

Welcome Freshers

Honorary Doctorate Degree awarded to *Vice Chancellor*

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In recognition of extraordinary accomplishment and achievement; University of Birmingham, United Kingdom awarded Honorary Doctor of Engineering degree to **Prof. P.B. Sharma**, Honorable Vice Chancellor, DTU on July 3, 2013. The Degree was awarded by **Sir Dominic Cadbury**, Chancellor, University of Birmingham in the presence of **Prof. David Eastwood**, Vice Chancellor; Prof. Duc Pham, Head, Department of Mechanical Engineering among other Deans and Heads of the Departments at the Convocation ceremony.

Speaking to the graduates on the occasion, **Prof. P.B. Sharma**, Honorable Vice Chancellor said, "It is important to recognise the value and worth of the knowledge embodied in the Degree you are receiving today. You are ordained to practice your knowledge for the benefit of the society and Mother Nature with utmost sincerity, fairness, high levels of professional morality and personal integrity. This



requires paying the greatest attention to the minutest details. Success in life can never be denied if such commitment is exhibited in your professional life."

A man of vision and firm resolve to nurture excellence, **Prof. P.B. Sharma**, Honorable Vice Chancellor has a **Doctorate** from the **University of Birmingham**. He has made distinguished contributions to the frontiers of **Aero Engineering, Power Plant Engineering, Renewable Energy Resources and Knowledge and Innovation Management**.

DTU ranked in **Top 10** *Engineering Institutions*

Adding another feather to its cap, Delhi Technological University (DTU) has yet again been placed among the top ten engineering institutions of the country including the IIT's in the recent OutlookMDRA Survey 2013. DTU has been ranked ninth in the category of '**Top 100 Engineering Colleges**'.

Moreover, DTU stands at the eighth position in the list of '**Top 10 Government Engineering Colleges**'.

The survey also places DTU at the first position in the category of 'Placements', at the second position in the category of 'Return on Investment' and at the second position in the category of 'Top 3 Colleges As per the survey our university has made a mark by providing quality tech-

nical education and nurturing innovations along with the best value for money. The able leadership and perpetual support of **Prof. P.B. Sharma**, Honourable Vice Chancellor, coupled with the expert guidance of esteemed faculty members are to be accredited for this accomplishment. Feeling immensely overwhelmed by the rankings, **Prof. P.B. Sharma**, Honorable Vice Chancellor says, "Consequent to becoming a technological university; the focus of erstwhile DCE has been on curriculum innovation, strong industry partnership and on the seamless integration of science and engineering. Research and innovations have been aligned to industry needs, thus attracting leading global brands to collaborate with DTU for cutting-edge research and development." continued...

2 RISING STARS

Rank	Name of institute	P: Pvt G: Govt	City	Selection process (227)	Academic excellence (214)	Personality devt & indl interface (173)	Infrastructure (206)	Placement (180)	Overall score (1,000)
1	IIT	G	Kharagpur	195.5	189.2	134.9	193.1	174.5	887.2
2	IIT	G	Delhi	207.6	181.5	137.2	187.9	164.7	878.9
3	IIT	G	Mumbai	203.3	195.4	128.6	179.0	168.1	874.4
4	IIT	G	Kanpur	199.2	192.7	140.2	182.8	157.7	872.6
5	IIT	G	Chennai	197.7	187.0	153.9	163.4	159.8	861.8
6	IIT	G	Roorkee	203.4	189.2	130.6	174.2	161.1	858.5
7	IT-BHU	G	Varanasi	207.1	174.8	140.2	174.9	160.6	857.6
8	BITS	P	Pilani	192.1	176.3	158.9	194.2	131.9	853.4
9	Delhi Technological University	G	Delhi	197.7	159.5	140.2	174.5	167.1	839.0
10	NIT	G	Tiruchirapalli	184.0	167.7	128.8	169.0	160.0	809.5
11	ISMU	G	Dhanbad	170.3	157.8	98.7	152.2	141.5	720.5
12	College of Engineering, Anna Univ	G	Guindy	165.5	152.9	121.3	148.3	130.2	718.2

DTU bags the **Best Emerging Technical University** award

Living up to the world-class standards of our university, DTU has won the “Emerging Technical University of the Year” award at the Annual Study World Excellence Awards organised by Study World Education Confluence 2013. The award was presented by **Dr. Shashi Tharoor**, Honourable Minister of State for Human Resource Development, Government of India on July 20th, 2013 at a function organised by the World on the occasion of “Launching India”. The achievement in sync with the recent laurels that the university has won with being ranked 1 for excellence in placements in the national survey carried out by Outlook 2013 and ranked 2nd in the Return on Investment aspect among the Top 10 Engineering Institutions in India as few highlights.



ENACTUS DTU Wins **National Award**

Enactus DTU has brought laurels to the college by emerging as winners in the national Championship at the Enactus India National Competition that was held in Mumbai on June 18 and 19, for their outreach projects **Project Chhaap**, **Project Ann** and **Project Unmoolan** which were claimed to have made a direct impact on nearly 3076 people and an indirect impact on 44020 people. The team was led by the able guidance of faculty advisor, **Dr. Samsher** and President, **Vrinda Gupta**. Gracing the occasion was **Dr. Alvin Rohrs**, President & CEO, Enactus Worldwide; **Mr. Farhan Pettiwala**, President, Enactus India and **Mr. Richard Rekhy**, Chairman Enactus India National Advisory Board and CEO of KPMG in India.



New Gym **Inaugurated** in campus

10th June, 2013 marked the inauguration of the new extensive gym at the DTU Sports Complex by the modern equipments which include 2 state-of-the-art Treadmills, 3 bicycles, 4 inclined bench press, 4 straight bench press, declined bench press, overhead press, chest press among other work stations. More than 30 boys will be able to use these facilities at once. All these facilities will be provided free of cost. The gym can be accessed in the morning from 6 to 10 and from 5 to 9 in the evening. A synthetic indoor badminton court was also inaugurated on this occasion along with the addition of 6 new TT tables to the existing fleet.



Great Rush for M.Tech. and Ph.D. Admissions

Our university has received around **10,000 online registrations** for its **22 M. Tech. programs** with a total intake of around 550 seats this year. There is a great rush for M. Tech. programs in Electronics and Communication Engineering which includes VLSI Design, Embedded System, Microwave and Optical Communications, Signal Processing, Digital Design; Computer Science & Engineering; Software Engineering; Mechanical & Production Engineering; Bio Informatics; Nano-science and Technology; Information Systems; Polymer Science; Control and Instrumentation Engineering; Structure Engineering; Environment Engineering; Hydraulic and Flood control Engineering; Geotechnical Engineering etc.

DTU has received around 1700 application forms as compared to about 1100 forms received last year for its PhD program,

informs, **Dr. Ruchika Malhotra**, Coordinator, M.Tech. & Ph.D. Admissions. The major attraction for the Ph.D. program has been Computer Science Engineering and Software Engineering in which 251 applications have been received. In Electronics and Communication programs, about 150 applications have been received. Biotechnology and Management have received 190 and 194 applications respectively.

University awarded Best University for Promoting Industry-Academia Interface

Our university has been chosen as the winner in the category of Best University for Promoting Industry-Academia Interface for CCI Technology Education Excellence Awards 2013.

Prof. P. B. Sharma, Honorable Vice Chancellor and **Shri Dheeraj Mishra**, Team Leader, DTU Solaris received the award on May 18, 2013 at a function organised at Gujarat Technological University, Ahmedabad.

Prof. P.B Sharma, Honorable Vice Chancellor expressed his jubilation with the words, "This is a momentous occasion for DTU. We are moving from an Information Society to a Knowledge Society. If India has to forge ahead, we have to create knowledge hubs for partnership between academics and industry, which



can unleash the power of innovations."

The university is credited with the design and development of India's First Hybrid Car, India's first Super Mileage.

The first Solar Passenger Car of India designed and developed by the DTU student team was flagged off by the Honorable President of India from Rashtrapati Bhawan on September 4, 2012.

DTU continues to attract highly talented students for its 15 UG and 22 PG programs and has emerged as a major hub for research and innovations in India. The thrust of DTU is on industry relevant R&D and new product development of high value to society and industries.

Board of Management meet

The Board of Management (BOM) of DTU, met on April 25, 2013. **Prof. P.B. Sharma**, Honourable Vice Chancellor mentioned that the faith reposed by the founding fathers of the University has been well responded with major initiatives such as expansion of educational facilities, strengthening the industrial interface, collaboration with leading industries and world class universities and with a renewed focus on thrust areas of research and innovations.

Important decisions of the BOM:

Introduction of five new M-Tech programs with 18 full time and 5 sponsored seats each in industry relevant areas such as Computational Design, Biomedical Engineering, Industrial Biotechnology, Renewable Energy Technology, Nuclear Science and Engineering.

Restructuring of Administrative positions as per UGC norms at the level of Assistant Registrar, Deputy Registrar etc.

The Board of Management has decided to double the number of PhD fellowships at DTU from 50 to 100 keeping in view the re-

quirement of PhDs at national level.

MOU with Samsung Electronics India Ltd. for introducing B.Tech part time programme to be run by Department of Computer Engineering for Samsung employees.

Filling up of vacant positions at the level of Assistant Professor, Associate Professor and Professor in various academic departments of DTU through open advertisement.

Introduction of M.S by Research in InfoNano Biotechnologies with a view further boost the culture of research and innovation at DTU.

The Board also approved the recommendations of the Academic Council of Executive MBA program for practicing techno managers, dual degree program in B.Tech and MBA and B.Tech evening programme in IT for ICT engineers in NCT of Delhi.

The BOM meeting was chaired by **Shri R.P. Agrawal** and was attended by **Shri Rajendra Kumar**, **Prof. G.K Mehta** and distinguished alumni.

DTU Students awarded TCS Gold Medal

To strengthen the academia-industry interface, Tata Consultancy Services (TCS), under a Memorandum of Understanding (MoU) with the university, awarded Gold Medal to Ms. Anubha Gupta of Electronics & Communication Engineering branch. The Medal was presented in the presence of Prof. P.B. Sharma, Honourable Vice Chancellor; Mr. Rajat Sikka from TCS; Prof. S.K. Grag, Head



of Training and Placement and faculty members and students of the university. Speaking on the occasion, **Prof. P.B. Sharma**, Honourable Vice Chancellor remarked, "One of the agenda of DTU for year 2013-14 is to connect the world of academia to the world of industry so that together we can understand what new domains could be unleashed on the young minds."

4 INCUBATING INNOVATION

Workshop on Business Trends organized

Delhi School of Management organized a Human Resource Seminar on April 3, 2013 with the theme – “Managing humans in rapidly changing national and international business trends: Challenges for the budding managers.” The workshop was inaugurated by **Prof. P.B. Sharma**, Honorable Vice Chancellor, DTU in the presence of **Dr. Suri**, Head, DSM, among others. The eminent speakers included **Shri Sumit Chaudhuri**,

CMD, Third Millennium Business Resource Associates Pvt. Ltd.; **Dr. A.K. Agarwal**, CEO, Autometers Alliance Ltd.; **Shri Karuna Ahuja**, Senior Manager, Human Resources, Evalueserve; **Shri Ashwini Kumar**, Regional Manager, Human Resources, Agility Logistics Private Ltd.; **Shri Gaurav Mehta**, DGM-HR, Reliance; **Shri Puneet Jain**, Senior Manager HR, Reliance and **Shri Vijay Kumar**, Senior Manager HR, Reliance.

Workshop on Intellectual Property Rights meets IT organized

A workshop on ‘Intellectual Property Rights (IPR) meets IT’ was organized, to increase awareness on the subject and its objectives, policies

and implications among the students and faculty members of the University. The workshop was inaugurated by **Prof. P.B. Sharma**, Honorable Vice Chancellor in the presence of **Prof. O.P. Verma**, Head, IT Department and **Dr. N.S. Raghava**, Head, Computer Centre, among others. In his address, **Prof. P. B. Sharma**, Honorable Vice Chancellor, said, “Traditionally, as Indians we have always believed in free dissemination of knowledge for the benefit of mankind but today we are in an entirely different set-up and if we don’t safeguard our intellectual property, it will be claimed by someone else. Hence, it is important for the Universi-



ties in India to include IP education in their course-curriculum.”

He also advocated the establishment of an **IPR Cell** in the university to assist faculty members and students in filling and processing their patent applications.

The day also saw presentations by **Mr. T.C. James**, Director, NIPO on “Procedure for registration of patent - Statutory provisions, Structure of patent application and Introduction to patent drafting”; **Ms. Anita Jatav**, Examiner, Patent & Design, IPO on “Drafting of specifications/claims for product patents”; **Mr. Anant Prakash Srivastava**, Assistant Controller of Patents & Designs, Ministry of Commerce & Industry on “Patenting hurdles in IT & related issues” and **Mr. Saurobh Mishra**, Deputy Manager, Samsung on “IT related issues in IPR”.

Workshop on Earthquake Risk Mitigation organized

A two-day SAARC workshop was organized on 24th and 25th May, 2013 on “Application of science and technology in earthquake risk mitigation for urban agglomerates in South Asia” in collaboration with the university. This workshop was a step forward in integrating the on-going **Disaster Risk Reduction efforts** for earthquake risk mitigation with the benefits of S&T. **Dr. Shailesh Nayak**, Secretary, Ministry of Earth Sciences, Government of India was the Chief Guest and **Prof. P.B. Sharma**, Honorable Vice Chancellor was the Guest of Honor. The workshop began with a welcome address and overview by **Dr. O.P. Mishra**, Head GDD, SAARC Disaster Management Cen-

tre. It featured presentations from various countries including India, Bangladesh, Bhutan, Afghanistan, Maldives, Pakistan, Sri Lanka and Nepal. It concluded with closing remarks by **Prof. Santosh Kumar**, Director, SAARC Disaster Management Centre. Speaking on the occasion, **Prof. P.B. Sharma**, Honorable Vice Chancellor said, “We must integrate our policies and programs for urban development with the disaster management so that we plan for a safe future. There is a need for working together for dealing with disaster management in SAARC countries. This workshop is a step forward in reducing risks for earthquake by integrating the benefits from Science & Technology.”

