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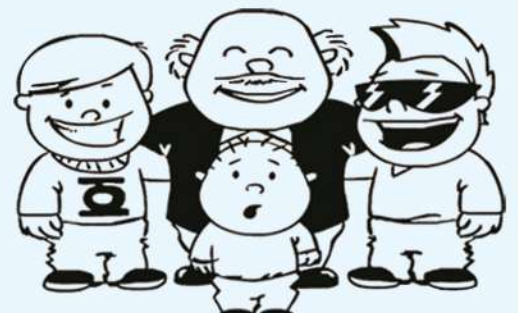
ABHISHAR

Volume 9.0



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A Lost Art
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"Friends, Fun and Dreams"



TEAM PATRON

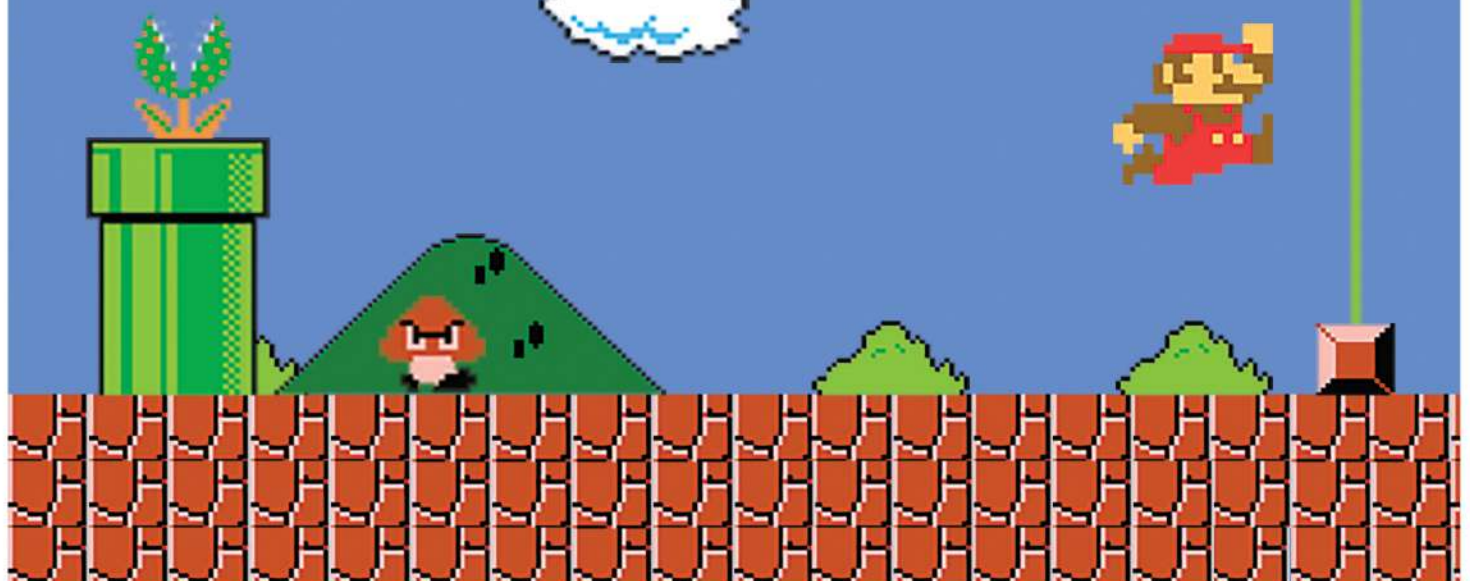
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- 02 MR. R. P. DWIVEDI, REGISTRAR, ABV-IIITM

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Editor Writes^{v9.0}

MUSINGS OF A 90'S KID

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We've all been there. A familiar smell, conjures up a childhood summer on the terrace of nani's house under the blanket of stars. A cool breeze reminisces us of the sweaty afternoons spent in front of coolers with our mouths wide open trying to gather all the wind in our tiny mouth. A game of Pubg makes us realize the ecstasy of Nokia's snake game. A pen makes you trip back to the classrooms where pen fight was the ultimate Olympics. An accidental channel switch to the cartoon network channel makes you realize Beyblade and Dragon Ball Z are real love. A random swipe in the phone's gallery brings back the memories of the albums you made with your mother carefully placing the photographs between those plastic sheets.

An indispensable part of the student community, Abhishar has become a platform for the voice of every adult who has a kid hidden somewhere in their hearts. And thus, through this ninth version of Abhishar we celebrate the golden "Era of the 90s kids" and remember just how awesome we 90s kids are. Remembering the ideals and memories of our dearest friends- Lt. Abhinav Saxena and Lt. Tushar Sharma, every page of this magazine is crafted with utmost dedication inspired from the fire of their service and love.

Abhishar couldn't have been this huge without the commendable readership we are blessed with. We have tried our best in giving you these 60 pages filled with knowledge, nostalgia, fun, awareness and guidance. Do reach out to us with feedbacks and suggestions! Happy Reading!

-Juhi Tiwari (A 90's Kid)

It seems like you're feeling a bit nostalgic. Would you like some assistance today?

Yes



Director's Note

It comes as a delightful tenor that "Abhishar" is releasing its 9th volume. Year after year, Volume-by-volume, it acts as the stage to hone the creativity of students. The ever-evolving technologies, the campus life, and society, in general, attest to be in the perennial-interest of students. The tremendous efforts put in by the students' team adds to the amelioration of social outreach. This annual magazine, "Abhishar," provides a medium for the pioneering spirits of students' community of IIITM, Gwalior.

Prof. Rajendra Sahu
Director, ABV-IIITM

Registrar's Note

It gives me immense pleasure to acknowledge that Abhishar, with its 9th volume, has successfully accomplished its objective. The reflection of the students' creativity and achievements is the epitome of Abhishar. Students have put forth their ideas and thoughts that are too deep to be expressed and too strong to be suppressed. This magazine is before you due to the combined efforts of the Abhigyan Abhikaushalam Students' Forum. I take the opportunity to thank all the contributors as their contribution is the reason that makes this magazine endearing with our readers.

Mr. R. P. Dwivedi
Registrar, ABV-IIITM



FACULTY SPEAKS



I'm extremely elated for the release of Abhishar v9.0 and extend my heartiest wishes to the team for making this magazine a huge success. With articles ranging from technology to social issues, Abhishar is a perfect platform for writers to express their thoughts. The articles and poems are immensely appealing and truly captivate the readers.

Prof. Joydip Dhar
Professor, ABV-IIITM

It is my sincere pleasure to note the 9th edition of Abhishar, the annual magazine of exemplary writing by students of our institute. The articles featured in this magazine cover a broad spectrum of domains that arrest the attention of any reader. I congratulate all the contributors and the entire editing team for this edition of the magazine, which is seen progressing year on year with quality content and broadening the reader base. My best wishes to the team and contributors.

Dr. K. K. Pattanaik
Associate Professor, ABV-IIITM



Abhishar has been one of the most awaited reads for me, and I'm really excited about the bundle of knowledge and wisdom it has to offer. I'm sure that the new edition of Abhishar will definitely occupy an important place in my personal library as it did last year, owing to the impressive and praise-worthy write-ups. The contribution from all the writers is truly appreciable and the effort put in for the success of this magazine is commendable.

Dr. Anuraj Singh
Assistant Professor, ABV-IIITM



Congratulations to the team Abhishar for releasing the 9th edition. Over the years, the content and coverage of Abhishar is well appreciated. I truly relish the hard work, commitment and enthusiasm of the students' team. The students' perspective and their success stories covered in this edition are remarkable.

Dr. Arun Kumar
Assistant Professor, ABV-IIITM



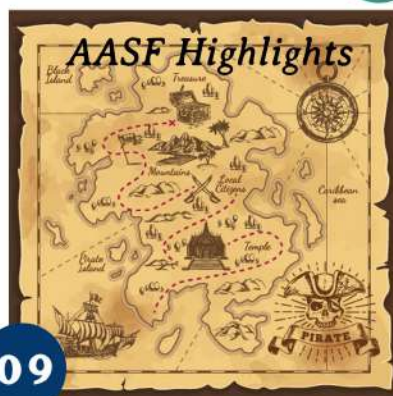
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Theme Page

About AASF and Events

Being in an ever changing world with technology galloping at a pace never seen before in history, the forum is laboriously engaged in organizing a variety of formal and informal events every year, which guide the students to adapt better in techno-managerial world. Activities are based on the concept of peer to peer learning.



Technical events

Linux and Hardware:

Sessions/Workshops helping students understand the basics of computer science and IT.

Programming Languages:

Constitutional knowledge of the essential programming languages including C, C++ and Python.

Web Designing week:

Aquaintance to basic and advanced web development techniques such as HTML, CSS, PHP, SQL and JAVASCRIPT.

Graphic Designing:

Knowledge of inducing pleasing effects to images using the functional tools.

AASF-ICPC,Codehub and Junior PC's:

Frequent Programming contests conducted in the format of ACM-ICPC to provide a perfect platform to practice.

Intro To Open Source and Git:

An introductory session on open source development followed by basic knowledge on version control and git commands.

Hackathon:

24 hr cross platform hackathon.



Literary & Oratory events

Jest A Minute:

A fun buzz event in which participants have to speak without hesitation, deviation and repetition and are challenged by their opponents.

Group Discussion:

An event involving a lot of group dynamics to enhance the students' literal charms and issue analysis skills.

Debate:

An event consisting of keeping a topic at centre of consideration and discussing pros and cons.

Shipwreck:

A fun oratory event where contestants defend real life/fictional characters as to how some are better than the others.



Managerial events

Case Study hQ:

Managerial concepts to handle stories which present realistic complex and contextually rich situations that often involve dilemma and conflicts.

Case Study Contest:

Aimed at improvising the ability of analysing, exploring, innovating and thus rendering applicable solution to a point at issue.

Quizzes:

Quizzing events like Bit Quiz and Sports Quiz to help students remain updated to the recent advancements in the fields of business, IT and sports.

Brand Aid Contest:

Event to provide an opportunity to blend creativity with originality and endorsing a product by elaborating its attributes and influencing the folks.







Name: IRITA MISHRA
Batch: IP6-2013

Disclaimer: This article is not meant to hurt the sentiments of any person or thing, no matter how politically incorrect or immoral I may sound. These are my opinions, and are not representative of what others might feel about this topic.

Each time I write an article for Abhishar, I think about witty opening lines and I almost abandon my desire to submit an article because of that. What I do not realize is that I am not funny. No matter how hard I try, people will always look at me the way Kanye West looks at everything, when I really want them looking at me the way Kim Jong Un looks at fish. Well, with that fresh dose of memes you will google while you read this, let us begin with what I really came here to talk about.

For those of you who do not know, I am pursuing PhD in Logistics and Supply Chain Management from the US. This is my second year into PhD and it is tough as hell, but I am not here to talk about that. I am here to talk about the United States of America, the self-proclaimed super power of the world. Just like any other Indian, I had this big dream to someday visit New York, California, Florida and other such famous states of the US. (I say states now but at one point, I

thought they were cities, because I mean, why would we study US geography in Indian schools?)

Well, my dream did get fulfill! I came here in August 2018, thinking that this would be the best time of my life. As you are reading this, you are feeling that this article is about to go south from here. I feel it too. But that is not what this is. Maybe you will never know what the purpose of this article is. Or maybe, just maybe, I will pull through in the end, like every Hallmark/Disney/Bollywood romantic movie you've ever watched. Except the ones where the hero dies and you cry. Make your Kanye faces because I just made another attempt at sounding witty and failed.

So! I was enchanted by the way people do things here. Random people on the road would say "Hey! How are you doing?" and expect me to answer. Or even worse, expect me to ask them the same question back. If you didn't have time to stop and chat with these strangers, you had to atleast smile and nod to acknowledge their presence on the side of the road you stupidly chose to walk on. This would give me performance anxiety. I

always had questions like: Was I supposed to sound extra cheery? Or was I supposed to hug them? Is my smile weird? Now imagine if you were to try doing that in India. You would either be stalked and later abducted by a creep or reported to/beaten up by the self-proclaimed morality police. Try to do that in your neighbourhood and watch that one nosy Aunty (whose window is always open) gossip about it to others and ruin your name forever.

Let us move on to the next fascinating aspect about US: the police. They are so helpful, kind and caring. I bet you didn't expect that! Try reporting a crime in India and watch yourself still do all the investigative work because the police will just not take you seriously. Case in point: I lost my wallet with Rs. 4000 and all my ID/ATM cards right outside Big Bazaar in DD Mall in 2015. I went to the nearest police station to complain. All they made me do was write an application that my wallet was lost which they promptly signed and stamped. Then they asked me to take it to the bank and the college authorities, and ask them to issue me new



cards/ID. They also hinted that I might have been careless and that this was all my fault. In the end, I had to go to the mall security and watch the footage on my own, so that I could catch the culprit myself and get my money back.

On the other hand here in the US, if I dial 911 or go to the police station or even stop their car on the road by waving at them, they will treat me like a princess (except if I am stupid enough to get caught committing a crime). If I am stranded on the road, they will drive me home. If I tell them that someone suspicious is following me, they will send out an alert to all phones to look out for someone that matches my description, and then follow my car till I get home. If I report anything stolen, they will again send out an alert about theft and urge other people to be careful as they investigate the crime. I might be speaking from limited perspective but my point is that even if they cannot solve all my problems, atleast they care.

