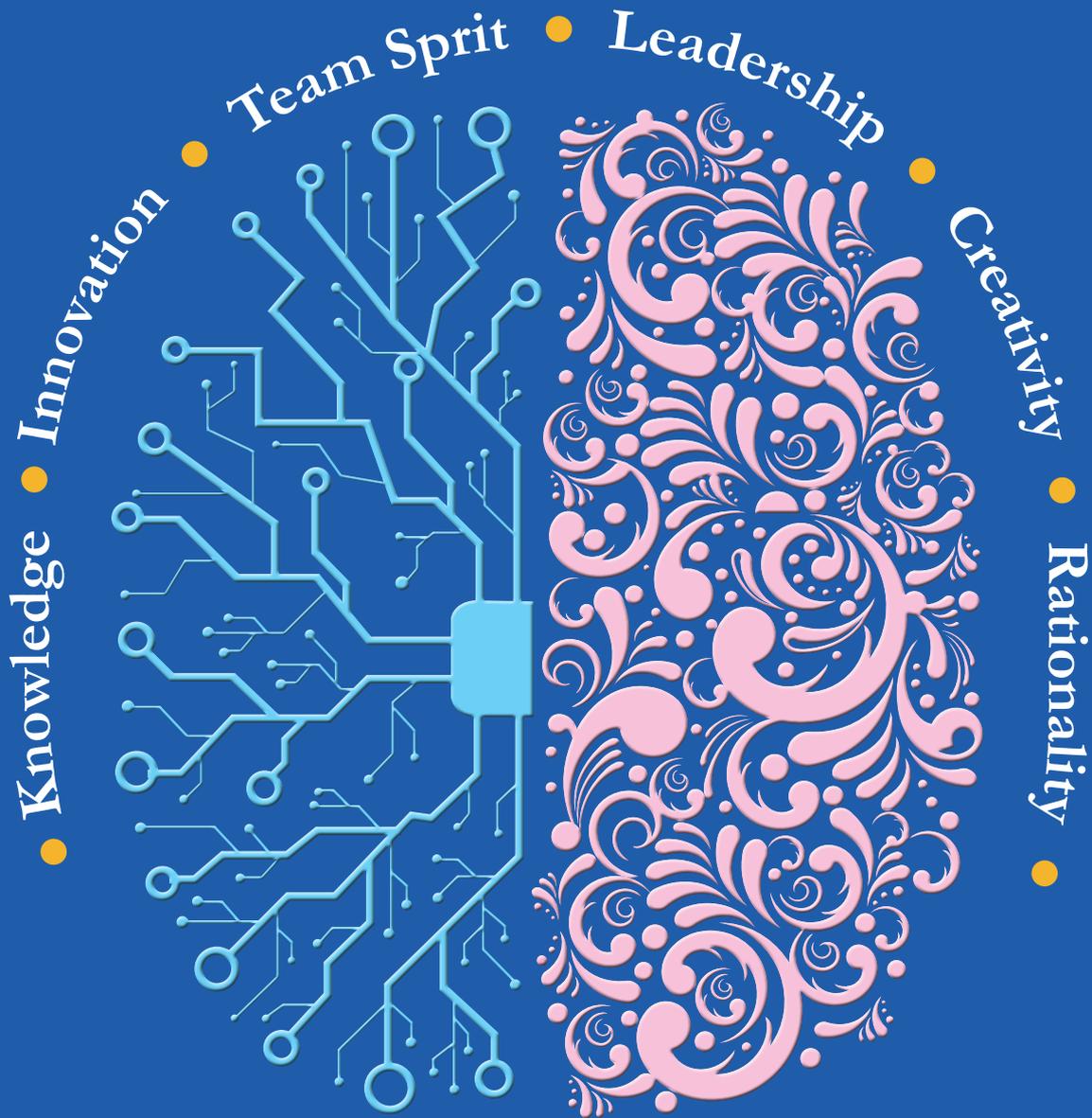




VOL 2016-17



EMINENCE

Thakur Educational Trust's (Regd.)

**THAKUR INSTITUTE OF MANAGEMENT STUDIES,
CAREER DEVELOPMENT & RESEARCH**

(Approved by AICTE, Govt. of Maharashtra & Affiliated to University of Mumbai)

ISO 9001 : 2015 Certified



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Editorial

With globalization and all the technological development, our country is growing at a brisk pace. To continuously grow with it, it is essential to equip the industry with trained and qualified human resources. TIMSCDR was founded in the post liberalization era to fulfill this need. The Institute has served the nation for the last 16 years and has provided the industry with business leaders who are poised to lead the nation into the 21st century.

The journey of 16 years has established TIMSCDR as one of the best institutes in Mumbai. I credit this success to the faculty of the institute who have been continuously endeavoring to innovate on the pedagogy by adopting the best practices available globally and our management to enable our faculty to do so.

A college is as successful as its students and we are proud to say that each one of our students has contributed to the image which TIMSCDR has created for itself since its establishment in 2001. It is our constant effort to provide a conducive environment wherein budding professionals unlock their entire human potential and develop their inherent skills and insight to facilitate them to take up leadership roles in their own right. One such initiative is our college magazine "Eminence" that provides an arena to boost their writing skills and accentuates the importance of articulating thoughts creatively.

The current year's edition of "Eminence" focuses on the writing expertise of our students. I wish it tremendous success.



[Handwritten Signature]

Dr. Vinita Gaikwad
Director

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TIMSCDR Diary 2016-2017

- Neha Yadav
Sem. III - A

- Urvi Asolkar
Sem. III - A

ORIENTATION PROGRAM

The Orientation Program's sole motive was to guide students about the functioning of the Institute. Its aim was to explain the norms and guidelines of the college, exam pattern, extra-curricular activities conducted and the placements provided. The purpose was to ensure a smooth transition of the new students into the life of TIMSCDR.

SPORTS DAY



TIMSCDR-2016 Sports Day held on 6-7 January 2017 was a mega success. Indoor and outdoor games viz. chess, carom, table tennis, cricket, badminton to name a few kept the enthusiasm



amongst the players high. The winners were awarded with certificates for their achievements. There was excellent participation from student of all batches.

THE SPECIAL DAYS



Traditional day, Rose day were some special days celebrated with exuberance this year. Active participation amongst the students kept the atmosphere jovial. Elegant sarees and traditional attires worn by students showcased our rich cultural diversity.

BUSINESS MELA



The entrepreneurship cell conducted its annual Business Mela on 3-4 October 2016. Stalls with interesting products were put up. Variety was truly maintained as every stall came up with its own unique business idea. Students had options to savour delicacies at the food stalls and select attires from the stalls selling clothes to having personalised gift items and accessories at an affordable price.



FRESHER'S DAY



The fresher's party held on 22 August 2017 at the TIMSCDR auditorium and organized by the Student Council was an attempt to welcome the new batch and to provide them with an excellent platform to introduce themselves. Mister and Miss



Fresher were chosen based on their performance in fun activities like ramp walk, brief introduction and talent display activities. Dazzling performances by the seniors were also given.

OUTDOOR TREKKING



TIMSCDR organized an official trek to Duke Nose, Lonavala with the college faculty accompanying the students. Students showed their vigour and the invigorating sights just added to their sporting attitude. It proved to be quite calm but a healthy workout for the trekkers. The breathtaking sight-seeing made everyone appreciate our nature's beauty more.

INDUSTRIAL VISIT

TIMSCDR organized an industrial visit to 'Mahindra Finance' on 25 March 2017 and 1 April 2017 for I year students. The visit started with a brief introduction and overview of Mahindra Finance.



The visit highlighted the advantages of network security issues, network security architecture, innovations and software project management and software used by the Industry.



SYNAPSE

SYNAPSE is undoubtedly the most creative event of TIMSCDR in which the students showcase any IT product conceptualized and designed by them. The event consisted of two stages- Curtain



Raiser and Final Presentation and the groups were ranked on parameters like uniqueness, originality, feasibility, finance management, promotional tactics which include printing advertisements and TV advertisements.



The winning team for SYNAPSE – 2016 was “SECURA” and the runner-up team was “ALERTOMETER”.

CYCLOTHON



Held on 28 January 2017 at Sanjay Gandhi National Park on a bright Sunday was cyclothon by the E cell committee of TIMSCDR. Every participant had to cover a minimum distance on their bicycle. Students had a great time bonding with each other in this cycle-marathon.



DLLE - UDAAN

TIMSCDR has been part of DLLE project since 2011. The DLLE Annual fest “UDAAN-2017” was held



at KES Shroff College Kandivali(W) on 23 January 2017. TIMSCDR Street Play and Poster making competition were themed on Status of Women in



Society and Population Education Club. TIMSCDR students bagged 1st prize for their performance in Street Play on the theme “SHAPATH”.

SCHOOL VISIT



The students visited Samata Vidya Mandir Municipal School at Kandivali (E) on 13 January 2016 to teach the primary students some basic concepts of computers. Not only was the session informative but also very interactive.

ICAIM- 2017



TIMSCDR organized its International Conference ICAIM 2017 on theme ‘Leveraging Information Technology for Inter-Sectoral Research’ in association with Association of Medical Consultants. It was a 3 day event that saw dignitaries from various sectors come and share their research with our college students.



On 15 April 2017, the staff, students and alumni of TIMSCDR met in the college premises for a couple of hours of awe, amazement, nostalgia and

VISTA



excitement. It provided an excellent platform to the alumni to connect with their alma mater.

BLOOD DONATION

The theme for our tech-fest, VISTA was “Antariksh” symbolizing the way IT is decreasing the distance from earth to space. Vista 2017 comprised of events like technical events, gaming, and cultural



Blood donation camp was organized on 20 August, 2016 in collaboration with Mahatma Gandhi Seva Mandir. The program commenced by the address of Dr. Mukesh Gupta (Consultant Obstetrician and Gynaecologist, Hon. Secretary AMC) on

events and invited numerous colleges from all over Mumbai. It was a great success with around 200 registrations. The rolling trophy was won by the students of “HIRAY COLLEGE”.



ALUMNI MEET AND FAREWELL PARTY



“Relevance of Good Health and Blood Donation”. Students and staff went through a series of medical check-ups before donating blood and were given refreshments and a certificate of appreciation for this service to humanity.

IoT WORKSHOP

A four day workshop on 13 – 16 February 2017 was conducted for students on Internet of Things (IoT) by TIMSCDR faculty. Students were trained



on IoT based tool kits, Arduino and Raspberry Pi. The objective of the workshop was to let the student get abreast with basic understanding of



micro-controller based electronics devices, sensors, LEDs. Prototype of projects like Temperature Monitoring System and Motion Detection System based on temperature sensors and motion sensors were demonstrated.



YOGA DAY



Yoga Day was celebrated on 21 June in TIMSCDR in accordance with World Yoga Day that was being celebrated all over India since its inception in June 2015. A thought provoking and invigorating session was conducted by Mr. Munish Khanna, a Conscious Leadership Coach.

STTP



Two week long ISTE approved Short Term Training Program on “Advanced Computing Techniques“ was organized from 29 April 2017 - 12 May 2017. The STTP mainly focused upon DCS Switching Certification in Networking and use of Information Technology in Agriculture. The STTP was inaugurated by Dr. Dhananjay Kalbande, Chairman, BOS - MCA, University of Mumbai.

ICAIM 2017

- Editorial Team

ICAIM 2017 was held at TIMSCDR on 17-19 February 2017 to promote research among professors and students. Theme of this year's conference was "Leveraging Information Technology for Inter-Sectoral Research" and was arranged in association with Association of Medical Consultants.

Inauguration of ICAIM 2017 was done by the chief guest Professor. Dr. G. D. Yadav, Vice Chancellor, The Institute of Chemical Technology. The guests of honor for ICAIM 2017 were Mr. Lalit Singhal, Head-Finance and Accounts (Vice President), Lupin and Mr. Sudhanshu Ojha, GM, D-Link Academy, India and SAARC. The conference was graced by the presence of eminent speakers like Dr. Nimita Limaye, CEO and Principal consultant at Nymor clinical consulting services; Dr. Arun Pandey, consultant and Director at Datamatrix, Infotech and Dr. Sanjay Sane, Senior Scientist at TIFR.

The conference started with the unveiling of the conference proceedings. The ICAIM 2017 proceeding contained 111 papers selected after a rigorous review process by highly skilled and diverse review committee. A welcome speech was given by Director Dr. Vinita Gaikwad. Dr. G. D. Yadav shared his deep insight on how IT is prevalent everywhere and how it is being used in ICT in various avenues like monitoring of lectures, submission of assignments and encouraged all to use

new techniques to engage the millennial generation. Mr. Lalit Singhal, congratulated TIMSCDR for organizing an interdisciplinary conference of an international level. He also discussed how Lupin uses Information Technology in its various daily activities. Mr. Sudhanshu Ojha discussed with students how various certifications by D-Link can help them shape their future better.

The program also included invited talks on "Role of IT in Clinical Research" by Dr. Nimita Limaye. She spoke about how technological solutions are bringing disruptive change to the clinical trials process. Information Technology is key to a world focused on making measurable improvements such as speeding study start-up, streamlining transmission of clinical trial data and overhauling how studies are monitored.

Dr. Arun Pandey took a session on "IT in Water: Research to Impact". He discussed technology development, conceptualizing and deploying innovative solutions in the field of conceiving energy and water sustainable solutions in agriculture, fisheries, utilities etc.

Dr. Sanjay Sane took a session on "The physics, neurobiology and eco-physiology of insect flight". He discussed various projects being conducted at the Insect Flight Lab of National Centre for Biological Sciences (NCBS). He also educated the audience about the neural basis of reflex coordination in





insects, specifically in the role of sensory modalities involved in insect flight.

The Conference provided an interactive forum on 'Improving Research culture in higher education institutions in India and Research in Industry' and 'Use of IT for Industrial Research – Expectations from Academics' to the researchers and the panelists. Important points of discussion were parameters to measure research for awarding PhDs, strong need for research in universities, compulsion of PhD on faculty, need to educate employees in relevant technology etc.

The chief guest on 18 February was Dr. Veena Pandit, President AMC and Anesthesiologist and the guest of honor was Dr. Mukesh Gupta, VP, AMC and Obstetrician and Gynecologist. The conference was graced by eminent speakers like Mr. Shubham, AutoAbode; Ms. Somita Pal, Journalist at Diligent Media Corporation Ltd, Mumbai; Mr. A. Vaidheesh, VP, South Asia and Managing Director, GlaxoSmithKline Pharmaceuticals Limited; Dr. Mehul Shukla, President, ICC Lowe LinHealth and Mr. Sanjay Mehrotra, Vattikuti Technologies

Dr. VeenaPandit congratulated TIMSCDR for organizing an international conference and hoped to organize more such programs in association with AMC. She motivated students by talking about 4 D's of life - Desire, Determination, Discipline, Dedication. She also released the book "IT made handy for doctors". This book was an outcome of joint efforts of TIMSCDR and AMC, in which all the software applications that might be useful for doctors to connect with their patients and store medical information have been elucidated in a simplified manner.

Mr. Shubham talked about "3D Printing" and also gave a live demo of 3D printing using a Duper 3D printer. He demonstrated various projects of AutoAbode like the caterpillar train, 3D dentures and discussed how it is beneficial in rapid prototyping and mock surgeries.

Ms. Somita Pal talked about "Future of IT in Healthcare Communications". She talked about how social media is being used in Healthcare and also to create awareness amongst people. A case study Facebook campaign of "Save Araadhya" was demonstrated by her.

