organised **Repertoire**,

its annual Techno-managerial Fest on 27-28th October. The events were **Panache**, a general quiz; and **Vihaan**, a national level 24-hour Hackathon, by WIE, IEEE DTU.

## D-42 *shines in the Quizzing Circuit*

The following accolades were won by members of DTU’s quizzing society D-42 in the last three months. **Rishi Aneja and Ankit** secured 1st Position at Ecquizzite, the Economics Quiz at St. Stephen’s College. **Aditya Kulraj, Bramhdeep Singh Jakhar and Ankit** won 1st Position in General Quiz at Bhagwan Parshuram Institute of Technology. **Pradyumna Asthana** secured 2nd position in Maharaja Quiz at Maharaja Agrasen College, **Rishi Aneja and Jorawar Singh Dham** secured 2nd position in Jaipuria Quiz League, Jaipuria Institute of Management. **Ankit and Bramhdeep Singh Jakhar** got 2nd position in General Quiz at OP Jindal Global University and **Ankit** got 2nd Position in BizTech Quiz at Rendezvous, IIT Delhi. **Harshit Gupta** secured 3rd position in Freshers Quiz organised at Daulat Ram College, **Mrudang Mathur** secured 3rd position at Sphinx, College General Quiz at Rendezvous, IIT Delhi.

## Enactus *adds another feather to its cap of success*

After competing with over 100 teams across India, Enactus DTU emerged as one of the finalists in the National Competition held at Mumbai. It currently has two projects, **Unnati**, working in the digital literacy domain, and **Avataran**, generating environment-friendly soap from used oil and working as full-fledged enterprise benefiting the society at large.

## NSS DTU *continues to be in limelight*

Acknowledging the current scenario and prevalence of depression, NSS DTU, in September conducted a seminar on “Depression and how to deal with it” in collaboration with Mental Health Foundation, and later, organised “Rally for Rivers, India’s lifeline” in collaboration with Isha Foundation, wherein students pledged to do their bit to save rivers. “Abhilasha-Celebrating Ambitions”, was organized by NSS-DTU, in October, 2017 in the University. It was a



seminar on Women’s Empowerment and Legal Awareness which witnessed the presence of eminent personalities like Ms. Nupur Sharma, Advocate and the Official Spokesperson

of BJP’s Delhi unit and Ms. Laxmi Agarwal, an acid attack survivor and campaigner with Stop Acid Attacks.

## ASME DTU *to host the ASME E-FEST*

ASME-DTU announced that DTU will be hosting the ASME E-Fest Asia Pacific, an international event to be held in March, 2018. DTU will be home to over 900 students from South-east Asia for three days.

## SAE *promotes exchange of knowledge*

SAE conducted an orientation that provided students key tips on cracking Tech Team interviews. In collaboration with CADD Campus, they organised a workshop on SolidWorks which gave students exposure to the essential software. SAE in association with Kalakriti organised Abhivyaakti, an arts and crafts modelling event aimed at promoting the importance of co-curriculars along with academics, it saw a footfall of over 700 people.

## Panache *rises to greater heights*

Panache organised a fashion show for cancer patients in association with Chitra and Dhariya Foundation for Social Cause. **Deepika Sharma**, a fresher of evening batch and a society member, won the competition “Hunt for Ambassador of Khadi.”

## Round Table *focusses on All-Round Development*

Round Table DTU organised workshops on Web Development and Graphic Designing where attendees were taught poster designing and developing their portfolio website from scratch. Moreover, GD sessions were conducted on a weekly basis, wherein each session was moderated, and moderators provided dedicated feedback to attendees.



## Yuvaan

Yuvaan DTU organised this session’s first Comedy-show-cum-interactive-session, named **Pehli Mulaqat**, in September. The event was aimed at interacting with Freshers and guiding them. They also organised the first of a series of motivational talks in October, in which social scientist **Mr. Mukul Kanitkar** was invited to present an inspirational address for the students of the University.

## DelTech MUN

DelTech MUN and Debating society conducted various events in the odd semester of the academic session. One such was Youth Ki Awaaz, held in August. Passionate discussions were held at the Mini OAT, and saw a turnout of over 60 participants. Mock MUN and Group Discussions were also organised to give members an insight into the world of MUNs.

## ASHRAE STUDENT Chapter at DTU *to commence soon*

ASHRAE (American Society for Heating, Refrigerating and Air-Conditioning Engineers) organised an awareness programme in the Department of Mechanical engineering for the start of and ASHRAE student chapter at DTU. Dr Rajinder Singh and Mr. Jadon from ASHRAE apprised attendees of the recent activities of the ASHRAE India Chapter and also delivered a lecture on scope of Refrigeration and Air conditioning.

## Sahitya *wins Accolades*

**Sahitya, the Literary Society of DTU** organised a Creative Writing Workshop with **The Anonymous Writer**. Members of Sahitya bagged prizes in literary events at **Antaragni, IIT Kanpur**. **Anni Bharadwaj** secured 3rd position in JAM. **Ashmeet Singh, Bhaskar Goyal and Chaitanya Sethi** won 3rd prize in Word Games. **Akshat Sharma, Parth Goel and Shivam Jha** got the 1st position in Parliamentary Debate. for Ambassador of Khadi.”

**Vibe - Dance Society of DTU** secured the First position in Street Dance Event at Oasis, BITS Pilani 2017 in its maiden competitive performance. A dance cover of the song ‘Despacito’ released by the society went viral with over 110K views on social media and was featured in several platforms like ATKIT.









# INTERVIEWS

## Interview | Prof. Chanan Singh

“In order for a university to succeed, it has to be good in research.”

DTU Times had the honour of interviewing Prof. Chanan Singh, Regents Professor and Irma Runyon Chair Professor, Department of Electrical and Computer Engineering, Texas A&M University, who was the Speaker at the GIAN Course on Recent Trends in Power System Reliability Evaluation: Models, Statistical Methods and Applications.

You were in Punjab during your college days. How was the experience of pursuing an engineering course back then?

The experience at that time was slightly different. To begin with, the admission process was difficult. The courses were more structured. Every subject had to be studied from different areas on campus.

How is the structure different in the US?

The American curriculum is more flexible and integrative. In India, we have only Electrical Engineering whereas you can pursue Electrical and Computer Engineering in the US. Another difference is that many students there do part-time work which helps cover their cost of living. A lot of students switch areas, at times dropping out of engineering altogether. That flexibility is missing here.

Nowadays, a lot of students are inclined towards Computer Engineering instead of the core branches like Electrical, Mechanical or Civil Engineering. How can we encourage students to pursue these courses?

That's a difficult question! We, in the US, have similar problems. I think it depends on the job opportunities. Over here,



students choose the IT field because they know it provides a relatively easier path to jobs. Over there, the enrolment in Computer Science has gone down now because some people don't want to sit down and write programs. Trends keep on changing. For example, we used to have high enrolment in Electrical Engineering in the US, but now, interest has shifted to Mechanical Engineering. Students choose a course keeping the present scenario in mind, but the future may be different.

You've published many research papers in some of the best journals of Electrical Engineering. How do you motivate your students to do the same?