Let us talk about bikers next. In India, if you see a horde of motorbikes on the road and it is not a planned event, you automatically assume that it is a gang and you go back inside your house. You think that they might be dangerous and steal your gold chains or abduct you. And that is true, mostly. Bikers in the US, on the other hand, are teddy bears. Normal people join bike

gangs so that they can wear leather, travel across the country and enjoy themselves. I saw the owners of a bakery, a couple, join a biking gang that was going on a month-long cross-country trip. So the male bikers are softies at heart and the female bikers are badass (in the cool sense)!

I will sum up a few things that I like about the US before I get to my point. Now you're wondering what 'the point' is and why this crazy lady hasn't come to it yet. People don't overtake others on the road, even if someone is riding a motorcycle. Motorcycles get the same respect and space as a car. If you do need to speed up, you have to change lanes and use indicators to express your plans beforehand. No one honks unless it is seriously a life-and-death situation on the road.

All houses have central heating and air conditioning systems (HVAC). So you don't need heaters, coolers or ACs separately. Sounds awesome, right? All houses are made of wood which is why HVAC systems are so efficient here. You can control the room temperature with a thermostat on the wall. I know that we have them in labs and classrooms in IITM but imagine if we had them in the hostels. My five years would have been more blissful, for sure.

Okay, let me get to the point

now. If you think that I am overly appreciative of the US and I am what you call a desh-drohi (traitor to the country), read on. Despite everything that US has to offer, I still miss my country.

I miss that Indians are so hardworking and spend so much time studying to get into the best colleges of the country. Americans, on the other hand, believe in art of laziness which they call 'expressing themselves'. For them, science and math cannot help live life. And they end up waiting tables, becoming cashiers in stores or doing odd jobs to earn a living. They make the hardworking and modestly earning people pay huge taxes that go to them in the form of unemployed wage. They live life each day at a time, which frankly is not the way Indians do things. We slog hard and code like crazy to get good jobs. And then we save, so that we can go on vacations around the country and the world.

I miss home-cooked food which is spicier and colorful than what I eat here. For people here, salt and pepper are the major spices that go into every meal. I wonder what would happen if they tried our dhaniya-haldi-lal mirch combination. They call our Indian tea "chai tea latte" which basically would translate to "tea tea coffee" in India. Stupid, right? They



REWINDING...



think Tikka Masala and Vindaloo are the best Indian dishes they could ever eat. I mean, do you think these would be your top options if you go out to eat dinner in India?

I miss my parents who wouldn't kick me out and ask me fend for myself as soon as I turn 18. I can still go home and stay there if I have no job. I wouldn't be a burden to my family. Here in the US, it is exactly the opposite. Parents don't want their kids to stay in their house after they finish school. They also do not offer to pay for their kid's college education even if they have the money.

I miss that I can go out of my house into the neighbourhood and find people to talk to, on a deeper level (I obviously mean people I know). Americans do ask about your day and smile at you but you cannot have deep and serious conversations with them. Since so few of them make it to college or have strong ties with family, they just don't share our perspective. One of my Indian friends studying in the US told me recently that she missed home terribly and tried to talk about it to her American friends in college. They all just

nodded and told her to quit the program if she was so distraught. She was astounded because that is not how Indians treat their friends. We delve into the problem and cross all boundaries of privacy to help our friends.

The biggest issue I have with the US is the concept of tipping. Since so many Americans do not complete their graduation, they resort to waiting tables and serving food. Then they expect us to tip them for bringing food from the chef's kitchen to our table in a restaurant. They expect at least 20% of your bill as tip. It is an expected norm, the way saying "Namaste Aunty" to every Aunty in the neighbourhood is. Or more like the way showering is. If you don't shower, you smell and then you repel people. So, if you don't tip, servers/waiters won't come to you as if you smell.

I can keep ranting about it but you get the gist, right? Just because the grass looks greener from the other side doesn't mean that it actually is. If you like living systematically and by the rules, and you do not

like interacting with people, US is the best place to live. But if you are warm-hearted and hard-working, you might as well stay closer to your family and enjoy the simple pleasures in life, like Pani Puri, Manchurian and Chicken Tandoori with freshly made Garlic Naan.

For the students thinking about studying in the US, know that the laws are stricter now, and there is a chance US will get struck by recession soon. Jobs will be hard to find and even then, you can only get a work permit for a maximum of 6 years. Getting a green card is tougher still. Also, you won't get maids for cheap to clean your house, wash your utensils and clothes or cook your food. Life is tougher, it just looks organized from afar.

Also, Modi is way better than Trump. What better reason do you need to stay in our beautiful country, India! Now, do you get the point of this article? 🇮🇳

Irita Mishra (IPG-2013) is currently pursuing PhD and is great orator and writer.

" If future generations are to remember us more with gratitude than sorrow, we must achieve more than just the miracles of technology. We must also leave them a glimpse of the world as it was created, not just as it looked when we get through with it. "

-Lyndon B. Johnson





Name: **RAMAN PRABHAKAR**
 Batch: **IPG-2015**

AN ISSUE THAT NEEDS TO BE DISCUSSED

A journey that started 4 years ago, is on its most pleasant trail right now. It's the final trail, where the finishing line is now distinguishable amid the vastness of the thick fog that we got into. As I look back from where I am right now, I keep thinking, what would be the thing that I would take away from here as a prized asset? What is that thing that would give me the utmost happiness about college? Happiness is our ultimate destination. What do we not do to make ourselves happy? We work hard for success, we love someone, we make friends, we seek approval throughout our lives and all these things we keep doing continuously, for what, if not for our own happiness? Our brain has a feedback system that gets activated whenever it is exposed to some stimuli. That, in the end is responsible to release hormones in the body which we render as either happiness, sadness, anger, etc. That is the natural way of life. But what if that

feedback system gets corrupted? This is a very serious issue and the biggest culprit come out to be chronic stress. And there needs to be awareness about how to manage it. Because when it gets worse, it can drastically paralyse our sense of devouring beautiful things. A large dosage of stress leads to depression and anxiety issues, which in short paralyzes one's life. And the worst thing, people won't either get you or you will be too ashamed to tell them. No matter how bad the situation is, we owe it to ourselves to keep us healthy, mentally and physically so that we can live our lives to the fullest. I know because I have struggled to manage my emotions throughout most of my college years and I have seen some people going through the same. For worse or better, untended ones go into a state of mind where there is no compassion for other, the mind.

always sees the negative in people and a lot of other issues, the details of which would be too long to discuss here. Just know that they are bad, very bad. Coming back to where I started, when I look back, this is the realisation that I will take away from college the most. The importance of how the inner talks inside us can lead to a drastic change. Whenever such situations arise, we need to look into ourselves, meditate a lot, be hydrated, take proper 6-8 hours sleep and most importantly, exercise. It is the single most important thing that one can do in his/her life. You can achieve all the great things in life but you won't be able to taste any unless you are in a healthy state of mind. And just so if you didn't know, help is always around the corner. There are a lot of good people in this world. You just need to reach out. 🙏

“ The best investment you can make is an investment in yourself. The more you learn, the more you'll earn. ”
 -Warren Buffett





Name: **GUNA SHEKAR**
Batch: **BCS-2018**

BLOCKCHAIN AND BITCOIN ARE NOT THE SAME THING. I just had to scream that out loud for the millionth time to clear some myths.

Let me start off by giving a brief introduction to what blockchain is. To put it in simple words, a blockchain is a distributed, decentralized, immutable record of transactions. The transactions are pooled into a block and many blocks are chained together using cryptography, hence the term, "Blockchain".

For a very long time, the Blockchain technology was only used for trading cryptocurrencies, Bitcoin being one of the most popular ones. But is that all we can do with this so called "world-changing" technology? Can we extend its application beyond the financial use cases? Vitalik Buterin answered "yes" to this and proposed the Ethereum Blockchain in 2013, which eventually went live on 30th July, 2015 and this made the whole world brainstorm on ideas and use cases of the Blockchain technology one could barely imagine hitherto. From supply chain management to maintenance of any form of records to creating a voting system to entirely modifying the way the Internet works, this technology can

indeed be used to "change the world".

So how can we possibly manage an entire supply chain on Blockchain? Smart Contracts give us a solution. Smart Contracts are exactly what they sound like, they are really intelligent dealers. Think of a situation where you and your friend are placing a bet over a cricket match. You being a true patriot, decide to bet an amount of Rs. 100 on India winning the game, and your friend being a desh drohi decides to bet the same amount on the opposition winning the game. Now let's think of the consequences. First, you win the bet, but your friend does not pay you the amount or takes a very long time to do so. Second, suppose you knew your friend's nature and decided to involve a third person who would collect both of your bets before the start of the game, and return the whole amount to the winner after the game is over. But what if the third person is not to be found after the game is over? Next, why can't I just code the logic to collect this amount from both users before the game and transfer the total amount to the winner after the game

and have this up on a central server? What if the maintainer of the central server turns out to be fraudulent? What if the rules of the bet are changed after the deal was made?

Now think of a code which is deployed on the blockchain, and everyone on the blockchain (the peers) can see how this is working, and everyone knows that this code cannot be changed and this code will definitely do what it is programmed to do and nothing else. This is what a Smart Contract is. This piece of code is capable of storing your money which you bet before the game, and return the whole amount to the winner right after the result is known. And since the blockchain is immutable, none of the code can be changed and the rules remain what they were before. Your transaction too is completely safe, owing to digital signatures and encryptions which allows the Smart Contract to verify the users and their authenticity.

Still not clear what it is? Let me take you through how a voting system can be developed using a Smart Contract.

You can decide a strict time



REWINDING...



interval for candidates to register, removing the concept of late registrations and corruption in this case; another time interval for voters to lodge their votes; and a specific time at which the results will be declared, everything automated. Registered voters can simply login and cast their vote and that transaction will soon become a part of a block in the blockchain, making it unchangeable in any way. This system will make the whole voting system completely transparent, without any form of corruption, maintaining strict deadlines, automating the entire process.

Now, how do we code it? Blockchain Smart Contracts are usually written in an Object-Oriented Programming Language-Solidity, though other languages like Golang could also be used. So how does a typical Solidity code look like?

```
pragma solidity ^0.4.22;
//The version
contract Foo {
    uint variable1;
    string variable 2;
    constructor() public {
        variable1 = 5;
    }
    function bar() public {
        variable1 = 10;
    }
}
```

Looks simple, doesn't it? It totally is. This is a sample contract to change a variable's value. Similarly, functions can be written to perform all of the operations in our use case.

"Modifiers" can be written to perform checks on the operations being performed, "events" can be emitted to signify completion of an operation. These events can be subscribed to on the front end and every time an event is fired on the contract, the front

end will listen to them and update accordingly.

These were just two of the very simple applications of Smart Contracts and how we can leverage their ability to think of real world processes in a way we never did before. But this is not it. With the rise of the Ethereum Blockchain and other competitors and as they strive to grow and become better, the world will soon be exposed to a plethora of Decentralized Applications on the Blockchain Technology. Smart Contracts being the powerful and transparent dealers they are, will be used in several industries to automate and decentralize supply chains and many other operations. And who knows, maybe one day which is not very far away, this technology will indeed, "change the world" 🌍

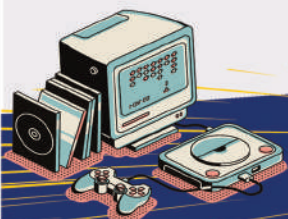
Did You Know?

\$400 million was the size of the blockchain market in 2017, while it is currently over \$500 million, it is expected to grow to \$20 billion in the year 2024.

In 2018, \$2.1 billion was spent on blockchain solutions.

Blockchain skills were ranked number one in fastest-growing skills in demand in Q1 of 2018.

REWINDING...





Name: DEEPANKAR
SINGH
Batch: IPG-2016

Quite a long time ago, there was a rich and liberal king. One day, the king was very happy as one of his subjects had developed a game that had turned into his new most loved leisure activity. The game was known as chess. The inventor was approached to show up before the king. The liberal king requested that the creator name his reward - anything he wanted. The inventor's answer stunned the king. "I am a straightforward man of few needs. Give me one grain of rice for the first square of the chessboard, two for the second, four for the third, etc. Each square having twofold the quantity of rice than the past square. This is all I ask of thee, O liberal king." It annoyed the king. Here he was, asking this inventor to approach him for anything he wanted and all he was asking for was a few grains of rice. The king quieted down. He requested his minister, "Give this man what he needs and let us be done with his solicitation." Several weeks passed. Still no indication of the minister. He was asked to show up before the king right away. "Clarify your absence", said the disturbed king. "We are as yet attempting to gain the number of rice to fill the chessboard, Your majesty. We have sent individuals far and wide to gather rice

yet despite everything we haven't had the option to secure enough rice." The minister ought not have even bothered. The necessary measure of rice has not been created throughout the entire existence of humanity till then. For the mathematically inclined, the quantity of grains of rice required to fill the chess board is 18,446,744,073,709,551,615.

Around eighteen and a half million trillion rice grains, if each is a quarter inch long will stretch to the sun and back 391,320 times. That was nothing more than one grain's compounding at 100 percent per square of chessboard for 64 squares. Such is the power of compound interest. We all know about it. We have solved multiple numericals on it during our school days. Yet, we fail to acknowledge the power that compounding holds in everyone's life.