Mr. A. Vaidheesh discussed "Disruptive Innovations in Healthcare Trends". He discussed how disruptive innovations, like we've seen in other industries, can bring complex and expensive health care products and services to greater levels of affordability and accessibility. He discussed various examples of disruptive technologies like wearable technology like Google Glass, Digestible Sensors and 3D Printed Biological Materials.

Dr. Mehul Shukla gave a talk on "Big Data Analytics in Healthcare". He discussed various needs of Big Data in healthcare like inferring knowledge from complex heterogeneous patient sources, understanding unstructured clinical notes in the right context, efficiently handling large volumes of medical imaging data and extracting, potentially useful information and biomarkers, capturing the patient's behavioral data through several sensors; their various social interactions and communications.

Mr. Sanjay Mehrotra conferred upon "Future of Robotic Surgery in Healthcare. He discussed about comprehensive solutions available for healthcare



providers and surgeon controlled robot assisted surgery that delivers enhanced surgical capabilities and improved operational efficiencies.

An interactive forum was set on various issues related to online transaction and how safe and secure online financial transactions can be achieved was discussed by the scholars and the panelists.

The Workshop for doctors 'Information Technology for Doctors' was conducted on 19 February 2017 with the aim to impart them IT knowledge relevant to their profession. Various modes of digital payments and online transactions

like UPI, BHIM, Mobile Wallets etc. that would be helpful to doctors in implementation of E-consultations and make online payments were discussed. Doctors were trained in use of various Google Apps like Google forms, docs, translate, calendar etc. to create and edit documents online easily, collaborate with others and manage their schedules effectively. Doctors were made aware of various digital marketing platforms like Facebook, LinkedIn, Instagram to reach a wider patient base, connect and communicate with them. It also helped them reach out to fellow professionals and widen their professional horizons.



An attempt to Heal

*That joy of loneliness,
That comfort of darkness*

*A bite of satisfaction when coldness kiss you,
That moment of emptiness when silence hugs you*

*There are millions but you're left alone from your own race,
That moment when you deny to see your own face*

*You're the loneliest yet the happiest one
Deny the joy, deny the fun*

*No one else's presence you want
That paranoid inside you, who haunt*

*You fight alone your own fight
Promises, remorse ... plight*

*In front of the world you deny,
In that loneliness you want to cry*

*Words can describe the joy you feel
Away from the crowd, away from the light...*

An attempt to heal

**- Nishant Adhikari,
Sem. V - B**

Your Success Secret Lies Within You

- Ms. Yukti Mehendiratta
Guest Article

(Ms. Yukti Mehendiratta is a pro-stylist and a performance coach based out of Mumbai, India. She is a Former Gladrag Ms. India, an ex-banker, model and anchor.)

Yesterday, one of my dearest friends had an important interview. She has just moved to a new city, and has taken some time off to settle down in the new house, and is trying to enter the corporate world again after a short break. She is extremely smart, one of the wittiest people I know, and was the star of her office in her past days. Unfortunately for her, on her way to the interview, her daughter smudged her new suit with fingertips stained with curry, the humidity frizzed her hair, and she chipped two nails while opening the car door.

She was just having a bad day; it wasn't her fault. But it didn't come as a surprise when she didn't get the job.

69% of hiring managers cited dressing inappropriately as their top turnoff about candidates. In fact, in an interview, the 10 seconds of your first impression make or break it. And in those first 10 seconds, most of the cues are non-verbal: like your dress, grooming, and body language. Personal grooming and presentation is crucial in today's world, and my friend learned that lesson first-hand.

Grooming sometimes gets difficult. With a thousand other things you juggle, sometimes paying attention to your clothes or hair feels like a luxurious vanity you can ill-afford that day. Unfortunately, be it job opportunities, invitations to a party you covet, or attention from a cute guy you like – all of your social (and professional) interactions depend on how you present yourself. Outside of work, you meet friends of friends, or spouses, or parents of your kids' friends. Most of them – subconsciously or not – have you pegged in the first few seconds. And 93% of this opinion is based on non-verbal cues. In fact, 55% of your first impression is based on your physical aspects (your clothing, hair, body language). 38% depends on your confidence, and the quality of your voice. In fact, the words you choose to speak, and the way you say them only matter a measly 7%.

Scary? I bet!

This just drives home the point that grooming and self-presentation shouldn't be one of those things that you pay attention to when you have the time. Which is never, let's be honest!

I'm not talking about primed enough for a walk down the ramp, but at least:

1. Clean, ironed clothes
2. Neatly arranged hair
3. Subtle makeup for women
4. No body odour
5. Shoes that are clean, and match your clothes

Research proves that to be successful, who you are, is much more important than what you know. And there are multiple ways of delving deeper into this art of getting to know yourself, and presenting the best version to others. For example, did you know that you can increase the chances of a positive impression by 36% by using the other person's name in the first minute of the conversation! Or smiling and looking at a person in the eye while being introduced to them makes you more likable by a whopping 50%.

There are no excuses anymore! Your success is solely dependent on you, and the way you present yourself. The secrets are within you – just unlock them. And if you need help, I'm only a couple of clicks away!



A Leaf from My Journey

- Ms. Malvika Sinha
Alumni Batch 2008

Few years back, I was just like you. Big dreams and even bigger confusions! My heart was filled with high ambitions and a desperation to achieve them. I was eager to step into the corporate world and make my own identity. This is how each one of you feel, isn't it?

Reality check: there are tons like us trying to sneak into the corporate each day. Worse for people belonging to the dark era of the 2008 recession. People refused to recruit talents due to recession. I was one of them. It brought me to a restless edge of an endless wait to hear from a leading MNC which had offered me a position. But thankfully I made the most of this time to build a strong foundation that I stand on today, 8.5 years into this mad rush of corporate life.

With constant changing times, few things I realized would never change. And they are the genuine traits that would get you closer each day to your goal. Passion and determination is the key. I never let my passion die. There will be many who will want to pull you down. Let them. You will be tried to be pulled down only when you are above them. That's your first sign of success. :)

One thing I learnt and something will always stand by: Let your work speak for you. Trust me, its heard louder till the farthest end. While you may have to blow the trumpet of your achievements at times, I'll suggest create a niche for yourself that someone else does it for you. Isn't it great if your own peers appreciate your existence and contributions?

I have a hunger to learn. And I realized that this kept me on toes to try new things, research new ways of doing even a simple thing. Don't educate yourself for the shining honor you receive at the end. Educate yourself to learn and grow. No knowledge goes waste. Let each education you take make you a better person, both personally and professionally.

I will also suggest you to make the most of the little opportunities you get during your college life. They really help you build a foundation to the kind of corporate life you may lead. Be it organizing the fests and events or even the demos that you may give after your internship. My heart aches for the genuine talents who couldn't gather the courage to accept and overcome their shortcomings. Communication and clarity of thought is what most people lack in different degrees now a days. Accepting and working towards your area of improvement not only help you grow but will also gain you respect in the organization.

We may reach the peak in our careers. We may become household names. But the hands that held you when you were nothing, will still be one of the strongest reasons for your success. Always respect and appreciate the sacrifices your family made to make you be where you are. Like it's very well said, behind every successful person is a family who trusted them and not the society.

All successful professionals were ordinary humans once. Their extraordinary thoughts and efforts brought them extraordinary success. I hope some of these leaves from my journey will help you blossom your paths.



'Life' isn't yours to take!

- Ms. Swati Verma
Alumni Batch 2015

What is it that comes to your mind when you read the word 'LIFE'?

To a few it might relate to be able to do things, being alive, being able to touch, feel and experience! To others it's a driving force, something like an unknown force (as we call GOD) has bestowed upon us! It's a gift given to us by nature. A priceless gift in existence!

I want to put this out very easy for you to read and not sound very spiritual. Nowadays we encounter different cases where people commit suicide or murder someone. We will get to those cases and types later. Although this is a very debatable topic and subjective too but I strongly believe and stand to my point that any life is not yours to take. Not even your own!

Just clear your head, slowly breathe in and breathe out and think - is suicide or murder the answer? I mean sure the problem ends but at what cost?

Let's talk about suicide to start with. About 800000 people commit suicide worldwide every year, of these 135,000 (17%) are residents of India, a nation with 17.5% of world population. Between 1987 and 2007, the suicide rate increased from 7.9 to 10.3 per 100,000, with higher suicide rates in southern and eastern states of India. So, what gives someone the courage to take up a drastic step like this?

I know all of us have many answers to that. But a person committing suicide doesn't wish to end his life, he only wishes to put an end to the problems in life. Most of the time its depression that creeps in and the

state of mind goes haywire. One must think of their family, friends and all that they leave behind selfishly enough just to end their problems.

I talk from personal experience. My heart just sinks when I hear of an incident like that. A friend of mine committed suicide after a few years of getting married. The reason why she did it will remain a total mystery always. But we must always talk about our problems and issues to at least one family member or a close friend. Life is too precious to give up so easily on it. We can always find a solution to things in life and move forward. It is easier said than done but we need to be strong.

A recent incident shook me badly. My mother's best friend's sister committed suicide last week. She



was married with two innocent kids. We had a great relation with her and she was always the cheerful one. No one could possibly imagine that she would develop suicidal tendency. Which is why it was a terrible shock for all of us when we heard the news. She hung herself from the ceiling fan in her room using a dupatta with her small child playing in the next room. Little did he, the innocent kid know that his life was about to turn upside down.

After a few hours of no response, the kid started getting restless. He took a piece of mirror and tried to look inside the room by placing it under the door. All he could see was two legs hanging in the air. The 7-year-old felt helpless and started crying. The neighbors heard him and came over. They called her sister immediately since she was the one staying closest to her. Coincidentally her sister (my mother's best friend) was having a cup of tea at our place, giggling over some random talks. She suddenly rushed to her sister's place accompanied by her son and my brother to see what's wrong. The first one to break down the door and enter the room was her nephew. He was braindead due to shock for a minute as he saw her 'maasi' hanging. He just didn't know how to react. Later the police got into the matter and everybody had to go give a statement. She was said to be having some fights with her husband lately.

As my mother described further events to me, I was almost crying and controlling not to burst out. She had a younger daughter who looked nothing less like an angel from heaven. The innocent soul kept asking my mother about her mom. She denied eating or drinking anything. She said "I know they

took her somewhere. I know she isn't coming back. I heard everyone say she is dead. I will ask God to bring her back to me. Until then I don't want to eat anything. I will wait for her." The way she said it, my mom couldn't help but embrace her in a tight hug. I couldn't even fathom at that moment what the kids must be going through!

Another issue is murdering someone. You hear cases like 'A bride murders her husband because he was not handsome enough' or 'In-laws kill her daughter-in-law' or 'Brother kills his social-media-star sister because girls are meant to stay at home' (in the name of honor killing) etc.

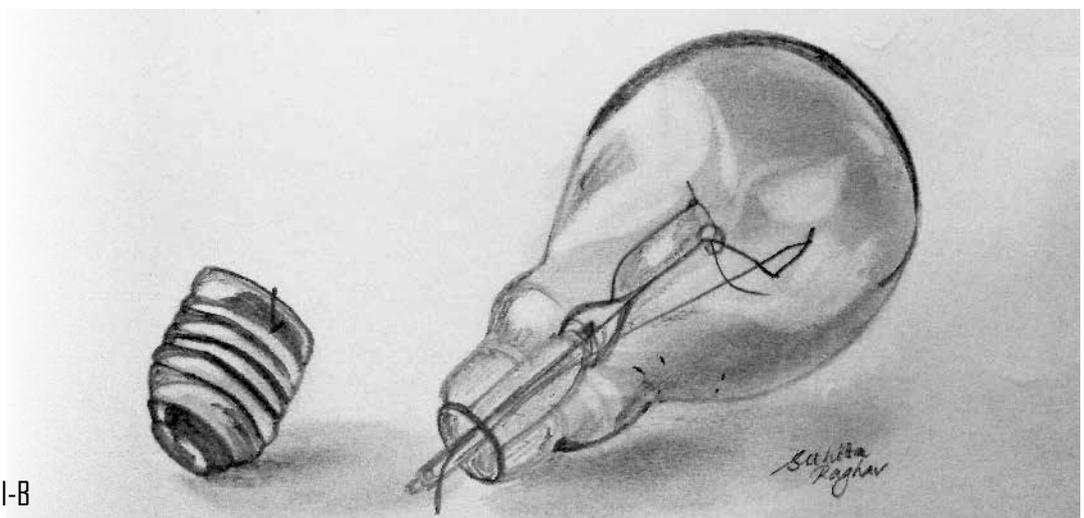
We all must have heard or read of some murder news which made us think "What is wrong with humanity?"

Well yes, crime rate has increased over the past few years. The way people think and their perspective is also very diverse. This is where the debate starts. A few justify honor killing. But humans forget one trivial aspect. This life is not ours to take. No matter what be the reason to do so, we have no right to kill someone! Anyone! At least that's what I truly believe.

So, I would end it while you ponder upon these questions:

Why don't we think it through before taking a decision like that? Why don't we think of all the people dependent on us? Why does sorrow triumph over all the love in the world? What can we do to influence people positively and stop this to save humanity? Happy thinking!

- Suhita Raghav, Sem III-B



Life at TIMSCDR

- Tanmay Sakpal
Sem. VI - B

Hello, I, TanmaySakpal, a final year student, would love to share my experience about MCA in TIMSCDR. Before I start off, a brief intro about myself, I am a techie who loves programming, have done freelance work like web dev, app dev etc. I also have a YouTube channel (<https://www.youtube.com/simplesnippets>) which is a tech educational channel for IT students and a bunch of other extra-curricular activities like Football, badminton, college fest participations etc. etc.

Okay, enough with the bragging!! :-D, but my point here is.... All of this was only possible because of some amazing TEACHERS of TIMSCDR. Yes, you heard it right; the best attribute of our college is the TEACHERS and I know I cannot personally name everyone here cause then the list will go on and on but without them, I wouldn't have achieved what I have achieved in my 3 years of MCA in this college.

So to start off with MCA in TIMSCDR, I got admission in the first round itself. Honestly I wanted SPIT as my college because my other friends got selected there, but now when I look back in time I think being in TIMSCDR made me the person I am today, and yes I have learnt a lot more than just the "KITABI KNOWLEDGE" which I suppose would not be possible in any other college at this level and again credit goes to the teachers of TIMSCDR. As soon as college started, I quickly realized a lot of syllabus is repetitive in nature as most of the subjects were covered in BSc(IT). So I decided to start working on extra add-ons which

could help me grow more compared to others. I gelled up pretty well with all the teachers right from the first year itself.

I took part in extra-curricular activities as much as possible in the First year as I could manage my academics pretty well along with them (quick advice : guys keep academics as first priority as that is going to be your gateway to placements!!). I interacted with teachers at a personal level and I could really connect with them pretty well. They have always been there as my mentor and I still interact with them whenever I get a chance.

First year of MCA was pretty smooth. Things got a bit difficult as SY started since I was doing freelance work and handling studies. My extra-curricular participation had to be lowered (still did help as much as possible) as I knew I could not let my academics get affected. By the end of SY I had started working on Android Development and made one cool App for MCA students – MCA STUD.