Conference on Biotechnology and Biomedical Engineering organized

A national conference on **Biotechnology and Biomedical Engineering** was organized by the Department of Biotechnology. The conference was inaugurated by **Prof. S.K. Joshi**, Former Director General, CSIR. Welcoming the dignitaries, **Prof. P.B. Sharma**, Honourable Vice Chancellor said,

“Like Information Technology, Biotechnology also touches the lives of all. It covers everybody, be it humans, plants, animals and even microbial kingdom, an understanding of which can be crucial to solve many of our present day problems. Today’s conference will dwell on what Biotechnology and Biomedical Engineering can offer to make our lives better and create a better world around us.”

The conference covered lectures on: “Science, Education and Research in India” by **Prof. Ramesh Chandra**, Founder Director, Dr. B.R. Ambedkar Centre for Biomedical Research and Professor of Chemistry at the University of Delhi; “Silk-based biomaterials for tissue engineering” by **Dr. Sourabh Ghosh**, Associate Professor, Department of Textile Technology, IIT- Delhi; “Drug development and biomedical technologies: INMAS Perspective” by **Dr. Amit Kumar**, Scientist-C, INMAS,

DRDO and “Nano materials based biosensor for cancer detection” by **Prof. B.D. Malhotra**, Professor, Department of Biotechnology, DTU. **Prof. S. Maji**, Dean, DTU and **Dr. Yasha Hasija**, Assistant Professor, Department of Biotechnology also graced the conference with their presence.



Delegation from University of Birmingham visits campus

Delegation comprising of **Dr. Steven F Quigley**, School of Electronic, Electrical and Computer Engineering and **Ms. Marilyn Miles**, Head of International Business Development, University of Birmingham, UK visited our campus on April 29, 2013 to explore opportunities for collaboration. The Delegation was received by **Prof. P.B Sharma**, Honorable Vice Chancellor, D.T.U. and **Dr. Ruchika Malhotra**, Assistant Professor, Department of Software Engineering. **Prof. P.B Sharma**, Honorable Vice Chancellor, on the occasion said, “*Inter-*

tional Tie Up with leading Science and Technology Universities shall foster new horizons of research and innovations at DTU”. The delegation explored different areas of collaboration with various departments of DTU including Bio Medical Engineering, Computational Intelligence, Computer Security, Energy systems, Material Science, Mathematics and Computing and Robotics and Machine Vision. It was proposed to start a dual degree program: MS in Research and a student exchange program. It was also decided to prepare an MOU on the discussed points.

Accolades at Renesas Electronics Embedded Design Challenge

To develop interest towards embedded systems **Renesas Electronics**, Singapore in association with **Frontline Electronics** had launched the EMBEDDED DESIGN CHALLENGE 2013 on 18th January. With the ground theme as Smart & Green Design, students participated in it using either 16-bit RL78 or 32-bit RX micro-controllers. In the prize distribution ceremony, **Dr. P.B. Sharma**, Honorable Vice Chancellor; **Prof. Rajiv Kapoor**, HOD, Department of Electronics and Communication Engineering; **Ms. Shweta Baid**, University Programs, Renesas Electronics; **Shri M. Balaji**, Technical Director and **Shri Ramkumar**, Frontline Electronics were present along with distinguished faculty members of the college. Remarkably, all the first three positions were grabbed by the students of ECE Department of our university. **Salil Arora**, **Rahl Wahi** and



Satbir Singh, B. Tech. 2nd year, ECE won the first prize for the “*first-ever designed*” Hardware Encrypting Decrypting Device for our National language-Hindi. Appreciating the winners for this idea, **Prof. P.B. Sharma**, Honorable Vice Chancellor said “*Programming originated in Chinese and later it shifted to English. We Indians always followed trends set by British, but still, better late than never, we switch back and honour our*



own language too”. The second position was bagged by **Vaibhav Kapoor**, **Sanjay Singh** and **Rockey Maheshwari**, B. Tech. 2nd year, ECE. They presented their model on Automatic Gardening System broadly outlined on automated care of plants. **Sahil Kaliraman** and **Manoj Kumar** won the third prize for their exclusive design on Automatic Speed Limiter. **Anand**

Kumar accepted the accolade for the Most Interactive Student Mentor by **Prof. P.B. Sharma**, Honorable Vice Chancellor.

ASES Team wins accolades at E-Summit in Taiwan

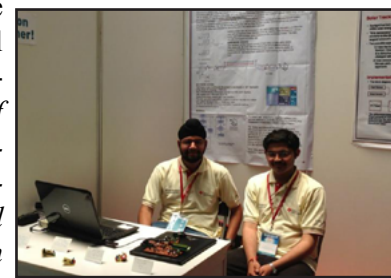
A four-membered DTU team recently took part in an Entrepreneurship Summit held in Taiwan from 6th July 2013 to 12th July 2013. The team of **Akash Jain**, 3rd year, EP; **Kansal**, CE; **Kes**, 3rd year, Shubham 3rd year business competition, **Dee** speaker award and **Shubham Chauhan** was a part of the winning team in the business competition.



comprised **Jain**, 3rd year, **Deepali** 2nd year, **hav Goyal**, ME and **Chauhan**, CSE. In a competition, **Kansal** won the best

Students shine at TI Electrical Analog Design Contest

Jaspreet Singh, 3rd year, EEE and **Rohit Gupta**, 3rd year, EE under the guidance of **Dr. M. Rizwan** won the consolation prize at **Texas Instruments Analog Design Contest 2013**. The brilliant duo made an innovative, one of its kind project on “*Multi nodal telecommand & telemetry system*”. “*The main objective of the project was to develop and integrate a low power telecommand and telemetry system. It involved developing an unit for collecting various sensor parameters from multiple remote station (e.g. Voltage, Temperature, Humidity etc.) and wireless transfer of the data to a central station. The data thus obtained is available to the user via a GUI running on a Windows based system developed by us.*” described **Jaspreet Singh**, vividly.



Clean India Campaign organized



With a view to promote a cleaner India, **NSS- DTU** in collaboration with **IMAGINDIA** Institute organised “*Clean India Clean with me Campaign*”. The campaign was inaugurated by **Prof. P. B. Sharma**, Honorable Vice Chancellor, DTU and **Shri Robinder Sachdev**, President, IMAGINDIA Institute. The event saw participation of more than 200 students of DTU, faculty members and students from Delhi University.

6 TECH TEAMS

A^{UV}

The Autonomous Underwater Vehicle Team constitutes students from faculties like Electronics, Electrical, IT and Mechanical Engineering under the Faculty Advisor Prof. R.K.Sinha, HOD Applied Physics Department. The team aims to design and develop a fully functional AUV of international standards. This AUV should be capable of performing shallow water operations involving autonomous control, target localization, positioning, and underwater communication, without the involvement of a human operator.

Currently they are working on a new AUV with a completely novel mechanical design, a robust power distribution system, and are attempting to develop an indigenous acoustics positioning module, besides.

Recently the team stood 1st in the PHASE-II of SUAV 2014 (Student Autonomous Underwater vehicle competition) and qualified for the finals.

D TU MINI BAJA

Consisting of 15 student members, **Mini Baja** is an elite team that designs, engineers and manufactures vehicles worthy of facing the perilous off road trails that Baja (A competition organised by the Society for Automotive Engineers in India as well as internationally) exposes them to. The DTU Mini



Baja boasts of a rich legacy that is supported by a large number of accolades and awards gathered since its inception as DCE Mini Baja.

The team has dedicated the span of 2012-2013 for engineering a new vehicle. It hopes to put up a spirited performance in the Baja India 2014 and Baja USA 2014.

“Joining this team exposes the students to the thrills of the automotive industry. It allows them to flaunt their skills and creativity. We use state of art software for designing our vehicles and also fabricate sophisticated equipment.” says Rishi Raj Asthana, a member of the DTU Mini Baja Team.

E -CELL

Entrepreneurship-Cell, DTU or E-Cell is a non-profit organization that aims to stimulate the hidden entrepreneurs in students and invoke an entrepreneurial spirit on a common platform. Every year, E-Cell organizes a host of events, E-Summit being the prime event which includes events like B-Plan competitions, Panel Discussions and various interactive sessions with top-notch entrepreneurs, corporations, eminent business personalities and professionals. Apart from inspiring and motivating students, some initial support to the



budding entrepreneurs in the form of seed funding, mentoring, consultancy and networking is also provided through sponsors.

E-Cell takes pride in the fact that it has cleared the air surrounding ‘entrepreneurship’ and has made a conscious effort to inspire more and more students to take up entrepreneurship as a career by establishing start-ups, aiding them in conceptualizing and executing their plans by fine-tuning their strategy and bring them on a platform where they can interact with the industry and hence further hone their enterprising skills. E-Cell brings together professionals and students under the same roof during various workshops, speaker sessions and discussions, to help them understand the conditions in field.

S OLARIS

The Project Solaris is a recognized student-faculty run research project at the university. Initiated in the year 2006, the Project aims



at developing a highly efficient passenger solar vehicle and to provide a breakthrough in Solar Technology. Fuelled by its members’ passion for environment-friendly and sustainable technology, the

team is dedicated to encourage the use of Solar Technology to meet the energy requirements. Having developed four vehicles till date, the team has gained recognition as a pioneer in the field of Solar EV technology. Solaris team marked remarkable success in the South African Solar Challenge 2012 where it showcased India’s first Solar Passenger Vehicle – Arka launched by Shri Pranab Mukherjee, President of India at the Rashtrapati Bhawan. Currently the team aims to develop a racing solar EV for participation in the American Solar Challenge in 2014. Solaris aims at harnessing solar power to cross the speed barrier of 100kmph on road.

U AS-DTU

Unmanned Aerial Systems- Delhi Technological University (UAS-DTU)

is a team of undergraduate students, focusing on the development of a new generation of low-cost indigenous technological solutions for UAV’s made for Intelligence, Surveillance and Reconnaissance.



The team, under the mentorship

and funding from Lockheed Martin USA, has recently developed a Next-Generation Urban UAS, the Aarush X-1. It was granted funding worth \$350,000 in 2009 under an MoU between LMC and DTU, which was renewed for two more years in 2013, further granting \$200,000.

UAS participated in the annual AU VSI Student UAS Competition, in which it ranked 3rd in 2012, its best ever performance. For the 2013 edition of the competition, the team has designed, and carried out total in-house fabrication of a brand new UAV- the Survivor X-1, made from advanced composites, fitted with a high quality DSLR camera for surveillance and the Piccolo II, a robust autopilot for accurate waypoint navigation, auto-takeoff and auto-landing of the UAV.

The team aims to capture India’s growing need of UAV’s in the mid-size segment, moving forward to further push the Aarush X-1 prototype into a production model with the help of Lockheed Martin and a future industry partner.

A **SME**
ASME (American Society for Mechanical Engineers) is a not-for-profit membership organization that enables collaboration, knowledge sharing, career enrichment and skill development across all engineering disciplines; working towards a goal of helping the global engineering community develop solutions to benefit lives and livelihoods.



ASME DTU Student Chapter conducted a comprehensive field trip to the PPCL Power Plant located in Bawana, Delhi. This year's tech-fest season saw avid participation from the ASME DTU Student Section. Junkie-e-ard was a runaway success. Dream City tested participants on their planning and designing skills for city residents. Clay Play successfully created a magnificent platform for the students to show their creativity and their aerodynamic concepts while modelling clay cars!

S **iam**
Society for Industrial and Applied Mathematics fosters the development of applied mathematical and computational methodologies needed in various application areas. SIAM DTU aims to bring together students with interests in the fields of pure mathematics, applied mathematics, computation and statistics and create a community that will fulfil SIAM's mission – To build cooperation between mathematics and the worlds of science and technology.

The society organises guest lectures and interactive discussions to help students get acquainted with the latest developments in education and industry. Events like quizzing and case study competitions are conducted that focus on the all round development of the student members. Members get easy access to various journals and newsletters on the field of technology harboured by it.

I **EEE DTU**
IEEE(Institute of Electrical and Electronics Engineers) and its members inspire a global community through IEEE's publications, conferences, technology standards, and educational activities. IEEE DTU is one of the most active societies of DTU. SIGs organized by the senior IEEE members for the new entrants to the fraternity, cater to the development of skills in a particular technical or managerial area like robotics, programming, web development and design, animation etc.



Various activities undertaken by IEEE are TECH-WEEK - representatives from the industry conduct workshops to increase awareness about new technologies. Repertoire is the annual business and managerial fest, with events like PANACHE, the multimedia quiz; BULLS 'N' BEARS, the online stock market

simulation and SPAVE. The annual technical festival, TROIKA with events like radix, brainwaves, envision, design pro, bits bytes bots etc.

I **ET-DTU**
The IET-DTU(The Institution of Engineering and Technology) student chapter organizes workshops in various fields like robotics, gliders, C/C++, Resume Building, Group Discussions, Personal Interviews, quizzes, Adobe after-effects etc. It also gave a chance to students to work on projects like Energy Saver and Smart Green Vehicle.



The Institution of Engineering and Technology

It also organized its techweek, Armageddon- A series of workshops on animation, energy saving open hardware construction, robotics and gliders in association with UAV. The annual Techno- Management fest of IET, Renaissance was organized under the apt tagline of "Infinite Innovation" with an array of events both in technical field like robotics, open hardware challenge, transmission line design, technical paper presentation as well as non-tech events like anti-chess, LAN gaming, quizzes, ad-mad etc. Students getting official IET membership get magazines, research journals etc from leading experts in their fields.