I do research because I enjoy it. I enjoy coming up with new ideas. We also have to guide students and help them realise what is good for them. Whenever I publish a research paper with my students, I make them the first author in order to motivate them. In order for a University to succeed, it has to be good in research.

What is your message to the students of DTU?

I believe you have good students over here. My main message, which I give to all my students is to 'Think Big'. Think about how to improve yourself, not just for yourself but for the society, for the country. I believe that you get whatever you think. Hence, dream big.

What do you think of the GIAN Program?

The GIAN Program in Higher Education has enabled collaborative education in our institutions. I have come over here because of GIAN as it gives me the opportunity to transfer knowledge. It is our basic responsibility, as faculty members, to impart knowledge to the younger generation and we take pride in it. I think it's a very good mechanism.

## Interview | Laxmi Agarwal

“Don't make them feel like a victim by calling them one.”



DTU Times interviewed Ms. Laxmi Agarwal, an acid attack survivor, a campaigner and director of Chhanv Foundation, an NGO dedicated to helping the survivors of acid attacks in India. She was here in DTU as a speaker for Abhilasha, a seminar on women empowerment and legal awareness organised by National Service Scheme, DTU.

How has your journey been while recovering from Acid Attack?

Recovery isn't bound to Acid Attack, there are several things that get attached to it and hinder your functioning, but the key point is to keep looking at the brighter side of life and always having a positive outlook.

What is your take on the limelight received by the social issues these days?

Honestly, I find it very disturbing that these days every issue is getting highlighted irrespective of whether it deserves footage or not. People are just hitting the like button without considering the pros and cons of it.

What are the positive changes

that you have come across during the journey of your Foundation?

The survivors, who otherwise would've preferred keeping to themselves, have been able to open up within the duration of a fortnight and there is a noticeable change in their body language and way of talking. They do not consider themselves a 'victim' and wouldn't even think twice before snubbing someone who calls them one. There are instances where we need to provide shelter to survivors and in such cases it's the NGO that provides the needed support.

You have been very brave and confident while raising the issue of Acid Attacks with the world. Who has been your inspiration for the same?

My driving force has been my father. He made me believe in a better version of myself. Initially, when I was attacked, I used to get heartbroken on seeing myself in the mirror, but it was my father who told me that you can fall in love with yourself.

What do you think has been the role of media in this journey of yours?

Media plays a major role in helping us put across our issues. I have learned that we need media, just as much as the media needs us.



## साक्षात्कार | मनोज जोशी

# “अभिनय कोई फ़ास्ट-फूड नहीं है, आप तुरंत फ़िल्मी सितारा नहीं बन सकते!”



डी.टी.यू. टाइम्स ने विश्वविद्यालय में 'चाणक्य' - एक नाट्य प्रस्तुति करने आये राष्ट्रीय पुरस्कार विजेता श्री मनोज जोशी का साक्षात्कार किया।

आपको कब व कैसे पता चला कि अभिनय का क्षेत्र ही आपको भविष्य बनाना है?

मुझे बचपन से ही रंगमंच का शौक था। समय बीतने के साथ अंतर स्कूल प्रतियोगिताओं में अभिनय करता गया, तो रुचि और प्रगाढ़ होती गयी। इससे एक बात तो तय हो गयी कि नाट्य को मैं बतौर कैरियर अपना सकता हूँ। यह निश्चित करने तक मैं 22 वर्ष का हो चुका था और उस समय मैंने निश्चित किया कि मेरे लिए अभिनय ही सर्वोपरि है। मैं उस दौरान एक नौकरी भी करता था, पर उससे मेरा ध्यान नहीं भटक। आपको जिस वक्त अपना लक्ष्य पता चलता है, उस वक्त आपको उस क्षेत्र में मेहनत करना पड़ता है, संभावनाएं तलाशनी पड़ती हैं, और उन संभावनाओं को अपना अवसर बनाना पड़ता है।

आप फ़िल्म, टेलीविज़न और थिएटर तीनों में सफलता पा चुके हैं। आपने इन सब में सबसे ज्यादा प्राथमिकता किस क्षेत्र को दी? और साथ ही इनमें तालमेल कैसे बिठाया आपने?

पहली बात, तीनों अपने आप मे बहुत चुनौतीपूर्ण हैं। फिर भी अगर आप तीनों में से किसी एक को चुनने को बोलेंगे, तो मैं थिएटर का नाम लूँगा। थिएटर एक मनुष्य को अच्छा बनाने के साथ गंभीर भी बनाए रखता है। यहाँ रोज आपको नयी चुनौतियों का सामना करना पड़ता है, यह हमेशा जीवंत होता है इसलिए

इसके साथ का जुड़ाव बिलकुल अलग है। और साथ ही थिएटर में दर्शकों के साथ क्षणिक रिश्ता बन जाता है। आपका शौक आप से व्यक्तित्व अलग नहीं हो सकता। और जहाँ तक तालमेल की बात है, तो जिस भी क्षेत्र-विशेष में किसी व्यक्ति का रुझान हो, वह उसके लिए थोड़ा ज्यादा समय निकाल लेता है।

लोगों का रुझान थियेटर में कैसे बढ़ाया जाए?

आजकल लोग सफलता के अनुपात को देख कर करियर पसंद करते हैं। मैं बहुत साफ शब्दों में कहूँ तो थिएटर का क्षेत्र सिर्फ और सिर्फ कला के प्रशंसकों के लिए है। यहाँ अगर आप सितारों की चमक टूटते हुए आये, तो हो सकता है की आपके हाथ निराशा लगे। अगर आप सीखना चाहते हैं तो ही आप थिएटर में आएँ। अभिनय कोई फास्ट-फूड नहीं है, आप तुरंत फ़िल्मी सितारा नहीं बन सकते। ये एक प्रक्रिया है जिससे आपको होकर गुजरना ही पड़ेगा।

आप गाँव और शहर के कलाकारों में क्या फर्क पाते हैं?

मैं जब जिला-स्तर पर थिएटर करता था, वहाँ के लेखक पश्चिमी लेखक से कई गुना बेहतर लिखते हैं। जरूरत है तो बस खंगालने की। हमारे देश में महाभारत के समय से ही थिएटर है। थिएटर में बहुत सारा काम है, दिक्रत ये है कि काम शौक से होना चाहिए। कमी शौक की है, लगाव की नहीं।

इंजीनियरिंग और मैनेजमेंट के भी ऐसे छात्र हैं जो अभिनय का शौक रखते हैं। उनके लिए क्या सलाह देंगे?