Evolution has customized our minds to think linearly, which is incredible since this is actually what has helped us endure and flourish as a species. However, the drawback is, this very same linear thinking comes in our way of truly understanding and valuing the in-

tensity of compound interest. An understanding of the powers of compound interest is the one thing that is essential not only to create wealth, but also to change our entire perspective and attitude towards life. Compound interest has mostly been associated with wealth and hence we fail to understand its impact on our lives. The principle of compounding can really help us to change our fundamental understanding of this world and life. As an engineer, we are often faced with rejections and failures either at college or at workplace. There are multiple days when we think of changing our career or travelling to the past to change our decision of opting for engineering. We never realise that the small efforts we put everyday towards our work when compounded over a period of time will accumulate to one huge effort in determining our final success. Without realising the power of compounding, we feel dejected everyday, planning to either quit or change our work. The very idea of compounding works over three main components-

1. Early start - Compounding effect works over a

REWINDING...



period of time. The longer you give to a work, the better are your chances of achieving success. If you're planning to start something new tomorrow, the best time to start it is now. The earlier you start, the better the results get.

2. Stay disciplined - Make regular efforts towards your final goal and do what you can to increase your efforts as time goes

on. Don't be tempted to get the results quickly.

3. Be patient - Compounding works only when you let your efforts grow. At first, the results may seem small but as time passes, they will grow more significant. Don't be tempted to sacrifice your end goal for a fewer gains today.

There's an urban legend that Albert Einstein once said,

“Compound interest is the eighth wonder of the world.

He who understands it, earns it ... he who doesn't ... pays it.”

The legend of the chess board and a grain of rice may or may not be true. But the power of compounding certainly is true.

It happened before our very eyes and is happening even as you read this article. 🙌



**FIRST
YEAR
WRITES**

Shashwat Agrawal
IMT-2019

Stay On The Track



We need to Stay,
We need to Rapidify..
There is only one way to achieve
the sky.

It is compulsory that
Hard you need to work,
And more you ought to give jerk.

Monotonous with the preparation
Stagnant in the flow,
Are the reasons behind your re-
stricted glow.

Each profession needs determina-
tion and perseverance
And you know it, why?
Whether you want to be Doctor,
Engineer or a Spy.

The job is as tough as to walk on
the rope,
Destination is fade out away.
But let us not loose the hope

And remember the long distance
travelled by sun's ray.

Thus, we need to Stay
We need to Rapidify..

REWINDING...



AASF HIGHLIGHTS

2015 Android hIQ, Website Launched	2016 Hackathon	2017 RJIT and MITS chapters, Website relaunch with student profiles, Python-Git hIQ, Game Dev. hIQ	2018 Onsite Hackathon, Developers' Circle, Coding Group, Winter Projects	FINISH
2014 Composition De'l Image, Robotics Workshop, Hardware Workshop re-introduced		2013 AASF-ICPC	2012 Abhishar Vol-1 launched, online programming contest for first years	2011 Googly : Sports Quiz, Aakriti
2008 Logo of AASF, Overnight Software Contest		2009 "Pragyanki" Magazine of AASF		2010 German Language Session, Android, Flash, JAM
2007 AASF conceptualized "coalescence of knowledge and skills"		2006 Renamed as IITM's Students' Forum		2005 Hardware Workshop
START	2003 Inauguration of IETE Students' Forum			2004 Paper Presentation Contest, 'Abhigyanam' renamed as 'Abhigyan'

02

This is as light as a feather, yet no man can hold for long. What is this ?

03

77, 143, 221, 323, 437, _____ ?

01

Re-arrange the letters, O O U S W T D N E J R, to spell just one word. What is it ?

P
U
Z
Z
L
E

— O —
— N —

04

Can you guess the next letter in the series? "CYGTNLIT"

06

How can you add eight 6s together so that the total adds up to 750 ?

05

When you need me you throw me, when you are done with me you bring me back. What am I ?



FIVE YEARS OF BEING ON THE STAGE,

THEN WALKING OFF TO WRITE A NEW PAGE



Name: JAYANT MUNDHRA

Batch: IPG-2014

Many of my near and dear ones from college have heard this tale of mine umpteen number of times. But, I just love it so much. It's probably one of the best takeaways from my five year-long college life. So, here goes this nincompoop with his tale, one more time! Sept 1 2014. I was up in front of my 125 odd engineering batch-mates, asked by our Language and Communications faculty, Dr. Alam to deliver a speech on any random topic of my choice for two minutes at the least. Outcome? I sucked up big time. Sure, I spoke for entire two minutes of duration. But nevertheless, I was not good. I was really bad. I wasn't confident at all and in the end, was shivering and also sweating like a marathon runner does at the end of an hour long run. My shirt was literally that wet, especially around my lower back and underarms. The only good thing about that moment was that there was no odour. Phew! So, why did that happen? I had no idea then. But, I knew one thing for sure. I wasn't comfortable with public speaking. It surely made a lot go haywire inside me. And this mystery had to be resolved by no one else, but yours truly. So, what did I do to turn the situation around? I did just what I was afraid of. I

began participation and practice. I began participating in a host of group discussions (GD), debates, extempores, panel discussions and speech competitions. Any activity which would make me go in front of a number of people and talk, I would do it. No second thoughts. My principle was straightforward and simple. Just effing do it! It didn't matter if I made a fool of myself in front of people. All that mattered was that I did it with confidence. That confidence was the ace I needed up my sleeves. And, it was something to be earned. I had the clarity in my head which decreed that, the day I would have accumulated that deal of aplomb in my guts, I would have won over my vulnerability as far as public speaking is concerned. The goal was not to become a great speaker after all. It was just to go out there and not feel anxious or afraid about doing something that my mind and body would have otherwise preferred not to do. Outcome? In the five years of college life to this day, I won numerous panel discussions, group discussions, debates, case study presentations, a business plan contest, several

extempore events and also a host of presentation contests. I don't know what the reader would make out of that, but I believe that those are quite decent figures. Nothing to boast, though. If I won those many, rest assured that I must have participated in at least thrice as many number of events and competitions to become worthy of winning them. And, you know what? I won most of those competitions in the last two years and not in the initial two years of college. In fact, my performances in the successive events have seen immense improvements over their very preceding ones. Why? Because of this divine concept called compounding. Just as money compounds exponentially if invested deftly, so does confidence one holds. I didn't know that until I myself experienced it. I competed with and learnt from the best of speakers of the college. Shubham Shukla, Arvind Rachuri, Irita Mishra, Ashish Krishna, Haritha Nair and so many more. Also, faculties like Naval Bajpai Ji and Anurag Shrivastava Ji. As a student I may not have learnt much from their lectures. But, as a listener, I have

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ABHISHAR V9.0 | IIITM STREET

learnt a ginormous lot from them, and all other names I mentioned above.

Outcome? I was no more afraid or apprehensive about whether people would approve of my thoughts. I no more gave a hoot whether the audiences around would be congenial with my acts and ideas or not. What people would think or say about what I say, I was no longer affected by that. And this was such an important and unparalleled boon! I would no longer feel antagonized when I would have to compete against a host of good speakers because I had grown confident that I myself was no longer a bad speaker at the least. Also because I would be aware of the reality that if I would stay focused at the event and what others spoke, that would be enough for me to do better than I did the previous time. All because I had grown used to that pattern now. The game of gaming the stage. The craft of thinking on the stage with people gnawing at your face. The art of maintaining eye contact with audiences seated everywhere around. The more I participated, the more I learnt, and the better I performed in every successive event. In a nutshell, my confidence and performance level keep compounding.

Outcome? Today, I know that even if someone dictates my name out of the blue and gives me a random topic to talk about in front of a hundred-odd strang

ers, well, I will surely work something out on the spot. That's what practice does to you. It breeds an unknown champion inside of you. Champion. Mark that word. Every time I was going out and competing in some competition that involved public speaking, I was basically doing something that I was not comfortable doing. And, by doing that same thing which I was uncomfortable doing, and doing it again and again and again relentlessly, it was a natural turnout for me to begin to feel comfortable going up on stage and speaking. Outcome? I started to experiment and level up further. I started exploring. Exploring what else I could do. I started trying to discover what other possibilities this newly accumulated confidence could open up for me. Let me explain. When my juniors Deepankar and Daksh reached out and asked if I would like to host TEDx ABVIITMG that they were organizing in August of 2018, I said yes. I knew that I didn't have the experience to host an event. I had never been a host after all. However, that is what excited me to say yes! I was confident enough to go up the stage and make a fool out of myself for a 3-hour long event. I was not afraid of what people would think of me in case I didn't do well. Outcome? I did it. And, I did it

quite well. Later on, when I got to know that an open mic was about to happen in my college in association with Nojoto, I didn't take a minute to make my mind that I was going to participate. I had three options. I could do poetry, storytelling or stand-up comedy. I knew that given my past experience, it would have been in my best interest to do a poetry act or storytelling. Had I been sane, I would have done that. But, I didn't. I said, eff to those things. And then I went on to do stand-up comedy act which turned out to be quite a success. People laughed, clapped, hooted and hollered in my support. They cheered for me. Even though my act was nothing unimaginably good for a comic. But for a first timer, I had made myself happy-enough. Plus, I walked away with an all new set of experience that day. Bingo!

Before that day I never knew that I could make people laugh every few seconds. Now, I know that with some efforts, I can. Also, I could never have even thought that I could don a stand-up comedy act in the first place. Now, I know that at times, I can dare say yes to that. Okay no. That's an exaggeration. I am not good enough to say that. But you see? I am confident about it as well, even if I am not good enough. I know that even if I



REWINDING...



am not good, I can surely work something out if I were to be pushed under the spotlight. That's the thing I am talking about. When you get out of your comfort zone, it's only then that you learn that comfort zone is nothing but a scam that your mind is playing on you. If you heed to your mind, it's going to keep you where you are. But if you choose to defy it, the possibilities are seamless. Think about it. From being a person who once sweated like a sloth in a heat chamber after just 2 minutes of speaking, to hosting a 3 and a half hour long TEDx event and pulling off a decent stand-up comedy act and also winning sleuth of debates, GDs and other events as aforementioned, my growth has been phenomenal! Atleast for me that's a pretty amazing journey when I look

back in the hindsight. For some time that might be mundane. But given where I stood years ago, I know for certain that I have grown a lot, and have the potential for a lot more. Back then on 1st Sept 2014, shivering after my first such public speaking experience, could I have even thought that someday I would have such things to write about in an article like this one? Hell no! But today, I know. All because I defied my mind. And, that is the point I wanted to highlight in this article. Why? Because only I know how handsomely this confidence and love for public speaking has helped me in numerous aspects, be it about going on to become an author, or cracking my interview, or about so many other good

things that I have been accrued to in my life so far, since I walked out of college on 17th May 2019, to play the bigger game of life. To the junior folks from college, including the plenty of those who don't really like me (I have been a nut case many a times, I know), don't always keep yourself arrested to the comfy seats made for the audiences. Do dare to go up that stage and sweat and shiver at least once, if you have never done it before. Come out of the scam that your mind is playing on you. And, possibilities will be seamless.

With much love, this nincompoop signs off. Phew! 🙌

Jayant Mundhra (IPG-2014) is currently working as Data Analyst at The Smart Cube.



RK Rohilla
MTech-2018

नायक



चल कर देख ज़रा उस पथ पर,
जो पथ तुझे पुकार रहा।
तू बन नायक उस कहानी का,
जो खुदा तेरे लिए रच रहा ॥
जो सपने हैं तेरे बाल्यकाल के,
उन सपनों को तू क्यूँ है भुला रहा।
जो आयी हैं बाघाएं तू क्यूँ उनसे है डर
रहा ॥
जिन मुश्किलों से तू डर रहा,
वो मुश्किलें तो आएंगी।
उन मुश्किलों को चीरकर ही तो तू महान
बन पायेगा ॥
अगर जीना हैं डरकर तुझे,
तो सपने देखने का कोई हक नहीं, सपने
ही तो साँसें हैं सपने ही तो जीवन हैं,

इन सपनों को ही भुला दिया
तो श्वास भी ना ले पायेगा ॥
माना जो लक्ष्य है तेरा,
उसे पाना आसां नहीं,
अगर भयभीत रहा यूहीं जीवन भर,
तो एक कदम भी नहीं बढ़ा पायेगा ॥
चल, कर प्रण कभी ना डरने का,
चल, कर प्रण पीछे ना हटने का,
ये प्रण ही तो तेरी नौका है,
जो लक्ष्य तक तुझे पहुँचायेगी ॥
ये जंग है तेरी खुद की,
शत्रु भी खुद का तू ही तो है।
चल उठ, हो खड़ा, बन नायक उस
कहानी का,
जो खुदा तेरे लिए रच रहा ॥

REWINDING...



ABHISHAR V9.0 | IIITM STREET





Name: **SIYA BANODHA**
 Batch: **IMT-2019**

FIRST
YEAR
WRITES

SETTLING WITH PAST

14

Have you ever looked at the settling leaves, raving through the storm, madly covering the streets and finally falling into a silent heap with others like them, quiet like peace? Have you ever looked at the settling ocean water, raging high and low into tremendous waves and then finally laying smoothly across the river bed like a dream, mixing with the warmth of sand? The sudden abruptness sprawling the end to end of this world, like the autumn of the season and later cradled by soft hands of wind.