K **ARTAVYA DTU**
Kartavya is a Non-Governmental Organization aiming to better the living standards among urban poor living around the college campus. Kartavya envisions to uplift the marginalized citizen living in slum/village which can be realized by providing them quality education, vocational training and healthcare. Kartavya inspires the students to realize their kartavya, or duty. The entire management of the society is handled by college students. The activities like Plant drive, Book and Cloth Donation drive are organized by it all round the year. Week long self defense workshops are held to make women more alert and self-dependent as is the need of the current times. Also TEACHING is done on the campus and nearby areas for free by college students to educate the under privileged students. This noble cause realises RIGHT TO EDUCATION for all those who cannot afford to go to school.

R **OTARACT CLUB**
The Rotaract Club presents an opportunity to make a social impact. This



club is under the esteemed guidance of its parent club, Rotaract Club of Delhi Regency, where everyone shares the same passion towards serving the society. Shri S. Anbu, Civil Engineering Department is the faculty advisor.

This year the Club has organized a plethora of activities. The Blood Donation Drive witnessed an overwhelming turnout. The Eye donation awareness campaign was exemplary and gave a peep into the noble cause. This year the club also worked for uplifting the underprivileged, by working in collaboration with Navjyoti India Foundation, an NGO headed by Dr. Kiran Bedi.

C **SI-DTU**
Computer Society of India's DTU chapter, also known more informally as CSI-DTU, is one of the top-notch technical societies of our college. This society witnesses a diverse inter-disciplinary mix of students. CSI-DTU organizes various events all year round, starting from the "Fresher's Week". Avant Garde, the tech-week of this society, hosts a plethora of technical as well as non-technical events. Phoenix, is the annual techno-management fest of CSI-DTU. Also a pre-fest week named Essencia, aims to acclimatize the students to what is in store for them in the tech-fest.

CSI-DTU has organized many a successful workshops on topics such as Hacking, Surface Computing, Web Designing, Augmented Reality, etc. CSI-DTU also organizes workshops for GMAT, GRE preparations. Besides organizing events, CSI also runs Interest Development Groups (IDGs) which involves seniors imparting knowledge on various topics such as JAVA, C++, Web Designing, Public Speaking, etc. to the juniors.

S **AE**
SAE (Society of Automotive Engineers) is a professional engineering society whose membership represents practically every engineering and scientific discipline. Its members combine their specialized abilities to further advance the research, development, design, manufacture and utilization of vehicles which operate on land, water, air and space.

This society boasts of 5 major international Projects including Formula Student, Mini Baja, Supermileage Vehicle, Defianz and the AUV team. The society is actively involved in the organization of InnoVa, The annual technical festival of Mechanical, Civil and Production Engineering departments. Numerous industrial trips have been organised under the aegis of SAE-DTU.

S **SE**
Society of Software Engineering dedicated to advancing software innovation and excellence for the benefit of students, the SSE-DTU provides a great platform to enable students to realize their true potential by bridging the gap between theoretical and practical knowledge. The society organizes a number of technical events round the year along with industry academia meets that enrich the student fraternity immensely.

8 BANDS ON CAMPUS



Our campus has many talents living on it. Some let the fire cool down; some make the most of them. Many students sing, play acoustics, have rhythms flowing in their veins, but only few have the courage of taking it head-on and form a band. So in this section, we bring to you the four awesome bands on campus. The DTU-Times Team caught up with these bands and had a brain storming session quizzing them on their formation, hardships faced, current scenario of Indian Music and their future releases.

So, here's presenting what we will call the MUSIC LEGACY of our college! Tune in, let the rhythm flow!

ANDH VAAS:

Andh Vaas is the Hindi-Rock band which took flight in the year 2011. Aditya Gopalka, 3rd year, AE plays the keyboard; Akash Goel, 2nd year, COE is the lead guitarist; Hursh Hazari, 3rd year, PCT is the drummer and Lokesh Mishra, 2nd year, EP is the vocalist and rhythm guitarist.

"We would like to believe that it is somewhere between alternative Hindi rock to Sufi or better as it is evolving", says Lokesh.

Aaja Piya, their recently released first song is a soft, romantic song. This song is about the little things that we ignore when we fall in love, about the joy of life and the lack of it at the same time.



When asked about their inspiration and the current state of the music in society, the members were saddened by the society's habit of feeding its music needs by Bollywood.

Nonetheless, the band constantly takes inspiration from the rare but still out there people who look for music that is pure, serene and unadulterated and see music as divine.

The band is happy with the part it plays in the upcoming wave of change in the Indian Music and has amazing future prospects with another track all ready and soon to be released.

Like the band on www.facebook.com/AndhVaas.

CORRODED METAL:

Another band kick-starting in 2011 as the calendar changed years with their influence including Lamb of God, John Petrucci, Opeth and Iron Maiden is Corroded Metal.



The band has a Lead guitarist in Abhishek Singh, 4th year, EEE; Tanay Bahl, 4th year, ME as the Rhythm guitarist; drummer in the form of Siddharth Kairon, 4th year, ENE; Anubhav Awasthy, 4th year, ME as Vocalist and Jayant Kujur, ECE 2007 Batch on the Bass.

Their big start off was getting shortlisted for the Battle of Bands, IIT Kanpur, this being the first performance of the new members viz. Adheesh Agarwal, ME as the rhythm guitarist and Balaji Ramesh, ECE as the drummer both from the batch of 2013. The recent changes have seen a shift in the roles as Siddharth is the new bassist after Jayant and Tanay left.

Their first ever song was 'Revenge of the Phoenix' followed by 'The Vermin called Love'. 'Blood Illusion' and 'Unchained Virtue' are other two tracks which they have performed but yet not recorded. When asked about the current status of music in society they advocated support from local people for Indian bands. Also, people should explore their taste in music and diversify in that context by trying out music from different genres and countries.

In the future they look forward to recording and composing as they have songs like 'This is war' on their list of upcoming tracks.

You can listen to their songs on www.facebook.com/corroded.metal and www.soundcloud.com/corrodedmetal.

MUSIKANOVA:

Musikanova is a Hindi Rock band with all second years jamming for a year. It has Lalit Singh, ECE; Abhishek Pawar, EP; Prateek Chachra, ECE; Kunal Dutt, ME; Vineet Mathews, ME; Aman Aggarwal, MCE; Arihant Kumar, ENE playing various roles.



The band has composed a song which goes by the name 'Ek khwaab sa'.

Musikanova members seem to be fairly happy about the current music status in India but accept that explo-

ration of all genres and variety is required.

The future aspirations of the novice band are high as they are planning to perform in the college itself soon with a song called 'Aadatein Badalti Nahi' as their upcoming track.

OUT DRONE:

Out Drone, the all second year band is an alternative rock band which tends to go on the heavier side. It was formed in 2012 and has Ankit Kumar, SE as the vocalist and rhythm guitarist; Aman Agarwal, MCE as the lead guitarist; Vineet Mathew, ME as the drummer; Saurabh Dubey, ME as the keyboard player and Prateek Chachra, ECE as the bassist.



'Maula Mujhe', their recent track is in the final stage of mixing and recording. They are happy

about how things have worked out for them and with the support they have got over the year.

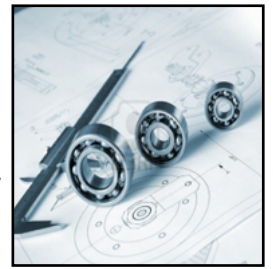
This summer seems promising for them as they plan to release their first song and then work on some other music and perform gigs here and there.

You can catch them on their Facebook page www.facebook.com/out-droneindia

MECHANICAL ENGINEERING

Mechanical engineering is a discipline of engineering that deals with the analysis, design, manufacturing, and maintenance of mechanical systems. Mechanical engineers have to deal with concepts such as mechanics, thermodynamics, robotics, kinematics, structural analysis, fluid mechanics and many others. Mechanical engineers use these core principles along with tools like computer-aided engineering and product lifecycle management. Mechanical engineers are now focussing their attention towards new areas of research such as nanotechnology, development of composite materials, biomedical applications, environmental

conservation, etc. “Mechanical Engineering is arguably the most aspired branch of engineering at the University. Students pursuing this branch are presented with a wide range of fields of expertise to choose from both during their studies and placements with companies like **Maruti and Brahmos Aerospace** lining up to pick up their share of talented students.”



Production engineering is a combination of manufacturing technology with management science. It includes integration of resources, designing, implementation and refining products, services, processes and systems, forecasting and analyzing demand, and staying up to date with technological developments. A production engineer typically has a wide

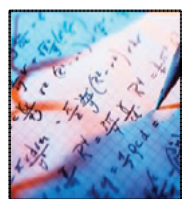
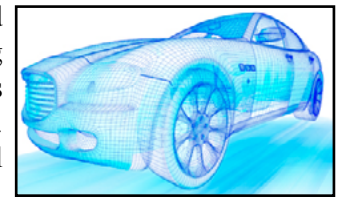
PRODUCTION AND INDUSTRIAL ENGINEERING

knowledge of engineering practices and is aware of the management challenges related to production. It is concerned with the development, improvement, implementation and evaluation of integrated systems of people, money, knowledge, information, equipment, energy, materials, analysis and synthesis. Technical companies like **Maruti, Honda, AIG** and Non-technical companies like **TCS** have been recruiting students over the years.

AUTOMOTIVE ENGINEERING

Automobile engineering or automotive engineering is the branch of engineering which deals with the study of design, manufacture and operation of automobiles and also their respective engineering subsystems. An automobile engineer's main duty is to **design, test and develop** vehicles and components from concept stage through to production stage. Apart from jobs in various car companies, one can also find jobs in ser-

vice station, private transport companies and **Defence Services**. This field of engineering was introduced in the university four years ago with its first batch successful placed. The stream has huge scope in India as well **abroad**



The curriculum for this program is designed to meet the need of sophisticated mathematics in modern scientific investigations and technological innovations. The programme has three components: mathematics, computing and financial engineering which are perfectly blended so that the strong mathematical and analytical components

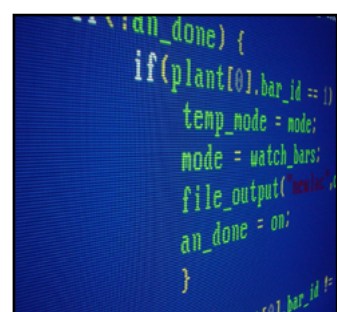
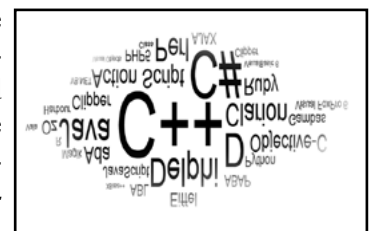
MATHEMATICS AND COMPUTING ENGINEERING

that are in-built in the curriculum form the basis on which the technological aspects of computing and finance are developed. Graduates of this program are equipped for opportunities in **Investment banking, Financial & Business Analysis, Data Analysis, Quantitative Financial Analysis, Information Technology, Computer Networks, Operating Systems, Database Management Systems, Operations research** etc.

COMPUTER ENGINEERING

A comprehensive course in **computer engineering** deals in important programming subjects like data structures, analysis and design of algorithms, discrete mathematics, cryptography provides the students enough opportunities to prepare themselves for solving real life programming problems. The curriculum is a mix of old and new having courses like operating systems, software engineering, with the fundamental subjects of computer hardware like computer system architecture, digital electronics, analog electronics. Research in CS is interdisciplinary and very

diverse. From molecular DNA to game theory to the way casinos work, CS theory is finding its applications in any and every field of the daily life! Some of the best of software companies visit the campus. **Facebook, Microsoft, Google, Adobe...**the list goes on.



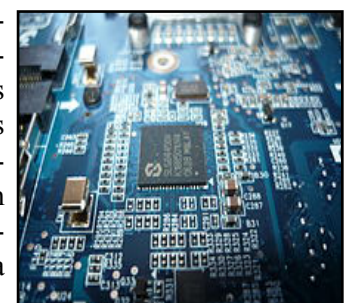
Software's have become an inevitable part of our lives. Be it the common cell phone, an Xbox or a sophisticated rocket launching machine, all runs some specific software, and hence this lays more stress on the development of software's by software engineers. Here at DTU, Software Engineering is a discipline which provides its students with knowledge on a plethora of

subjects. If you actually like to make programs, see how they work, and you are more into the software part of the computer that does not involve that much math and physics, then this is the branch for you. This branch has seen a phenomenal growth in terms of research and development, future prospects, job opportunities, popularity amongst the students, pay packages, etc. Recently, the branch has seen some tremendous improvement in its placement record, with three final year students bagging pay packages of **Rs. 60 lakhs per annum**.

ELECTRICAL AND ELECTRONICS ENGINEERING

Electrical and Electronics Engineering (EEE) is a combination of courses both from Electrical and Electronics Engineering. One of the toughest streams of engineering, it has its course structure quite similar to electrical engineering, though they later diversify in their respective fields. EEE students enjoy the benefit of jobs in various sectors of the industry. There are ample job opportunities in the PSUs like **BHEL, NTPC, NHPC, ONGC, IOCL, GAIL** etc. There are jobs in the private sector in companies like **Samsung, Alstrom, L&T, Tata Steel** etc. Also, the students can apply for jobs in civil services like Indian Railways and

other government jobs in telecommunications etc. Apart from these, there are various non-technical companies and banks which accept EEE students for campus placements. As it is a blend of both electrical and electronics, EEE students enjoy an advantage over pure electrical or electronics branches and due to this reason, this is a branch with a bright future.



10 BRANCHES@DTU

INFORMATION TECHNOLOGY

This field of engineering involves planning and building networks, maintaining and managing computers, and so on. A degree in **Information technology** concentrates more on the business and communication applications of computing. In this branch, the students are taught about wide range of interlocking technologies including, computer controlled technology, computer networks, web based applications, designing computer systems, embedded systems & information transmission and recep-

tion. IT engineering basically integrates computer science into the business world for automated solutions. This is a very **vital field of engineering** as it caters to the growing technological demands of the dynamic and fast changing world of business and commerce.