देखिये, यह आपको निर्णय लेना है कि आपका शौक क्या है और आप उसे आप अपना कैरियर बनाना चाहते हैं या नहीं। खासकर आप उसमें कितना आनंद लेते हैं। आप साल में एक बार या दो बार थिएटर देते हैं, तो अच्छी बात है। अगर आप मैनेजमेंट की पढ़ाई करते हैं और साथ ही साथ आप थिएटर भी देते हैं, तब आप मैनेजमेंट और थिएटर, समय और शिष्टाचार के साथ-साथ नेतृत्व क्षमता का भी निर्माण कर सकते हैं।

# “फ़िनलैंड में तो गुरुकुल शुरू हो गया, भारत में कब होगा?”



युवान, डी.टी.यू. के वार्षिक साहित्यिक उत्सव, ने 2017 में अपने प्रथम संस्करण के साथ प्रवेश किया। इस उत्सव में दिखाया गया कि साहित्य केवल गद्य और कविता लिखने, पढ़ने और उसे देखे जाने तक सीमित नहीं है। इसका उद्देश्य छात्रों को ज्ञान, मनोरंजन और निर्देश प्रदान करना था।

युवान के रूप में माननिय कुलपति प्रो० योगेश सिंह ने अपने दिशा-निर्देश में एक नयी श्रृंखला की शुरुआत की है जिसमें छात्रों को हमारे समाज में मौजूद विद्वानों, वैज्ञानिकों और नागरिक नेताओं के साथ बातचीत करने का एक अवसर प्रदान करेंगे।

इस प्रयास में हम प्रस्तुत करते हैं प्रख्यात सामाजिक वैज्ञानिक और शिक्षाविद श्री मुकुल कानितकर से साक्षात्कार।

विश्व के शीर्ष 200 विश्वविद्यालयों में हमारे देश से कोई भी नामित नहीं है। हम उनके साथ कैसे प्रतिद्वंद्विता सिद्ध करें?

वर्गीकरण वाली बात! यह मानक विश्वसनीय इसलिए नहीं है क्योंकि इनकी फेहरिस्त लंबी है। वैसे सूची के 10 मापदंडों में से पांच के लिए हम उपयुक्त ही नहीं हैं। जैसे शिक्षक एवं छात्रों का अनुपात, विदेशी छात्रों की संख्या, संस्थान का आर्थिक लाभ इत्यादि। इसके लिए हमें अमेरिका जैसा बनना पड़ेगा, वहाँ बारहवीं तक कि पढ़ाई सामान्य व हर तबके के लिए उपलब्ध है। वहाँ स्कूलों का निजीकरण नहीं है, अगर निजीकरण है तो विश्वविद्यालयों का है। सरकार उच्च शिक्षा पर खर्च नहीं करती। ये आई.आई.टी. और डी.टी.यू. पर लागू नहीं होता क्योंकि ये सभी संस्थान वित्त पोषित हैं और यहाँ से लाभ संचय नहीं कर सकते हैं।

जो हमारे प्राचीन शिक्षा नीति हैं जैसे गुरुकुल, क्या हम पश्चिमी शिक्षा नीति की नकल करने के चक्कर में पुरानी सभ्यता को दरकिनार कर रहे हैं?

ये इसलिए हुआ कि ये विज्ञान की देन है और विज्ञान की दी हुई चीजें कभी नहीं जाती। सूरज पूरब से उगता है, ये मैं कहूँ या अमेरिका का कोई आदमी कहे, तथ्य तो बदलेंगे नहीं। देखिये फ़िनलैंड ने 2015 में चर्चा शुरू करी कि शिक्षा व्यवस्था को बदला जाए और 2016 में बदलाव भी हो गया। वहाँ के स्कूलों में अब विषय के हिसाब से नहीं बल्कि प्रासंगिक पढ़ाई होती है। वे इससे ही इतिहास, भूगोल, भौतिकी और रसायनशास्त्र भी पढ़ लेंगे। कुछ दिन पहले मैंने एक व्यंग्यात्मक टिप्पणी की थी - “फ़िनलैंड में तो गुरुकुल शुरू हो गया भारत में कब होगा?”

गुरुकुल में सीखने की कला पर ध्यान दिया जाता है ना कि पढ़ाने पर।

वर्तमान समय में युवा पीढ़ी की मानसिकता बहुत हद तक मानवता के राह से भटक गयी है। क्या आपको लगता है की पैसों का महत्व उनके लिए ज्यादा है? इस मानसिकता को कैसे बदले ?

पैसों का महत्व नहीं बल्कि प्रतिष्ठा के लिए कहें तो बेहतर होगा क्योंकि नौकरी को ही प्रतिष्ठा की नजर से देखा जाता है। अगर हम ऐसा सोच रहे हैं तो हमारे मन में बहुत बड़ी गलतफहमी है कि हम अकेले सफल हो सकते हैं। दूसरों के लिए कुछ अच्छा करना आपको। दूसरी बात जो कि बहुत महत्वपूर्ण है, एक बदलाव जो मैंने पिछले 10 वर्षों में देखा भारत के युवाओं का आत्मविश्वास बहुत बढ़ गया है। अब बस इस आत्मविश्वास को ढंग की दिशा मिल जाए तब जा कर अच्छा निष्कर्ष मिलेगा।



## साक्षात्कार | मुकुल कानितकर



How does the SA this year plan to be different from previous Student Associations?

We have a strong majority this time, which means that the students of the University have backed us. We started working within 12 hours of announcing the results. This SA is going to be very efficient, delivering more than promised. We are focussing on the essential facilities present in the University and maintaining them.

**What is the best thing about being a part of the DTU-SA?**

The biggest eudaimonia is that you get to serve the students. Out of a batch of more than 1500 students, 4 students who become a part of the SA share the privilege of serving the students, to be part of the administration. You form a link between the students and the outside world by being a representative of the students' best interests.

**What are the plans for the student exchange this year?**

We have students from other countries visiting us and we aim to send our students to foreign countries too. We have tie ups with Singaporean Universities, and we are sending students to Sweden Education Fair to continue the trend. Students were selected for multiple Universities abroad this year as well and we aim to increase the number of global representatives of DTU.

**What has been the biggest lesson from this election?**

Miracles can happen any time, anywhere! Provided you've worked hard for it and your intentions are right. If you have willpower and determination, you will succeed. All the idioms you've learnt in school like "try and try until you succeed", we've witnessed them in reality!

**Himank**  
President

**Sagar Sehrawat**  
Vice President

**Satyarth**  
Secretary

**Charan Vegi**  
Joint Secretary

# DTU CC 2017



**Parteek Singhal**

Cultural Secretary

**Jahnvi Singh**

Joint Cultural Secretary (Female)

**Shivam Arora**

Joint Cultural Secretary (Male)

**Uttkarsh Arora**

Joint Cultural Secretary (Male)

**Nikhil Arora**

Treasurer

**Anurag Aswal**

Joint Treasurer

**How different will be the working of this year's Cultural Council than previous year's council?**

We can say without doubt that our seniors did a fabulous job last year by not only taking Engifest to a new level, but also maintaining an amicable cultural atmosphere in the University. But at the same time, we know that their tenure wasn't free of mistakes, and nor will be ours. This year, we want to improve upon the existing, and introduce new cultural festivities in the college.

**What was your motivation behind joining the DTU Cultural Council?**

Most of us have been associated with the Cultural Council for the last two years. We have seen our seniors spend sleepless nights ensuring the proper execution of each and every event. For as long as we were associated with the Council, all we wanted to do was to contribute to the dream of taking Engifest to a new level. And with the bonding we have amongst us, we know we will not give up until we make Engifest bigger than ever.

**What is your plan on introducing new events and improving the existing ones?**

Many of our events are famous nation-wide and receive participation from across India. This year, we plan to focus on improving participation in the lesser known events.