Have you ever had moments, where all you can think of is how you suddenly, out of nowhere, just like that, learned to let things be as they are; settling for what you've got in life and not mourning over what's lost in yesterdays? Looking at the past with bare naked eyes, holding it close somewhere packed in an encase of old sepia ruptured photograph box, but still not letting its edges hurt you more.

Smelling the memories of each broken toy you tried to mend as a child but failed; each falling kite you tried to catch chasing its sight through the narrow streets but lost it in the blue skies. Each broken relationship you held tightly, putting efforts to pull it all back together but

failed. All those struggles, and pain you've gone through and all the courage you held stitched in your veins till the very end, at last brought you where you are today; and then something struck softly at your head as an end trail of thunder, rough days slipped by from your sight and at last it always felt like those harsh days weren't so bad, for when they held your hands tight into their palm, hurting you bad and quashing your expectations, at the same time they also taught you to be the braver you, they held your fingers, making you the stronger you; they looked you into your eyes and along with giving you tears, they gave you strength, capability of bearing everything, even worse that falls ahead. Those bad days you curse made you the one you are right now; the one who gets hit by tornadoes and still stands again, wiser and fearless, stronger and fierce.

Broken seems too small a word at times; no one is left untouched by its pieces. Each one of us have tales to cry over, still there are faces smiling when we look around ourselves. What's more gorgeous than that?

Learning to smile more, learning to giggle. Not because you have to, but because you want to, cracking open your wounds instead of covering them up under the shades of shame and regret, learning to let go. To wear confidence over your lips, doesn't mean your pain is less or you are without scars, it just means you have become someone fierce enough to let it not bother you; to live with the memories of it stacked at some corner of your head but not letting it slip in every aspect of you; because whenever you'll sit alone in a room listening to the sound of pages flipping with the wind and the tick-tock of the wall clock, you'll realise that somewhere, somehow you have evolved with that past. You've changed. You'll know that the present you isn't tangible to those lost days, for living, for smiles on the lips of your family and friends holds so much more than getting affected by something not worth anything or damaging yourself. For now with each sunrise; with the new start, you've learnt to settle with your past. Settle with your past. 🍂

REWINDING...





Name: TANESHQA
SINGH
Batch: BCS-2019

A question that's being passed on for generations. A question that your family, your friends or that aunty who only calls when she wants to brag about her son must have asked. A question that seniors will ask you at least once. And if no one has let me ask you:

Please elaborate on how a piece of land, a non-living entity makes you feel.

In other words, Campus kaisa laga?

From my intensive research before coming here (which by the way was a two minute scroll through the search results for ABV-IIITM) I knew that this place was large and lush green. After coming here I understood that large and lush green were synonyms for tiresome and insect infested. Apart from that I never really thought anything more of this piece of land.

It wasn't until the first time I left this place that I found an answer to this.

(Side note: this is my first time living in a hostel so please let me have this rant).

Everything had changed when

I went to my parents' place for the first time after joining college. The hot water and the non-mess food aka homemade food aka maa ke haath ka khana, all these things seemed like gifts from the heavens or Universe in case you don't believe in the existence of heaven.

It almost felt like the brief time I spent on campus made me feel grateful for all the things I had in my life. But it also made me feel grateful for all the things going to be in my life: the people I feel so lucky to call my friends, their rooms in which I spend more time than I do in my own room, the rush from the extreme sport of reaching a 9:00 a.m. class when you leave your room at 9:01 a.m. I missed it all. Not the classes but the campus.

After getting back it appeared as if the college got more interesting overnight. For example, in the next few days I noticed a tree that didn't seem to be there before, my hostel-

tree that didn't seem to be there before, my hostel-mate's unexpected hidden talent and a cute bunch of peachicks following their maa crossing the road. Every tiny thing began to fascinate me. And it still continues to do so.

Truthfully speaking, this place may not be the one I expected or dreamed of. But that doesn't mean I'm not grateful for being here. Because I truly am. And you should be too.

I know that by the time my time in this institute is up, all these little things will end up being normal, if not very annoying. But I also know that one day these very things will come back to haunt me (this article definitely will). So until then, I shall continue to be amused and amazed.

So the next time someone asks you, "Campus kaisa laga?" tell them that you like it a lot. Or you know, just write a cheesy article about it. 🍌

Hostellers

"Divided by region, religion, language and age
United by home made food"

REWINDING...



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CHRONICLES OF INDIA

2018

2019

Triple Talaq

Supreme Court declared instant triple talaq unconstitutional in 2017 and the bill seeks to make it a criminal offence.

Article 377

6th Sept, 2019 - In a unanimous verdict, the court ruled that homosexuality is no longer a crime in India.

'CotE' Award

6 of the world's most outstanding environmental changemakers recognised with the Champions of the Earth award, including our PM Narendra Modi for his leadership of the International Solar Alliance and pledge to eliminate single use plastic in India by 2022.

Hima Das

Hima Das from Assam clinched her fifth gold medal since July 2, 2018 when she ran her first competitive race in Europe.

Balakot Air-Strike

Indian Air Force jets crossed the Line of Control & destroyed a major terrorist camp in Balakot sector of Khyber Pakhtunkhwa province in Pakistan at 3:30 AM of 26th February, 2019.

Train-18

Made-in-India, estimated cost of the engine-less "Vande Bharat Express", or Train 18 is Rs 100 crore. The first trial occurred on October 29, 2019. Running speed reached 180 kmph during the trials, but it is restricted to 130 kmph officially.

Article 370

Article 370 accords special status to Jammu & Kashmir, allowing the state to have its own constitution, flag and rights over internal administration. Government ended speculation by revoking this special status in August 2019.

Chandrayan-2

Launched from the Satish Dhawan Space Centre at Sriharikota, it is the most complex & prestigious mission undertaken by ISRO.

It carried a 'billion dreams' in a giant leap for the country's ambitious low-cost space programme, for which they were congratulated by NASA and the Karnataka Assembly.



वर्तमान युग नए-नए आविष्कार और टेक्नोलॉजी का है। हम स्वयं को इस सुविधापूर्ण माहौल में हर नज़रिये से संपन्न मानते हैं। हम सोचते हैं की टेक्नोलॉजी ने हमारे भविष्य को सुरक्षित किया है। पर क्या ये सब वास्तविकता है? क्या आधुनिक युग में हमारा लोकतंत्र सुरक्षित है? क्या तकनीकी ने हमें आज़ादी दी है? क्या हमारी निजता सुरक्षित है? वर्तमान तथ्यों की समीक्षा की जाये तो ये ज्ञात होता है कि तकनीक ने हमारे लोकतंत्र को कमजोर बनाया है। ये कहना गलत नहीं होगा कि लोकतंत्र नागरिकों के आसरे नहीं बल्कि तकनीक के आसरे है।

जनता तकनीकी के कब्जे में है और तकनीकी सत्ता के कब्जे में। आज की उन्नत तकनीक के ज़रिये हमारी सरकारों ने हर नागरिक को किसी न किसी ज़रिये से खुद से जोड़ रखा है ताकि हमारी सम्पूर्ण निजी जानकारी उसके पास हो।

इससे स्पष्ट होता है की जब तकनीक पर नियंत्रण सत्ता का हो तो आपकी स्वतंत्रता भी सत्ता के नियंत्रण में ही होगी। आज जिस स्मार्टफोन के ज़रिये हम स्वयं को स्मार्ट समझते हैं वही हमको बड़ी ताकतों के समक्ष बौना बना देगा। 'आधार कार्ड' के पास हमारी सारी जानकारी है और आधार का डाटा लीक नहीं होगा इसकी 100 फीसदी गारन्टी कौन देगा ?

गाँधी जी ने कहा था लोकतंत्र की कल्पना बिना आंदोलन के नहीं की जा सकती। आज तो इस तकनीकी ने आंदोलन और धरना प्रदर्शन को भी खतरे में डाल दिया है। कुछ वर्तमान घटनाएं बताती हैं कि आने वाला समय हमारे लोकतंत्र हेतु चुनौतियां लाएगा। इन घटनाओं ने दर्शाया है की लाखों की संख्या वाले किसी हुजूम के लिए भी बड़ी ताकतों से लड़ना कितना मुश्किल हो

सकते हैं। आज बड़ी ताकतें या सरकार चाहे तो हमको नेटवर्क से ही काट सकती हैं फिर भला हम सोशल मीडिया पर भी अपनी अभिव्यक्ति को कैसे व्यक्त कर पाएंगे। हांगकांग का आंदोलन ठीक इसी तरह की कहानी कहता है। ये बताता है कि वर्तमान समय में लोकतंत्र को बचाने की लड़ाई कितनी मुश्किल होने वाली है। हांगकांग आंदोलन के प्रदर्शनकारियों ने अपनी आंदोलन की नीतियों से विश्व को चौंकाया और दिखाया कि भविष्य का आंदोलन कैसा होगा। लोकतंत्र में यकीन करने वाले हर विद्यार्थी को इस आंदोलन का अध्ययन करना चाहिए। ये अभिलेख टेक्नोलॉजी के खिलाफ नहीं है पर आज के युग में टेक्नोलॉजी को फिर से परिभाषित करने एवं इसकी सीमा निर्धारित करने की ज़रूरत पर है। टेक्नोलॉजी के बहुत से खतरे हैं पर सबसे बड़ा खतरा तो यह है कि जिस तकनीक के आसरे लोगों की जिंदगी सिमट रही है उस पर कब्ज़ा सत्ता का हो गया है। सवाल उस तकनीकी घुसपैठ का है जो आपकी जिंदगी में सुविधा तो ला रही है पर उस लोकतंत्र की परिभाषा को बदल रही है जिसके आसरे आप ये सोचा करते थे, कि जो हम सोचते हैं वो सत्ता की जानकारी में नहीं है।

टेक्नोलॉजी जनतंत्र को पुष्ट करने वाली बने या इसे नष्ट करने वाली, इस पर विचार करना होगा। टेक्नोलॉजी हमारे जीवन में इस कदर घुस गयी है कि इससे निजात पाना मुश्किल ही है पर ये हमको विचारना होगा की हम लोकतंत्र को चुनते हैं या टेक्नोलॉजी को

हांगकांग का आंदोलन इसका प्रसिद्ध उदाहरण है। आज हमारी सरकारों के पास नियंत्रण की सटीक तकनीकी आ गयी पर हम आज भी हिन्दू मुसलमान में उलझे हुए हैं। तकनीकी के इस युग मे आंदोलन की उम्र छोटी हुई है। लोकतंत्र की बत्ती आज इंटरनेट और सोशल मीडिया पर टिकी हुई है, स्विच ऑफ हुआ की आप कट ऑफ हो सकते हैं। आप चाहें हजारों की तादाद में हो या लाखों की तादाद में, उस दौर में आप शून्य हैं जहाँ हजारों मीडिया चैनल होते हुए भी आपके मुद्दों को हाईलाइट नहीं किया जाता। आज आर्टिफिसियल इंटेलि-जेंस ने सब कुछ कितना मुश्किल बना दिया है। जिस स्मार्टफोन को हाथ में लेकर हम खुद को स्मार्ट समझ रहे हैं वही हमको लोकतंत्र की विरोधी ताकतों के सामने मुख्र साबित कर देगा। जी हाँ, स्मार्टफोन के ज़रिये सरकार या बड़ी ताकतें हमारे निजी जीवन में दखल नहीं देंगी इसकी जिम्मेदारी कोई नहीं लेता। सरकार सोशल मीडिया हब बनाकर हमारी निजी जानकारी को ट्रैक करना चाहती है।

सी.बी.सी. के आंकड़ों के मुताबिक हमारी सरकारों के पास लगभग 1 अरब लोगों की इतनी निजी जानकारी जमा है कि लाखों की भीड़ में से किसी एक की पहचान मात्र उसकी फोटो से की जा सकती है।

ऐसे दौर में भी हम सोचते हैं कि टेक्नोलॉजी हमारे लिए लाभप्रद है। पर वास्तव में इसने न केवल हमारी पृथ्वी बल्कि हमारे लोकतांत्रिक अधिकारों को भी दूषित किया है। ऐसे दौर में तो हम अभिव्यक्ति की आज़ादी की कोरी कल्पना ही कर

सकते हैं। आज बड़ी ताकतें या सरकार चाहे तो हमको नेटवर्क से ही काट सकती हैं फिर भला हम सोशल मीडिया पर भी अपनी अभिव्यक्ति को कैसे व्यक्त कर पाएंगे। हांगकांग का आंदोलन ठीक इसी तरह की कहानी कहता है।

ये बताता है कि वर्तमान समय में लोकतंत्र को बचाने की लड़ाई कितनी मुश्किल होने वाली है। हांगकांग आंदोलन के प्रदर्शनकारियों ने अपनी आंदोलन की नीतियों से विश्व को चौंकाया और दिखाया कि भविष्य का आंदोलन कैसा होगा। लोकतंत्र में यकीन करने वाले हर विद्यार्थी को इस आंदोलन का अध्ययन करना चाहिए।

ये अभिलेख टेक्नोलॉजी के खिलाफ नहीं है पर आज के युग में टेक्नोलॉजी को फिर से परिभाषित करने एवं इसकी सीमा निर्धारित करने की ज़रूरत पर है। टेक्नोलॉजी के बहुत से खतरे हैं पर सबसे बड़ा खतरा तो यह है कि जिस तकनीक के आसरे लोगों की जिंदगी सिमट रही है उस पर कब्ज़ा सत्ता का हो गया है। सवाल उस तकनीकी घुसपैठ का है जो आपकी जिंदगी में सुविधा तो ला रही है पर उस लोकतंत्र की परिभाषा को बदल रही है जिसके आसरे आप ये सोचा करते थे, कि जो हम सोचते हैं वो सत्ता की जानकारी में नहीं है।

टेक्नोलॉजी जनतंत्र को पुष्ट करने वाली बने या इसे नष्ट करने वाली, इस पर विचार करना होगा। टेक्नोलॉजी हमारे जीवन में इस कदर घुस गयी है कि इससे निजात पाना मुश्किल ही है पर ये हमको विचारना होगा की हम लोकतंत्र को चुनते हैं या टेक्नोलॉजी को



REWINDING...