I got positive response for this App and because of which I started interacting with juniors more so I got know about their way of tackling MCA and how life is at TIMSCDR. One thing I would want to tell you guys is, life on the other side (JOB LIFE compared with COLLEGE LIFE) SUCKS!!!!!! I get to hear from students – MCA bohot difficult hai yaar, exams are boring etc. Yes at times they are but these are the times when you are still free to do a lot of things outside regular studies. Pursue your



hobby, try something new and hang out with friends as much as possible. Maybe miss out on a few lectures and rest or be with family and friends(Keep your attendance above 75% please :-D) So my SY at TIMSCDR went pretty decent, not as good as FY in terms of academics but in terms of learning new things SY was the best time!!!

TY in MCA was like “KAB AYA and KAB GAYA KUCH PATA HI NAHI CHALA”. Extra-curricular activities were almost down to zero except participation in Sports (Yes we did win Football and Volleyball – Just showing off :-D) Seriousness of Placements had got every student tensed up. Interestingly, I wasn’t that worried. Extra placement lectures were arranged 6 months before the placements even started which is like at the end of sem-4. The external faculty was super awesome in teaching aptitude and interview related things. However, I was still a bit busy in managing freelance work, studies and personal life. This was the time when my attendance at times was below the requirements and I do not regret the attendance part (just the number I mean) but I regret that I could’ve interacted more with teachers and students in that time. Coming back to placement lectures, they were awesome, but honestly, I hardly attended 10-12 sessions as they used to be on weekends.

So yeah, how did I manage placements? Well, I had a general idea about what to do and what not to do and I have always preferred to work or study at my own pace. I knew the subjects which I had to focus on and cracking aptitude is not really difficult if you have a general idea about how to tackle problems and an idea about the overall subjects to be studied, I was somewhat confident about the technical aptitude as I have worked on some projects. However the general aptitude was another thing all together. It needs a bit of practice. So I already had the book

provided by campus credentials which had all the subjects to be studied for the general Aptitude part. It took me 1 month (roughly 1-2hrs daily) to solve the book which gave me okayish level of confidence for tackling general aptitude. Lastly the more adhoc part of the interview process – Personal interview!! This is a totally different ball game as the ball itself is in the interviewers court :-D. Now this the part you can crack only if you have something valuable to offer to the company. What is that something? Could be super programming talent, could be leadership quality, could be flexible to work in different scenarios, could be your behavior.

Well, in most cases, in personal interviews I think they are looking for a candidate with good behavior, good communication skills and willingness to work in a flexible environment. Here they are not that worried about your tech skills as you have already passed through that step in the general and technical aptitude so they know you have that as a skill. HR related questions at times are the toughest. I was asked this as an HR question - Have you heard about the phrase - “Everything is fair in love and war”, what is your opinion about it? So yeah work on communication skills, manners and etiquettes.

Fortunately, I could crack my first interview itself and got placed in Asian Paints. In terms of academics in semester-5 things were tough as – padhai karne ki takad khatam ho gayi thi but yeah managed to score decent enough.

So yeah, that’s all about my experience in a nutshell and I can go on and on about this, but then I doubt it’ll ever end. You guys can connect with me on social media if you need any help, tip or anything you want to speak out and I’ll be happy to revert and help.

Thank you,
Cheers



A myth called the Indian Programmer

- Trishul Mody
Sem. V - A

They are the poster boys of matrimonial classifieds. They are paid handsomely, perceived to be intelligent and travel abroad frequently. Single-handedly, they brought purpose to the otherwise sleepy city of Bangalore.

Indian software engineers are today the face of a third-world rebellion. But what exactly do they do? That's a disturbing question. Last week, during the annual fair of the software industry's apex body Nasscom, no one uttered a word about India's programmers.

The event, which brought together software professionals from around the world, used up all its 29 sessions to discuss prospects to improve the performance of software companies. Panels chose to debate extensively on subjects like managing innovation, business growth and multiple geographies.

But there was nothing on programmers, who you would imagine are the driving force behind the success of the Indian software companies. Perhaps you imagined wrong. "It is an explosive truth that local software companies won't accept.

Most software professionals in India are not programmers, they are mere coders," says a senior executive from a global consultancy firm, who has helped Nasscom in researching its industry reports.

In industry parlance, coders are akin to smart assembly line workers as opposed to programmers who are plant engineers. Programmers are the brains, the glorious visionaries who create things. Large software programs that often run into billions of lines are designed and developed by a handful of programmers.

Coders follow instructions to write, evaluate and test small components of the large program. As a computer science student in IIT Mumbai puts it if programming requires a post graduate level of knowledge of complex algorithms and programming methods, coding requires only high school knowledge of the subject.

Coding is also the grime job. It is repetitive and monotonous. Coders know that. They feel stuck in their jobs. They have fallen into the trap of the software hype and now realize that though their status is glorified in the society, intellectually they are stranded.



How about we take a gander at one illustration. In 2007, an extension given way in Minnesota, executing many individuals, on account of steel plates that were deficient to deal with the scaffold's heap. When we revamp spans, we can utilize savvy concrete: bond furnished with sensors to screen stresses, splits, and war pages. This is bond that alarms us to settle issues before they cause a calamity. Furthermore, these advancements aren't restricted to the scaffold's structure.

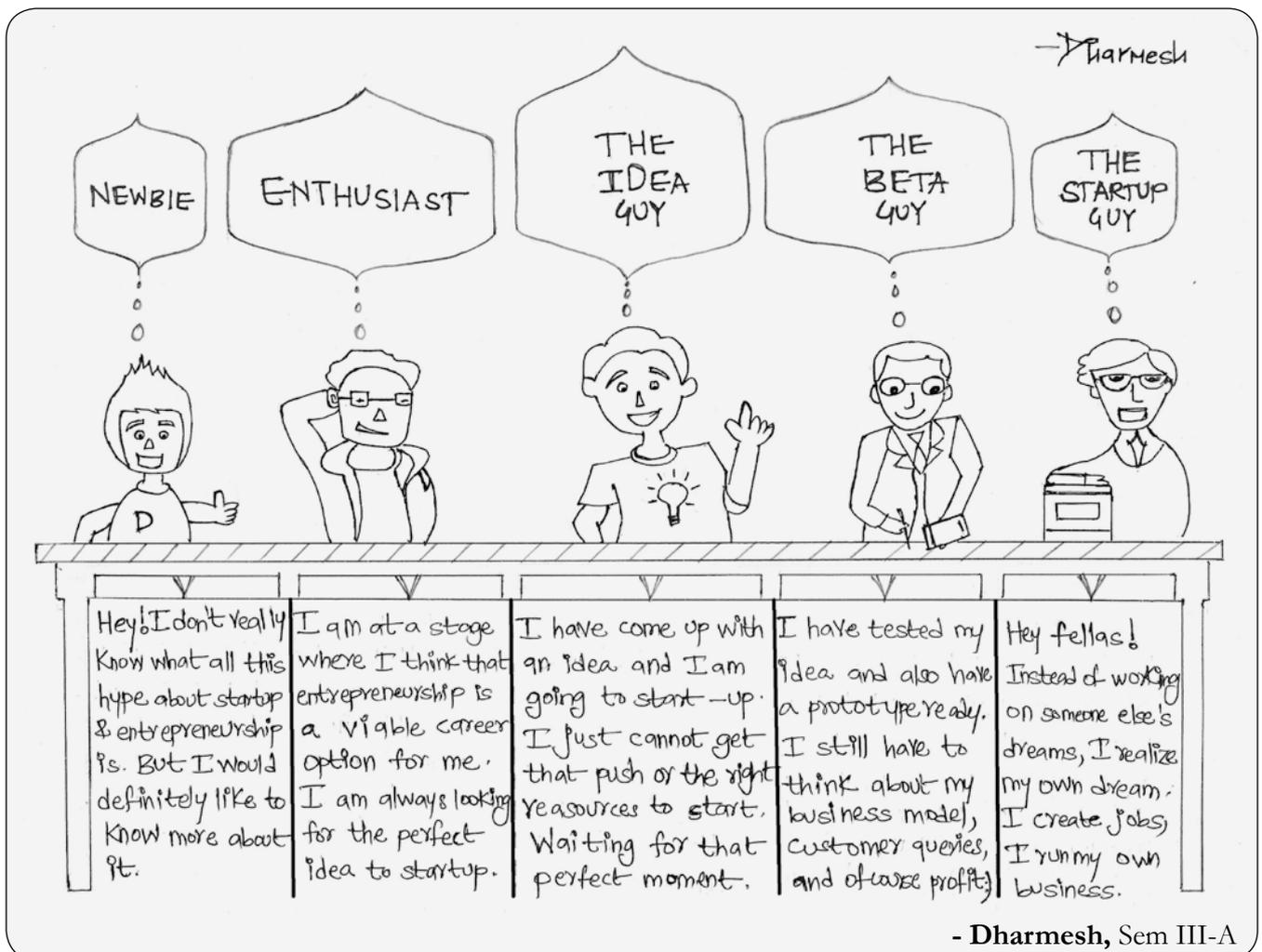
In the event that there's ice on the extension, similar sensors in the solid will distinguish it and convey the data by means of the remote web to your auto. Once your auto knows there's a risk ahead, it will teach the driver to back off, and if the driver doesn't, then the auto will back off for him. This is only one of the ways that sensor-to-machine and machine-to-machine correspondence can happen. Sensors on the scaffold interface with machines in the auto: we transform data vigorously.

You may begin to see the suggestions here. What would you be able to accomplish when a savvy auto

and a shrewd city lattice begin conversing with each other? Will have movement stream streamlining, on the grounds that rather than simply having stoplights on settled clocks, we'll have savvy stoplights that can react to changes in activity stream. Activity and road conditions will be imparted to drivers, rerouting them around zones that are congested, snowed-in, or tied up in development.

So now we have sensors observing and following a wide range of information; we have cloud-based applications making an interpretation of that information into valuable knowledge and transmitting it to machines on the ground, empowering portable, constant reactions. Also, hence connects end up plainly shrewd scaffolds, and autos brilliant autos. What's more, soon, we have keen urban communities, and...

Of all the innovation inclines that are occurring at this moment, maybe the greatest one is the Internet of Things; the one will give us the most interruption and the most open door throughout the following five years.



- Dharmesh, Sem III-A

Loving your Mother...

- Suhita Raghav
Sem. III - B



Many a times when we are alone and feel lonely we always want our mother to be with us and her love constantly gives us feeling of “Not to worry, I am there for you my Child.” In West, Mostly children call their mother’s Mom, Mamma or Mommy. But in India, Mothers are called by many different names. But, the love, care and respect is the same behind every name by child for their loved mother.

The bond or the relation between a mother and a child is the strongest of all relations in nature. A mother’s love for her child is unconditional. In a relationship between a Girl and a Boy or Husband and Wife words, emotions and love express the relationship between them but, the relationship between a mother and a child doesn’t need words nor any commitments. It’s undefined or rather can be said as infinite love with no boundaries.

A mother is born when a child is born. When she holds her new-born’s cute little hand in her palm the smile that twinkles on her face is just priceless. Motherhood gives a mother more strength and power to overcome problems and fears in life. ‘The Hand that rocks the cradle is the Hand that rules the World’ is rightly said as, a Mother is the foundation of a child’s life. A child acts like a mirror as soon as he/she starts growing. For a child a mother’s arm is soft and tender than any soft pillow, cushion or a cradle. Every small moment right from holding us in her arms, cuddling, holding our hands for making us write correct in kindergarten, giving chocolates to make us quiet and finally when we grow to adults and earn is what every mother loves and that feeling makes her feel very special and the best mother in the world. A mother understands what a child never speaks.

Right from Spoon feeding and Taking care of every little things of us by our mother’s... things start taking reverse turn when we grow up such as we start eating by our own, go to School, College, get busy in making career, marriage and family still.... we have our mother who cares and loves the same way she loved us during the childhood days. And so this way the bright smile starts turning to a wrinkled smile... But, still she loves and cares for us and we still love her and want her to be there after us...

Mother’s become old but Motherhood remains the same till the end.



TRYOS: A Journey of Unforgettable 36 hour

- Neha Pal, Dharmesh Aghada
Sem. III - A

“Life is a journey with problems to solve, lessons to learn, experiences to enjoy.”

Smart India Hackathon gave us all the reasons to explore our self. I'm so glad to share my Hackathon experience with you all. After hearing about the Hackathon competition, thoughts rushing in my mind constantly telling me these words - “LET'S TRY”, but like others I too had lot of things in my plate to deal with and so was running hot and cold at first but the thing which fascinated me the most was the idea of competing nationwide and for self-realisation. So, I did not want to let go this window of opportunity and so I finally made up my mind to take a part in this competition along with my friends and that is where it all began. In order to participate we required a team of 6 members with one girl mandatory, a subtle sign of woman empowerment. So, the team consisted of – Neha Pal (Team Leader), Dharmesh Aghada, Karan Mehta, Ankit Kesarwani, Deepesh Lad and Aman Tripathi. We christened our team “TYROS” meaning a beginner or novice (in our case learning new Programming Languages and Technology). Along with us there were other 3 teams participating from TIMSCDR. We also had to bring mentors with us who could guide us well in all situations and we ended up having 3 best experienced mentors – Prof. Sudarshan Sirsat, Prof. Kinjal Doshi and Prof.

Shaziya Shaikh. So ultimately, we were ready with our team filled with all joy, excitement, nervousness and hopes. All of us had to start with our research and project after teams were finalized and then we submitted our prototype to Smart India Hackathon, 2017. Smart India Hackathon (SIH) was a pan India 36-hour nonstop digital programming competition, where the participating teams had to compete from across 33 different locations all over India to offer digital yet sustainable innovative solutions to solve real time challenges faced by the nation. The motto behind this was to harness the innovativity of young minds like us and to provide real “out-of-the-box” solutions for real challenges for better India tomorrow. SIH was organized across India as joint initiative by Ministry of HRD, MyGov, AICTE, NASSCOM, NIC, i4c (Inter Institutional Inclusive Innovations Centre), Persistent and Rambhau Mhalgi Prabodhini. I would like to offer my gratitude to chief patron Hon'ble Minister of Human Resource Development, Shri Prakash Javadekar and chairman for organizing such a wonderful event and giving all of us such a huge opportunity and making it grand success. SIH was originally initiated to fulfil PM Narendra Modi's vision of India which includes Start-Up India, Make-In India, Stand-





finale of SIH, 2017 which led to only 1200 shortlisted teams for grand finale in India and we were one of them – we all were on cloud nine!