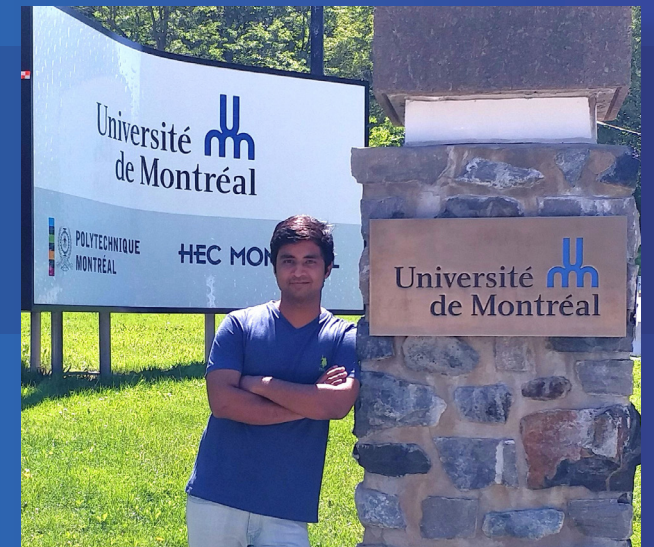
**Any previous fest experience you would like to share?**

At the end of the day, it is the unfortunate experiences that help you learn and grow, and it is these which remain with you for a lifetime. Prior to the previous year, we did not have any experience of conducting an event with a star as famous as Nucleya. For a moment, it became difficult for our team to handle a crowd of over 30,000 people. We were fortunate enough to have managed the event well. It was one of the teaching lessons for our future events.



# YATIN GILHOTRA

DTU Times interviewed Yatin Gilhotra, 4th Year, ECE, who spent the summer as a research intern at the École Polytechnique de Montréal, Canada under the Shastri Research Student Fellowship.



**What was the fellowship about, and what all did it include?**

The internship was about designing a brain machine interface; an implantable circuit. It isn't really the kind of work you get to do in an internship, especially in India.

The fellowship for the same was provided by the Shastri Indo-Canadian Institute. Initially, you have to find your own project by contacting professors from partner Canadian Institutes. Once you get that project, you have to apply for the fellowship. There are numerous applications from all over the country. Out of the pool, they chose twelve candidates for the fellowship. The fellowship covered everything - my living expenses, accommodation, food, travel, insurance - all funded by the Institute and the Government of India.

**How did you bag the internship?**

Getting the internship was quite a herculean task. After receiving the official mail sanctioning my project, I only had five days to apply for the fellowship. The work for the tedious application included the SoP, the research proposal, and the recommendations from my professors, all to be submitted within mere 5 days. The trickiest part was that Shastri Institute

has a clause which states that the applicant's college and the Institute need to have a bond or partnership, which DTU did not have! So, along with filling my application in just five days, I also had to make our administration contact the Shastri Institute and initiate the process. The process actually takes 5-6 months, but had to be initiated before I applied for the fellowship. My mentor, Prof. Rajeshwari Pandey helped me out immensely with this task.

**What is the ideal number of SoPs and LoRs one needs to apply for an International Internship?**

For internships, one mostly needs just one or two LoRs, and one SoP. The scholarship or internship you're applying to mostly gives you the list of requirements they would like to see in your SoP. They may ask for a research proposal or your personal background; it depends on where you're applying to. For applying to colleges for graduate studies, you'll require three LoRs and at least one SoP.

**Are there any other International Internships you applied for?**

I applied for two. The other is called NTU-India Connect Research Internship Programme. It's at Nanyang Technological University, Singapore, and is a tremendously competitive programme.

**While looking for a research internship, does one have to be picky or is it better to apply en masse?**

The more places you apply to, the more chances you have. I couldn't apply to any other internships because by the time I decided to apply, it was too late.

**What kind of difference do you think an International Internship makes on your profile?**

Having a relevant international internship on your CV matters a lot. The kind of work I did at my fellowship was quite significant; it's not an opportunity I would have got here. When you're applying to some of the best colleges in the world, just having a frivolous international internship won't matter much. Being an eyecatcher, it might get you into a good college for further studies, but not the best. To get the best, you need to do some really worthwhile work.

**How was your experience living in Montreal?**

Montreal is a beautiful place. It has some very pretty European style architecture. It was amazing experiencing the hybrid culture there. Oh, and I also attended a Coldplay Concert!

# DTU SA 2017





# सफ़रनामा

-लोकेश नारायण शंकर, प्रथम वर्ष, आई. टी.

रेलवे की घड़ी में 14:20 बज रहा था और बिहार सम्पर्क क्रांति अपने निर्धारित समय से नई दिल्ली रेलवे स्टेशन से अपने जड़त्व से गति अवस्था में आ रही थी। स्लीपर कोच में निर्धारित आरक्षण से तिगुनी भीड़। स्थिति साक्षात भारत की जनसंख्या, मानव-पूँजी एवं राष्ट्रीय विविधता दर्शा रही थी। ट्रेन कुछ पांच मिनट तक रेंगती रही फिर धीरे-धीरे अपनी रफ्तार प्राप्त करने लगी। डिब्बे में असामान्य भीड़ का कारण भी असामान्य था। दरअसल ये भीड़ दीवाली के वजह से थी। मेरा उस भीड़ में होना भी समान कारण से ही था।

वैसे मैं सामान्यतः प्रतिवर्ष दीवाली मनाने गांव जाया करता हूँ। कुछ नया नहीं कर रहा हूँ इस बार भी वहीं बचपन से कछुए की चाल सा प्रगतिशील मेरा गांव और 'सदियों से मनाई जाने वाली दीवाली'। दीवाली मनाने के पीछे का इतिहास लगभग हम सबको पता है। इस पर्व को मनाने का तरीका भी बचपन से अब तक समान ही रहा है। भरसक मेरा योगदान और भूमिका बदलती गई। फिर भी यह अटल सत्य है कि जब भी गाँव जाता हूँ, कुछ नया सा लगता है। हर साल दीवाली मनाता हूँ पर यह भी हर बार कुछ नई लगती है। हूँ शायद इसलिए भी हो सकता है क्योंकि इस निश्चित परंपराओं, परिवेशों एवं तौर-तरीकों में एकरूपता के बावजूद हमारा जीवन परिवर्तनशील है। हर बार की तरह इस बार भी मैं खुश था, अंदर जल्दी घर पहुँचने की थोड़ी बेचैनी भी थी। शायद पिछले साल के मुकाबले मैं ही थोड़ा बदल सा गया था। ट्रेन जैसे-जैसे एक-एक स्टेशन पार कर रही थी। लगभग सबके चेहरे पर संतुष्टि के भाव साफ झलक रहे थे। एक बात अजीब लगा, हो सकता है पहले भी होता आया हो पर मैंने ही गौर ने किया हो। जैसा की डिब्बे में अधिकांश लोग बिहार के विभिन्न गाँवों से थे। सफर के आरंभ में हिंदी में वार्तालाप और ज्यों-ज्यों हम बिहार के करीब आये त्यों-त्यों बातचीत का माध्यम भोजपुरी होते गया। बातचीत में अब चर्चा गाँव की खेती गाँव की संस्कृति और सबसे महत्वपूर्ण गाँव की राजनीति की तरफ बढ़ने लगी। बेशक है सफर काटने का एक अच्छा साधन है परंतु सफर का ये अस्थायी परिवेश जीवन के कई छुए-अनछुए पहलुओं से रूबरू करता है। मैंने भी कई लोगों से बातें की कुछ घंटों के सफर में मेरे अकेलेपन का एक चौर परिचित संसार में बदलना भी काफी नया एवं रोमांचक रहा। मजेदार बात तो ये है कि वातानुकूलित डिब्बे में बैठकर लगता है ट्रेन चल रही है परंतु स्लीपर में लगा कि जिंदगी चल रही है।

## DO YOU EVEN **INTROVERT**

-Anushka Sharma, 1st Year, MAM

For any of us, it's hard to identify someone as an introvert or extrovert, because there exist introverted extroverts as well as extroverted introverts. However, the journey of introverts tends to be covertly interesting.