Name: **SHAAN MAHATO**
 Batch: **IPG-2015**

WHY I HAVE STARTED INVESTING EARLY

All of you must have heard one proverb which our parents love to use “paise jhaar pe nahin ugate” (money doesn’t grow on trees). But this is a half-truth, I believe it can be grown on trees but for that, you have to choose right kind of seed and properly take care of that tree till it does not get matured. Seeds reflect here a business idea or continuous investment. Most of the people think that for starting a business or an investment, one needs a huge corpus of money, time and knowledge and it can’t be done while studying in a college or being at a job.

But this is not the truth, in fact, these are just excuses and obstacles which stop one to reach his/her goals to be a rich. Instead, to start a business you just need a proper mind set and willingness to take action.

So, I will be explaining here, what were the factors that motivated me to start investing early with a little corpus that was available to me in the stock market and I hope after reading this article, some of you may start investing early in your life.

Risk Appetite Is High: All of you must have heard a proverb “More risk, More return”. An investor’s age influences the amount of risk he or she can withstand.

Young people, with years of earning ahead of them, can afford to take on more risks in their investment activities. While individuals reaching retirement years may gravitate towards low-risk or risk-free investments, such as bonds and certificates of deposit (CDs). Young adults can build more aggressive portfolios that are subject to more volatility and stand to produce larger gains.

Get The Opportunity to Buy Cheaper Asset: Warren Buffett once said that as an investor, it is wise to be “Fearful when others are greedy and greedy when others are fearful.” This statement is somewhat of a contrarian view on stock markets and relates directly to the price of an asset: when others are greedy, prices typically boil over, and one should be cautious lest they overpay for an asset that subsequently leads to anemic returns. When others are fearful, it may present a good value buying opportunity. Keep in mind, the price is what you pay, and value is what you get – pay too high a price and returns are decimated.

When there is uncertainty in the market then most of the

people who are older and having less risk-taking ability sell amid fear of losses to occur in future. Whereas an investor who is very young and having high risk-taking could buy that stock at cheaper price and can hold for the long time horizon to get benefited.

Earning with Learning/ Doing: Young investors have the flexibility and time to study investing and learn from both successes and failures. Some experts say learning finance or investing is very complex because it consists of complex jargon of finance, results of that one finds to be unattractive and fed up with it.

But I experienced opposite when I started investing in the stock market. When you invest in the market then not only you invest money but you also invest emotion attached with that. Money and you start giving your best to understand the financial jargon that may affect your investment. This motivates you to learn quick complex jargon of finance.

Rule of 72: The Rule of 72 is a straightforward calculation used by many in the finance industry to estimate how long it will take your money to double, based on

REWINDING...



the rate of return you earn on it. To use it, simply divide 72 by the rate of return you expect to earn on your investment. The result is an estimate of the number of years until that money will be twice the size of when you started with it.

To get the maximum benefit of the rule of 72, an investor needs to invest for longer time horizon which is only possible by starting investment early.

Compound interest really makes a difference: “My wealth has come from a combination of living in America, some lucky genes, and compound interest” – Warren Buffett. Compounding interest has been called the eighth wonder of the world by Albert Einstein. To take the most advantage of compounding interest, an investor should invest for the long-time horizon as much as possible.

Take an example for better understanding, twenty-two-year-old Shaan invests \$2,000 annually over 10 years in "Index fund", with an average growth of 10 per cent. When he retires, at the age of 62, his investment would have grown to \$556,197.

On the other hand, consider Panshul, age 31, who invests \$2,000 annually over 30 years into "Index fund". At age 62, Panshul who has invested three times as much as Shaan will have \$328,988 in his retirement account. In this example, Shaan,

who began investing early and gave his money time to earn compound interest has \$225,000 more than Panshul to spend during his retirement.

Your spending habits will improve: Investing early allows you to develop disciplined spending habits by focusing on your budget and cutting expenses when needed. The goal here is to earn money by saving money. This is impossible with poor spending habits and a life full of impulse buying. Through early investment, the lessons learned will pay off in the long run, especially, when you have even more capital to work with and restraint is needed. You may work as a venture capitalist or start your own venture later on with your earned money.

Tech Savvy: The younger generation is a tech-savvy one, able to study, research and apply online investing tools and techniques. Online trading platforms provide countless opportunities for both fundamental and technical analysis, as do chat rooms and financial and educational web sites. Technology, including online opportunities, social media and apps, can all contribute to a young investor's knowledge base, experience, confidence and expertise.

Let Money Work for You: To

be a rich just by doing a job and earning an active income is nearly impossible so there are mainly two ways to be rich by investing or starting your own venture. Investing gives an opportunity to generate passive income. You invest in stock of an organization and other people work for the organization to grow its asset, it means indirectly working for you to grow your money. Active income is directly proportional to how many hours you work, and in case because of any unfortunate condition, you will not be able to work, the income will be affected but that is not in the case of passive income. Investing can make you rich, but for that, you have to start early, as Warren Buffett, at an age of 11 who became the world's richest person once. Buffett stands at the fourth position now with \$85 billion following Jeff Bezos, Bill Gates and Bernard Arnault. Once Buffett said “I wish, I would have started investing earlier despite of starting at an age of 11”. Even many Indian investors have done wonderfully in the stock market and some of them are still doing, like Rakesh Jhunjhunwala, Dolly Khanna, Porinju Veliyath, Raamdeo Agarwal and Harshad Mehta etc., and after reading this, I hope you will too. 🙏

REWINDING...





Name: **SHUBHAM SHUKLA**
 Batch: **IPG-2014**

SOFTWARE DEVELOPMENT : A LOST ART

There was a time when there were no prints, only the portraits made by some geniuses with mere strokes of their fragile paintbrush. The time went on, and in came digital media accelerating both the speed and quality of prints not to forget the decreasing prices. Crumbling under the plethora of digital prints, hand-made portraits went rare. But to date, the best of the hand made portraits are still PRICELESS because they have the thing which digital prints lack, CREATIVITY.

The saga of software development is not much different. Once an art of carefully placing your blocks of code and precisely drawing the relationship between them, it has now become a digital print with well-defined pixels and coloring rules governed by tools and frameworks which are flooding the scenario day by day.

The majority of the artists (Software Developers/students) are not even aware of what works under the hoods of their frameworks, they just follow the rule book (docs). Modern software development is not driven by design patterns, algorithms, code structure, etc. The most important decision in today's software development process is choosing the right tool. I might sound like I am against the usage of

any tools or frameworks. But I am not, they indeed make the life of a developer easy. My only concern is people using them without knowing what actually is working behind the scenes. Trust me when I say, I know people who know NodeJS without realizing that it is just a JavaScript Runtime. I have seen people claiming to be masters of Django without knowing the basics of REST or HTTP.

Often Confused Tech Terms:

Terms like language, framework, libraries, load balancer, API gateway, etc have very weak and feeble boundaries. Not only newbies but also developers with experience tend to use them interchangeably. This article is an attempt to mark a solid demarcation among them and make their definition crystal clear.

Framework: I will start with an example here, suppose you want to cook a spicy curry for lunch. You have all the raw ingredients in your kitchen. You mix them in a specific proportion (with great precision) to get a perfect blend of spice. It is to be noted the precision decides how good the curry was. Now imagine doing

this every day. Imagine a cook in some restaurant who is expected to cook his famous spicy curry every day, and with almost similar taste. Getting all the raw spices, taking them in exactly the same proportion is both tedious and prone to errors. As a solution comes a packet of garam masala which in itself is a mixture of all the spices in the right proportion. The life of a cook is much easier now, he just has to take the garam masala packet and stop worrying about all the individual separate spices.

The raw spices here map to a programming language and the garam masala packet is the framework.

A framework is a collection of programs that do something useful and which you can use to develop your own applications. A framework guides you on how to do something (like a predefined way of doing things). It's kind of the skeleton of an application that you take advantage of to build your own stuff.

So a framework defines some rules, you follow those rules and try to develop your own applications. A framework also hides from you the obvious repetitive jobs



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which you have to do while creating any application.

Python is a programming language. In order to write rest services in Python, any application has to follow certain tasks like defining and opening a connection on a specific port, allocating threads to the request received on that port, checking the HTTP method used in the incoming request, mapping the request to specific handler, initiating and maintaining connection with database and many others.

Django is a framework which does all these tasks automatically for you, it has some rules, like where to define the port you want to use, where to define the database you want to use, but once done, it takes care of all these tasks itself and scaffolds a minimal project structure for you, leaving you with the implementation of logic of your application.

Library: A library is a set of reusable codes previously written by someone else which you can use without having to rewrite it again. A beautiful example here can be of the time library. You don't have to every time write the logic of getting the timestamp and manually do all the maths to convert into proper format (DD MM YYYY or YYYY MM DD). What you have to do is import the library and use the function to achieve what you want. A difference between library and framework is, the framework calls your code,

while you call the library. You map the incoming requests on your server to the handler functions, and the framework calls it when that certain request is received. You call the library from handler functions to reuse some specific logic.

Server: A server is anything that can serve the requests coming from the client. Let us visit a travel agent, he is a server who takes your requests, delegates them to responsible agencies and comes back to you with a response.

In the tech world, a server is a machine with a program running that expects requests via a certain port, in a predefined format and serves back the response.

So a hardware machine running software written using a framework, which in turn utilizes some libraries, to accept requests and give responses is a server.

Load Balancer: Let us go back to the travel agent example given in the Server section. Suppose an agent is getting a lot of requests from different people which finally results in decreasing the effectiveness of responses. The travel company comes up with the idea of recruiting 4 more travel agents to serve the growing number of requests. But now a problem arises - which request is to be delegated to which agent.

Here comes in the load balancer, a request comes to him, he finds the agent in the best possible state to serve the request and delegate the request to it, making the whole flow simple. In the tech domain, a company often keeps multiple servers to serve the requests and hide them behind a load balancer which maps the requests to the server in the best possible state to answer the request.

API Gateway: An API gateway is a common entry point to various microservices provided by your application. Suppose you are at an airport, it has a common entry point but inside it separates the passengers going from Air India flight from Indigo flight and delegates the passenger to correct flight. It also can act as a point of authentication and authorization (checking the boarding pass) making sure the current and valid request (passenger) ends to the desired handler (flight).

Protocol: A protocol is a set of rules of formatting, sending and receiving data over the internet. If communication over the internet has a language then a protocol is its grammar, in a more strict sense.

The sender and receiver both have to follow the protocol to attain proper communication. 🕯

Shubham Shukla (IPG-2014) is currently working as Software Engineer at Grab.



REWINDING...





Name: SHIVAKRUTHI
KALAKONDA
Batch: IPG-2015

THINGS YOU DO THAT HARM THE ENVIRONMENT

THAT YOU DON'T EVEN REALIZE

I was walking along the beach one day near home when I saw a plastic candy wrapper in the sand. It was so clean around so I felt obligated to pick it up and throw it in the trash when something caught my eye. The plastic wrapper was from 35 years ago and it was shiny and clean and looked like it could have been bought yesterday! That was when I realized the impact that the slow degradation of plastic had on the environment and how important it is for us to curb our use of plastic.

When I started looking further into this matter I realized I myself was guilty of so many things which cause harm to the environment. It was because I was not aware of how my actions increase my carbon footprint on the planet. I started thinking in terms of my carbon footprint, which means how much carbon dioxide an entity releases into the atmosphere. We tend to forget that all the trash that we throw out of our homes still ends up on our one and only home after all. It is important to be mindful of the waste and type of waste that we produce.

If each of us can be more conscious of environmental issues and willing to take some simple steps to save the planet, we can make a huge difference. Simple

changes in our lifestyle will make huge differences.

Here are a few examples:

Curb the usage of single-use plastic: Don't buy a plastic water bottle. Bring your reusable one. Don't forget to take a cloth bag to the grocery store next time you go to buy your groceries. Don't use plastic straws and cutlery next time you go to a restaurant. Ask for silverware and paper/metal straws. If you stop buying and using single-use plastic products companies will stop making those products. Here is why limiting the usage of single use plastic is important. Plastics have a chemical composition which allows them to stay relatively the same and not decompose as quickly as other materials. Single-use plastics such as plastic bags (made of polyethylene) do not biodegrade, instead they photo degrade, on exposure to UV Rays, which breaks them into smaller pieces, but not degrade. These smaller plastics are called microplastics (less than 1mm) which usually cover the entire surface of the ocean and harm the marine life. Biodegradable plastics should be preferred over the non-degradable and photo-degradable plastics.