So, the journey of Tyroians with full of excitement and joy to live the whole new experience began from Lokmanaya Terminus to all the way to Hubli (officially known as Hubballi),

Up India, Digital India and Skill India. We had to choose one out of 598 given problem statements categorized into 28 different categories each having different set of problem statements. After few narrow discussions for which one to go with, we all agreed and concluded to one topic eventually. Phew... What a day it was! Finally, all of us were geared up for the amazing race to begin. We chose a problem statement Online Registry System for Research Topics of PG/ PhD/ Research Projects which was under the department of Ministry of AYUSH. It took us some while to gather all the necessary information and then we were ready with our prototype idea which we had to submit to SIH. We intended to make a single and generic integrated platform where all the medical researchers and intellectuals across the country could submit their research project work in a centralized online registry library where they can submit, maintain and can keep a track of their existing work and to name some features we were offering were plagiarism reports, 2-Factor Auth, Real-time Notifications and so on. Based on which the final teams for Grand Finale of SIH, 2017 were shortlisted. At the end of all submissions from all teams across India including 50,000+ participants, there were total 7531+ ideas submitted from 2100+ technology institutions all over India. Out of 7531+ teams with prototype ideas, approximately only 10-15% submissions were shortlisted for grand

Karnataka. The 14 hours' train journey was full of amusement and witty with plenty of selfies, time-killer fun games like cards, music, chit-chat and so on. Finally came Hubballi station, where we all landed out of the train and saw all Kannadigas especially pure-hearted 'annas' and our SPOC who was waiting for us to greet our team. There was one big banner put on the desk at the station saying "Welcome to Smart Indian Hackathon – World's Biggest Digital Movement". He helped us with all the formalities and registration and a bus was arranged for us to reach to B.V. Bhoomaraddi College of Engineering and Technology – one of the biggest college in Karnataka. After reaching our destination, we did the pending registration, got the accommodations and took a load off one's feet. In the evening, we went out to explore a bit and saw a beautiful lake. After a small rejuvenation, now it was the time to prep our strategies a night before the competition and did an overview of our project. We all were very enthusiastic and bit anxious since only few hours were left for the sun to arise and the beginning of the world's biggest opportunity for every participant present there.





It was day 2 – beginning of the SIH challenge and trust me the feeling inside us was so amazing we cannot even describe it in words. We got ready quickly and the feeling of pride emerged as we wore the SIH 2K17 TYROS printed T-Shirt representing our TIMSCDR College, our state and our-selves. We got assembled at the auditorium for the inauguration speech by Honourable Minister Mr. Prakash Javadekar Head of SIH 2K17 via online video which motivated us and boosted our energy. It was a very good experience to interact with our fellow friends from different states both competitors and organizers. We got to our assigned lab where they instructed us about the guidelines of the competition and had to code non-stop 36 hours which included 3 mentoring rounds followed by 3 judging rounds. We were obviously ready with our prototype after all the hard efforts we had spent in our college and working my fingers to the bone from last 2 months. We setup our environment and started working on our coding each taking care of different modules and all those sleepless nights were flashing in front of my eyes where we used to spend plenty of hours in a day to build our project which did nothing but only motivated us to do our best. After few hours of coding and semi-integrated project code, it was time for the first mentoring round where they saw the first module of our project. We explained the whole project idea and technology stack to them and they were pretty much impressed by our work. Well, I do not intend to boast but just saying it because we had got few compliments by the panel. They also guided us with some enhancements that could stronger our place in finals since they all belonged to well-versed industries and were tech gurus. After a delicious lunch, then came the first judgement round in which each team were given marks on 5 different aspects (IIIEE) which

included Introduction, Idea, Implementation, Explanation and Execution. With the best of compliments from the judges, everyone was awestruck by the level of technology and functionality we were offering at this age. Our project was more tech-oriented than traditional website since we were giving many security

and authentication features and functions to secure the research work, but as you know life is all about un-expectations and so there was a twist which completely blow our mind and we were actually facing real life experience. The judges had some misconceptions with our idea and wanted a simple online repository with more than half of the technological features debarring since our project was for Medical Research Intellectuals who use minimal technology. After discussing with the judges and board of members of Ministry of AYUSH personally, we rephrased our objectives and were back to square one. We all were bit tensed but none of us gave up and started working on the new module even faster. In the evening followed by snacks the second mentoring round started where a team of three new members arrived to evaluate our project and guided us well after knowing the present situation. Now it was time for some fun, a zoomba night for all the participants and can of energy drink Red Bull to energise all of us after 20 hours of sitting in front of our machines.

“Every morning is a new chance”.

The next morning was again the judgemental round where a panel of highly qualified dignitaries arrived to our desk and got impressed by our improvements over the project and the speed of our work in such a short duration. After the judging, there were few more additional requirements from the judges to implement. Later, the last session of mentoring begun, and they helped us a lot to achieve our target and it was our pleasure to learn things from them. Then it was time for round 6 – the last and the final judgemental round for SIH 2K17 with all the judges and mentors together. It was the last chance to prove our self and mark our achievement.

We knew we had few ups and down and the long day struggle but we were ready for the final explanations. Due to the haste of work we ended up goofing our project and got stuck in the last round. Even though the judges still wanted us to overcome the problem they supported us immensely on basis of our first shown prototype but we were falling short of time. Unfortunately, we lost the Grand finale but it is fairly said, "Failure is the key to success."

Everybody was drained with their thoughts and it was like a nightmare for all of us. It was really hard for us to digest the result after those immense hours of hard work and endurance. The winners were awarded with the trophy and us with certificates and will work to change it next year. The Smart India Hackathon got ended up by lots of experience in the basket and a bag full of knowledge for further stages of the life. Then we were asked to share our

experiences which was captured and broadcasted nationwide. Our interview to DD News Channel will always be memorable and it was a proud moment for not only us but also our mentors and parents. Another best part was when the judges came to us at the end of prize ceremony and complimented our all ideas and efforts and said we were almost there so you guys had done a great job and motivated us for the last time. Even though we had some quarrels and long arguments and the sad lost, I learned few things and will never forget the amazing experience I had in SIH 2017 journey. Lastly, I want to gratitude to our director ma'am, our beloved professors and everyone who helped us in our thick and thin and gave us few suggestions, motivated us to do better and for all the love and support we got from the college. Smart India Hackathon 2017 – World's Biggest Digital Movement gave us a whole new way to look at life and to face every challenge happily!



Adieus

Batch-A (2014-2017)



Batch-B (2014-2017)



Glimpses

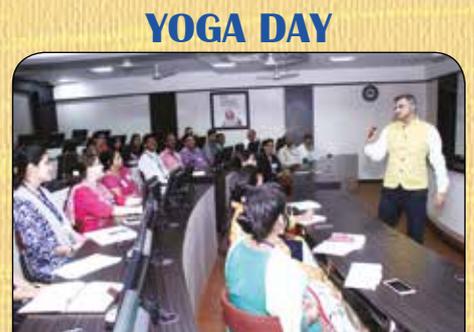
ICAIM 2017



DOCTOR'S WORKSHOP



IoT TRAINING



FDP

YOGA DAY

STP



BLOOD DONATION

BOOK EXHIBITION



Beyond Lectures

SYNAPSE



CYCLOTHAN



INDUSTRIAL VISIT



SWACHH BHARAT

NEN CERTIFICATION



SCHOOL VISIT



CONVOCATION



GUEST LECTURE

Celebrations

SPORT DAY



FAREWELL



BUSINESS MELA



FRESHERS DAY



TRADITIONAL DAY



ALUMINI MEET



DUKE NOSE TREKKING



New Solar System

- Pritish Kadam
Sem. III - A

Space experts have quite recently distinguished a close-by nearby planetary group facilitating seven Earth-sized planets. Most interesting: Three planets that circle its focal star — known as TRAPPIST-1 — may even be in a tenable zone. That implies they fall inside a district that could bolster life as we are probably aware of. All things considered, these recently discovered universes are great destinations to center a look for outsider life. TRAPPIST-1's enormous planetary family additionally implies that numerous a larger numbers of cousins of Earth may exist than stargazers had suspected. It's fairly dazzling that the framework has such a variety of Earth-sized planets. It appears like each steady spot where a planet could be, there is an Earth-sized one. Also, he includes, "looks good to find livable planets."

Astrophysicist Michaël Gillon works at the University of Liège in Belgium. He had discovered three Earth-sized planets around TRAPPIST-1. This small star is just about the span of Jupiter. In addition, it is significantly cooler than the sun. Also, it's a relative, neighbor to Earth, an insignificant 39 light-years away in the heavenly body Aquarius. Line

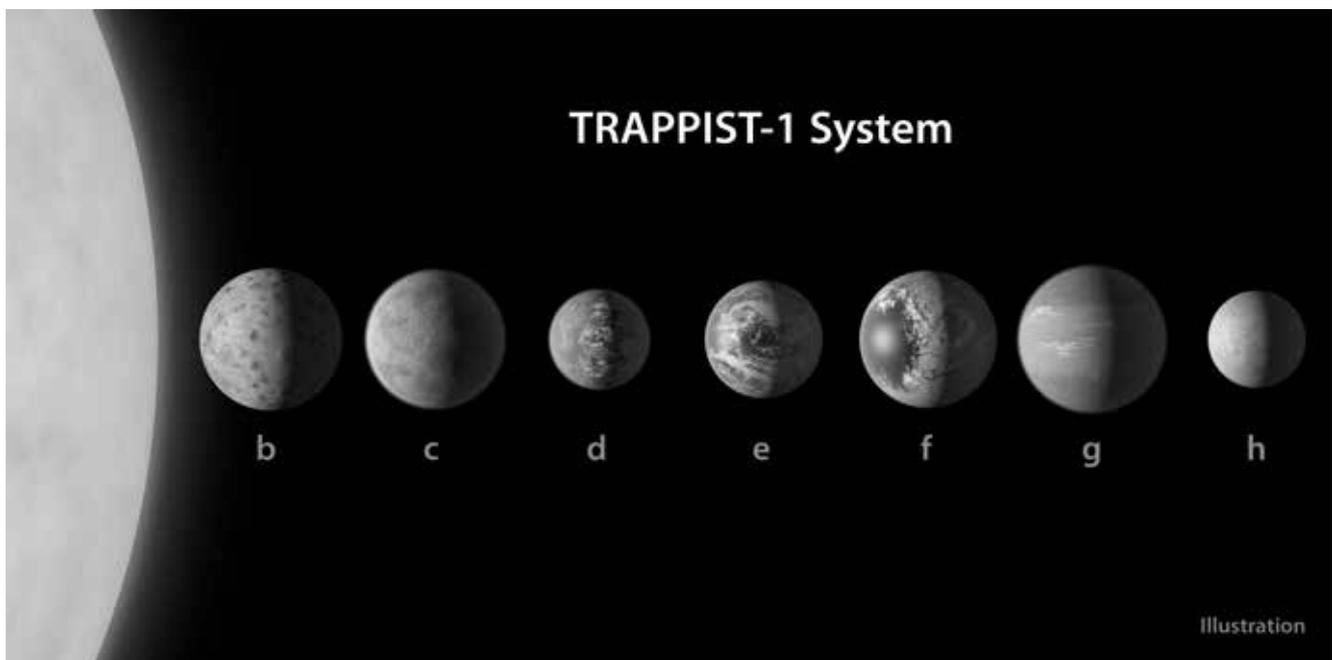
up perceptions with the Spitzer Space Telescope and extra telescopes on the ground now demonstrate that what first had all the earmarks of being a third planet is really a quartet of Earth-sized ones. Three of these might be livable. On the off chance that those planets have Earthlike airs, their surfaces may even host seas of fluid water.

How they detected the new universes

Every one of the seven planets were recognized by observing how their star darken as each passes — or travels — before it. Researchers measured the amount of the star's light each travel obstructed from Earth's view. Knowing how enormous a planet would need to be to do that, the stargazer figured that every one of the seven must have generally an indistinguishable sweep from Earth.

Those dunks in starlight additionally indicated how quick the planets circle their star: The deepest one makes a round trek in 1.5 Earth days. The furthest one takes about 20 days.

The planets' masses go from about half to 1.5 times that of Earth. To make sense of that, the analysts



took a gander at the way the six internal planets pull on each other. The mass and size information then permitted the group to ascertain the planets' densities. The greater part of this recommended the internal six are rough, as Earth seems to be. The length of every planet's day — how rapidly it turns on its pivot — may adjust with its sun's circle. That would make the deepest planet's day 1.5 Earth days long and the peripheral one's 20 Earth days long. That would resemble Earth turning once in 365 days rather than in 24 hours.

Such a turn would keep a similar side of a planet confronting its star constantly (much as one side of our moon dependably confronts Earth). This would give each of TRAPPIST-1's planets perpetual day sides and night sides. Space experts expected that would make the planets excessively hot on the day side and excessively frosty on the night side, making it impossible to be tenable.

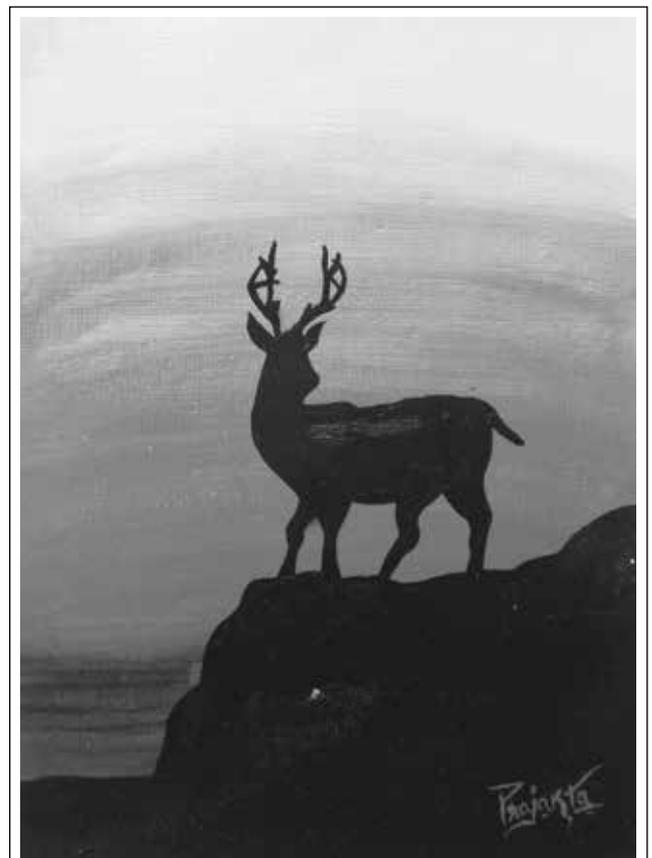
Be that as it may, on the off chance that they have Earth like airs, three of the planets would in any case be sufficiently warm all over to have fluid water. What's more, that is one necessity for an alleged bearable "Goldilocks" zone — a domain that is not very hot or cool to bolster life. This nearby planetary group's seventh planet presumably is frigid, Gillon says, maybe like Jupiter's moon Europa.

"We are on the correct edge to see this framework and its Earth-sized planets," notes Deming. "For each framework we see, there are handfuls increasingly that we don't." Stars like TRAPPIST-1 with Earth-sized planets are presumably not uncommon, he now suspects. On the off chance that they were, it could have taken numerous more perceptions to discover a few.

Concentrate the climates of such planets could uncover in the event that they have a life. One thing to search for: the gasses methane and oxygen. Stargazers can search for those airs (on the off chance that they exist) with the Hubble Space Telescope or its successor, the James Webb Space Telescope (which is because of dispatch in 2018). Deming is mindful, notwithstanding, about how simple it will be to test for points of interest of planetary climates. The light from ultracool small stars can shift, he notes. Furthermore, it can be difficult to see how the planets' airs may carry on.



Didier Queloz is a cosmologist at the University of Cambridge, in England, and one of the new review's creators. "We have no clue what these planets look like at this point. They could be wet or dry. We simply don't have the foggiest idea," he says. "In any case, surprisingly since the primary exoplanet was founded 25 years prior, we might have the capacity to answer the question about existence past our nearby planetary group."



- Prajakta
Sem. III-A

The real life Jarvis: Artificial Intelligence

- Nehali Parulekar
Sem. III - B

Ever since the release of Iron Man series, it has been dream of every individual to own an iron man suit and of course an Artificial Intelligence like Jarvis. While it is still a dream for each and every one of us, Facebook CEO and Founder, Mark Zuckerberg is living the dream with a personal Artificial Intelligence.