Let **A** denote introverts and **R** denote extroverts, (relax, there is no hidden meaning behind these code letters). The journey of **A** starts off with, very early in life, accepting the fact that human world is not for them and surprisingly, they find solace in this realisation. To kickstart their day, all they want is a cup of coffee and a novel worth their time. They spend their days reading, observing, eating and sleeping.

**A** don't envy the existence of **R** but it sure does hurt to not be able to participate in an open mic despite having a wonderful piece of writing and then seeing **R** getting applauded for just being able to speak confidently. A tend to find themselves in a tough spot if they come across **R**, because on one hand they can't help but be smitten by their confidence whereas on the other, they can't pretend for long to be interested in their banter.

Despite all these conflicting views encompassing **A's** life, it's none other than **R** who make their lives complete.

The two happy phases of **A's** life are one, when they find themselves a pet and second, when **R** find them, like them, and adopt them. There is no relation better than the one which exists between **A** and **R**. While the **R** love sharing stuff about every minute of their day with the **A**, **A** love to hear them speak; while **R** will keep coming to the **A** asking for solutions to their ever increasing life issues, the **A** will gladly impart their novel-based knowledge.

An **R** to an **A** is like memes are to a student, an **R** to an **A** is like Delhi Quota is to students of DTU and lastly, an **R** to an **A** is like Times is to DTU.



# Travel By DTC

-Shivam Jha, 2nd Year, ME



While most day-scholars enjoy the privilege of travelling by metro, there are some who still like to live in circa 2006 and travel by DTC buses.

From judgmental conductors, sleeping beauties, yakking heavyweight aunties and inebriated inappropriates to boastful elderly sitting comfortably in the seat while you struggle to find a place to stand properly and breathe at the same time and hoards of students, every single thing characterized is heartwarming in its own sort of way.

879 and 165 are lifelines for those commuting this way and the sole source of entertainment for almost all the people standing is passing the money from passengers in the front to the conductor and then the ticket back to the passenger. It is not rare when the tickets get all mixed up and the three people who passed Rs 5 each for their ticket end up having to tear the one Rs. 15 ticket they got instead, into three equal parts for themselves. It's our own version of the game of (Indian) Chinese-whispers. I've spent almost all of my childhood in buses hanging around the roads of Delhi and the most striking thing I figured was that DTCs are never on time. They claim to have a schedule.

They don't.

You wait in the sun for 45 minutes for a particular bus and find a crowded one, you feel like punching the guy next to you. The ticket guy, on DTCs never come to you for the tickets. You have to go to him, for one. He'll be there, beside the door, on his Iron Throne, with a nonchalant attitude that would shame even Joffrey Baratheon. Imagine the number of people at the Nucleya concert. Now imagine that many people fitted inside a bus. The unmatched delight in getting a seat in 879 is a feeling not known by many.

"Life is a race. Life is a struggle.  
To achieve something, you have to get out of your comfort-zone."

Things I realised, at the Madhuban Chowk bus stop every time. (Yes, that's our Rajiv Chowk) DTCs have actually taken it upon themselves to advertise Murphy's Law. The bus you need, just won't arrive. The bus you needed yesterday and made you wait for hours, is more frequent today, than the bowel movements of diarrhoeic guy. This will prove to be most efficacious, in your future life, in dealing with the promotion you've been waiting for, and most rightly deserve, but won't get. So, next time, when you are running late, and it's hot, and you are annoyed with your existence, wait for a DTC.





# JOURNEY OF A SNOWFLAKE

- Akansha Gahlot, 1<sup>st</sup> Year, EE

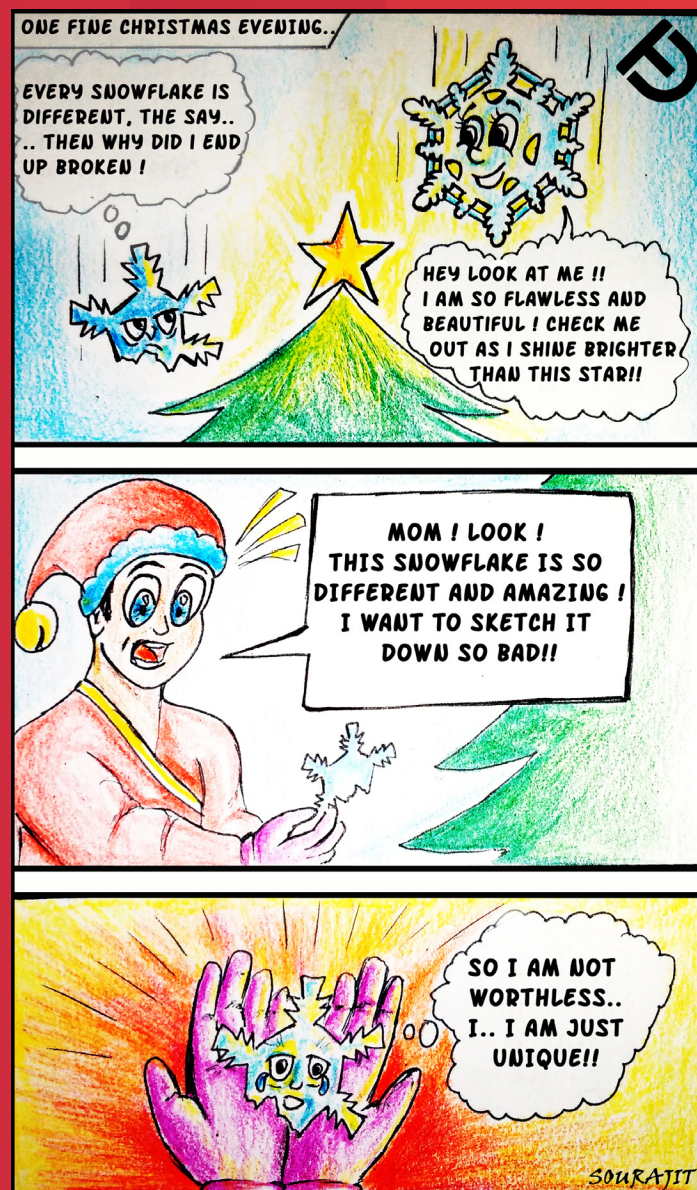
We have all heard that no two snowflakes are alike. Each snowflake takes the perfect form for the maximum efficiency and effectiveness for its journey. Along this gravity-driven journey,

some snowflakes collide and damage each other while some collide and join together.