Chemical engineering is the father of polymer engineering, which involves designing different types of synthetic material. Demands from a variety of industries such as those of the **transport sector, aerospace, automobile, household appliances and goods, packaging and electricity and telecommunication, Chemical, Pharmaceutical, Biomedical,**

POLYMER SCIENCE AND CHEMICAL TECHNOLOGY

Cosmetics, Plastics, petroleum, Coatings have enhanced research and production, hence creating employment in all sectors of the industry. Opportunities for work exist in technological applications, R & D, production and marketing in industries that use these materials or those engaged in the production of synthetic fibers and textiles, synthetic rubber, plastics, household goods, specific products like **fishing rods, bicycle, sports equipments** etc.

BIOTECHNOLOGY

Biotechnology is the technology of biology and the scope of both put together. On one hand, it caters to the industrial sector such as food and beverages industry, textiles industry, biological products, medicines and pharmaceuticals & cosmetics while on the other hand this branch of science caters to the requirements of agriculture, animal husbandry, nutrition and environmental conservation. Although, the name may suggest that this branch of science is steeped in biology but this is not the case.

Apart from biology, this branch of science also assimilates diverse subjects like physics, chemistry and mathematics. Some major companies in the field are present viz **Biocon, Serum Institute of India, Panacea Biotech, Mahyco Monsanto Biotech, Rasi Seeds, Novo Nordisk, Aventis, Indian Immunologicals, Venkateshwara Hatcheries, Ranbaxy.**



Civil engineering is a professional engineering discipline that deals with the design, construction, and maintenance of the physical and naturally built environment, including works like roads, bridges, canals, dams, and buildings. It is traditionally broken into several sub-disciplines including environmental engineering, geotechnical engineering, geophysics, geodesy, control engineering, structural engineer-

ing, biomechanics, nanotechnology, transportation engineering, earth science, atmospheric sciences, forensic engineering, municipal or urban engineering, water resources engineering, materials engineering, coastal engineering, surveying, and construction engineering. Core companies like **L&T, Wapcos** and many others have been recruiting civil engineers. The Civil Engineering Department conducted its regular Survey Camp from the 10th to 21st of June. The students made trips to Bangalore, Mysore and Ooty for completion of the Survey Camp.

CIVIL ENGINEERING

ENVIRONMENTAL ENGINEERING

Environmental engineering is the integration of science and engineering principles to improve the natural environment, and to remediate pollution sites. Furthermore it is concerned with finding plausible solutions in the field of public health promote adequate sanitation in urban, rural and recreational areas. It involves waste water management and air pollution control, recycling, waste disposal, radiation protection, indus-

trial hygiene, environmental sustainability, and public health issues as well as a knowledge of environmental engineering law. It also includes studies on the environmental impact of proposed construction projects. Core companies like **EnviroGeo, Wapcos** are among regular recruiters.



Engineering physics is the study of the combined disciplines of physics, engineering and mathematics in order to develop an understanding of the interrelationships of these three disciplines. Additional knowledge is provided in the electronics field. Fundamental

physics is combined with problem solving and engineering skills. Career paths for Engineering Physics are usually engineering, applied science or applied physics through research, teaching or entrepreneurial engineering". This interdisciplinary knowledge is designed for the continuous innovation occurring with technology.

ENGINEERING PHYSICS

ELECTRONICS AND COMMUNICATION ENGINEERING

Electronics and communication, is an engineering discipline where non-linear and active electrical components such as electron tubes, and semiconductor devices are utilized to design electronic circuits, devices and systems, typically also including passive electrical components. The term denotes a broad engineering field that covers important subfields such as analog electronics, digital electronics, embedded systems, signals and systems, control engineering, instrumentation engineering, computer

engineering, VLSI Design engineering and power electronics. Course work includes electromagnetic, signals and systems, network analysis, electronic circuits and devices, control systems among others. Core companies like **Qualcom, Texas Instruments and Consultancies like Deloitte, Accenture** are regular employers.



Electrical Engineering deals with large scale electrical systems and processes as well as generation, transmission and distribution of power. Electrical Engineering course involves a lot of maths and physics based subjects. It involves subjects from other branches of science too, especially electronics. As far as jobs are concerned, EE has a lot of opening in

government jobs. PSU's now take students on the basis of their GATE score but there are other electrical companies which come for campus placement too. Private companies include **L&T, GE, Siemens, Alstrom, Tata Steel** etc. Apart from this, students can also try for **IES (Indian Engineering Services)** which includes **Indian Railways**. Also the students are open to apply for non-technical and management companies at the time of placement.

ELECTRICAL ENGINEERING

HOSTEL CRICKET LEAGUE organized



"All work and no play makes Jack a dull boy"

Justifying this quote **Hostel Cricket League** was organised in our university. The inaugural match of HCL started on **4th April 2013** under the supervision and support of DTU Student Association. It witnessed teams from each hostel sweating it out to win the battle of the league. JCB and BCH Hostels started as the favourites. The 8 hostels were divided into **2 groups**, each group comprising of 4 teams. Group A comprised of JCB, BCH, VVS and Ramanujam while Group B included CVR, VMH, Aryabhata and HJB. Top two teams from each group qualified for the semi-finals. JCB, BCH, CVR and VMH qualified from Group A and Group B respectively. The first semi-final witnessed VMH defeating BCH. CVR defeated VVS in the second semi-final. The finale was a one sided affair with CVR winning comprehensively. Anukrit Anil, captain of CVR was adjudged the man of the tournament.



Intra-DTU Badminton Tournament organized

The university organised INTRA COLLEGE BADMINTON TOURNAMENT from **18th to 23rd March, 2013** under the aegis of Mr.

Nikhil Mittal, Captain, Boys' Badminton Team and Ms. Ishaani Mittal, Vice-Captain, Girls' Badminton Team. With a participation of about 120 students from all branches, the tournament was a huge success. The Chief

guests of the event were **Prof. P.B. Sharma**, Honorable Vice Chancellor; **Shri. R. P. Aggarwal**, Chairman, BoM- DTU; **Dr A.K. Shrivastav**, Di-



rector of Sports; **Dr D. Kumar**, Chairman, Sports Council and **Dr Raghendra Gautam** were other chief invitees.

In the words of the captain, *"The badminton team is overwhelmed by the great response. This was the first tournament held in the newly con-*

structed indoor multi-purpose hall. We look for more participation next year."

The winners of the tournament were **Anu Sachan**, 2nd year and **Ayush Goyal**, 1st year with **Suruchi Jain**, 4th year and **Kartikeya**, 2nd year as runners-up.



Tete-a-tete with Prem Bhaiya



With exams just a few days away, comes the realization that we don't possess supernatural powers and the time has come to kick-start the '**photocopy season**'. That is when you go to Prem Bhaiya (if you can enter the overcrowded photocopy shop without any injuries, that is). If there is one person who makes our examination days easier to bear, it is Prem bhaiya. Working for the past 7 years in our college, you would have seen him work day and night. During the day time, he is found photocopying all our notes, while at night, he serves us the much needed midnight snack

at the night mess.

He talks to us about his experiences in our college:

DTU Times: How long have you been working in the campus?

Prem Bhaiya: I am about to complete 7 years here.

DTU Times: Tell us about your experience in the college?

Prem Bhaiya: Working in the college has been an amazing experience. It feels great to help the students in all their requirements. Since the number of students have increased this year, it becomes difficult to befriend each and every student. However, most of the students are extremely friendly and nice to talk to. The most important part in our job is the service timing. When we serve well, we are rewarded. On other occasions, we are reprimanded for being slow. But all in all, these 7 years have been fantastic.

DTU Times: Any particular incident that you'd like to share?

Prem Bhaiya: There have been many incidents, both good and bad. The friendly nature of most of the students has helped me face the bad experiences. The M-Tech students are now like family to me.

DTU Times: Any changes that you'd like in college?

Prem Bhaiya: A reduction in the number of incoming students would definitely be welcome (laughs). Apart from that, everything is good. Both, the students and the staff have been extremely cooperative and have supported me through thick and thin. It feels good to have worked here for 7 years now and I hope it continues in the same way.

12 DOWN THE MEMORY LANE

My freshman year was a perfect concussion of friendships, hardships, education, acquiring wisdom, merriness and enjoying a new found freedom. Penning down the umpteen experiences is impossible. However, when they echo from the walls of this amazing place, they always bring back a pile of fond memories. It was a fragment of my life that taught me the most.

-Parin Agrawal
3rd year, MCE

As an enthusiastic fresher, DTU was a fantasy land with its myriad of winding roads, the elusive lake enveloped by thick foliage, the chaotic yet enticing Mech-C, the CC roof with the breathtaking view of the OAT, the seemingly forever locked labs with the dusty and forlorn looking machinery. A step inside DTU and I could not help being awed by the scenic beauty.

-Damini Goel
3rd year, PIE

My freshman year at DTU is marked by fond memories of days bringing in laughter, enjoyment and a few hectic nights (blame examinations for that!). I would like to sum up by saying- The show's not over yet!

The first year at DTU was by far the best, and was a nice learning experience. It taught me how to maintain the essential balance between my responsibilities and the freedom I now had. Also, I made some really wonderful friends, who besides being fun to be around, continue to inspire me to bring out the best in me.

-Anshul Rawat
3rd Year, COE

It was a whole new roller coaster ride. Even though it took me time to get familiar with the routes, terms like Nesci' and Mech-C and avoiding the 'shout-outs' by maggi baba. Referring to seniors as ma'am/sir, hanging out with friends etc but looking back, it is all worth it!

-Isha Gupta
3rd year, EE

A year at DTU has taught me more than I could have ever imagined. Friendships forged, naivety lost, mistakes made and corrected - there's been so much more to these few months than just Semester exams. Farewell, thou fragment of delicious elucidation; this journey has but only begun.

-Aradhana Gahlaut
2nd year, ENE

DTU has given me a memorable first year of college life, but one of the most treasured incidents was when we had a tree plantation drive for "Go Green".

We were informed to gather at the Swarn Jayanti for the tree plantation drive. Little did we know that the park on the way towards the Sister Nivedita hostel has this name. We all went to the Japanese Park, waiting for our fellow mates to come.

-Prerna Batra
3rd year, BT

With your friends, you usually forget the ticking time, and it went on to get darker. Finally we called up our senior who told us the blunder we had done. We rushed back to the college, but the drive was already over.

All charged up for the first day in college, everything didn't go as planned. Had to wait 45 minutes at the bus stop for the very first bus ride in my life and when it finally arrived, with people hanging out of the door, well, let's just say it sends a shiver through your heart. Then, the bus broke down in front of Sachdeva School with smoke everywhere so travelled the rest of the way in Gramin Seva for the first time, with 15 other people. Never a dull moment here!

-Namrata Yadav
3rd year, EE

Survival being a dropper is a tedious job. Especially after leaving your previous college friends, band and super memories. But fortunately DTU has become a second home. People here being so awesome has helped me in adapting quickly. Now finally being a senior, let's see what's more in store!

-Ankit Kumar
2nd year, SE

I know I wanted to come here for the first time. From getting appreciated forming solo at OAT for from the amazing friends I had hated for years, to who never said no for a First year was as good as



here the moment I entered the college. And I never regretted my decision for my dance in my audition to perform the crowd that seemed to enjoy it; felt in love with Holi, a festival that meeting with some amazing seniors treat to the dedicated professors it could be!

-Shivance Patiyal
3rd year, EE



CAMPUS HOTSPOTS

MAGGI BABA: Best known for: His amazing maggi and tea at the time when we need it the most and his hilarious vernacular.

WIND POINT: Best known for: A breath of strong fresh air (literally) even in the driest of days and amazing practice dance performances.

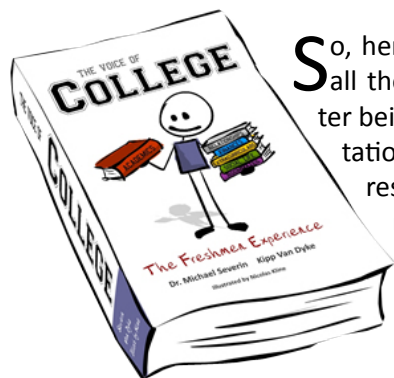
OAT: Best known for: Its luscious green carefree environment, particularly in the winters or late in the evenings.

MECHANICAL CANTEEN: Best known for: Economical delicious food ranging from the famous chilly potato to the mouth-watering paneer naan.


14 POTPOURRI


WELCOME FUCHCHA LOG

-Namrata Yadav, 3rd year, EE



So, here you are! After years of hard work, all those tests at the coaching centers, after being used as guinea pigs for experimentation with our education system, after resigning yourself to the fact that you might not get into IIT after all, you are finally here. **Congrats!** Remember your parents told you these past two years to “**study hard so you can get a good college and relax**”. Well guess what? Soon that advice will be replaced by “**study hard for the next four years so you get a good job and relax**”. Feeling cheated? Yeah, tell me about it. So now that you are here and feeling all excited about the upcoming “**entry into the real world**” as emphasized millions of times in your school farewell, here’s a preview of what your first few days in college will be like.

 **DTU is beautiful.** The first time you enter those gates to the tree-lined lanes with dried leaves on the ground, the first time you look around the OAT, enter the auditorium for your orientation, take a walk around the college, enter the library, it’s priceless. Cherish it. Because you will spend the next four years thoroughly disgruntled about them all and bickering about the college is every DTUites favourite pass-time.

 We have an amazing canteen called the **MechC**, with its easy-on-the-pocket and tasty food. Your first few days will be spent trying to taste all the stuff on the menu; if you manage to elbow out your fellow students to reach the counter to get a coupon, then winning a full-on wrestling match on your way back and then the same procedure to collect the food, only this time it gets trickier as you have a hot plate of food to balance. Wishing for queues? Are you kidding! This is India. Most of the people can’t even spell that!



Aah the classes! Where engineers are really made. Allow me to quote my first-year maths lecturer on our very first class. “Most of you come here with brand new registers and multi-coloured pen. After a month most of you will come without a bag and only that register. By the end of the semester you will come without anything, sleep at the last bench, wake up for the roll-call and dash out after that.” So what happened with the brand new register? Well that’s what it still is- brand new.