Mark Zuckerberg takes up a new challenge each year, like reading two new books or meeting new people each day or learning a new language. This year Mark's new challenge was to build a new and simple AI which will help him at work and run his home. While he keeps a theme for each challenge, this year's theme was an invention, which he announced in January earlier this year.

He worked around the year, putting more than 100 hours for the virtual assistant and named it after the Iron Man AI, 'Jarvis'. Earlier there were confirmations that the Artificial Intelligence will be voiced by the Ironman, Robert Downy Jr. himself, but later on, it was voiced by the renowned actor Morgan Freeman. (What's better than having the voice of the god for your assistance isn't it?)

The multi-millionaire showed off what all Jarvis can do in a short demo video, including controlling appliances, playing music, handling out a computer controlled T-shirt cannon, also not only recognising faces, but also identifying the people at the door and also letting you know if they are the guests you were expecting, and running the toaster, because food is important too.

During an interview, Mark explained the many difficulties

he faced while coding and programming the AI. He stated the struggle while creating Jarvis was to connect all types of gadgets and devices to the system as not all devices are connected to the internet.

In a Facebook post, he stated - "One aspect that was much more complicated than I expected was simply connecting and communicating with all of the different systems in my home." Before I could build any AI, I first needed to write code to connect these systems, which all speak different languages and protocols.

"Further, most appliances aren't even connected to the internet yet. It's hard to find a toaster that will let you push the bread down while it's powered off so you can automatically start toasting when the power goes on.

"I ended up finding an old toaster from the 1950s and rigging it up with a connected switch." Mark feels that phone is a perfect home device for AI assistance and commanding as you are not restricted to engage with the AI only at home. He thinks that text input is as important as voice commands while interacting with the AI and that the AI should support both the text and voice input, Mark expects that Artificial Intelligence will outperform human beings in the next decade with getting better at the basic human senses like seeing, hearing, language etc.

The next big challenge, Mark included is to teach Jarvis how to learn by itself.



Journey from Office to College

- Varun Agrawal
Sem. III - A

Hello friends, my name is Varun Agrawal studying in MCA first year. I would like to share my experience with everyone and give a short introduction about myself. I am very passionate about programming and also have an experience in Android development. I also work as a freelance programmer.

After completing my Bsc IT it was a bit confusing for me to decide whether to work or to do further studies. I studied in Thakur College and they offered us campus placements. I was excited to join the company. I received an offer letter as well and was given different roles like Database administrator and tester. Since, I wanted to get a good experience, I decided to find a job on my own. I gave interviews and got selected in a company which had Graphic designing, 2D-3D animation, game and app development.

I was interested in Android development so, I joined the company called 'CIRCLE CREATION'

where they gave me an opportunity to learn android programming for a month with the help of an iOS developer. He helped me in all the possible ways. As time passed, I got a project that was only to manage maintenance of an app called 'WHY NOT BART'.

I found the coding standard much better in my office compared to the one I learnt in college. It was something different with good architecture. I also started to think more practically and was quite focused in coding along with my future goals. I was unaware of the architecture during my college days. So, this job helped me to learn about many other things along with architecture.

During this time period, I also planned to complete my Masters as my mother suggested me to pursue a degree as it would help me build my future and make more success. I got compliments for the app maintenance and later I and an intern got to build an app called 'ZONNETT', a car maintenance app which had a deadline of one month. It was done,



we completed this app and it was launched on play store.

After completing this app, I had taken a leave to prepare for my MCA entrance exam. But, my project manager was little against because he thought I was doing very well as an android developer. But I still managed to prepare for my exam. There was a guy named Tanmay Sakpal in TIMSCDR who created an app for students called MCA STUD. I interacted and asked him how to prepare for my exams. He and his app not only helped me but many others too. It was a very trending app. I thought of going to SPIT only if I scored good percentile.

I gave my entrance exam was back at work. We had a project already which was to create an app related to food. The app was named as 'FOOD ROMEO'. While working on this app development and I had to also look into my MCA admission process. The admission process was lengthy with many merit lists to be displayed. I got admission in TIMSCDR. I couldn't get into SPIT because of the cut off. So I joined TIMSCDR. Also I had completed this Food app and finally it was time to start a new beginning.

It was a great experience working as an Android developer that I didn't feel to leave my job but things don't work the way we want. As it was my last day they had a problem in our app ZONNETT so I had to work for a week and then join college. It was sad to leave the office but was also excited to go to college again.

I went to college a week later as I had to fix issues and bugs in my app, so I was kinda scared if I would make friends or not and many other things were in my mind but I managed to make friends and got along with everyone. Soon, a Fresher party was organized by our seniors which was superb as I got to know my seniors as well as my batch mates. I decided to be active in cultural activities as in my earlier days I never took any interest in this stuff. After doing one year job I realized that it's a part of our life where we can create memories by bunking some lectures which also paid me with some bad grades in first semester. Bunking in office was never a good

idea as we got salary which would get deducted if we bunked. Also this path of my life made me realize to be punctual in my everyday activity. We can be 5 minutes late in a lecture but reaching late to office was like a big loss to cover up for. So after this, I planned everything and gave importance to everything equally. Working in office showed me the borderline of a level of professionalism and discipline which is hardly seen in college students. It's important for each and every one of us to understand our path and be serious and focused to it.

Udaan festival which is the cultural festival of DLLE, ICAIM which is the conference conducted by TIMSCDR, Vista TIMSCDR's cultural cum tech festival, farewell and then the alumni meet; I sportingly participated in all these events. I hardly attended any lectures but Thanks to the faculty, they cleared my doubts and helped in each and every possible manner.

I enhanced my skills and learnt something new while working as an Android developer. Switching to a college student from an intern wasn't an easy task because only thing to do was to go to office and start making projects. But as a college student I had to submit assignments, prepare for my exams and also attend lectures. Though working made me miss my life as a student. So I was happy at the same time because I got to live this little carefree life again.

So this was my journey hope you liked it

Cheers.



How Do Innovations Start??

- Karan Mehta
Sem. III - A

Innovations are vital for business, health, survival, and success. All innovations start with an idea. Understanding the origin of ideas for innovations is critical to firms that are striving to come up with the next big idea before competitors do.

The study yields three main findings, the first two of which run contrary to prevalent thinking in the marketing literature. First, inventors play a significantly bigger role than customers in the origin of ideas for innovations. Second, the benefits of the innovation to customers increase as the role of customers in the origin of the idea decreases. Third, superior benefits also increase as the role of active technology increases.

The Following statements are the one which may start an innovation:-

Innovations come from inside you.

Ideas, inspiration, and innovation only seem to come from outside you, but they don't. They always come from inside you. The only exception is small teams, but only intimate groups in real time in the real world, never large-scale or online collaborations.

It comes from obsession.

Albert Einstein believed the light was special, unique. He was obsessed with light. Elon Musk is obsessed with manned space travel and electric cars, among other things. Every successful founder I've ever known was inspired by an obsession. If you're obsessed, you never need to be inspired by anything else.

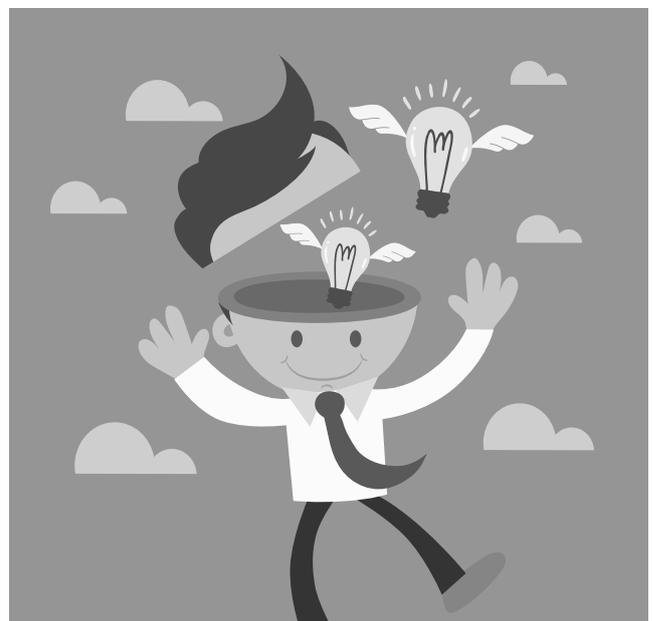
Innovation comes from history. Microprocessor architecture comes almost entirely from the way mainframe and minicomputers were designed decades ago. So much innovation comes from ancient history, it isn't funny. Why reinvent the wheel when you don't have to?

It comes from perseverance. According to my literary agent, authors tell her success is a matter of keeping yourself in the chair. Steve Jobs said, "You've got to have an idea or a problem or a wrong that you want to right that you're passionate about, otherwise you're not going to have the perseverance to stick it through. I think that's half the battle right there."

Innovation comes from focus, discipline, and patience.

These days, everyone is obsessed with squeezing every ounce of personal productivity and self-improvement out of themselves. That only takes you further away from innovation. Innovation comes from focusing on one thing and letting everything else fade to black. It's the big picture that drives you and that's also what drives you to come up with unique solutions to tough problems. "Innovation distinguishes between a leader and a follower." - Steve Jobs.

Hence, to be an investor, you need to be a believer, a leader, a person with a good perception. Combining all those factors a person is destined to be a good inventor.

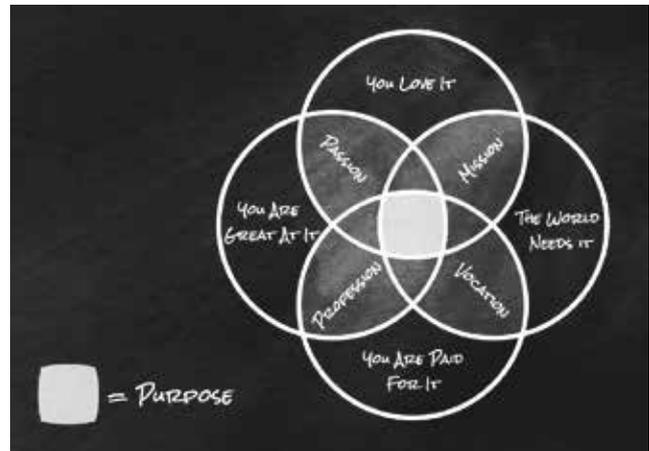


What is the purpose of LIFE?

- Kaushal Shah
Sem. III - B

We have found out answers to the questions raised over the years. But do we know the answer to the most important question “WHAT IS THE PURPOSE OF LIFE?” Some believe that GOD does exist but some do not. Who created us and why? Is the answer scientific or mystical? Out these questions one thing is for sure that there is a CREATOR and is responsible for this wonderful CREATION called humans.

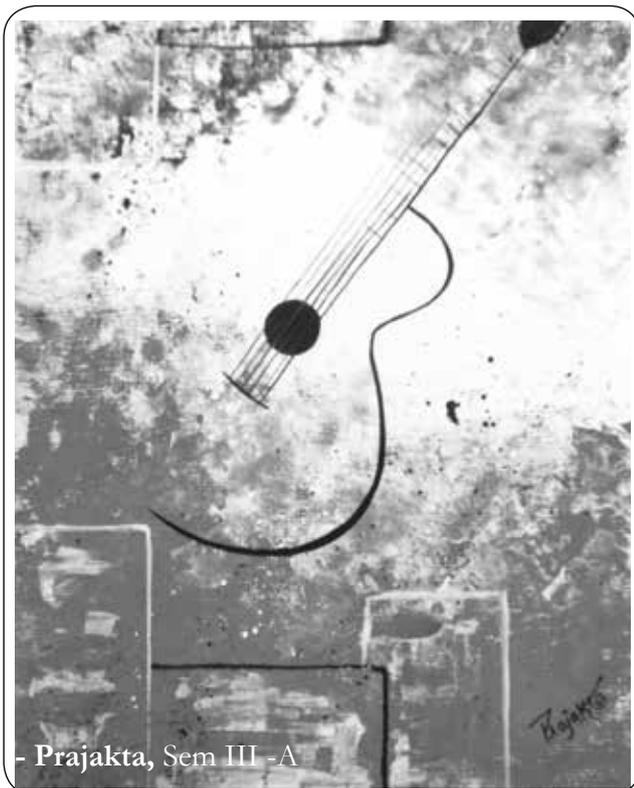
Today in this 21st century, we have come a long way where history was rich and now the present is richer in various aspects of life. Years went by and responsibilities increased. Some people did their best and succeeded. But some are known while some remain unknown. Competition increased and power of money too. Money has taken the control over the minds of humans and that is the reason they are failing to understand people who has the right knowledge and advice. Not only money, but also greediness, materialistic possession and fear. Another factor that has made us lazy and



like a handicap, is technology. Computers, mobile phones, video games and myriad other technologies are beneficial, but we use them without knowing the pros and cons. Today’s generation loves burger, pizza, tacos and many junk foods which have made us unhealthy. Parents who teach their children to become capable are not interested in what their parents have to say, but are so fascinated by the technology that they think that they can achieve everything without anyone’s help. Thoughts have changed and so have the lifestyle of people. We do things just to satisfy ourselves and rise above all. Needs increase and so do the demands? We are capable of doing great things but we don’t really listen to what our heart wants and waste our life in following others and working hard to live a luxurious life.

Great people who have done things that changed us were close to understand the purpose of life. We as humans have so much to know, so much to see and so much to understand about this cosmos we live in. We are like tiny particles and we can become huge once we know what we want from this life. We will become rich or poor, famous or unknown, broken or happy by what we think we are. Why do we need to know the purpose of life? Is it possible to answer?

Or is it just a trivial question that no one cares about? What is your opinion? Have you found your purpose of life?



Mileage Tips and Bike Maintenance

- Jerome D'Mello
Sem. III - A

Most of the younger generations nowadays in India are inclined towards buying a 2 wheeler. However the maintenance and extracting the best mileage is mostly ignored. We'll talk about this in detail further in this article.

The Bike (or any vehicle for that matter) is not just a machine, it's a friend. Something that won't leave you if you respect it. And we often tend to forget that. So without further ado, let's dive right into the topic.

I do not like to be called an expert as I believe in learning frequently in each and every phase of life and in every ride for that matter.