Trees Trees Trees:

The only machine that can reverse the damage we have done. They release oxygen into the air and absorb carbon dioxide. Plant them. Don't use too much paper. The New York Times newspaper reportedly chops down 500,000 trees each week for their newspaper. That's just for one week. And it is only one newspaper. Now include other newspapers around the world, paper used for educational purposes, and all other paper usages in the world. That's huge! The more forests die, the less they take carbon out of the air, the warmer it gets, and the more forests die.

Say no to fast fashion:

As the fashion habit grows, the amount of clothing waste continues to grow as well. When cheaper and trendy clothing is available readily, it tends to make us feel like we need to change our wardrobe frequently. (Here's an alarming fact: 1 in 3 women feel like their clothes are outdated after less than three wears!!) The negative environmental impact of fast fashion starts with the heavy use of pesticides to grow crops used for textile production, dyes and other toxic



chemicals. The fashion industry is responsible for 10% of all global carbon emissions, ranking second after the oil industry! The fabrics used in fast fashion are not biodegradable, like polyester which takes over a life time to break down, further filling up landfills.

Another fact: 10,000 items of clothing are being sent to landfills every 5 minutes!! That's millions of dollars worth of clothing waste. However, just the filling of landfills is not the only issue; it's the amount of raw materials and labour that's goes to waste as well. Do you know it takes about 1800 gallons of water (10,000 litres) to make just a single pair of jeans! Single pair... Yes that's right, just one pair of jeans!! Try to remember to put quality first before quantity especially when you go shopping for clothes. If you have a couple of pair of good jeans they will last you years! Did you know that wearing something for an extra 9 months can reduce its carbon footprint by an extra 20-30%!! Buy clothing for it to last, instead of seasonally. Buying less and buying quality means spending less time shopping and more time living.

Buy clothing for it to last, instead of seasonally. Buying less and buying quality means spending less time shopping and more time living.

4. Air pollution:

Don't opt for personal vehicles especially for going long distance. Use public transport.

By moving more people with fewer vehicles, public transportation can reduce greenhouse gas emissions. National averages demonstrate that public transportation produces significantly lower greenhouse gas emissions per passenger kilometre than private vehicles. Other than reducing the greenhouse gas emissions, it improves the air quality and saves energy as busses and trains use less energy per passenger than private vehicles. We breathe this air, so it's our responsibility to keep it clean for our own well being.

5. Electricity consumption

Roughly only 20% of the world's energy sources come from renewable sources such as solar power, wind and geothermal energy. The rest of that is from non-renewable energy sources such as burning coal and fossil fuels.

This in turn leads to air pollution and natural resource depletion. Don't leave the lights on when you leave the room. Being aware of how much you use electricity and not wasting it can help drastically in combat against climate change.

The above are just a few examples of everyday things we do that we don't realize have such a big impact on our environment. It is important to keep learning and educating ourselves and make the necessary changes to our lifestyle. Trying to find alternatives to these problems would also help. Every small habit change makes an impact. It is necessary to further educate and bring awareness of the looming climate crisis, how to reverse it and spread the awareness amongst our friends, family and even over internet. Most importantly we have to be aware of how much carbon footprint we as an individual are emitting as it will help us remain in check. I challenge the readers of this article to be mindful of how their actions affect the environment 🌱

Did You Know?

50% of our oxygen comes from Phytoplankton in "endangered" oceans.



REWINDING...



MEMORIES

We meet a lot of people in our lives, but only some manage to remain in our memories forever.



Late Abhinav Saxena and ...



... Late Tushar Sharma ...



... were among the most diligent members of AASF.



Their friendly demeanor with their dedication and hard-work made them SPECIAL.



It has been nine years since their unfortunate demise but they are still alive in our memories.



📷 Lifescape 📺 📩

 **Kushal Kumar**
Photography



📍 🗨️ 📩 ⋮ 📌


21,451 Likes
Kushal Kumar "I am jealous of pencils... their mistakes can be erased, ours can't!"


 **Rahul Mittal**
Art



📍 🗨️ 📩 ⋮ 📌

28,451 Likes
Rahul Mittal "A tribute to the Indian Air Force"

 **Haritha Sreedharan Nair**
Art



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29,600 Likes
Haritha Sreedharan Nair "Through the looking glass."

 **Poorva Khandare**
Photography



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20,851 Likes
Poorva Khandare "Its all about finding the calm in the chaos"



Anuraag Barde
Photography



20,451 Likes
Anuraag Barde "Sweet perfume of the mountain grass"



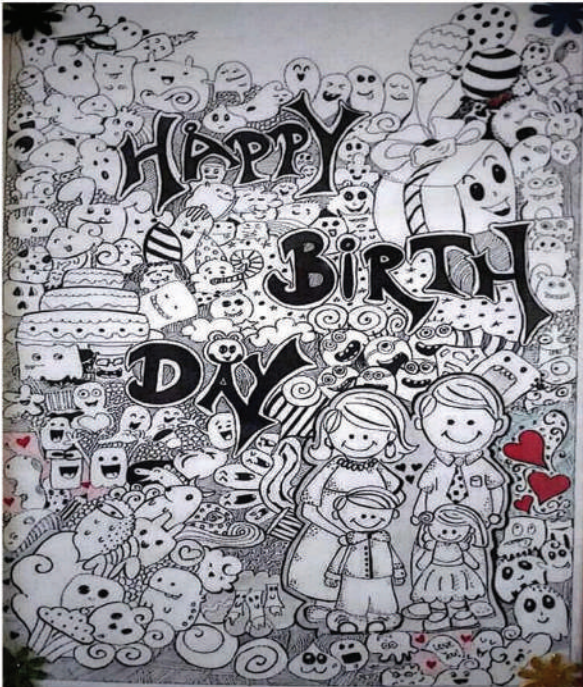
Ruchika Agarwal
Art



28,451 Likes
Ruchika Agarwal "Only 90s kids know the warmth of moonlight."



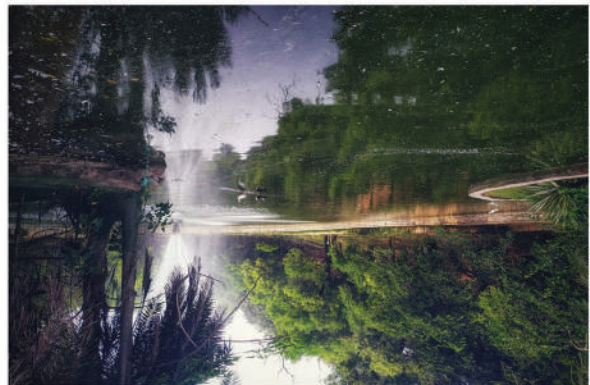
Sakshi Kumar
Art



27,500 Likes
Sakshi Kumar "Home is where the heart is. (A year ago, on dad's birthday!)"



Manish Kumar
Photography



22,401 Likes
Manish Kumar "Life would be so much better if it were Upside Down."



ERA OF THE 90'S KIDS

A PERFECT FLIGHT OF THE PAPER PLANE MARKED THE BEGINNING OF OUR ACHIEVEMENTS. THOSE BEYBLADE TOURNAMENTS IN THE BACKYARD WERE A QUESTION OF POWER. SUMMER AFTERNOONS WERE ALL ABOUT CHACHA CHAUDHARY COMICS AND COMPLEMENTARY MANGOES, HOURS SPENT ON MARIO AND DOOM FELT LIKE A FEW SECONDS OF BLISS, OUR CAREFREE MINDS WORRIED ONLY ABOUT THE TIME AT WHICH OUR FAVOURITE CARTOONS AIRED.

CERTAINLY, NO ERA COULD BE AS MAGICAL AS THAT OF 90'S KIDS AND OUR GENERATION IS THE SOLE EYEWITNESS OF THE TRANSITIONS THAT CAME.



CARTOON NETWORK



Name: **PRAGNYA
TATA**
Batch: **BCS-2017**

HARDEST DAYS, THE LONGEST NIGHTS

I was around 8 years old when my mom forced me to join dance classes. In the first dance class, I was taught some basic steps which I did perfectly well. Day by day as I improved, I started enjoying it as well. Two years passed and I was the star student of the class. Then I had a break for about a month in my classes because of my cousin's wedding. After that when I went to the classes, I performed very badly, and my dance teacher was disappointed with me. Slowly I started hating the thing I loved the most. I went to my mom and told her what was happening, and she said that she will help me out. From the next day, my mom used to wake me up at 7:00AM and made me practice for almost 2 hours every day. It wasn't like she would wake me and go about her work, she used to sit in front of me and play the songs on cassette and watch me practice. A month passed like this but there was no difference in my performance in my classes. Watching the efforts go in vain was so hurtful that I was about to give up, but my mom didn't let me and I kept practicing day after day. At the end of the month, my dance teacher asked the three senior-most girls, including me, to come forward and dance

on three back-to-back songs. My teacher had no hopes that anyone of us would even last for two songs. By the end of the first song, the first girl ran out of breath and stopped. Midway through the second song, the second one halted. All eyes turned to me as I continued dancing, one step at a time. My teacher was genuinely shocked when I completed the second song, and her surprise grew with every minute of my performance. I didn't stop until the last second, and when the performance was over, she was the first to clap. Some days, I still remember this and tell myself that the results are not always immediate. My mom taught me very important aspects of life which have helped me build my character. It was from her that I learned how dedicated one should be and how to never give up. Fast-forward to my 11th standard. I had grown up into a 16-year-old ambitious girl and wanted to get into one of the top NITs or IITs. Hence, my preparation had started from the 9th standard itself. As I came to junior college, the preparation for IIT-JEE/Mains started becoming more intense.

I have an elder sister. She is 8 years older than me. She left for the USA when I was joining my 11th to do her higher education. I never really cared much about her because of our age gap, we were not close to each other and our conversations would usually end up into a heated argument making us hate each other more. As I was leaving for the hostel, it was now only my parents in the house. I was a hostler and my parents had given me a phone to call them and to be able to stay in touch, even though it wasn't allowed. From my school, I had an obsessive friend who always wanted to talk to me and always wanted to know about my whereabouts and stuff, and used to call me every day. The call would last for about an hour or more. That friend almost made the emotional state of my mind unstable. The phone I was given to call my parents had lost its purpose. I stopped talking to my parents. I rarely talked to them whenever they came to visit me. I used to just take snacks and get back to my routine. It wasn't like I did not love them, it was just that amidst my own unbalanced life, I couldn't care to



REWINDING...



give importance to them.

One evening the vice principal called me to the cabin and told me that a relative of mine had come there because of an urgent issue. I went and saw my uncle, but he didn't tell me anything about the sudden visit. The silence scared me. I was taken to a hospital, and there I saw my mother on the hospital bed and my dad sitting beside, holding her hand. It took me a few minutes to realize what was going on.

After seeing her I was taken out and my uncle told me, "Your mom was doing pooja and all the diyas were arranged side by side. Her saree's pallu caught fire and everything except her face is burnt. She was rushed to the hospital immediately, but we cannot say about her condition. Stay strong, beta." I couldn't digest what had just happened. I sat on the floor and started crying. My dad came out. I rubbed my eyes and went to him, he told me that my sister is on the way from the USA and had just boarded her flight.

He tried to act strong but couldn't control his emotions and broke down in front of me, and hugged me hoping that nothing will happen to mamma. My sister arrived the next day. My mom's condition was critical and she was always in a semi-conscious state. I used to go to the hospital every alternate day and three months passed like that and our hope for her survival was

growing constantly.

It was time for my 11th class board exams. My dad told me to come to the hospital only after I am done with the exams. He said, "Talk to mamma before you leave." I told her about my exams and asked her to wish me 'All the best' before I left for my hostel to study. On the day that my physics exam was over, my uncle had come to the exam center and he took me with him to the car.

I asked what had happened and he asked me to sit in the car. Then he told me that my mom had passed away yesterday, but no one had told me because of the exam. The first thought that struck my mind was "how will my dad and my sister gonna take it?" From childhood, it was always me and my mom who were the strong ones in the house. I started crying and when I reached my home, she was in the box. My dad was in the pooja for her cremation process, and my sister couldn't arrive so they had to cremate without her.

I decided that I am not going to cry and that I have to stay strong because if I give up now then my dad and sister will break down immediately. I somehow kept my will strong and went along with all the rituals. My sister arrived the next day and I ran and hugged her and I couldn't leave for the

next 15-20 minutes. We all were trying to hold our emotions, and after a while, all the relatives left. It was me, my dad and my sister. We decided that my sister needs to return to the USA to complete her MS whatever the situation may be.

It was my mom's dream to see my sister well settled there. She left in 15 days. Then came my turn to leave for the hostel. I told my dad that I would join a nearby junior college so that I can stay home with him. He didn't let me and said that this was a crucial time for me as I was in 12th now and that I should study so hard that he would be proud one day that he hadn't let me stay with him. I left for the hostel. I thought I would focus on my studies, and never think about what happened.

But in the hostel, everyone started questioning me if I was okay, or if my sister had left, or something else. I don't know for how long but the thoughts kept on striking me and I used to think about what had happened and what will happen now. I used to cry in the night daily before sleeping so that no one would see me and question me. And every morning I used to wake up with a will that I won't cry today and will stay strong.

At random times of the day, the thought of "what if" started bugging me. Now when I

REWINDING...



wanted to talk to my mom, she wasn't here, and I had a deep feeling of guilt inside me. No matter how hard I tried to ignore, the thought always kept running through my mind that I should have spent more time with her. I felt I couldn't even tell my mom how much I loved her and how much I really cared for her and everything that I wanted to do for her in the future.