And the labs! This is where you get your first doubts if you really are meant to be an engineer. Are the Newton’s rings supposed to be invisible? Does it really take that long to cut out a metal piece in fitting shop? If I get only red and green is it still a spectrum? Oops what is that burning smell- did I do something to the variac in electrical lab? And you might go an entire semester in the ED lab and still not know how to use the circle master or the set squares or what the hell French curves are!



You might have already shopped for new clothes in the vacations. Good, there’s no need to feel inferior to those DU kids flocking Sarojini Nagar, Kamala Nagar, Lajpat Nagar and all. Bring on the **fashion brigade!** But one of the many things you realize in your time here is that after a while you get comfortable in your own skin and a casual look will do. OR you could dress up well and then talk about the rest of the college having a horrible dressing sense. You spent your entire school life in a uniform. Bring out some originality now people!



Last but not the least, **the seniors.** Well ragging is a punishable offense out here and you will most probably shuffle about trying to avoid seniors. But then later you will crave some sort of interaction with them. Watch out who you give an intro to though, or you might end up being one of the unfortunate few who give an intro to another first year!

With that, we all seniors welcome you to DTU. Have a great fuchcha year ahead!



MOVIE REVIEW: MAN OF STEEL

-Deepak Malyala, 2nd Year, EEE

The long awaited **Superman** movie is finally here and has mixed reactions from everyone. I had the opportunity to catch the first show of the launch day and as amusing as it may sound it didn’t meet any laid expectations. Comparing it with the marvel comics characters like **Iron man** or the **Avengers** this movies does not grip the viewer and does not even meet the benchmark set by the fellow **DC Comics** series **Batman**.

The movie is interesting at some points but the well known story of **Clark Kent** aka Kal-El takes the entire first half of the movie, which may not be that fun as most of us already know the story. The good thing



about the movie is its nicely choreographed and well-directed action sequences. The actors come as a positive side as they have acted nicely though the story line might hinder their exact potentials. The very common US reaction to any situation is seen as they mobilize the national guard at the news of aliens.

A well directed movie and according to many a good change after the previous failed attempt to reprise the superman series, the movie is good for those who want to see a new superman but you won’t get the rush like you get when you watch a Iron Man movie or even the Avengers.

Save these in your phones



A **hostel van** is available from 6pm to 6am at Ramanujan (Transit) Hostel to meet any medical emergency of the student.

Details of van driver -

Mr. Samsher Singh – 9868998781



The **medical shop** near the college (Mahadev Medicos) does home delivery in the DTU campus:

011-27850418

0-9212172733



Newspaper:
9873785728



Dominos:
011-275741-(15-22)



Police
100



Apsara:
011-27883940

MONSOON MEMORIES

-Isha Gupta, 3rd year, EE

Bhutta, pakore, pizza, jalebi, maggi! Wow! All right, don't judge me as of yet. I may sound like a glutton but I am just trying to get you to appreciate the *monsoon season*.

Just looking at those tiny raindrops on my windowpane, I am lost in a reverie. It has been 2 years since my first encounter with the rainy season in DTU when I came for my counseling. From that day forth, I fell in *love* with our campus. Every part of the campus looks so much more alive when it rains.

It rained almost every time we had our physics lab in the first semester before lunch. Lots of coloured umbrellas, overcrowded Mech C (yes, it is possible) and people waiting in the cars and departments' shelter for the rain to stop. I did have an umbrella in my bag (old habits die-hard) but I seldom used it for myself. I would walk down to my hostel in the pouring rain, with my friends saving themselves with my umbrella.

Warning: I am not trying to force you to catch a cold.

Whenever some lecture went way over the top (which was usually the case)

I would look at the drizzle outside and elbow my friends to do the same.

It is a time of change, where juniors move on to become seniors

and there is a fresh new batch of students. I got to know a lot of people during this time and made many friends. All those evenings at *maggi*



baba, while I tried to avoid his shouts at the same time balancing the multiple plates in my hands, afternoons at the canteen and on Fridays well, let's just say many of my friends have their birthdays during this time of



the year and leave it at that. All those times we would just sit there, in the *OAT*, talking about all that does not matter and stuff.

When you are away from the comfort of your homes, you start to have a new meaning for friendship in your life. Your seniors become mentors and friends. They are like a more experienced version of you. They have been where you are and probably know the outcome of what you plan to do. In the evenings, my friends and I, we would go to the college gate to eat sizzling and warm '*bhuttas*'. I think I should just stop talking about the food now. But hey, that is the special part. These things keep you connected to your childhood through memories. Even though I am halfway through my college life, I still get *butterflies* and find myself smiling when I come back and it is raining.

THAT MOVIE BOOK

-Damini Goel, 3rd year, PIE

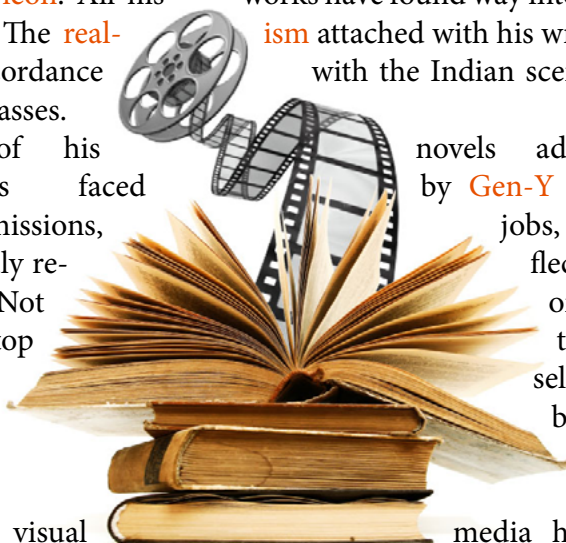
Literature and visual media have been *mirrors* of a society since ages and also play a crucial role in shaping it. Hence it does not come as a surprise when visual media takes a cue from society and literature to formulate its content. Hollywood has been privy to this trend with many literary pieces *inspiring* greatest movies of all times.

In India, the trend gathered steam with the rise of *Chetan Bhagat* as a *youth icon*. All his works have found way into mainstream cinema. The *realism* attached with his writings in accordance with the Indian scenario appeals to the masses.

Each of his novels addresses the problems faced by *Gen-Y* with respect to admissions, jobs, marriage etc. They truly reflect the Indian society. Not only do his books top the national best-flicks rule the box office too.

The visual media has a *greater reach* and can *adversely affect* the thinking of people. It has the ability to eradicate prevalent *evils* of the Indian society and promote development.

Consider "*3 IDIOTS*" that taught one to abide by the heart. Listen to your *true calling* and success shall follow! The recently released



"*Kai Po Che*" addressed the issue of religious isolation and the trials of urban youth on the brink of unemployment. It reaffirmed that social discrimination can be taken



by the horns and uprooted only by the *enlightening* and active involvement of Gen-Y. "*2 States*" shall be instrumental in altering adverse mindsets when it comes to *love marriages*.

Or at least we hope so!

Realistic cinema is a welcome diversion from slap stick comedies and melodrama.



If these flicks succeed in inducing the intended change; our country might soon be *catapulted* into the realms of prosperity and empowerment.

16 QUILL STROKES

I AM SHERLOCKED

-Aradhana Gahlaut, 2nd year, ENE and Prateek Singhal, 2nd year, EEE

I have yet to come across any living soul who's seen the terribly insufficient two seasons of this Series and not fallen in love with it. From the hot British accents and equally tantalizing actors to the amazing script and suspense, Sherlock is simply fantastic!

Benedict Cumberbatch and **Martin Freeman** make an amazing pair; the chemistry between them is adorable at times. Also, Cumberbatch's amazing performance throughout and also those sharp cheekbones have earned him quite the fan following. **Andrew Scott** as **Jim Moriarty** just has to be one of the most inspiring villains out there. He's despicable, inhuman, absolutely badass and almost insane. There are some villains that you just CAN'T hate!

In today's day and age of slapstick, repetitive humour and excess of crime shows, **BBC's Sherlock** is a breath of fresh air and definitely something worth going bonkers about. And it definitely makes me want to be one with my inner super sleuth. If you feel the same way (how can you not!), well, we have come

up with some ways you should try to indulge the **Sherlock in you**.

- 🔍 **I** Master the "**Science of Deduction**"! No idea what that means? Don't worry- **Google** shall come to your rescue!
- 🔍 **III** If you feel like this "science" is really not your style, don't fret!



Engineers always devise easier ways to do things. In this case, if you can't BE smart, then just LOOK smart. How? Practice that pensive guise in the mirror and when you want to impress and/or intimidate someone, give them the "look", throwing in some really heavy words, too, in that delicious British accent.

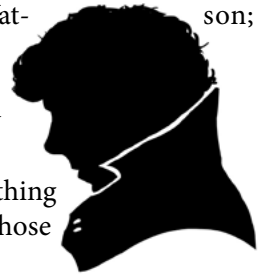
🔍 **III** Get a wardrobe **makeover**! Dig up a deerstalker (the signature Sherlock Holmes headgear), a tobacco pipe (but NO tobacco), a black trench coat, and people might just mistake you for Cumberbatch!

🔍 **IV** Quotes! Sherlock Holmes is known for witty **catchphrases**, and you can always throw dialogues like "There is nothing more deceptive than an obvious fact." This is THE coolest thing about Sherlock, even more than his observation and deduction skills.

🔍 **V** Last but definitely not the least, get a Watson; a devout **side-**

kick. Better still, both of you can take turns being Holmes and Watson; this way, you get to enjoy both sides of the coin!

These were just some pointers to give you something to start with. Watch some more Sherlock and let those juices flow. Make your own deductions!



The Beginning of an End

-Aradhana Gahlaut, 2nd year, ENE

"Beta, lunch is ready!"

I looked up from the laptop; my eyes unseeing and...moist. My reverie had been broken, but not my chain of thought. I had felt the world fade away from my consciousness. Everything came tumbling down; all those words, dialogues - those memories. My mind felt numb, as though I was in shock. And this certainly was no less. All I could manage was, "And so it begins." The news that had got me reeling this way was the news of **Richard Griffiths' death**.

Who is this Richard Griffiths, you might ask? Well, he played a very important, very memorable role in one of the biggest and most popular book to movie adaptations ever.

Vernon Dursley. A character I loathed only less than Umbridge (that ghastly woman in pink) in the entire series, which just makes him all the more essential a part of my childhood. I grew up watching him torture his orphaned nephew just because his parents had been "different". I saw

how he spoiled his son rotten and how he let his fear of the unknown take over him by developing into contempt.

He made me realise the importance and worth of good people, good relatives - family that will support



you no matter what. He taught me how to look at the world from a broader perspective and to be tolerant.

Oh, and of course, that there's no post on *Sundays*!

His death

drove home a scary realisation: the **Potter series** was really, finally, over. Our childhood had ended. No remake could ever even begin to create the same magic that this had, because the people would no longer be there; the ones we associated the whole story with. If the change of the actor who played Dumbledore after The Chamber of Secrets made such an impact, what would happen once the whole cast got warped? It is safe to say that being a Potterhead will never be the same.

To the man who made Uncle Vernon come alive, I raise my wand.

You were more important to more people in more ways than you'll ever know.

May your soul forever **Rest in peace, Richard Griffiths**.

nox





7 POINTS TO WIDEN THE GAP BETWEEN THOUGHT OF IT AND ACTION OF IT

“-Parag Saxena, 3rd Year, ECE

“On June 4, Bollywood woke up to the distressing news of 25-year-old actress Jiah Khan’s death. She allegedly committed suicide by hanging herself at her Juhu residence, due to failed relationship with Aditya Pancholi’s son Suraj”

“A 12-year-old boy in Srirangnagar district committed suicide by hanging from the ceiling of his house on Wednesday, apparently on hearing the news of the death of actress Jiah Khan.”

And for once I started thinking wildly, why do people value someone so much more than their own life? Somehow, the thought preoccupied my mind for hours and I started surfing on the internet randomly and banged upon the movie trailer “The Suicide Blogs” (2012 film) which at its beginning quoted:-

“**Suicide has no face, It affects one and everyone. No matter race or class or gender.**”



A common misconception about suicide is that it is a defect arising out of **mental weakness or depression**. I beg to differ. After my excessive random surfing that day, I finally landed up on a satisfactory explanation of suicidal thoughts. Suicide happens when pain exceeds resources for coping with pain, excessively.

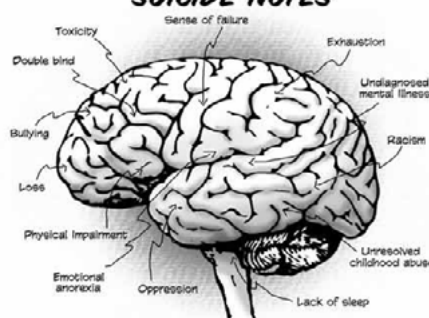
That’s all. And that seems pretty logical

to me. Isn’t it? So if next time you think about suicide you don’t need to call yourself a weak person. It doesn’t even mean that you really want to die - it only means that you have **more pain** than you can cope up with right now. If life starts piling weights on your shoulders, you will eventually collapse. Keeping this conception in mind, you can survive suicidal feelings if you do either of two things: (1) *find a way to reduce your pain*, or (2) *find a way to increase your coping resources*. Both are possible.

Some people do believe that things will never get better and it’s beyond their power to do anything. Moreover, there are teens who commit suicide out of the fear of ragging or being bullied or simply because of a failure in career. Personal beliefs about what death will bring - a place in heaven or reincarnation - may also bring comfort to the thought. They may regard themselves as abysmal failures and feel abandoned after the loss of a close relationship.

There is light at the end of tunnel. There is an indispensable need by the loved ones to provide illumination guiding such people in combating the negative thinking that contributes to their suicidal wishes. They need a specific set of methods to use in order to rebuild his or

SUICIDE NOTES



People often turn to suicide because they are seeking relief from pain. Remember that relief is a feeling. And you have to be alive to feel it. You obviously will not feel the relief, if you are dead.