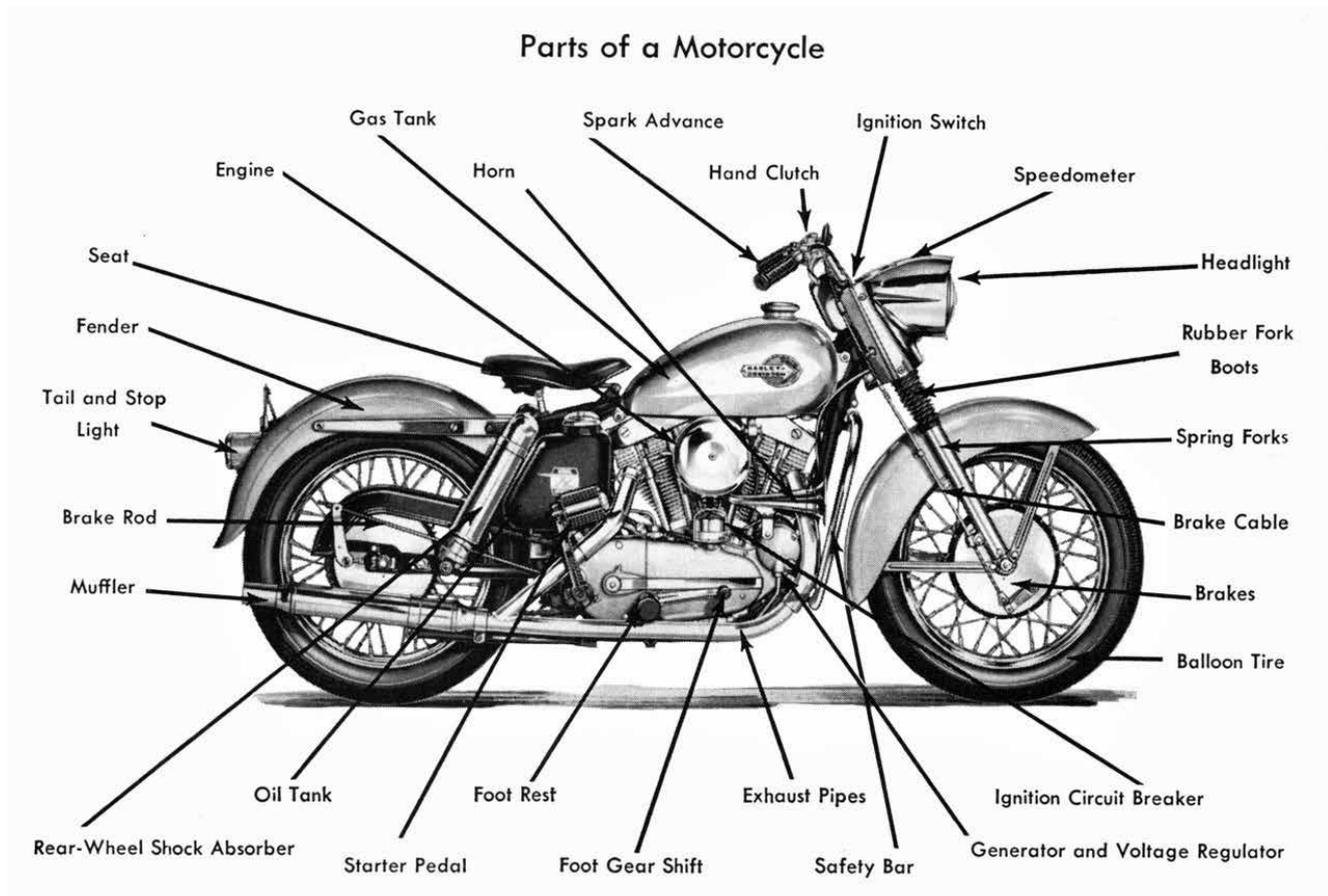
The following tips are in no particular order:-

1. Reading the User Manual

Most of us behave lazy and neglect the importance of reading the manual which comes with the bike. Investing those few hours would really ensure that the Bike serves us better and longer.

2. Engine Break-in Period

This usually holds good for the first 1000kms you clock on the ODO-METER. For those of you that don't know it is the count of the distance you're bike has ridden. For the first 500kms DO NOT REV THE BIKE BEYOND 4500 RPM and for the next 500kms BEYOND 6000 RPM. As the Bike is new the various parts of the engine wear and tear and fit themselves according to the riding conditions. This plays a very important role in optimizing the mileage of your beast and helps to keep it in its very prime form for a longer time.



Also a lot of manuals and experts say that you should not cross 50kmph for the first 1000kms and 70kmph for the next 1000kms.

3. Avoid frequent braking and clutching

Inexperienced riders tend to do this more, now this is a very good habit in emergency situations but for non-emergency situations you can use Engine Braking which is more safe and beneficial for the bike. Engine Braking is shifting the gear down and letting go off the clutch. The initial jerk will ensure the speed drops down to the gear ratio and helps to keep the Clutch Plate and Cables away from harm.

4. Avoid sudden braking and sudden revving

This has become a habit these days. We want our bikes to make more noise and be more noticeable. However, anything in excess is harmful whereas linear throttle acceleration will ensure best mileage.

5. Shifting at the right RPM

The suggested shifting gear RPM is at and around 5000RPM. It is also important to pull the clutch completely for smoother gear shifts and keep the lever smooth. Not pulling the clutch completely results in damage to Clutch Plate and rougher gear shifts.

Also being at the right gear at the right speed is very crucial to be safe and ensure a longer life for the bike. The gear and its recommended speeds are given in the manual and if you cannot find it, here are my recommendations:

1st Gear = 00-10 kmph

2nd Gear = 10-25 kmph

3rd Gear = 25-35 kmph

4th Gear = 35-45 kmph

5th Gear = 45-55 kmph

6th Gear = 55-65 kmph

Some bikes do not have the 6th Gear as for such bikes 5th Gear is referred to as cruising gear. Also these speeds may vary for bikes higher than 200CC.

6. Park at the right spot

Avoid parking the bike under direct sunlight as it may result in petrol evaporation. The temperature in the fuel tank increases which slowly but surely results in conversion of petrol to gaseous form.

Also the paint starts fading easily so parking under a shelter saves you from the above troubles.

7. Switch off ignition

Now many of us think that this does not help but on the bigger picture it does. First of all, if we all resort to switching off ignition on a signal, we can drastically reduce pollution levels and also considerably save the amount of money we spend on fuel.

8. Changing Engine Oil

This is another ignored point when it comes to cost cutting. It is very essential to change the oil and using the recommended oil grade in the user manual. Also do not experiment too much with synthetic and semi-synthetic oils just because... someone has said it.

9. Servicing the Bike

Another important point in bike maintenance is servicing the bike at regular scheduled intervals. It is always better to do it a day or two before schedule rather than waiting for the last moment or going past it. Servicing bike on time is eating food on time. Do we wait?

10. Using recommended fuel grade

Some bikes have a recommended fuel grade. As the fuel quality in our country is horrible try and find the petrol pump that has the before mentioned fuel grade. High octane fuel is usually recommended for higher capacity bikes upwards of 300CC but should not be neglected for daily commuters too. Also try and fill the petrol from the same outlet to maintain consistency. High octane fuel can be harmful if used in low end bikes so please refer the manual before reaching any conclusion.

11. Keep the bike close to stock

Something we all have is this urge to customize the bike to make it more noticeable and fancy. But I would advise you to stay away from too many modifications and keep the bike as close to stock as possible only then it will serve you loyally throughout its life with you. And that's all with me being philosophical. I just hope you found this article useful.

This is Jerome saying chiao! Take care. God Bless and Ride Safe! VRRROOOO MMMM!

The Great Beginning

- Deepesh Lad
Sem. III - A

My name is Deepesh Lad, and this story is all about my experience of the first year of MCA. It was the first day of the college and I knew nobody (literally nobody), all nervous as to what will go down on the first day. But it went really well with certainly making new friends (and of course the commencement of lectures). Then after few days comes the fresher's party, where the day belonged to us (Yes, us)! It was a day to remember as I made more new friends and also our seniors made our day with many great performances.

Then comes the day, where we had gone to the exhibition to see some of the trending technologies, we had seen many of them, but the best thing was participating in quiz and winning the prize and we all had won something or the other prize that day (Best day so far)! After several months, I got the chance to attend workshops held at IIT Bombay, where I got to learn new things! Some months later, I got a chance to volunteer ICAIM 2017 (and trust me before that I had just volunteered once) along with our seniors and my friends, that was the greatest THREE days to remember.

It's been almost 9 months since I had joined the college, made friends, passed my first semester and doing all the other crazy stuffs that I can remember. It was in March 2017 when our group (a team of 6 members) along with 4 other groups had applied for Smart India Hackathon (SIH)! We were not so sure, if we'd get selected, but then a news broke out that from our college, it was just our group that got selected for SIH Finals (oh, that feeling). As days passed by, we came to know that we had to travel to Karnataka (Hubballi) for the competition. 31st March 2017, I never would have imagined I would be in Hubballi, and there I was along with my 5 other friends and 3 Asst. Professors. We didn't win (sadly), but that was the finest 5 days I could ever imagine.

Ups and downs, highs and lows are part of our life and that's how my first year of college went and I hope the second year would be just as great as the first year was. In the end, I'd like to close it down with a quote, "Take a limitation and turn it into an opportunity. Take an opportunity and turn it into an adventure by dreaming BIG!"



In the Dark I saw the Morning Light

- Shreyansh Singh
Sem. V - A

The dews and a strong wind forced me to open my eyes and I recognized myself under a big Neem tree. To have a morning walk, I went nearby a river bank. The birds were singing the glory of the nature. The rivers were teaching the lesson of forming your own way to reach your destination.

After few meters I found MCA College. The students were writing the COA exam for their first internal test. There was no supervisor, but still no one tries to copy or cheat.

Nearby I found an old man asking for a kg of sugar in a store, the shopkeeper weighted it properly without any manipulation in weight.

A man was walking with full of joy, after I asked him the purpose of his happiness, he replied his pension was approved by the government office without any bribe.

The political leaders were concentrating in the development of the village and not on the election.

There was no discrimination based on languages,

states, cultures, religion or caste. There was no one to separate people. People of different cultures live like a family in their own.

There was no reservation because there were education and employment for all.

That was such a beautiful place where women were not given reservation in bus or train but they were given the respect and the prestige of being a mother, a daughter, a sister and a homemaker.

After roaming about 3 hours, I heard a loud sound "Shreyansh, Get up fast, get ready for the college". I realized it was my dream.

When I was in bus for college, it was the real world full of cheaters, corruption, diverse thoughts, reservation but no vacancy, political speech for women prestige but no safety. At last that was my dream and this is reality. Previously our ancestors used to say India is a nation with unity in diversity but now the concept has changed.

Today India is a nation with full of diversity and only diversity. I saw the day in the darkness of night.



- Dhiraj
Sem. III-B

Gratitude: How It Can Change Your Life

- Ms. Kiran K Dubey
Librarian

Gratitude means thankfulness, acknowledgment of everything we receive whether it may be blessings, appreciation, wishes or pleasures. It means learning to live our life as life itself is a miracle, and of being aware of how much is given to us. God is our creator and has given us all the various things in our life including our life itself. Every day we wake up in the morning to live another day due to God grace. This life on Earth is precious. When any person does something for us we feel gratitude. However most of us are not used to expressing gratitude to God for all the things He has given to us. Expressing gratefulness is called gratitude.

“Cultivate the habit of being grateful for every good thing that comes to you, and give thanks continuously that contributed in your advancement”
Said by Ralph Waldo Emerson

One of the most powerful ways to manifest

success, abundance and joy is through Gratitude. The more we are grateful for what is around us, we attract more and more by showing gratitude for what we already have - everything and everyone. We can be grateful for our current situations, friends and loved ones, our jobs, financial situations, health, environment, resources, food we eat and the water we drink. The more sincerely and deeply grateful we are, the more of what we are grateful for will come our way.

“Send gratitude to the world and surprising advantages will return back to you.” –Skip Prichard

Gratitude shifts our focus from what we lack in our life to the abundance which is already present. Behavioral and psychological research has shown amazing life improvements that can stem from practice of gratitude. Giving thanks makes people happier and more flexible, strengthen their relationships, improves health, and reduces stress.

“Stop feeling sorry for yourself,” we are often told but it can be hard to avoid self-pity entirely. Mentally strong people choose to exchange self-pity for gratitude. Whether you choose to write a few sentences in a gratitude journal, or simply take a moment to silently acknowledge all that you have, giving thanks can transform your life.

Here are benefits of Gratitude:

1. **Increases your confidence-** This is one of the top benefits of gratitude. It makes you mentally strong by increasing your confidence. When you have an attitude of



gratitude, you do not waste your time feeling sorry for yourself; you see your life in a positive light and you realize that you have something that make you different from others.

2. **Opens door of relationships-** Not only does saying “thank you” constitute good manners, but showing appreciation can help you win new friends, according to a 2014 study published in *Emotion*. The study found that thanking a new acquaintance makes them more likely to seek an ongoing relationship.
3. **Improve physical health-** Grateful people experience fewer aches and pains also more likely to take care of their health, exercise, attend regular check-ups, which is likely to contribute to further longevity.

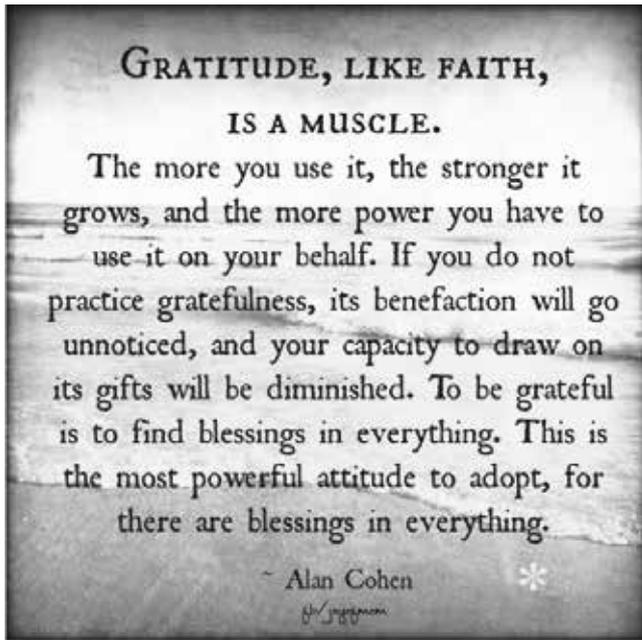
“God gave you a gift of 86,400 seconds today. Have you used one of them to say thank you?”— William Arthur Ward

4. **Improve psychological health-** Gratitude reduces a huge amount of toxic emotions, from envy and resentment to frustration and regret. Researches prove that gratitude and well-being increases happiness and reduces depression.
5. **Enhances empathy and reduces aggression.** Grateful people are more likely to behave in a pro social manner, even when others behave less kindly.
6. **Improve sleep-** gratitude improves sleep just

spend 15 minutes jotting down a few grateful sentiments before bed, and you may sleep better and longer.

7. **Improve self-esteem-** A 2014 study published in the *Journal of Applied Sport Psychology* found that gratitude increased athletes’ self-esteem, an essential component to optimal performance. Other studies have shown that gratitude reduces social comparisons. Rather than becoming resentful toward people who have more money or better jobs—a major factor in reduced self-esteem—grateful people are able to appreciate other people’s accomplishments.
8. **Increases mental strength-** research show gratitude not only reduces stress, but it may also play a major role in overcoming trauma. A 2006 study published in *Behavior Research and Therapy* found that Vietnam War veterans with higher levels of gratitude experienced lower rates of post-traumatic stress disorder.
9. **Helps you cultivate assertiveness-** Gratitude allows you to recognize your own value, empowers you to stand up for yourself and refuse to accept substandard treatment. It helps you develop fairness and kindness, also strengthens your mental strength helping you develop assertiveness.
10. **Helps you forgive and move on from the past-** When you’re thankful, it’s easier for you to look pass your previous mistakes and learn





from them. Gratitude helps heal your past. It helps you forgive the people who have hurt you. It helps you stop dwelling on the past and empowers your focus on your present and future.

11. **Improves your patience-** When you're grateful, you'll find joy in patiently waiting for your dreams to come true. It will make you realize that you cannot achieve success overnight. You have to wait and work hard for it.

"Gratitude is a powerful process for shifting your energy and bringing more of what you want into your life. Be grateful for what you already have and you will attract more good things."
~ Rhonda Byrne

Gratitude is a feeling. Our ultimate aim is practicing gratitude so consciously think, say and feel it throughout our day, every day. I recommend starting our day full of gratitude as we wake up say "Thank you" to the universe. As part of our morning routine, do count our blessings exercise.