I find parallels in nature to be a beautiful reflection of grand orchestration. One of these parallels is of the snowflakes and us. We, too, are all headed in the same direction. We are being driven by a universal force to the same destination. We sometimes bump into each other, we cross paths, we

become altered... we take different physical forms. But at all times we too are 100% perfectly imperfect.

Think of what understanding this great orchestration could mean for relationships. Imagine interacting with others knowing that they too each share this parallel with the snowflake. How strong our relationships would be if we could see and respect that we are all perfectly imperfect for our journey.



## Eight Fifty Nine

- Rohan Mishra, 3<sup>rd</sup> Year, SE

*She runs, runs, runs  
I sit on the ledge, in awe  
watching as she runs,  
She isn't running from the dark  
the murkiness of the night.*

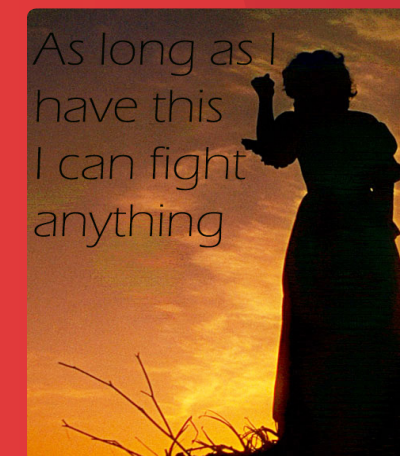
*She runs to embrace her chains  
to stay warm in her cage;  
for a gleeful moment, she meets  
my eye, and shies away as if  
for the night to come, she would  
think of me maybe once, look out  
of the window, look at the sky.*

*She runs, runs, runs  
as the watcher in the night  
the keeper of cage whistles -  
the time has come, the time  
to run, and run she does,  
It's eight fifty-nine.*

# HOLD ON TO THAT STRENGTH

- Hitee Singh, 1<sup>st</sup> Year, MBA

Everyone is a fighter. You wake up, every day with a mission to beat the circumstances. But when the desire to fight subsides, who do you turn to? For some, it may be a what. A source of inspiration, where one gets their motivation to move on. The journey of life is akin to a train journey – comprising of bogies of family, friends, and job and making surprise stops at sorrow, happiness, anger.



That train is not driven by anything else but your strength. Identify that source of strength that motivates you that keeps you alive and thriving and keep it close. You will need it a lot on this journey. You are reborn from your own ashes, from your own mistakes. You are a fighter! Tell me, how do you manage to do it all?

## The finish line is a LIE

- Gul Asnani, 2<sup>nd</sup> Year, COE

*Bas 12th  
pass karlo  
beta, fir  
AISH HI  
AISH!*

All of us have had a good dose of this beautiful statement in our good old days of class 12th, right? This used to be a commanding plea from all our elders whenever we tried to rejoice the savouring of an 'aish' prematurely. In this statement, the second phrase remains constant throughout our lives. We are tricked by the bait of this 'aish' into believing that there will be a finish line beyond which we'll be

'happily ever after'. But our myopia comes to terms with reality when we jump across the line. We land into another race and the first phrase in the above statement changes to another challenge. In this case it may be quoted as "**Bas place ho jao beta**". Thus, there is no finish line in actuality. All we've got is this bait that keeps duping us so that we don't give up.

So do not wait for work to end, because it won't. Just grab your crumbs of life out of the bread of 'living', because they will not come to you knocking your door someday.

# THE DRIFT FROM 'LIFE'

- Karan Singh Bora, 1<sup>st</sup> Year, EE

Whenever I travel in the metro I no more see faces, but shoulders with a screen on top. I see people not deeply engrossed in thought but focused on their mobile screens. No more do I see two strangers, who just met on a journey sharing their experiences but instead they

can be seen scrolling their feeds. Nowadays people with mobiles in their hands capturing moments instead of living them and defining them as 'memorable' is a regular sight.

The creative thoughts or the flashbacks of our lives that wandered into our minds whilst

enjoying the view from a train window have become extinct. Today, I am saddened by the thought that as a species even though we have travelled so far in this journey of scientific and technological advancement, each day we are moving further and further away from the goal.



# Complex

Zara Khan, 2<sup>nd</sup> Year, PCT  
Parth Goel, 2<sup>nd</sup> Year, PCT

**‘Complex** is what defines us. Humans are complex, yet everything they possess, is either black or white. They are equally necessary.’

## Aggression

I am your greatest strength. Call me when you need to prove your mettle. I'll come crashing down as heavy as Poseidon's waves, like Etna's tumultuous wrath that'll scorch the flesh off of your opponents.

I am your biggest weakness. I am the regret you face when you lie in your own bloodied rage. You won't see rationality until I've seeped away from your bones and only then will you realize your own mortality.

## Benevolence

Love. Passion. Your people love you because of me. You are the sun for their frozen souls. One favor. Two favors. Three. Our magnanimity is unmatched. Dare there stand someone whose hearts is as large ours and pockets full with nothing but love.

Your benevolence, I will come down like a benediction. One favor. Two favors. Three. Like the bees, your deeds will go unreturned. Work, unrewarded. Respect, unfulfilled. Love, unreturned.

## Honour

I am everything that your self-esteem longs for. You feel powered by my presence. I am the reason you walk with your head held high. A little taste of this sweet nectar is what you desire and work for all your life.

I touch sensitive nerves of your brain. My absence can instigate a storm as violent as the volcano that brought the beautiful town of Pompeii to a standstill and what is left of it now, except ruins?

## Trust

I am the only one deeply connected to your heart and soul. You consider me the most fragile of them all, indeed I am. I seek the goodness and morality in everyone. The simplest yet the most complicated.

You forget how fragile I am. We long to separate but our wish is never granted. You blame me for your heartbreak and failure, question my incapability of sensing devastation, but never do you ponder upon my realm, do you?

# Stars

Shrey Padhi, 1<sup>st</sup> Year, PIE

In today's era, we have many celebrities who have worked really hard and climbed the ladder of success after tackling obstacles. They have become a source of inspiration for many. People literally want to be "the next King of Pop" or "the next Queen Bee."

Still, there are stories of them falling into the dark pits of depression, sometimes taking their own lives in the process. People in all spheres of life face the woes of depression, then why is it that these superstars - end up on the wrong side of life more often?

There have been many instances where management companies associated with the artists have pressurized them to do absolutely bizarre things. The million-dollar 'entertainment' industries allegedly ask their artists to go through plastic surgery to have the "perfect teen figure", put restriction on their private life and permissions have to be taken for almost everything.

The word 'genius' was given to a spirit from whom the artist of the classical era used to borrow creativity from. So if a sculptor produced a deformed sculpture, he was not completely at fault, rather his genius was just not powerful enough to give him a force to be more creative. However this thought process changed in the Renaissance Era and the artist became the centre of his work. He received all the credit for his work and was given all the criticism as well. This has led to this absurd motion where creativity has become equivalent to suffering. For example: Chris Bennington's last interview, in which while he clearly stated he was suffering from depression, the interviewer laughed it off.

There is definitely not enough scientific evidence to prove the existence of some spiritual vessel of creativity called 'genius' but maybe this way of thinking can ease the pressure from the artists. This doesn't just apply to celebrities because all of us are also creative geniuses. So the next time you feel that you are not being creative enough, it is not your fault. It's just not your time.