“**You may never know what results come from your action. But if you do nothing, there will be no result.**” Mahatma Gandhi. Yes, bring your thoughts to action but instead of creating a dead end of your own life build a gap between the suicidal thoughts and what you actually do.

DEATH IS NEVER A SOLUTION

-Shivaneer Patiyal, 3rd year, EE

Sometimes life gives you a reason *to be sad, to cry, to crib, to get mad at people, to get annoyed* with simply everything around and to hate yourself but that doesn’t mean you will lose hope. Remember - “*umeed pe duniya kayam hai*”. There are problems in everyone’s life and we should be strong enough to fight them. When it cannot get any worse, it starts getting better. Recently the news of Jiah Khan’s suicide shook everyone. After all what could be the reason for committing suicide for a girl who had worked with stars such as Amitabh Bacchhan and Aamir Khan at the age of 22. Every year so many youngsters commit suicide for one reason or the other - *be it poor marks, or not getting a job, competitive life or a heart break*. Trust me nothing in life is important enough that you will give up your life for it.



‘**Life’s a gift of GOD. Respect it.**’

Do not be a coward and run away. I know all of you are strong headed and smart people but still if this thought ever crosses you. Remember that-

1. There is no documented proof that death ends your problems.
2. Your life is just not yours. Think about your parents and friends who love you the most.
3. Consider people who are less fortunate than you. If they can still put up a fight, why cannot you.
4. You get life only for once. Do not end it for some loser or certain people or for any other thing.
5. Love yourself. GOD chose you to be you because you were the best fit. (Creepy I know. But you got that thing right :P)

18 DEBATE

-Namrata Yadav, 3rd year, EE

FOR:

Exams or IQ tests allow the entire population to be judged on a level ground. Everyone has equal opportunity to succeed in standardized tests like CBSE etc but ultimately its people with superior intelligence that get better grades.

While refuting the importance of good grades, we often quote people like Bill Gates who didn't get good grades in school and now is one of the richest men in the world. What people don't realize is that he is also one-in-a-million and the rest of those millions find it difficult to bridge the gap between bad grades and successful careers.

Though coaching centres have diminished the need of pure intelligence to crack entrance exams and students with sincerity, hard work and a good work ethic can score a good rank, still it is restricted to a point. People with really good ranks in JEE are naturally a class apart from the others and in that case, yes marks do reflect intelligence.

If we consider the case of college, for Jobs and MNC's percentage matter. It is much easier for a recruiter to hire someone with a good academic record throughout as it shows dedication and sincerity. Maybe the candidate is not intelligent but he/she will always get the benefit of doubt.

In the end, it is always easier to call a person who gets a good percentage a nerd, geek, ghissu whatever and assume that he/she isn't 'really' intelligent, just good with books. But the point is that person knows how to prioritize, he wants a good percentage so he works and gets it. Others want a good percentage and can't get it. So for an intelligent person, marks tend to come a little easier. Specifically in DTU:

"In your first year your seniors will tell you that percentage doesn't really matter. As you reach your 2nd and 3rd year you will realize it's best not to listen to seniors when you will be rejected for internships because you didn't have a good percentage, or that you don't have a hope for a call from top IIMs without close to 80% aggregate. So if you are a topper without being pure intelligent, you will pretty much get a good job. But then there will always be people who say "a good job is not an indication of intelligence". But that's an entirely different topic of debate now, isn't it!"



IS

PERCENTAGE

A

REFLECTION

OF

INTELLIGENCE?



AGAINST:

There are different types of intelligence (musically gifted, artistically gifted, academically gifted, street smarts). I do believe that marks can reflect intelligence to a certain degree. Marks, however, aren't the only marker for intelligence.

A good percentage also depends on the type of teachers you get, the support you get from your family or the facilities at your disposal. Students who do not have these obviously find it more difficult to score good marks compared to their counterparts.

Our education system might try to standardize tests and marking but in subjective tests every teacher has his own way of marking. So people with equal level of intelligence might still not get the same percentage.

With coaching centres for every possible entrance test under the sun, the need for intelligence for a good rank has reduced even further. Now, you just need to be a good student to "get trained" to get good marks.

Especially relating to college, most of the stuff we are taught in lectures doesn't directly apply practically. Most of the times we have to gain experience outside college whether it be in programming, internships etc. Also, there might be people who are in a certain stream and yet they have more practical knowledge of some other stream whether technical or non-tech. So if that person isn't the topper doesn't mean he will not be

more successful than the person who gets more percentage than him.

It has always been unclear how to define intelligence. Does it depend on the IQ or the performance? However it is seen that in India focus is more on acquiring intelligence and then using that to score marks. Anyone with proper motivation can do that. So, no. Marks don't reflect intelligence.

Specifically in DTU:

"In your time here you will find people who know more than you do even though you get a better percentage. You might get the best marks in COE and still Google every program while another person just gets it. You might know all about the theory of how works a fraid ON the Y o u be get-brilliant in me-yet there a person in the Car team getting his hands dirty in grease. It's not that they cannot get good marks; it's just that they know it's not the most important thing in the world. They know they are intelligent."

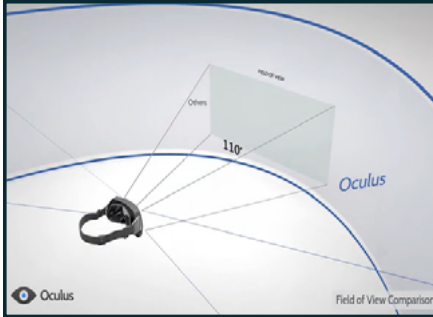
Grades do not measure intelligence.

a motor but be to turn switch. might t i n g m a r k s chanical will be

THE FUTURE OF VIRTUAL REALITY: RIFT

- Arihant Kuba, 2nd year, ME

Virtual reality is the process of creating a computer simulated environment for the user, in such a way that it feels real. The latest development in this field is being done by Oculus, who are in the process of creating a virtual reality headset to render a 3D display. This requires a PC with a USB and a HDMI port. Sadly this technology is not coming to the consoles, yet. Currently only a developer's kit is available. More than 9000 developers currently have rifts. Team Fortress 2 and Hawken are the only official Oculus-ready titles. However other game developer's like Epic are



showing interest in rift.

But attempts such as this have happened before, so what makes rift different? It is a light 3D image-rendering device. It has a field of view that's 90 degrees wide and shifts with the player's head movements. This is made possible by a gyroscope, accelerometer, magnetometer and micro controller. These results in the image being refreshed every two milliseconds. Besides this, the rift looks sharp and has received a 9/10 by ifixit for reparability. Could this be the future of gaming? It certainly looks promising.



LIFE WITHOUT WhatsApp

-Namrata Yadav, 3rd year, EE

You are having a conversation with someone. Make that trying to. Why? Because that person isn't looking at you, or listening to you; they keep looking at their phone, smiling, typing, and then looking back at you, so you start again but before you can utter a single word, the phone is buzzing away again.

You don't have whatsapp. Your friends complain that they have to buy a message card only for you as you still live in the dark ages. If you ever miss an important group up-



date, it's your fault, we posted it on whatsapp. You might have the best screen resolution, RAM, video/audio, they are all useless if you can't install whatsapp. And it seems like there is nothing left in the world for which whatsapp doesn't have an emoticon. Talk about mechanizing emotions.

So, if you are deserted on a remote island and not having a net card isn't your top worry, congratulations! You might be one of the last few sane people left on the planet.

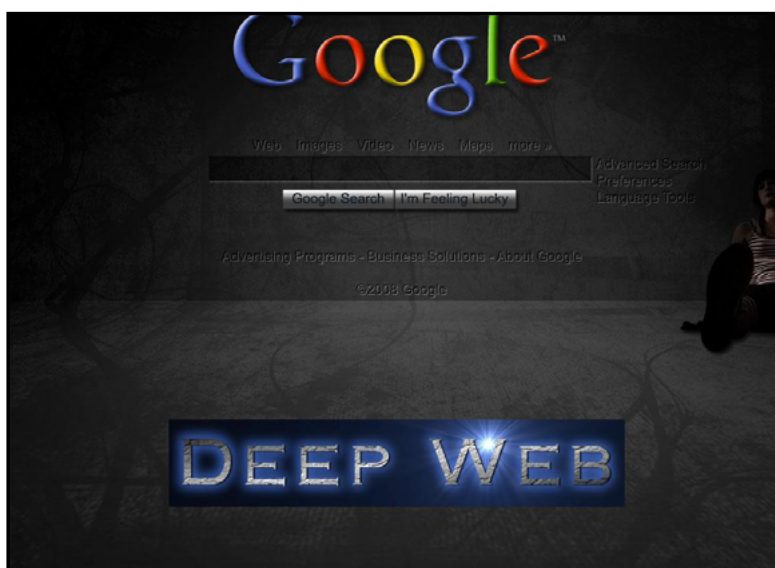
RIDDLES IN THE DEEP

- Arihant Kuba, 2nd year, ME

What if I told you that there was more to the Internet than what the search engines results show? That there is a hidden side to the web, and not all content is free to access. This makes up about 99% of the web and is called The Deep Web. This is not a conspiracy theory; this is real so brace yourselves and read on.

Before we dive into the deep end, let us take a quick look at how search engines work. Search engines use a method called web crawling. The web crawler starts with a set of URLs called seeds. It then identifies all hyperlinks on these URLs and adds them to the list of URLs and then continues this process till it reaches a URL without hyperlinks. These URL's are then searched for the convenience of the user.

However many of the web sources are not indexed, as they do not have a

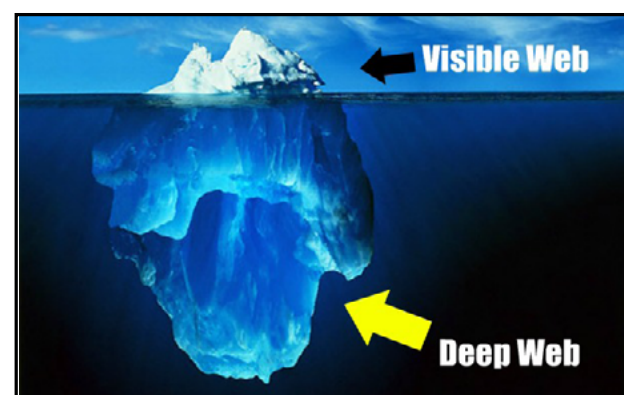


visible link. These are as follows:

- ▶ **Un-linked content:** Pages the URL of which is not available on any website.
- ▶ **Private content:** A large part of the deep web is made up of content

that requires a logging id and password. The best example for this is your Gmail account.

- ▶ **Subscription Databases:** Sources such as EBSCO host and J store. Accesses to many such sites are given in the library.
- ▶ **Limited access content:** Some sites limit access to their pages in a technical way.
- ▶ **Unreadable File Type:** Sites and pages that are coded in scripts that cannot be read by the web crawlers.
- ▶ **Dynamic Content:** Content that can only be accessed via a specific query. They are inaccessible without knowledge of the domain like posts on Facebook.
- ▶ **Real Time Content:** This includes live feeds only accessible for a limited time and hence cannot be indexed.
- ▶ **Contextual Web:** Sites restricted by IP addresses. Many sites are inaccessible in China due to this reason.



Though they do not show up on search engines, many of these resources can be accessed. A lot of the sources can be accessed via library resources. Proxies can be used as a terminal though which random re-

lays are sent into the web. This can be used to access several sites but your anonymity might get compromised. Another way is by using Tor (originally short for The Onion Router), which lets you dig a little deeper, while keeping you relatively anonymous by sending encrypted packets all over the web.

In conclusion, the deep web is a dangerous place, and yet and the same time one which can be used to one's benefit. So go deep and explore.

20 HOW TO

KNOW WHEN SOMEONE IS LYING

-Isha Gupta, 3rd year EE

Warning: Sometimes ignorance is bliss. After gaining this knowledge, you may be hurt when it is obvious that someone is lying to you.

Relax. It never hurts to know something. Being an engineer, you never know what may come your way (given especially to the increasing number of liars as seen on TV). So here are a few basics of 'lie-detecting-techniques' from gestures and verbal cues to indicate untruthfulness but just so you know, they are indicative of a liar and not an ultimate judge.

Clue no: 1 - Inconsistencies

I think we all are quite familiar with this tip- Looking for inconsistencies in the story that just don't seem to fit. Like if a person hears an unnatural sound, naturally they will turn to look at it. So you know what answer to expect.

Clue no: 2 - Insincere emotions

If the person really liked your gift, and smiles naturally, the whole face will be involved instead of limited movement of the jaw. Sometimes even the timing is off between a gesture and the words. Like smiling after saying they liked the gift rather than along with the smile.

Clue no: 3 - Interactions and Reactions

A guilty person gets defensive. They may not answer you directly but may use words from your question to answer you. If you ask, "Did you take my cell phone?" they may answer "no, I did not take your cell phone" instead of "no, I didn't".

If you change the topic, a liar will quickly follow and become relaxed. But an innocent person tries to revert back and clear up the subject.

Clue no: 4- Uneasiness

Vibes are not that hard to pick up. Uneasiness can easily be sensed by avoiding of eye contacts, uncomfortable silences and the need to say something unnecessary. A sense of anxiety gives away a liar.

Clue no: 5 - Too much detail

If you ask your friend why he didn't do the assignment, he'll

probably be straight-forward with you and say he 'didn't feel like doing it'. But if the professor asks, well let's just say you suppressed a big laugh and leave it at that. A lot of details often show that a lot of thought has been put into framing a lie and learnt to cover up all loose ends.

Clue no: 6 - Abnormal Behaviour

In most cases you know the people before hand. So any change in their usual behavior rings a warning bell that something is fishy.