I wanted to give all my first earnings to her. I wanted to go on a trip with her. With my earnings, I wanted to take her to all those temples that she wanted to visit in India. All these thoughts kept running in mind and the fact that I can never fulfill them hurt a lot. All those busy years I couldn't spend time with her in living moments that would have become memories which I so badly needed now.

I never really cared about her when she was with me and what is the point of regretting now? I eventually stopped crying because I cannot change what had already happened. What is in my hand is, "What can I do now? How determined can I stay? How am I going to make my dad proud?"

I used to meet my dad every Wednesday and seeing him kept my will to study stronger. Whenever he used to talk about what had happened I used to tell him, "Dad if you think about the past,

who will think about us? Me and Akka? We only have you now, and you have us, so please don't cry. There is no reason to cry". He used to agree and I guess maybe I used to give him enough dose to be strong until the next week.

Seeing him every week and me telling him not to think about what had already happened made me realize that if I keep clinging onto the past, what will happen to my future? Who will think about dad? I could clearly see a reason to get on with my life - "My father". I decided that I wouldn't take a chance of doing the same mistake, the importance and care I wanted to give my mom, I showered everything onto my sister and my father. The one thing that always kept me going through those days was that I still have my dad and I have made him a promise that I am going to the hostel to study and I should focus on it. So many nights went when I would break down, but finally, one night came when I didn't cry. I would say my heart felt a bit lighter that day.

The growing bond with my father and sister made me happier and easier to move on. Strangely I found a new mother in my sister and I really never understood why I

couldn't have this bond earlier. I understood that they were my future and it's time to make new dreams with these two in them. I decided that I am going to love them so much and spend so much time with them whenever possible so that the 'Memory' folder of my brain will run out of space. I used to write down my targets every day and one of them was to not cry and to stay strong and keep smiling.

Slowly, time passed and everyone did settle down a bit. It was time for my JEE Mains and Advanced, it had always been my dream to see my mom and dad at the center waving me off by wishing all the luck, but that day, there was only one of them. Still, I think my mom's blessings and love are always with me, so I gave the exams with my all efforts.

I successfully scored AIR 8710 in Mains, and AIR 4596 in Advanced, and 500th rank in local state EAMCET. I didn't know if I was happy with my result or not but, I did make my dad proud, and that is what mattered.

Two years have passed since I got into college, and now I am a confident person, strong enough that whenever someone asks me about my mom, I can reply that she passed away with an earnest smile. 🙏

REWINDING...



ABHISHAR V9.0 | LIFESTYLE





Name: PALAK
JAIN
Batch: IM6-2017

From the days of being pampered in the house to the days of independence in the college is a sea of change that we all face. But one might wonder from where do we get the strength to fight the hurdles that come along with the liberty and instill courage in ourselves? Well! It's the constant support of the "family" that we make in college itself. And this family is not the so-called uniform caste one rather it is a paradigmatic ethnographic comprising people from all diversified cultures and traditions residing in one place. It's a true and caring relation which does not have to speak loud. It's an unfeigned feeling felt with the heart. You meet many people along the way of your life but very few stay forever in your life. Friendship is one of the most beautiful gifts you can present someone wearing your heart on your sleeve. It is something that shall remain with us forever. When we all stepped out from the threshold of our homes, to start a new life away from the ones who had been always there when we needed them, we made a new vicinity of love and care. A fresh new bond to start with. A relationship that is free of any judgments where you can completely be yourself without the fear of being judged. We made

F.R.I.E.N.D.S here.

Late-night cravings to inviting people for PUBG have become a part of life.

Cooking together with your squad to accomplish a recipe without Maa which is definitely not burnt and tastes good is like a talent now. When it comes to your birthday, while reading this how many of you thought that you look for an escape from college at that time! Definitely, the reason being thundering of smacks that misconfigure your walk for at least a week and a whirling circle of n number of people constantly nagging for a party for they remembered your special day.

When we are sick, we might miss our parents but the first one who gets the medicine for us is a friend who stays by our side through thick and thin. When we are low, tugging at the heartstrings, just a conversation with friend and sharing laughter lightens the mood. It doesn't matter if our problem gets solved or not by that conversation, but it is definite, it will strengthen us to fight back the situation. They are a part of our first victory cheer that is cried out loud or a shoulder to cry on after our break up.

When we all return from home after long vacations, friends won't hug you but they will attack your bag to just get the homemade items that make their mouth-watering. And to your surprise, you are left with an empty box within a few minutes. Having a taste of food from North or South or East or West who have no homogeneity of flavors but rather a wealth of flavors is simply staggering. Adding onto that, with friends from the diversified culture we experience festivals and celebrations of all kinds marked by pomp and color and exotic cuisines, music, dance and dressing up in traditional attires. In college, we learn the way of living. It is the first step that marks you are no more a child to make mistakes and repent on it. It teaches that the world outside is not a piece of cake. At the same time, college life helps us earn the best assets of our life, our friends because they share our sorrow, soothe our pain, makes us feel blissful. Certainly, in the future when we look back to these days, they will bring a smile to our face and will make us wish that we could walk back in time to that period. 🍷

REWINDING...

ABHISHAR V9.0 | IIITM STREET





Name: ANJULA
MEHTO

Batch: Ph.D. Scholar

आपका नंबर व्यस्त क्यों?

32

आज जब मैंने मोबाइल से अपना ही नंबर डायल किया तो, उधर से आवाज आई, आपके द्वारा डायल किया गया नंबर अभी व्यस्त है। अब आप कहेंगे कि, इसमें नया क्या है? ऐसा तो होगा ही। इस सिद्धांत (जीमवतल) को अब अपने ऊपर लागू करो और सोचो, आखरी बार आपने अपने आप से कब बात की थी। अब आप कहेंगे कि, खुद से क्या बात करे? गौर करने वाली बात है कि, आप अपने लिए समय निकालते ही नहीं हैं, और खुद को टटोलते ही नहीं हैं। बस भागते जा रहे हैं और इन्ही बातों में लगे रहते हैं कि, उसने मेरे बारे में क्या कहा? या वो मेरे बारे में क्या सोचता है? या तो आप सोशल नेटवर्किंग साइट्स पर अपना समय बर्बाद करते हैं। और इन सब में आप अपने आप को भूल जाते हैं। फिर समय ही नहीं होता है, खुद के अंदर झाँकने का,

उस इंसान से मिलने का जो आपसे बात करना चाहता है। तभी तो जब आप खुद से बात करने जाते हैं, तब आपको अंदर से आवाज आती है आपके द्वारा डायल किया गया नंबर अभी व्यस्त है। मतलब कि, आप अपने बारे में सोच ही नहीं पाते हैं, और इधर-उधर की बातों में उलझे रहते हैं। तभी तो, जीवन की आपाधापी में कब वक्त मिला, कुछ देर कहीं पर बैठ कभी यह सोच सकूँ, क्या किया मैंने अपने लिए कि, कभी तो खुद को टटोल सकूँ, चला जा रहा हूँ जिंदगी के इस सफर में, नहीं पता क्या करूँ? अपने लिए ये सोच सकूँ। इन पंक्तियों में से कुछ आपको कवि स्वर्गीय श्री हरिवंश राय बच्चन कि याद दिलायेंगी। बात बस इतनी सी है कि, आप जो अपने आप को छोड़ शेष सभी का विश्लेषण करते हैं, तब

आप स्वयं का विश्लेषण करना भूल जाते हैं। तो फिर देर किस बात की...उठो, चलो, अपने लिए समय निकालो, और अपने अंदर झाँको ताकि, फिर कभी जब आप अपना नंबर डायल करें तो, ये न सुनाई दे कि, आपके द्वारा डायल किया गया नंबर अभी व्यस्त है। अंत में, ठहरा एक सागर हूँ मैं, मेरी गहराई का मुझमें होना जरूरी है। भटकते हुए स्वयं को, इस सागर के साहिल तक लाना जरूरी है। जिंदगी चलती है, चलेगी ही, बस मुक्कमल सा एक जहाँ हो जाना जरूरी है। मानती हूँ कि, हर ख्वाहिश पूरी नहीं होती सभी की, पर ये जिंदगी चलती भी उसी की है, जिसकी कुछ हसरतें अधूरी हैं।



जिसने धिर धिर कर मुश्किलों से निकलना सीखा।

उसी को होता है, हासिल कोई मुकाम यहाँ।।

ठोकरें खाकर जमाने की संभल जाता है जो।

उसी को करता है झुक के सलाम यहाँ सारा जहाँ।।

बदल देंगी ये ठोकरें, तेरी किस्मत एक दिन।

भाग के इन ठोकरों से तू बच के जाता है कहाँ।।

भाग मत उन ठोकरों से, कर ले सामना डटकर यहाँ।

बस देगा ये जमाना ,तुझे तेरा अंजाम यहाँ।।

कर दे आगाज अगर तू, अभी फौरन से पेशतर।

हौसला कर ले तू बढ़ना है, तो पीछे है कहाँ।।

बाहें फँसाए इस्तकबाल करेगी मंजिल तेरी।

चूम लेगा सीने से लगाकर, तुझे ये सारा जहाँ।।

ठोकरें खाकर हो जाएगा सुर्खक 'द्विवेदी'।

मंजिलें हैं पुकारती तू 'अकेला' है कहाँ।।

REWINDING...



ABHISHAR V9.0 | LIFESTYLE





Name: **ADITI SINGH**
Batch: **BCS-2018**

The right to love anyone and everyone was not given to us before September 6, 2018. The road to respect the love of same gender was not easy and not short as well.

On September 6, last year-not at the stroke of the midnight hour, but somewhere around 11:30AM - LGBT Indians "awoke to life and freedom". Passing its judgement in Navtej Singh Johar vs Union of India, the Supreme Court of India struck down Section 377. For LGBT Indians, this was the moment of moving from a colonial legal regime to the Indian Constitution's promises of equality, dignity and fraternity. To quote the Johar judgement, there was an "unbridgeable divide between the moral values on which [Section 377] is based and the values of the Constitution." The Constitution's promises have now been made true for LGBT Indians.

One year is a good time for introspection. The moment of freedom has been savoured, the shift begun from a mentality of fear to the confidence to assert citizenship rights, though the trauma of criminalisation may last a lifetime. It is also a good time to reflect on the work that remains. The past year has seen dramatic changes. People have come forward to discuss about

their sexual orientation. Bollywood is seeing changes, too. Film has the power to create a moral narrative that reaches all corners of the country. Ek Ladki Ko Dekha To Aisa Laga hit the right note especially in depicting the bullying and depression that many young gay people face. The pride parades in Amritsar and Jalandhar were also major milestone. Same sex couples have been approaching courts all over the country asking for protection, and their demands are being met who would have thought about it a year ago?

However these changes in the public domain only happen because of changes within us, as we learn to let go of the fear and the hesitation. I always think, the law has changed, but will society change? How a country which is known for its struggle of freedom, couldn't give freedom to the emotion of love. It is not just about a certain community, it is about the freedom of each and every member of the society because LGBT is not just a community, it is part of our society. How can we question something as pure as love? How can we call love a disease? I know why.

Because it questions our faith and the culture. It is so easy to call religion in between something that we feel uncomfortable about.

But then the new generation comes. We say that we are comfortable, we say that we want change. But then why the question - would this make me look 'gay' comes into picture? Why boys avoid pink and purple? Why couldn't we mind our own business?

I guess I have talked pretty much about the frustration that I have. I would just like to conclude with a few lines. In the words of Denice Frohman "Dear Straight People, Sexuality and gender? Two different things combined in many different ways."

And lastly don't say #pride because everyone else does. Say #pride because you want to, say #pride because you are proud and maybe it is high time that we replace #pride with just Pride, as it is not just a trend that will pass by. It is something that is going to stay with us forever.

NOTE: Some lines are inspired by the article "One year after freedom" from The Hindu. 🙏



REWINDING...





Name: **CHITRANJALI BANJARE**
 Batch: **IPG - 2011**

CYBER SECURITY AS A CAREER

Coding, full-stack development, AI, ML you might be hearing about them very often in our institute. But have you ever heard about Cyber Security as a profession? I too had never thought of this topic until I was recruited as a Cyber Security Consultant. "Hmm... Maybe I will be providing some technical recommendations to others" That was my first reaction. Today, it's been more than 3 years since I have been in this profession and I'm loving it.

There is so much you can experiment in this domain whether you are BTech/MTech or MBA, cyber security provides scope for everybody. In this article, I will provide a gist of everything you can do in this field, but I would suggest to do thorough research and then decide.

Cyber Security For IT: If you want to dig deeper into core technical aspect of cyber security, you could end up becoming a Pentester (Both application and network), Malware Analyst, Cyber Security Architect, Cloud Security, IoT Security etc. Basically, anything and everything that is connected to the internet can have security issues which, if gets exploited, may lead to severe hacking/data leakage. So as a cyber security expert your task will be to

identify the threats in infrastructure and secure them.

Want to earn money in leisure? There are bugbounty, Capture The Flag(CTF) and many freelancing pentest jobs available which you may try to earn easy money.

Start your preparation from today. Since it is the latest trend in the market hence you might not face much competition in this domain if you start preparation from now. The only thing which is required is to keep yourself updated. You may do it either by self learning or by doing some certifications. CEH is the basic certification known in the field. Apart from that OSCP, CISSP, ISO 27001, OSCE, OSWP etc. are some advanced trainings.