# What It Takes To Change

Shruti Kumar, 3<sup>rd</sup> Year, EE

If change came easy, we'd all be the best versions of ourselves today. You could be an inveterate gambler or a naive sugar addict, in either case, you're letting your irrationality dictate what you do instead of your rationale. In order to change for the better, get rid of an old habit or get accustomed to waking up early morning, you need more than just an epiphany. You need to fight your impulses and take control of what happens in your life the very next minute.

A Japanese belief suggests that if you're in pursuit of excelling at something, then spend a mere five minutes daily, actually doing it. If you're striving to lose weight, take a moment to look yourself in the mirror before being enticed by what seems like the world's tastiest muffin. If you're trying to study, unsubscribe to Netflix. If you're working on your knowledge of current affairs, pick up the newspaper even if it's just for five minutes. The point is, in those moments when you convince yourself that you simply have to go off-track, you really don't.

We're designed to resist change. You could be too proud to accept that your habits need mending. Overcoming this inertia to change involves stroking your ego to your advantage and sometimes even breaking it down altogether. We all have what it takes to change. It comes down to only one thing - wanting it enough.



# Afterlife

-Pratyush Thakur, 2nd Year, COE  
Zara Khan, 2nd Year, PCT

She always lived a life worth remembering. She was the life of parties and was loved by all. Her last days were quite ironical, tied to her bed with restricted movement, her pain and anguish didn't last long. She drifted into the afterlife soon after being diagnosed with a life threatening disease.

Life that had been so beautiful, turned into a hellish nightmare. They say that for the good, the end comes soon. But for those purer than the purest, the end takes a lot of suffering. Much like Dante's levels of purgatory, she had to pass through all those before she finally woke up to the journey beyond. They say that you are held accountable for every one of the sins you committed, your journey



through purgatory purges you. The anguish, the pain and the hurt kept her in agony, exactly how hell is supposed to feel. After a long and peaceful nap, she finally awakens. A s t o u n d e d , confused and scared to say the least, she takes in what she sees. Glistening fountains, lush green gardens, rows and rows of her favorite little lilies fluttering in the wind. "Is this what heaven looks like?" she wonders.

Moving on, she senses the scent of her favorite childhood snack - cookie dough brownies. She reminisces how her mother baked the most delicious cookies, the aroma wafts more and more as she walks towards the little door. The little red door of her childhood home, full of her childhood pictures, toys and memorabilia. Reunion with her loved ones who bereaved her a long time ago. There's nothing more she could've asked for. No luxury, no jewel can match the unbound happiness she feels right now.

*Is this what heaven feels like?*

## Homecoming

-Shaleen Jain, 2nd Year, ECE

*Hometown. For some, it's where the childhood memories were forged. It's a place that has become synonymous to home for many. This season, as festivals around the country lighten up every home, let's celebrate the joy of homecoming.'*

I came across this as I sat on my overnight flight back home. I knew I was in for a fairly boring flight and every attempt I was about to make to sleep would just make me whine about economy class. However, the above statement. This statement made me ponder.

Humans tend to exhibit different characteristics at different times. The difference between a guy standing at the doorstep of his home and the guy inside it, is simply august in its own way. Makes us more human only, I believe. Home is just so exceptional, everything

moves by so slow and shoddy things start to look good. Sadly, we don't realise it until we detach our physical self from home.

A house is just brick and mortar while a home is a feeling. A feeling, so special, that it is extolled. The biggest prospect of festivals is homecoming. You may go anywhere round the globe but the final destination is always, will always remain home. So this festive season, let's not just celebrate homecoming but savour it.

## Spreading Smiles

-Raunak Kapur, 3rd Year, EEE

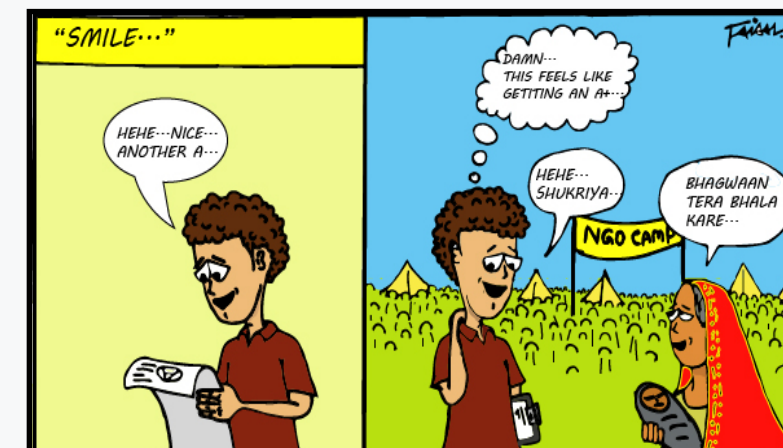
पोथी पड़ पड़ जग मुआ पंडित भयो न कोए  
ढाई आखर प्रेम के जो पड़े सो पंडित होए

Kabir shows us the way in this doha. He daringly says that despite all our readings, despite all our knowledge, we cannot become wise. Only if we 'read' Love, become loving and loveable, only then wisdom will dawn on us. Only then, life will be worth living.

Nowadays, in this fast paced world, the only thing of concern for every student has been GRADES. But haven't we all forgotten to enjoy the little things in life?

Going along the words of Viru Shashtra Bhuddi, life is certainly a race and you will be like a broken egg if you stop, but if you just keep on running selfishly, then there is no end to it. Trust me, when you become the reason behind someone else's smile, it will make you much happier than getting an A in your subject.

Joining NGOs and working with them to get a certificate shouldn't be the goal. If an NGO gives you an opportunity to spend time with the ones who are really in need of help, spend time with them wholeheartedly. The wide grin on their face will surely enlighten your entire day.



**Bhagwat Geeta:**  
"No one who does good work will ever come to a bad end; neither here nor in the world to come."

**Quran:** "Allah never forgets a person who has done righteous deeds and will reward him."

This is your golden age, enjoy each and every second you have. Each day, 86400 seconds is being deposited in your account. Use it to make yourself happy by ensuring that you spread smiles and keep everyone around you happy. Once you do that, you will be happy and obviously you want to be happy, don't you?



# KNOW YOUR ALUMNI



**Dr. D. Yogi Goswami**

- Batch of 1969, Mechanical Engineering.
- M.Sc. and PhD in Mechanical Engineering from Auburn University.
- He currently advises US Congress and Indian government on energy policy and transition to renewable energy.
- He is a distinguished University Professor and Director of Clean Energy Research Center at the University of South Florida.
- Co-Founder and Chief Science and Technology Advisor at Molekule.
- Editor-in-chief of Solar Energy, a scientific journal, and has published more than 400 peer-reviewed articles and a number of books and chapters. He holds 18 patents and is the inventor of the Goswami thermodynamic cycle.