Clue no: 7 - Micro-expressions

Watch out for these! Now they can be a little tricky and a high degree of observation is required. Technically, micro-expressions last for like 25th of a second but reveal the concealed emotion. So when a person is acting happy, but in actuality is really upset about something, for instance, his true emotion will be revealed in a subconscious flash of anger on his face. Whether the concealed emotion is fear, anger, happiness, or jealousy, that feeling will appear on the face in the blink of an eye. The trick is to see it.

Clue no: 8- Contradictions

If the gestures do not match the words, it's time to think again before believing. There is a gap between the words and actions in case

of a lie. A person while accusing someone might just shake the head to say a 'no' contradicting everything said before.

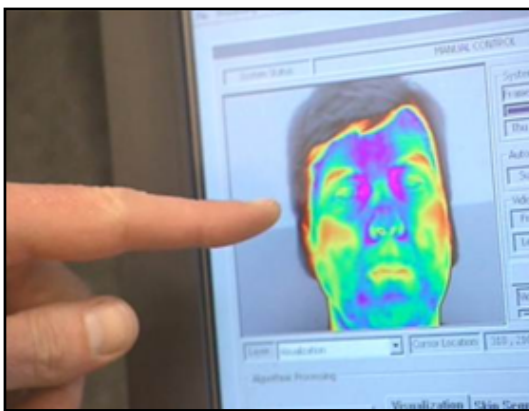
Clue no: 9- Ask the unexpected

If you break the flow of a lie and ask an unexpected question, it is sure to throw the liar off track.

Clue no: 10- Don't Ignore the Truth but Be Trusting

In all probabilities you will be able to catch a liar but before acting on it, know the reason why they said so. The clues don't give you the motive which you have to know on your knowledge of the person because sometimes it looks like a person is lying while actually he/she is not.

So we all have a choice to make. If we choose to suspect, we may not get misled at the price of life not being that... err, pleasant. (I was going for a better word). But if we do trust people life may not be that bad after all.



HOW TO

BE A LADY

-Aradhana Gahlaut, 2nd year, ENE



In Today's Society

1. A lady must maintain perfect hygiene. The male luxury of skipping baths does not behove a lady.

2 A lady must not cuss. She mustn't express her anger the way a man can lest she wishes to be called ill-mannered and unladylike.

3 A lady must play hard to

get; she must not be too nice. However, she must not be rude, for kindness is expected of her. In other words, she must always be prepared for criticism.

4 A lady must be well-dressed - no matter how relative the term may be. Unisex clothing makes her a tomboy; runway-inspired fashion means she's not to be taken seriously; conservative, classy clothing is old-fashioned and unattractive.

Yet, she must be well-dressed; whatever that means.

5 A lady must choose her company carefully. If she likes male company, her character will be questioned; if she hangs out only with her girlfriends, she's a prude. If she likes being alone, she's snobbish and stuck up.

6 A lady must behave appropriately in public. She mustn't (a) talk or laugh loudly, (b) run for any reason, (c) sleep when in company (it's not only dangerous and inviting but just not becoming of a woman), (d) drink or smoke (and if she's with guys, God help her), etcetera.

7 A lady does not indulge in physical violence. Punching an annoying guy in the face is absolutely unladylike; a slap, however, works perfectly. Expression of one's anger and one's self is mostly frowned upon; however, staying quiet makes her timid and submissive.

8 A lady must be independent; she must be able to support herself and stand on her own feet. That lasts only for a few years fresh out of college, however, until she is pressurised into getting married.

9 A lady must, in all, forget about all the things she wants to do, all her ambitions and concentrate only on how to be a lady in everyone else's eyes.

There is, however, the alternative: she can write such articles and do what she likes, becoming a lady in her own eyes, regardless of what the world thinks.

How to appear busy when you're not

-Prateek Singhal, 2nd year, EEE

Now that the holidays are here, all one wants to do is lie down and do absolutely nothing at all. Is it too much to ask for? Our parents probably think so. They want us to “make something out of our holidays” & “not waste this semester as well”. Well, they are not wrong in their regard, but come on! We have EARNED the right to 12 hours a day worth of sleep and another 12 hours worth of procrastination, haven't we? But well, we also to have to convince our folks, along with other people, that we aren't wasting our holidays away. So here we present to you a guide on how to appear busy when you're actually not.

1. While daydreaming (or just plain lazing around), strike an intellectual sort of pose (like Steve Jobs). That way, it'll appear as if you're trying to find the solution to the Pompeii problem, whilst your mind remains free to wonder as it pleases.

2. Learn how to switch quickly between windows on your laptop. Let no one ever accuse you of watching “Harlem shake” on youtube again! For all that the others know, you have turned into a new, enlightened individual, who now spends most of time going over complex problems in MATLAB.

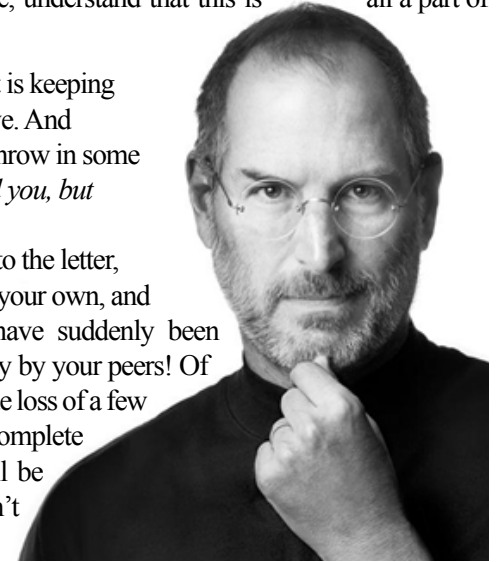
3. Never answer a message right away. Take your time. Even ignore a call once in a while. It gives the impression that apparently you have a very hectic sched-

ule, and are engrossed in some very demanding work.

4. Cut up conversations in between with messages like “sorry, gotta go, urgent work”. While it may hamper your social life, and may even lead to a fight with your partner once in a while, understand that this is all a part of your plan to “appear busy”.

5. When someone asks you what is keeping you so busy these days, act evasive. And if someone is persistent enough, throw in some clichéd dialogue like, “I could tell you, but then I'd have to kill you.”

You follow these instructions to the letter, come up with one or two of your own, and voila! You will find that you have suddenly been branded as a very busy personality by your peers! Of course, the side effects may include loss of a few friends, or in rare cases, your complete social life. But who cares! You'll be too busy to worry about that, won't you? Reader's discretion advised!



HOW TO WATCH CRICKET WITHOUT SACHIN

-Prerna Batra, 3rd year, BT

Step 1: Wish there is a budding talent in the country with the same dedication as that of Sachin.

Step 2: Feel the essence of Sachin in every game, the energetic way in which the Mumbai Indians will be playing the next season etc.

Step 3: If a cricketer hits a double century in ODI, remember Sachin.

Step 4: If a player makes a comeback after a hard shoulder injury, dealing with the comments of the critics and unfavorable conditions, search the essence of Sachin in him.

Step 5: Look for bowlers, who have taken Sachin's wicket the most, they have something in their bowling.

Step 6: Wait for someone to play most number of tests, ODIs, the most number of runs in both tests and ODI s, most number of man of matches and man of series in ODI, first and only to get Rajiv Gandhi Khel Ratna, etc. well, no, don't you waste time on this, because achieving such greatness is almost impossible.

Step 7: Feel lucky enough to have seen Sachin play.

SACHIN

-Prerna Batra, 3rd year, BT

The man with jersey number ten,
When playing, is watched even from heaven,
His hard work made him master blaster,
And for the opponents-a great disaster.

His journey started when he was sixteen,
Only at the practice grounds was he seen,
His diligence did pay,
“Welcome to the cricket team”, he made
the selectors say
He fielded and played first class,
“Spare me” said his colony's every glass.

After he dressed in jersey blue,
People were attached to the television
with glue
He pounced on his first chance,
Though he was underestimated by the peo-
ple at the first glance,
People were mesmerized when he took a
stance,
Hit sixes and fours without taking a chance,

With the determination he showed,
Even the greatest of bowlers bowed.
He had started his career with a phenom-
enal start,
And he continued to win every heart,
And became the team's integral part.
He has almost all records to his name,
Making cricket even more famous than the

national game,
A special one was that of the ODI double
century,
Where he portrayed all his might and glory.
He carried his team to victory for over 2
decades,
And he never let his strength fade,
Finally the opener he was made.
He won those matches for his side which had
been almost lost
Deliver a full toss, and bear the cost.
He never lacked fire, never lacked steam,
Being a fighter, he never let fail his team



He had a shoulder injury threatening him
down,
He was a bit shattered; He also lost his
crown,
Still only in hard work was he engaged,
Ignoring the people around him who had
changed,
At last he succeeded, but now in nineties
he got nervous,
Still to the critics, he was impervious.

He stood up again against his flaws,
And made the crowd to applause.
Soon, he had everything in his pocket,
except the world cup,
Finally the team worked hard, and got it
too, to let Sachin cheer up.
Adding flavor to the coffee,
Mumbai Indians also won the IPL trophy.
ODI, test, IPL, be it any form,
Sachin did not let down his charm.
He sacrificed everything for 23 years of
his game,
Without his contribution cricket couldn't
have a better name.

Truly inspiring is his story,
Full of awe and glory
Bowlers still cherish to take his wicket
Sachin is truly the god of cricket.

22 SPORTS MANIA

THE RISE OF SHIKHAR DHAWAN-END OF AN ERA?

-Ankit Kumar, 2nd year, SE

The international arena is a cruel one, and you do not get many chances to prove your ability even if you have a multitude of tons in the domestic circuit. And even if you have tons of tons, then your age acts as a cruel hindrance, at least that is what Waseem Jaffer might be thinking. But what matters the most in the international arena is holding your temperament and having the hunger for big runs and the intolerance towards the failure. Ajinkya Rahane, Robin Uthappa are a few names that come to mind and even middle order batsmen have tried to take advantage of the opportunity but have failed to do so. In the midst of all this, one player has finally grabbed his opportunity

-Shikhar Dhawan.

With the Sehwags and the Gambhirs, who would have thought that we would get to see any other opener unless any one of them decides to hang

their boots? But with both of them failing repeatedly at the international level, piles of runs at the domestic scene and the lady luck doing the trick, Shikhar Dhawan finally managed to get a call back in the Indian Cricket Team. And this time



he ensured to seal his berth. A magnificent 187 off 174 balls at his test debut sent out a message

that this time he is here to stay. Scoring back to back centuries in the first two ODI's of the Champions Trophy 2013 only meant that he has made his mark deep in the Indian cricket scenario. One can't resist thinking what will happen of V. Sehwag and G. Gambhir, especially the former. Is it a virtual end for these two players who were once treated as the invincible ones?

Well seems like that. With the BCCI too keen on not letting a "talent" go waste in Rohit Sharma and promoting him at the opening slot where he has had success and going by the form Dhawan is in, it would be a nightmarish task for them to get a call back. But as they say, cricket is a funny game and full of uncertainties. So you can never say anything. All we can be sure of is that the future of Indian Cricket Team looks bright going by level of the competition among the players.

AISA MAUKA AUR KAHAAN MILEGA?

-Anshul Rawat & Apoorv Jindal, 3rd Year, COE

Since time immemorial, Indians have been treating cricket as a religion and naturally cricketers have been worshipped as Gods. In old times, people would crowd around an old black-and-white TV in the local tea-shop for a quick update on the scores. Now, the scenario has changed and the local 'chaiwallah' has been replaced by snazzy upscale pubs having live screening of the cricket matches, cashing on this mad frenzy of the folks for the sport. Not only this, there has been a drastic change in the format of the game too. The Test Matches have been replaced by T20 matches, catering to the changing viewership and the ever dwindling amount of patience these days to wait for an entire week to know the outcome.

One such novel conception has been the IPL. Started a few years back, the IPL witnessed some big bucks being pumped into the sports industry, with the likes of Vijay Mallya, the Ambanis, et cetera and numerous Bollywood stars investing copious amounts of cash in the IPL. For the viewers, it proved to be the most exciting cricketing venture ever as the IPL brought with it the blurring of international boundaries to the sport, and now people could see Saching Tendulkar and Ricky Ponting batting for the same side. Also the 'auction' of the players was one of the most awaited 'rituals', besides the regular after parties

and after 'after parties' (If you know what we mean)!

But what was most astonishing about the IPL was that it was a place where 'miracles' took place. Often, a seasoned player would get bowled-out for 0 by a newbie. An Indian player even scored six sixes in one over. Such were the thrills that the IPL provided, which kept the viewers glued to their television sets. Not to forget the cheerleaders who were termed by some as 'skimpily clad'. Jam-packed stadiums, roaring audience, dancing cheerleaders, and the background music- "Aisa mauka aur kahaan milega?" seems that this tagline has been taken on a wrong note by the players.

The IPL is no stranger to controversy, but on May 16 it met arguably its biggest crisis when Delhi Police arrested three Rajasthan Royals players - Sreesanth, Ajit Chandila and Ankeet Chavan - soon after their match in Mumbai for alleged spot-fixing. Eleven bookies were also arrested at that time, including one - Amit Singh - who was a former Royals player. The Royals later suspended their players and the BCCI set up an inquiry. The board also announced enhanced anti-corruption measures, including two more security personnel with each team. (Yes like that makes a difference!) The arrests kicked off a nation-wide search and arrest of bookmakers - betting is il-

legal in India (Yeah it is!). One of those picked up in Mumbai was a small - time actor, Virender "Vindoo" Dara Singh (The kambakhqt ishq actor. Don't remember? Big Boss season 3 winner. Still don't? Not your fault! We are happy you did not.), arrested on charges of links with bookmakers. His testimony led the police to arrest, on May 24, Meiyappan Gurunath, a top official of Chennai Super Kings and son-in-law of BCCI president N Srinivasan. Not only players and bookies, team owners are involved too! Raj Kundra, Rajasthan Royals co-owner, has confessed regarding his involvement in betting. He has also been accused of fixing and is under police investigation.