Here is how: First, write down 10 things that you are grateful for and why? Than reread each blessings and say "Thank you! Thank you! Thank you" and fully feel the gratitude. When you give thanks, think about why you are grateful. You will feel gratitude more deeply for that person, things, situation...etc. The magic of gratitude happens according to the degree of your feeling. So, feel it, and feel it deeply!

Just before you go to sleep at night, think about all the things and say "Thank you" This process may feel tedious when you first start, but you will start to harvest the benefits of blessing and your attitude of gratitude in no time. You will be surprised to see that you are attracting more things to be grateful into your life. You are able to accomplish your goals as the power of the universe is working for you, and your life that you desire is unfolding before your eyes.

We all have the ability and opportunity to cultivate gratitude. Rather than complain about the things you think you deserve, take a few moments to focus on all that you have. Developing an "attitude of gratitude" is one of the simplest ways to improve your satisfaction with life.

Three simple Steps to Boost Gratitude

1. Close your eyes and picture three people who made a difference in your life. Whether they are alive or not, think about them and how grateful you are that these people made an impact on you.
2. Send a positive, encouraging text to someone right now, thanking that person for something he or she has done for you.
3. Share something you are thankful for to your friends, Family or someone close to your heart.

Finally, gratitude is good for the body, mind and soul

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File Formats

- Nishant Adhikari
Sem. V - B

As a technology user, we came across many technologies in recent past. Some of these technologies have changed the way of whole human kind, used to live. We use these technologies and get used to it but we don't give attention to some basic aspects of such technologies. One such aspect is "file formats" used by such technologies which are sometimes even referred as the "file extension". Some of the most common file format which are widely used will be discussed in this article about file formats.

.apk files



Apk is the short form for "Android package" and this file format is used in installing and distributing the Android applications. It was developed by the google and it stores the information in archived way,

which means whole information is bundled as one then file is compressed. And it can be recompressed when required. Apk bundles the resources like coding for the program, assets, certificates, and manifest files and also some other libraries. Basically it is a complete package with application.

.jar files

Jar is the framework used to group different class of java files and other resources and relevant data (like images, text, etc). Hence their distribution across the java platform has been simplified and became more user friendly. With JRE installed on computers and mobile phones, it can run as an independent program as well as serve as a program library. Jar file has variety of usage they are used by mobile games to store game data and new generation of web browsers use them to store add-ons. Jar files are also a kind of archived file. This format was developed by Sun Microsystems and new versions are developed by Oracle Corporation.



.mp3 files

Mp3 file is a MPEG (Moving Picture Expert Group)-1 or MPEG-2 audio with layer 3 file and it is a



standard audio storage file. Most of the music players and smart phones supports this file format. Mp3 files uses lossy data compression because of which they are smaller in size and portable as well. Mp3 only stores audio and any relevant image associated with the file needs to be stored separately. Mp3 uses algorithm which removes the sound which are not audible to human ears, hence it holds only required information and this help in reducing the size of the file. Mp3 files have bit range like 128 kbit/sec, 160 kbits/sec, 256 kbits/sec and 320 kbits/sec higher bit rate ensures higher sound quality. Credit for development of this file format goes to Fraunhofer Institute and Karlheinz Brandenburg. Fraunhofer institute got patent of mp3 in April 1989.

.accdb



This format belongs to database used by Microsoft access and this format was also developed by the Microsoft. Previously MDB extension was used by Microsoft. Accdb was first used with Microsoft Access 2007 but it is compatible with latest version as well. Data stored in accdb format contains custom forms as well as SQL queries and other kind of data. Here, data is typically organized in fields and tables. New version of this format supports storage of file attachment, supports several values in one field, encryption and better integration with other Microsoft products.

.db

This extension refers to generic database files. Various database programs can create and open such file and they can save it to another format.

In some cases such files are automatically created by the system or application but once they are deleted they are recreated by the system on visiting that same location, like



“thumb.db” in windows. The generic database files stores information in a structured way by creating a table and it can be exported to various database applications. This extension was developed by Microsoft Corporation.

.sql



This file contains code written in Structured Query Language. This code is used to modify the content of other relational databases or tables. SQL files can be used to delete, insert, extract or update data and information. SQL files are written in plain text (ASCII) format. It database operation related statements like update, create, delete. To execute SQL file, it must be opened in a program which supports SQL but it can be edited using simple text editor.

.class

This file is created by the Java compiler and can be executed using JVM (Java Virtual Machine). JRE (Java Runtime Environment) can also execute class files but it cannot compile them. Class files are usually compatible with the JVM using which they were created. Class created in one version of JVM may not run in another version of JVM. Class file contains bytecode in binary form. Through JVM these files and code contained in them can be executed. Usually class are bundled with jar files and can also be compiled separately using “javac” command. Credit for development of this extension goes to Oracle.



.cpp

This type of files contain code written in C++ language. Information in these files is stored in plain text format hence they can be edited using any text editor. However it is advisable to open such files in an editor which supports at least basic syntax highlighting of C++ code. The code contained in the cpp file can function as whole, standalone or even a program. Before executing these files, they must be compiled first.



.dtd



These files are plain text file usually used by the developers. These files give information about the attributes and elements that can be used in code document like XML, HTML. DTD file also contain the information about the order of information. The purpose of such files is to check if code written in one language can be parsed correctly or not. This format is used by almost all websites.

.doc

This is one of most commonly used document file associated with ‘MS Word’ and this format belongs to Microsoft Corporation. It was originally developed as a plain text format but now user can align text, insert hyperlinks, add images and can perform more tasks. Microsoft has chosen doc file extension as their default extension in 1990’s but in recent year they have become less popular because of other alternatives. Doc file use binary coding because of which it is compatible with every version of word processor but all features are not available for some files.



Technology and How it's Turning our Generation Lazy

- Rahul Mishra
Sem. III - A

I remember the time as a kid when we used to go to the restaurants and sometimes had to shout while talking so that person on the end of the table could hear us. People were excited to be in restaurants, to have some fun, spend some time with friends and family. Now the restaurants are a place of a silence, everybody is so busy with their heads buried in their mobile screens that nobody really savors the moment of having a delicious meal with the family anymore. Ironically enough now when I look for the places to relax, I try to find one which provides free wifi along with the other amenities.

Technologies and innovations have been an eccentric part of homo-sapiens, from the development of the first wheel to a motor car, from walking straight to flying out in outer space. Everything has just one plain simple motto to make human life easier and increase our sustainability.

Use and adoption of technologies in medical sciences have proven to be extraordinary in saving of numerous lives and not just that of humans. I



think it will be pointless to talk about the number of fields technologies have helped us survive and grow.

Just as a required radiation (through chemo) can help to cure cancer and a little overdose can be a reason for growing cancer. As you all have heard "Good and evil are two faces of the same coin". According to me evil is good gone over its limit.

We should understand the difference between using the technologies and completely depending on technologies. Today social network is good for the society, it connects people, you can land up a job





using a social network, it makes the world small, but it should not be the reason for you to actually being in a society and stop meeting your friends.

Netflix and torrents have pulled out a large number of youths from actually going to the movies. The concepts of the blind date and actually meeting a girl before seeing her on tinder sound boring and waste of time to our generation. And I won't even get started on play stations and other nonhuman interactive devices which help us to play interactive multiplayer games with other humans without being

together. It won't be wrong if I say that we don't have time to go out and interact or be old school because we are too busy with our gadgets to play with.

The innovations and technology have been and will be in constant up gradation, and only for our betterment. We need technology, but we need not depend on them, the only people who depend on technologies are the people who are surviving on a ventilator or are in coma. You can walk and talk, have fun while you can, call a taxi by old school method rather pulling out your phone and calling a Uber.



कल नया सवेरा आएगा

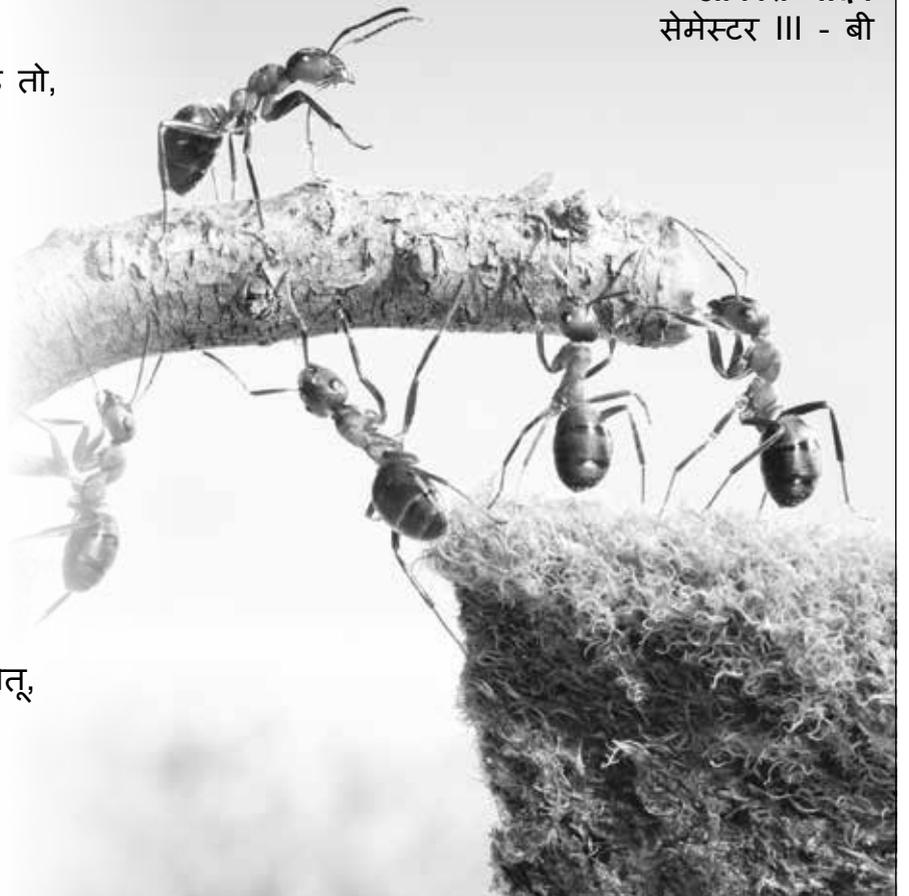
- आकाश यादव
सेमेस्टर III - बी

जो रौने से मिल जाता सब कुछ तो,
मिल जाती असमान से धरती ।
यूं बूंद बूंद के चक्कर मे ये,
धरती बंजर ही ना मरती ॥

जो होसले हो बुलंद तो,
लहरे भी चढ़ाने तोड़ा करती हैं।
वरना यू चुपचाप खड़ी चढ़ाने
तिल तिल मरा करती हैं॥

देख जरा जज्बा चीटियों का
उची दीवार चढ़ा करती हैं।
जो ना हो सफल एक दफा तो
फिर दूजा साहस भरती हैं॥

तो खुद मे खुद को जगा खुद सेतू,
जो चाहे वो मिल जाएगा।
यूं अधि यारो से ना डर यारा,
कल नया सवेरा आएगा॥



Teacher or Guru?

- Ms. Sonu Gupta
Asst. Professor

A very common discussion in every faculty room, whether it be that of school teachers, junior college staff room or that of graduate - post graduate colleges, is how the student community has changed. How the students don't listen any more, reply back, never acknowledge their efforts. They don't ever bother to greet the teacher forget about paying respect. Gone are the days when students touched their teachers' feet and gave them credit for their own accomplishments. We feel the pinch of it all the more because we belong to



the land of Eklavya and Arjun and from childhood have heard sayings like “Guru Govind dono khade kake lagu paay, Balihari Guru aapki Govind diyo milaay.” In ancient times gurus not only imparted academic knowledge but also spiritual and moral.

Isn't thinking like this looking at only one side of the coin? If there is expectation of complete obedience and respect from students, aren't we supposed to devote our entire life to imbibe them with lifelong learning like Dronacharya. Do we do that anymore? Or is it actually required? No more are the students completely dependent on their “Guru” for acquiring knowledge. They have “Google”. In fact chances are while you are teaching, validity of the concepts that you are teaching is being verified by students with just a click ☺. With technology changing every day the students might know much more about certain areas than the teacher. And there is nothing wrong in it.

The equation of student – teacher relationship has changed over so many years. The students when they enter the classroom are already overloaded with information. So does it mean that teachers do not have any role to play now? Have they become redundant? I disagree. What they acquire from various sources is information and not knowledge. Considering the plethora of information available on net nowadays, in certain ways role of teacher has become even more crucial. Internet is full of information from how to download a YouTube video to how to design an IoT application, and is growing further every day. To make sense out of all this is not an easy task. Even if sources of information used by students are credible, a teacher is required to filter, channelize and adapt this information to gain understanding and knowledge. To filter out unnecessary from essential, right from wrong guidance is required. Also videos, blogs etc are great tools to learn something, but then that is what they remain – tools that lack the human touch, a word of appreciation and a rebuke on a wrong action.



Teachers and students need to understand each other's expectations and meet each other halfway. The students should be respectful and willing to learn. Something can be learned from everyone but the prerequisite is to keep your minds open. Their focus has to be on learning rather than just ensuring their attendance in class or clearing examination. Teachers also need to understand and accept that today's millennial generation would not meekly agree to whatever is taught to them, they would argue and rationalize, question and analyze and we need to encourage that attitude rather than curb it.

Technology: Moving Forward or Backward?

- Ms.Mira Gohil
Asst. Professor



In earlier days, when people were not technology oriented, progress was still there at each and every level of life like social, economical, environmental etc. I think people were more satisfied and more cultured without instant communication or social reaction. You can feel peace on the faces of people when you go to village or to your native place. I always feel why we do not have that much peace or satisfaction even when we are having the best era in our hand where all the facility and technological benefits can be availed. I don't think even God Shree Ram got the facility of car. He had to walk from Ayodya to Lanka to get his wife back. Even I thought if they had only SMS or mobile phone facility than this whole RAMAYANA would not had happened because in that case Laxmana would have informed Shree Ram about Ravana or even Sita would have asked Shree Ram that should I cross the line or not.

So in short we are in a very convenient world today. Then what's wrong in today's world? Is it social networking which takes very important place

in our life? We are not bothering what is going on at our dinner table because we are busy with our chatting or seeing friends social status where he has written "Feeling happy drinking cutting chai on Dara's Dabha". We are more content to see our family on social networking site rather than meeting them. I think it is very easy to face the digital world than real. I had an experience recently where my friend went to a helicopter drive in Las Vegas. It was a 10 minutes drive and when he showed me that 10 min video I was surprised that he had not experienced that drive but was busy taking video which he wanted to upload on social media. I am not against about social media but this kind of addiction is wrong.