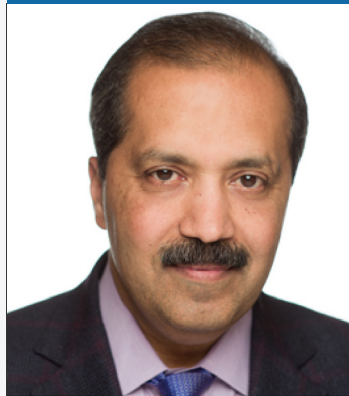
**Inventor, Author, Entrepreneur and Educator**

- Batch of 1970, Electrical and Electronics Engineering.
- Former Chairman, Hindustan Aeronautics Limited.
- Director on the Board, Infotech HAL Limited.
- President Elect of Aeronautical Society of India and Fellow of Aeronautical Society, UK.
- Joined Hindustan Aeronautics Limited (HAL) as Management Trainee in 1972 and has worked in various assignments in manufacturing and production planning in the Helicopter and Engine Divisions.
- As General Manager (Marketing) at HAL, Corporate Office, he promoted Company business interest in many countries. He was General Manager of the Advanced Light Helicopter (ALH) Project and then of the Helicopter Division, before his appointment to HAL's Board in September 1998, as Director (Design & Development).
- Longest serving Director of Design Complex, and his thrust on indigenous development vitalized the Design Complex with a number of prestigious programmes. The ALH (Dhruv) was certified by both military and civil regulatory authorities, and deliveries to customers in India and abroad commenced. Dhruv has become HAL's star product in all International air shows since 2003.

**Head, QuEST Global Defence**



**Mr. Ashok K. Baweja**



**Mr. Sanjay Nayar**

- Batch of 1982, Mechanical Engineering.
- MBA in Finance from IIM Ahmedabad.
- After completing his Masters, he joined Citibank and spent 24 years and rose to the level of CEO of Citi's Indian and South Asian operations.
- Mr Nair was the Deputy Chairman of the Indian Banks' Association (IBA), Chairman of the Foreign Banks' Committee of the IBA, USIBC and CO-Chairman of the Habitat for Humanity India Builds campaign.
- He joined the leading global alternative asset manager KKR (Kohlberg Kravis Roberts) India Advisors, Pvt. Ltd., as CEO, in 2009.
- Currently, he's on the board of Indian School of Business (ISB).
- He's also the Indian Private Equity and Venture Capital Association (IVCA).

**CEO, Kohlberg Kravis Roberts India Advisors Pvt. Ltd.**



## Alumni Diwali Get-together in Houston

A **US global meet** was organised for the alumni of DCE/DTU and DIT/NSIT in Houston, Texas in October, 2017 on the occasion of Diwali. It was hosted by **Mr. Durga Agarwal**, Batch of 1967, co-hosted by **Mr. Mahesh Joshi**, Batch of 1992 and supported by **Mr. Rohan Gupta**, Batch of 2011. Around 75 alumni marked their presence at the meet. The event commenced with an hour and a half of introductions and

snacks. It was followed by trivia questions on the alma mater of the attendees. The cultural night commenced after this, in which 'Lazy Dance' performance by **Mr. Rajesh Tanwani**, **Mr. Lagnesh Varshney** and **Mr. Raj Chugh**, all from the 1986 batch of Civil Engineering grabbed the limelight. The cultural presentations were followed by an address to the crowd by **Mr. Durga Das Agarwal**. The event concluded with an elaborate dinner. The next US Global meet is scheduled to be held in February, 2018 in San Francisco.



# TACKLING ANXIETY:

## TOWARDS A LIGHTER SELF

Anxiety Disorder is a mental disorder in which one feels excessive worry, either constantly or at the slightest provocation. It is unlike anxiety, which we all experience at some point in our lives. Overcoming this condition is a journey in itself, and here are some suggestions to help you - or an acquaintance - move forward in life.

## WHEN YOU SUFFER FROM ANXIETY:

### Do's

- **Seek professional help.** There is no shame in speaking out. According to the WHO, more than 260 million people worldwide are living with anxiety disorders.
- **Prioritize your mental health.** Deadlines and academics are important, but not worth compromising your health for.
- **Express yourself through art,** be it poetry or music. Simply expressing your feelings can go a long way in healing you.
- **Hold on and stay strong.**

### Don'ts

- **Ignore any symptoms of anxiety.** These include irrational fears, a constant state of worry, insomnia or weakness.
- **Push away the people who care about you.** You may feel that you are overburdening them with your constant whining, but that's your anxiety talking.
- **Heed to insensitive remarks.** Due to the taboo surrounding mental illness, you may have to put up with jibes. Don't take them seriously.
- **Give up.**

## WHEN SOMEONE YOU KNOW SUFFERS FROM ANXIETY:

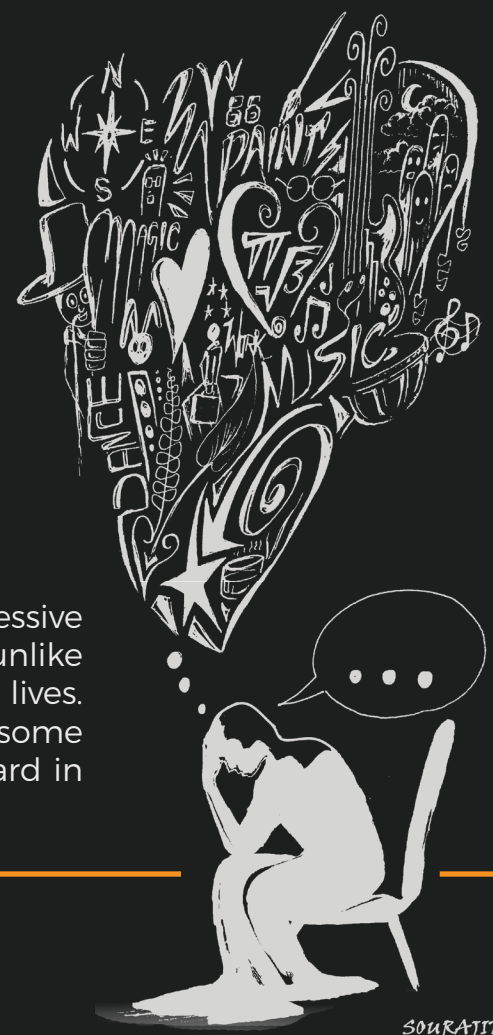
### Do's

- **Listen to them.** Simply having a shoulder to lean on makes for a great support system.
- **Urge them to seek professional help.** Your support goes a long way, but sometimes professional treatment is required.

### Don'ts

- **Romanticise the situation.** There is nothing glamorous about it.
- **Lash out at them.** You'll only increase the misery they're already in.
- **Tell them it's all in their head, or that they're making it up for attention.** Trying to shut them down will only push this issue back in.

Pratik Anand, 1st Year, COE  
Srishti Mittal, 1st Year, PCT



## MEET THE TEAM

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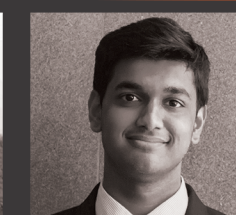
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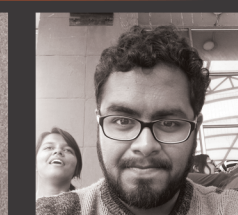
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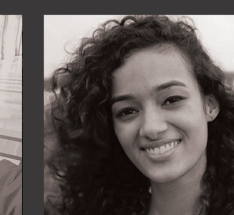
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