Meanwhile enraged fans have taken to social networking sites to vent their anger with sarcastic comments about tainted cricketer S. Sreesanth and his two teammates arrested May 16 in connection with spot fixing in IPL.

"*Joke of the day. Sreesanth is telling I am innocent,*" wrote a Facebook regular on the Sreesanth fan club page.

Snide remarks about his expenditures and earnings through spot fixing have become the norm.

"*Sreesanth went to buy clothes from Diesel's showroom in Mumbai where he spent Rs 1.95 lakh. From the money which he got from spot fixing, he also bought a Blackberry Z10 phone for his girl friend,*" ran a comment.

#THANKYOU SIRALEX

-Ankit Kumar, 2nd year, SE

The name speaks for itself. Yes. He is the guy who made the modern Manchester United look what it actually is. He is the guy who made the likes of Cantona, Van der Sar, Carrick, Ferdinand, Vidic, Rooney even Beckham and of course, the charismatic C.Ronaldo. Managing a huge and a great club like Manchester United and giving it 26 and half years of one's life is itself an achievement. Honestly speaking, spending that much amount of time is something, which I have only witnessed in a married couple.

Football fans all over the world are mourning (don't read as Mourinho) the fact that they will never see SAF in the managerial role but we should be thankful to god that he didn't stick to his original plans, else we would have probably been enjoying and praising him for his pastas and

Chinese noodles.

Ferguson who started his managing career at Aberdeen where he won 11 trophies — including three league titles and four Scottish Cups in seven years, called it quits on 8th May 2013, ending an unparalleled 26-season run in which he won a record 13 English Premier League titles and transforming the franchise from an underperforming middle-of-the-pack team into one of world's wealthiest and most popular professional sports brands. One can imagine his impact by the fact that United's shares slumped by 5% within a day in NY Stock Exchange after his announcement of retirement.

Although many people actually criticize his nature and managing skills, his retirement has left a huge void in the football world, which would be

very difficult to fill. David Moyes, the new manager, has some huge boots to fill. He ensured that Manchester is red.

United will never be the same without that suited guy, nervously chewing a gum and delivering standing at the sidelines.



फैसला-ए-कस्मिमत

इज्जत अली खॉन, 2nd year, MTech, evening

कसिी ज़माने में समन्दर के कनारे पर मुल्क शरिज़ आबाद था।वहाँ का राजा बहुत अच्छा और नेक दलि था।उसके एक ही बेटा था जिसका नाम शहज़ादा शोएब था।वो बहुत ज़हीन,समझदार,खैरखवाह,नेक,बहादुर,और जगजू था।राजा की मौत के बाद मुल्क की बागडोर शहज़ादे शोएब के हाथ में आ गई लेकिन शहज़ादा कसिी और फकिर में रहता था।उसकी जुस्तजू इस हद तक बढ़ गई थी कि वो हमेशा यही सोचता रहता कि कैसे उस जज़ीरा-ए-रूबी का पता निकाले। अपने मुल्क को मालामाल कर दे और हीरों का सबसे बड़ा मरकज़ बना दे क्योंकि वो जज़ीरा पूरा हीरों से ही भरा हुआ था।

उस जज़ीरे की तलाश में शहज़ादा बहुत मुमालकि का सफर करता रहा अलग-अलग लोगों से मलिता रहा।बहुत सारे मुमालकि का सफर करने के बाद शहज़ादा एक बहुत बड़ा ताजरी बन गया और उसके मुल्क से काफी मुमालकि तजिरत करने लगे मगर ये शहज़ादे का मकसद न था।उसकी मन्ज़लि थी जज़ीरा-ए-रूबी।एक दिन शहज़ादा सफर करते-करते मुल्क सबा में पहुँचा वहाँ पर काफी लोगों से मुलाकात हुई, बात भी हुई मगर कुछ भी फायदे की बात नहीं थी।इतनी उमर तक बनिा कोई नतीजा हासलि हुए यँ ही उमर कटती जा रही थी।वह काफी परेशान था के मुल्क को वज़ीर के हाथ में दे कर मैं कसि राह पर निकलि गया।क्या मैं अवाम की ज़मिमेदारी पूरी कर रहा हूँ या उस से भाग रहा हूँ।ऐसे हज़ारों सवालत उसके ज़हन में गरदशि कर रहे थे उसके चेहरे

पर परेशानी के आसार साफ़ नज़र आ रहे थे पर मायूसी नहीं थी।जोश था,जज़बा था,हौसला था फरि खडे होने का, सफर करने का, तलाश करने का।सुबह में उसकी मुलाकात एक बुजुर्ग से हुई वो देखते ही समझ गए कि शहज़ादा परेशान है।शहज़ादे ने बुजुर्ग को सलाम कयिा उसके बाद वो दोनो बात करने लगे।उन्होंने बताया कयिह जज़ीरा यहाँ से मशरकि की जानबि हज़ारों मील दूर वाक़य है।रास्ता बहुत मुशकलि है खुशकी का कम पानी का ज़्यादा है इस वजह से जान का खतरा भी बहुत है।समन्दर की कौन सी लहर अपने अंदर तूफान छुपा कर लाए कसिी को पता नहीं रहता और बस यँ ही ज़न्दिगी खतम हो जाती है।लेकिन जब तुमने इतना कुछ कयिा है तो शायद तुम इस सफर को भी पूरा कर लो।

बुजुर्ग की बात सुन कर शहज़ादे की आँखों में चमक आ गई।इस के बाद शहज़ादे ने फैसला कयिा कि उसके तमाम साथी मुल्क शीराज़ लौट जाएँ।मुल्क की हफिज़त करें और उसके लौटने का इन्तज़ार करें।लोगों ने चलने की ख्वाइश जाहरि की लेकिन शहज़ादे का हुकम टाला नहीं जा सकता इसलिए चंद जॉनसिर सपिहयिों के सवि सब लोग मुल्क लौट गए।अब सफर की तैयारयिों शुरू हुई।जहाज़ वालों से बात की गई लेकिन कोई भी जहाज़ वाला तैयार न हुआ।एक जन्दिगी से मायूस जहाज़ वाला तैयार हो गया लेकिन उसने कुछ शर्त रखी के उसके घर वालों के लिए ज़रूरी सारे इन्तज़ाम कयिे जाएँ

इसके अलावा कई और शर्तें। शहज़ादे ने उसकी शर्तें पूरी कीं और सफर शुरू हो गया।सफर के साथ-साथ दुशवारयिों भी शुरू हो गईं।महीनो तक सफर चलता रहा मगर फरि भी कामयाबी हासलि न हुई।खाने का सामान भी कम रह गया।एक दिन समन्दर की लहर अपने अन्दर तूफान छपि कर लाई और जहाज़ को तोड़ गई।सब लोग डूब गए पर जहाज़ वाला शख्स एक तखते पर बहता हुआ चला गया।कई दिन के बाद जब उसको होश आया तो देखा के वो कनारे पर पड़ा हुआ है।उस वकत हल्का-हल्का अंधेरा था इसलिए वो समझ न सका कहाँ है।जब सूरज निकला तो बहुत सारे अक़स उस पर पडने लगे वो चौंक गया पास जाकर देखा तो हैरत में पड़ गया के वो सब हीरे हैं और पूरा जज़ीरा हीरों से भरा पड़ा है।उस खुले आसमान में वो शख्स इतना खुश था जैसे के वो काएनात का बादशाह बन गया हो लेकिन फरि मायूस सा हो गया के कैसे वापस जाउंगा। काफी देर के बाद हमिमत करके तय कयिा के जहाज़ तैयार कयिा जाए और दोबारा सफर कयिा जाए क्यूँकि जन्दिगी बनिा अपनों के अधूरी है और बनिा लोगो के इस हीरे के जज़ीरे की बादशाहत भी बेकार है। इसके बाद छोटा सा जहाज़ तैयार कयिा गया और जतिने हीरे आते रख लिए गए।सफर शुरू हुआ काफी महिनों तक सफर करने के बाद वो मुल्क सबा पहुँचा और वहाँ का सबसे ज़्यादा अमीर शख्स बना।

Love and the Great war

Kumar Harsh, 2nd year, ME

Jean Renoir was sitting in Café ecstasy, Milan, Italy. He didn't know what day or date it was. Neither did he remember the time from which he had been frequenting the café. The red wine in the left hand and cheesed toast in his right had become a permanent feature of those long and dreary mornings.

He picked up the newspaper, La Avante, not out of curiosity but out of the pre mechanized habits he had developed over the past months. It was the newspaper that brought him back to the surface of war and reality. There is a thing about wartime that not a single soul can escape its gloom. The sun though bright lacks the energy and ferocity, the breeze though comforting is melancholic; the rain though unchanged is contemplating. Jean saw the name of the dead and injured soldiers on the newspaper. Each day he saw the names and each day he longed to return to the warfront.

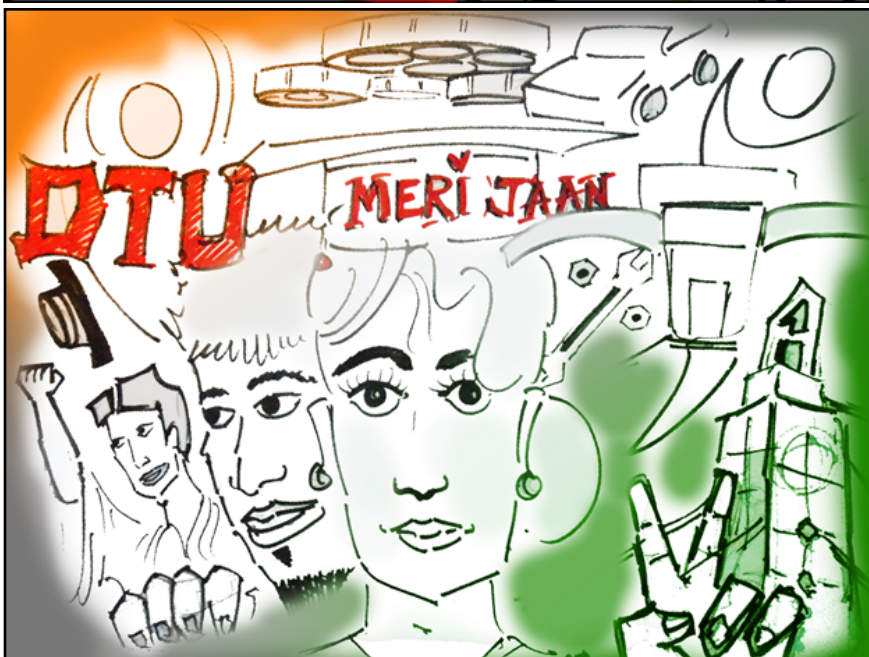
After he had finished his breakfast and flipped through the blood stained wartime newspaper, he decided to go back to the hospital. He started walking listlessly towards the St. Claise hospital located in New Milan. The walk was twenty minutes long and Jean enjoyed it after the heavy early morning breakfast. He enjoyed watching the people of Milan going about their normal work as though nothing had happened. The cafes had started filling up and the few operas that were still open were preparing for the evening show. Jean noticed how the endless number of shops that lined the main thoroughfare had dwindled down to a few grocery stores; all of them looked over by a woman or an old man incapable to pick a gun. The sight of a young and healthy man walking down the streets of Milan drew looks

of disgust and contempt. All boys and men who could walk were expected to fight. But Jean with a crutch in his hands was spared of these looks. At the end of the thoroughfare, he bought a couple of cigarettes from Mrs. Lambert's everyday store. She helped him light the cigarette and the first inhalation sent a chill down his whole body. The time between inhaling and exhaling sent him to a universe where his solipsistic existence marked life and its frivolities. Exhaling, he noticed the spirals of smoke in the clean Milan air of autumn. He paid her two lira and went forward towards his destination. The cigarette and the thoroughfare were finished in an uncanny unison. Hence, he found himself standing at the La Ir-dine Bridge. The water beneath was glistening in the sun like a freshly forged metal sheet. So clean was the water that he could see the silt and gravel on the river bed. The fishes of all sizes and hues were afloat almost oblivious of the prejudices of the world around. Leaning over the rails, Jean threw the cigarette stub almost involuntarily. The stub was carried away by the light breeze in a doleful way as if the air was also mourning the loss of the loved ones in this fruitless and never ending war. The stub met the surface of water head on and pierced its silvery sheen with its hot and burning head. A tumultuous smoke went up as the stub drowned in the water, helplessly. It was only when the river had settled with the slit that Jean moved from the spot.

Walking ahead, he could now clearly see the pale yellow and crumbled walls of the hospital, with pine covered mountains in the background. For a moment, he wanted to run to those pines and disappear in the bosom of the trees, away from

the war, away from the trees, away from the din, away from pity. But then the thought of Marie came back rushing to his head, the only reason for his existence in this world which had long rendered him as a poetic and broken souvenir of the Great War. Marie was a woman of immaculate beauty, a woman whom any man can fall in love with. She had come as a part of Red Cross Mission, barely six months ago when Jean was on the edge of the cliff ready to be hurled in the abyss of pain and agony. She came as the light of the North Star in the starless nights of his life. She steered him to the safety of the harbor. Each night she would come and listen to him in utmost attention while he told her about the war, the Greeks, Trojans, Paris, all about the world but himself. And she didn't complain about it. She simply peered into his dry and pale eyes, as the candle laid the mountain of wax around it. It was on one such quiet night that he realized that she was the anchor while he was sitting on the deck of the ship enjoying the sunlight. The realization was almost mutual. The peace, calm and affection they felt in each other's arms were something both souls yearned for. The smooth and silky hair was where he could spend a lifetime without contemplating. The honey hued arms, the velvet skin, the slow and gracious falling of the eyebrows on the eyes was something he was addicted to, like an opium hooker to opium. He reached the door where the guard saluted him. He slipped into his bedroom and picked up a book. He waited for the sun to disappear, to slip again in the limbo of nothing and everything.

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What is the first thing you do/will do when you join college/come back to college after vacations?

- Catch up with studies
- Meet up with friends
- Go to the canteen

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