In the past, when people were not that tech-savvy, they easily woke up in the morning without alarm clock because they had developed that inner consciousness which would run their genetic clock and help the body to wake up on time. They had a kind of sixth sense or telepathy which was I think more powerful than mobile or WhatsApp. If we

could have tested their memory power, it would be far better than today's people because today everything is available on Google. Earlier people used to tell you when "Amavasya (new moon day)", "Purnima (full moon day)" or "Panchang Tithi" would come but we need to check today's date on mobile phone. They were able to memorize 50 phone numbers when mobile phones did not exist but today we don't know our family member's number also. Search engine like Google is a revolution for the society to get information of any domain but this search engine seized our thinking process and we do not even want to think for birthday messages for loving sister/brother. These messages also we are coping from Google. Today Indian government is facing problem about how to manage waste. But in earlier days in villages, one place was fixed for waste dumping and after rains it would be automatically converted into compost which would be used by the villagers for their farm. They were more conscious about environment than us. Today's cultured families are using disposable things in parties and throwing them in the end. The decomposition time for thermocol has still not been discovered by scientists; it is estimated to be more than 1,00,000 year.

In the end, I want to tell you one real story. Shri Ramanujan was a brilliant mathematician from



Tamil Nadu (1887-1920). He had very little formal education. In the last 90 years, nobody understood what his theorem was, but they knew it was something tremendous. Only in 2010 did they find out that this theorem describes various behaviors of black holes. Ninety years ago, no one was talking about black holes, the term did not even exist, but shri Ramanujan made a mathematical expression for it sitting on his deathbed and he said 'my Devi' gave it to me. Or maybe his inner consciousness gave him this knowledge. So isn't the use of technology taking us far from our inner consciousness which is the main force of our life?



Future of Agriculture in India?

- Vipul Sethi
Sem. III - B

To give stagnant agricultural growth a boost, a shift must be made from concentrating on the country's food security to focusing on the farmers' income security.

The stark observation made in the Economic Survey of 2015-16 that "Indian agriculture, is in a way, a victim of its own past success – especially the green revolution", shows the dark reality of the agriculture sector at present and the havoc that has been wreaked by the green revolution.

The green revolution, which is characterised by introduction of high-yielding variety of seeds and fertilisers, undoubtedly increases productivity of land considerably. But growth in productivity has been stagnant in last few years, resulting in a significant decline in the income of the farmers. There have also been negative environmental effects in the form of depleting water table, emission of greenhouse gases, and the contamination of surface and ground water. Needless to say, the agriculture sector is in a state of distress, which is severely affecting peasants and marginal farmers, and urgent policy interventions are required to protect their interests.

Rainbow revolution holds the key

The first major barrier to overcome is declining productivity. Data from 2016 reveals that India's average yield of cereal per hectare is far less than



that of many countries, but the difference is huge when compared to China. For instance, our average yield per hectare is 35% below than that of China and for rice this figure is 51%. Even Bangladesh, Vietnam and Indonesia are fare better than India in case of rice yield. Further, there is a huge inter-regional variation; the wheat and rice yield from Haryana and Punjab is much higher than from the other states.

In order to cross the declining productivity barrier there is a need to herald a rainbow revolution by making a shift from wheat-rice cycle to other cereals and pulses. Since wheat and rice coupled with other crops are backed by minimum support prices (MSP) and input subsidy (whether water, fertiliser or power) regime, there is a huge incentive for the farmers in the irrigated region of Northwest India to grow these crops.

R&D is the future

One of the major barriers to boosting farm productivity is the lack of new technologies and major breakthroughs. While the National Agriculture Research System played a major role in the green revolution, in recent years there hasn't been any major breakthrough in research. One of the main reasons for this is the lack of financial resources.

Further, there is a lack of interest of students in pursuing research in agriculture. As the Economic Survey notes, even in states where agriculture is relatively more important (as measured by their share of agriculture in state GDP), agriculture education is especially weak if measured by the number of students enrolled in agricultural universities. There has also not been any major contribution from the private sector towards research and development. Government should thus woo private players by giving them incentives to play a major role in agricultural research and development.

A Day Without Sleep... What it will be like?

- Dharmesh Aghada
Sem. III - A

Ah! Sleep You can never have enough of it, I guess. In fact, sometimes it literally feels like you aren't getting enough of it even though you doze off for plenty of hours.

But have you ever wondered what it will be like if you stopped sleeping even for a day? Whether you've worked all night, partied too late, jumped on a red-eye, or just couldn't turn off your thoughts, one thing's for sure: The next day is going to be hellish. Ever wonder how long you can go without sleep? Find out what's happening to you physically and mentally as you wrestle to stay awake. Not getting enough sleep impairs your judgment, making it harder to do your job. Pulling an all-nighter is sometimes the only option. Be it for last moment studying for exams, chasing a work deadline or dealing with an ill person, there are some times when you just have to go all night sacrificing your sleep. You just do what you have to at the time but when the day dawns you probably feel spaced out and just want to crawl into bed and the day is a bit of an endurance test. But doing it too often can lead to chronic sleep deprivation and the physical and emotional problems that may go with it, like

a weakened immune system and anxiety. The main effect of sleepless night is expectedly feeling restless and tired, but it affects you in different ways at different stages the next day. The effect of sleep deprivation on the brain is it makes it sleepy and reduces your ability to sustain attention. Feel High at first – A study at Harvard and Berkeley Universities in the US suggests a night without sleep can lead to short-term elation but also may lead to poor judgement and addictive behaviour.

Do you know when will you be at you worst? Your need for sleep may come in waves. "Natural dips in alertness are 3pm and 4am," says Dr Reading. After no sleep, the circadian rhythm helps alertness through the next morning but early afternoon is very difficult. You may also get a second wind at around 10am, but after lunch you'll feel awful.

Research says that when you don't sleep for 24-36 hours, your performance impairment is similar to that of someone with a blood-alcohol level of 0.10 percent. At 36, 48, and 72 hours without sleep, your body and your mind begin operating in altered states that put your health, and your life, at risk. Strangely science does not have all the





answers of the questions like why we sleep or how it evolved in the first place. But it has discovered some correlations and numbers for example, adults who sleep between 6-8 hours at night tend to live longer. Excess of sleep however can lead to medical problems such as Cardiovascular diseases and Diabetes and many more. Similarly, chronic sleep deprivation or lack of sleep also leads to problems like Obesity, Depression, even Brain Damage and so on.

But if you live a day without sleeping, after your first sleepless night, your brain slowly begins to shut off the regions and closing your body system leading to more impulsive behaviour. Once you ride in exhaustion state, you will find yourself with slower reaction time and inactive. After a day or two of no sleep the body loses its ability to properly function and the immune system also stops working as well. In some cases, three days of no sleep has led to hallucinations (a state in which you see, hear, feel, or smell something that does not exist). People who care a lot about how they look should never try this deadly task

because studies have shown a direct correlation between sleep deprivation and a person's beauty, that means sleep deprived individuals appear less healthy and less attractive than when they were well rested.

How long can you go without sleep? Randy Gardner holds the record for the longest a person has ever voluntarily gone without sleep, staying awake for 264 hours (about 11 days) when he was 17 for a school science fair project in 1965.

Fun to know fact is that the longest scientific documented case of being awake was 264 hours or complete 11 days, Yes, I am too traumatized indeed! Do you want to know what happened to them during this tossing and turning journey? Well, they did develop problems with concentration, perception and readability. But the surprising truth was that none of them suffered no serious prolonged health effects. In fact, no individuals under these documented horrifying conditions experience medical, physiological, neurological or psychiatric problems. But just to let you all know so that you don't try this at your home there were limited studies and it does not mean permanent damage couldn't be inflicted with more time. So, it's my personal advice do not even think of shutting your eyes for more than 96 hours continuously even if someone offers you an Oscar or World's Richest Man wealth. Because sleep deprivation experiments on poor rats have led to death after about two weeks. But scientists aren't totally sure about the cause of the innocent pets was it due to the lack of the sleep or from the stress of constantly being woken up.

Perhaps we should look at Fatal Familial Insomnia, a rare genetic disease of the brain which causes steadily worsening insomnia or sleeplessness leading to hallucinations, dementia and sadly ultimately death(RIP).

Over time the lack of sleep becomes worse and the body's organs begin to shut down. So, well, lack of sleep won't necessarily kill you quickly, continuous sleepless nights will have a negative effect on your body.

यही मेरी मंज़िल, यही मेरा कारवाँ

- ज़मील खान, सेमेस्टर V - ए

हम चल दिए जहाँ,
ना कोई ज़मीन ना आसमाँ

उस जहान में हमारी,
ना कोई दास्ताँ

वक़्त ठहर सा गया है,
सामने है यादोंका जहाँ

यही मेरी मंज़िल, यही मेरा कारवाँ
यही मेरी मंज़िल, यही मेरा कारवाँ

महरूम खड़ा हूँ मोड़ पर,
कोई गुज़रे तो साथ ले चल

दुश्मन कई हैं मेरे यहाँ,
कोई मुझे अपना बनाकर ले चल

यही मेरी मंज़िल, यही मेरा कारवाँ
यही मेरी मंज़िल, यही मेरा कारवाँ

आँखे भी ये थक सी गई,
कुछ भी नज़र ना आए अब

क़दमों में भी ताक़त नहीं,
एक क़दम चल भी ना पाए अब

यही मेरी मंज़िल, यही मेरा कारवाँ
यही मेरी मंज़िल, यही मेरा कारवाँ



Friendship...A Promise

- Rency Rodrigues
Sem. III - B

Friendship is a priceless gift in our life
Because it can never be bought or sold...
You can buy a gift for your friend,
But not a friendship..
Friendship is a promise of trust,
And keeping that promise is must..
Don't ever take friendship for granted,
Hold that friendship with love and care and never let it go,
Because the day when you realize that you have lost a diamond
It will be too late to find and get it back...
It is easy to lose a friend ,
But difficult to find them...
The beautiful movements you have
Spend with your friends together,
Will always last as a memory forever..
Always remember....
In dreams, love and friendship
There are no impossibilities ,
Its up to you how you make out of it...



एक खत मिला (कारगिल का शहीद)

- मत्स्येंद्र मिश्रा
सेमेस्टर V - ए

एक खत मिला, दुखों से भरा मिला
जो था अपने माँ का लाल
उसका कपड़ा देख के लाल,
उस माँ का दिल दहल उठा
एक खत मिला, दुखों से भरा मिला।

जो था अपने पिता के आँखों का तारा,
जो बनता उसके बुढ़ापे का सहारा
क्या पता था उस बेबस बाप को,
यह तारा टूट जाएगा, उसका अस्तित्व मिट्टी में मिल जाएगा
एक खत मिला, दुखों से भरा मिला।

दुख मुझे होता है, जब सरकारी अफसर उस माँ - बाप को बोलता है
क्यों दे तुम्हें पेट्रोल पंप, क्या है तुनहरे पास सबूत?
कि तुम ही उसका माँ बाप और वो है तुम्हारा पूत
एक खत मिला, दुखों से भरा मिला।

हे निर्दयी! क्या शर्म तुझे नहीं आता है?
भगवान का डर भी तुझे नहीं सताता है?
भगवान न करे कि तेरे साथ भी ऐसा हो,
पुत्र वियोग में तू भी रो
मेरी एक ही विनती है, मत कर असहाय

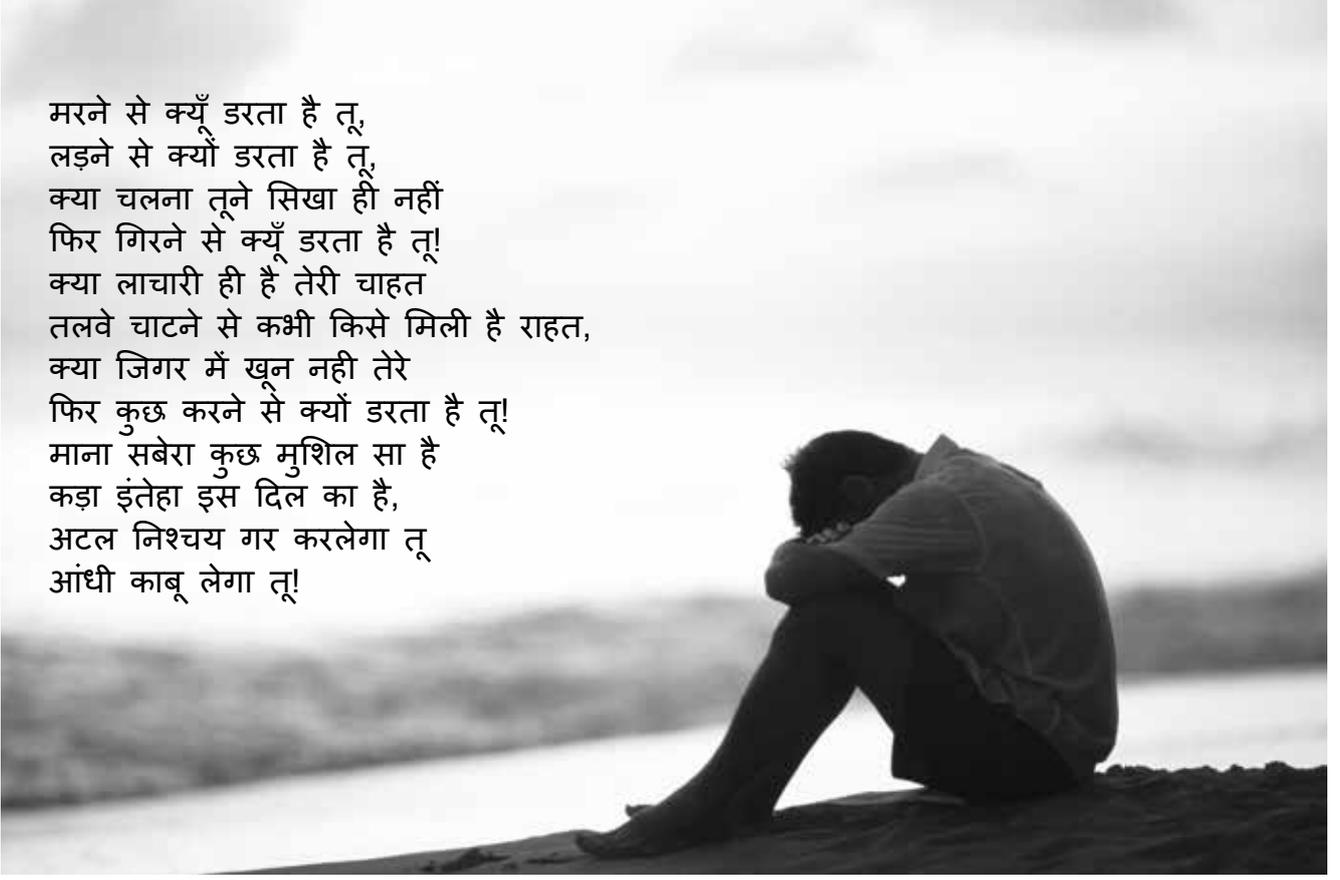
माँ - बाप की दुर्दशा,
यही है ऐसे भ्रष्ट समाज में असहाय माँ-बाप की व्यथा
एक खत मिला, दुखों से भरा मिला



मरने से क्यों डरता है तू!

- सुदर्शन सिरसाट
सहा. प्रोफेसर

मरने से क्यों डरता है तू,
लड़ने से क्यों डरता है तू,
क्या चलना तूने सिखा ही नहीं
फिर गिरने से क्यों डरता है तू!
क्या लाचारी ही है तेरी चाहत
तलवे चाटने से कभी किसे मिली है राहत,
क्या जिगर में खून नहीं तेरे
फिर कुछ करने से क्यों डरता है तू!
माना सबेरा कुछ मुशिल सा है
कड़ा इंतेहा इस दिल का है,
अटल निश्चय गर करलेगा तू
आंधी काबू लेगा तू!



- Prajakta
Sem. III - A



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