Cyber Security for Non-IT: There is nothing to worry if you do not share an interest in IT. There are plenty of compliance and governance jobs out there in the market. You may be developing security frameworks, policies, procedures etc. You can be recruited as Information Security Auditor/Analyst which is not much technical and it's fun too. Finally, following are some useful resources which might help you in your research.

Starting Point: Generally people start by hacking Pakistani/Bangladesh websites :P but I would recommend reading OWASP Top 10, CEH Free books/PDF, Damn Vulnerable Web Application practise etc.

BugBounty: Websites such as Bugcrowd, Hackerone host bug bounty program for registered companies. Some companies have their own bug hunting platform.

Capture The Flag: CTF-time.org, root-me.org, Vulnhub machines etc.

Preferable OS/Tools: Kali Linux, Burp Suite, wire-shark etc.

Deep Web: TOR browser and duckduckgo search engine. (Beware: Do not go too DARK.)

Anytime if you develop some interest in this field, feel free to ask me your queries at chitranjali.banjare@gmail.com

Caution: There is a slight difference between cyber security expert and hacker. So make your choice judiciously and be a nice person :)

Chitranjali Banjare (IPG-2011) is currently working as Senior Associate, Cyber Security at Societe Generale Global Solution Center.



YOU CAN'T HIT WITH PRIORITY IN A PSYCHIC TERRAIN



Name: PRADYUMN
POTTAPATRI
Batch: BCS-2017

Consider the following metagame from Pokémon Showdown. Each party has 6 Pokémon to battle with. Remember that priority moves will attack first like the priority scheduling algorithm. You have left out with full HP Mega Scizor in your team and 2 other bulky flying types with some priority moves with anywhere between 60%-80% HP each. You are presently on the battlefield with a stocked HP Mega Scizor, no status ailments or stats raised (writing this sentence is odd). The opponent is cornered with a single mon, and he enters the scary fairy Tapu Lele. Considering you are taking Scizor in your team, you might as well have Bullet Punch embedded with it as it is effective on Fairy-types and is also a priority move. Like every other player, you plan out to take the chock-full Tapu Lele which is probably a Life Orb/Choice Specs variant and the opponent willingly plans to hit the Fairy-type attack Moonblast as it is the safest move here. You might be tempted to stay in with Scizor as it will resist fairy types. Are you willing to smash Bullet-Punch? If yes, then voila you've just lost the game. The opponent might trick you with a Hidden Power Fire. Scizor is Bug/Steel which makes Hidden Power Fire lead

to 4 times the damage and you also see that Bullet Punch doesn't hit. It's probably a Life Orb variant as he has Hidden Power Fire so he can shift to hit Psychic and sweep your other mons too. You have missed a small yet important aspect of the game, the Tapu Lele has just entered. When Tapu Lele enters, it's ability 'Psychic Surge' activates 'Psychic Terrain' on entering and lasts for 4-7 turns. 'Psychic Terrain' blocks all kinds of priority moves on a grounded mons. Basically, you can't hit with priority in a psychic terrain. Although there is a way to win the game. Simply switch out Scizor to those bulky flying types and try throwing some Quick Attacks/Protects for at least 3 turns which can give you some chip damage on Tapu Lele as flying mons are not 'grounded' and essentially removing the terrain from the field. Mash out the demon Mega-Scizor and hit Bullet Punch which then sweeps Tapu Lele. Since 7 turns to last has a probability of 5-10%, the risk is a candy. You willingly read two paragraphs while not having inferred a single thing and probably thinking about why you choose to read this arti-

ticle. Presumably, you just raised your eyebrows by a sarcastic margin while reading the previous sentence. And now you chuckled. What exactly happened in the above metagame? You have entered a situational crisis situation. Although minor but yes, kind of. The crisis factor is Tapu Lele. Thereafter what are you ought to do to break past the horror and win over it? In competitive situations like this, people often get tensed and bet on the first thing that comes to mind. A situational crisis can come up at any time be it roadblock, a class or the mess you eat daily in. Transformation to a rage monster isn't always helpful. Sleeping on it will just lead to an existential crisis (I went too far).

In the loop of crisis situations, it's necessary that you pick off the important aspects skillfully one by one. The next step doesn't involve to throw the Kartana on the head but to plan how to throw it accordingly.

If you are understanding where I'm getting at, 'They don't know that we know they know we know' should be the first thing that comes to mind. Tactical situations like an HR interview

REWINDING...



or encountering possible risks at shareholders in a company are states where your confusion and eternal darkness showers in your eyes.

How do you plan to throw the Kartana? There is a multitude of strategies that can pay off but it is crucial that you make a framework on all of those while the planning a workflow that will lead you to strike an effective response to the given statement (why do I sound like a Harvard Professor). Identifying all the potential risks is also necessary. Taking the above metagame into consideration, Tapu Lele risks itself in a situation of whether it will win or not. In the sheer process of elimination, the given metagame ensures that you are a novice to Showdown as you are carrying famous mons. Every other noob will think to remove all the elements of threats right in front of him and hence will go for Hidden Power Fire. Coming out of the game, place yourself

in an interview and think from the perspective of what the interviewer wants to get out of you. Then determine the viewpoint of your ideas on the possible issues. Having a firm base on the issues you are going to tackle will raise your ability on the details and react to the potential responses quickly, yet effectively. Overdoing it is like eating too many chocolates at once which just gives one cavities as in you are liable to forget the issues sometimes. A well planned and rehearsed crisis management plan is suitable for the long term as you have practice and planning all ready in your hands. But how do you plan for something which suddenly drops out of the sky island and tries to destroy your pirate ship? All the planning and practice phases will be implemented here as well although speed is key which can give power to all of your outcomes.

Building a subproblem for the given problem is useful but not always helpful. Think of strategies what your opponent is ought to take in order to make you down and what will you have to do to get rid of it. Never assume competing against a new opponent is chastity in peril. Sometimes a nooblet can also ace away your whole team. Take your motion slowly in order to evade the ray bullets if you are outnumbered. But there's always a way to win the game. It's there and the probability is never zero. Just don't rush fast because psychic terrain is active here. By now, you are safe to assume that my heart is probably corrupt and I'm a pitiable, lonely person. But I don't register it as an unwillingness and bite my nails in frustration.

EI.

Psy.

Congroo. 🙏

Did You Know?

Pokémon is actually a contraction of "Pocket Monsters", the original name of the franchise in Japan.

"Pikachu" is actually a combination of two Japanese onomatopoeias, or words named after the sounds they make. In Japan, the crackle of electricity is said to make a "pika pika" sound, and the sound mice make is "chu."

REWINDING...



ABHISHAR V9.0 | LIFESTYLE



CIVIL WAR (CODING VS DEVELOPMENT)



Name: **RITIK VERMA**
Batch: **IPG-2014**

How coding helped me become a better developer and a quick learner (and obviously bag multiple offers). Don't waste your time by not reading it guys. :P

Everyone knows about the Civil War between coding and development, well I chose coding but I always loved developing too because that is ultimately where you will apply your logic right.

There are unlimited frameworks coming and becoming obsolete every other day. Well the best you can do is get your Data Structures and Algorithms right, it's called Durable Computer Science which will never get outdated.

Coding is a sport guys. Spending those sleepless nights thinking of the best data structure suited for the problem and finding and removing those bugs in the code improves your debugging skills greatly. Reading editorials of unsolved problems and implementing new algorithms enhances your learning skills. Your logic and thinking becomes unimaginably fast that 30 minutes is more than enough to get that green tick.

Coding is the best way to test you if you are a good fit for the company in the long run. Some companies ask for tech stack based questions, well that

works well for filling short-term requirements but to make sure the employee can perform anything and everything when given a problem, that's when big giants like Google, Microsoft, Amazon, Directi, Flipkart, Codenation etc. rely on DS and Algo to test the candidates.

Coding helped me bag offers from Directi, Zomato, Grab, GoJek, Cogoport, ShareChat, ChargeBee. I always had an upper hand and confidence to be able to approach any interview question, if not solve completely but at least get the approach right (which is something interview is all about - key is communication, honesty, approach and thinking out loud).

People have this misconception when coding is not even used in real development why is it even necessary to learn? Trust me guys, every tool, every framework, every operating system, every API has some amazing algorithms and data structures working day and night to get you the fastest and best results. Git using merkle trees, OS using stacks and heaps, databases using B+ trees, caches using hash maps and eviction

algorithms are just a few examples out of the million. So next time you use a new library or an API, respect the DSA behind it. If you want to do some bleeding edge work in the industry, learning coding is the best way to start with. But always make sure you work on projects to implement the tech stack that interests you. :) And see how you can use data structures to get things working in a quick manner and using algorithms to get better results.

Development can help you build things but coding will help making it scalable, reliable and fast! Coding helps you understand what problems can even be solved in polynomial-time and what cannot be and you need an approximate algorithm for the same (read about P and NP).

Here at Directi, I solved a problem of one of my friends creating a Trip-Advisor like app where you have to give the best trip to a person for N number of days for a particular city such that every tourist point has a happiness value which needs to be maximised, person needs to travel the least distance trip everyday, every point has a particular



REWINDING...



time duration only when you can visit the place and a minimum time for how long you need to be at that point. Interesting, right? Feel free to share your solutions. Had I not known about algorithms like Travelling SalesMan, KnapSack, Clustering, Job Scheduling problem would have been impossible to solve. Similarly I was working on a mach-

chine learning project where in I had to build a feature for counting number of queries that happened after X timestamp, $O(N^2)$ is what comes first in mind for someone who does not know Binary Search (and obviously end up getting frustrated), but where I had a million queries, binary search solves it elegantly in

$O(N \log N)$.

Also I used EditDistance (Dynamic Programming problem) for finding the nearby query. Hope you got the point :) . Signing Off 🙌

Ritik Verma (IPG-2014) is currently working as Software Developer Engineer at Media.net.



Shraddha Sachan
IPG-2015

Blessings from Thanatos



You'd better slow down, don't read too fast, time is short, the story won't last.

Hope is a bird, HANDICAPPED, fluttering it's wings in a vain attempt to soar, seed is sown, the rain is yet to come, but if only the time was more.

Once beautiful, is now an ugly 'BALD' creature, disappearing in the shadow of it's own, everything's gonna be alright, AAH! what a sarcastic tone.

The pain is everywhere, but I know who has it even worse, like a helpless fish thrown out of water, crushed under a heap of debt, child like me, I know is a curse there's so much I did not do, there's so much I want to do, but the irony of situation is screaming loud, "darling!, there's so much you won't be able to do".

The journalist who will never speak, the unfinished dance I can never complete, that long drive which is now a beautiful dream,

my next match..., my football team, yes I do', I wanted to say, am I the reason, her smile faded away?, that masterpiece, now I can never draw, that shooting star, I never saw, give me the guitar, I want to sing a song, 'I love you the most', to my mother it will belong.

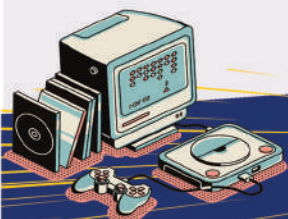
I am not ugly, even the moon has scars, I can bear the pain, smile mother!, shed off all bars. Each limb, each cell, is fighting to beat, not ALL dreams are meant to complete.

My eyes won't blur, there is no chance number two, though I missed the star, but my wish will come true.

I know the story's good, but it won't last forever, make sure yours is the one with a happy end.

"The sun is down and I am waiting for the stars to peep, but the night's too dark, and I am afraid of falling asleep".

REWINDING...





Name: **DIVYA SINGH**
Batch: **IPG-2015**

College life is one of the most beautiful parts of our life where we explore new beginnings and possibilities. We meet new people, form new bonds. We build the foundation of our careers and work hard to achieve our goals.

This is the basic definition of life at college. But is this all? Not at all. It is a wild mish-mash of experiences with all sorts of experiences.

One particular incident I remember is that of busting an absurd rule made specifically for the girls by some "higher authority". A new rule had been implemented that there will be no food delivery in Girls' Hostel after 7.30 pm and a notice had been put up at the main gate. Imagine the plight! So, one fine evening, I was taking a stroll with my friends when we decide to order pizza (golden times, Domino's used to deliver pizza then) just to see what happens. We deliberately ordered after 7pm so that the pizzas arrive after 7.30 pm. Classic devious move! The pizza arrived in about 45 minutes and like we hoped, the

guards at the main gate did not allow the pizza guy to deliver it to our hostels. Then followed multiple calls to our warden, followed by the eight of us marching down to the main gate for the love of oregano and chilli flakes. The notice that was put up there was under-signed by nobody but had been issued by some 'higher authority'. It seemed the pizzas had to wait a little longer. We further marched to control room and enquired about the 'higher authority'. Long story short, nobody took charge of where the notice came from, the notice was removed immediately and the usual food delivery to the girls' hostel was resumed. Here's a click of us celebrating our victory at the flag post. The pizzas were cold by then but they tasted of triumph.



This is just one incident, where we challenged the absurd rules put up by the authorities. The recent one includes the shutting down of Jain's Cafeteria (applause in the background). This was not done by us but God bless those who took the necessary steps. So, you see, there are incidents like these that you just can't forget or help laughing about when you recall them years later. Be it surviving through early morning boring lectures or celebrating birthdays till early morning, each of them holds a sentimental value. The time you spend with your friends, playing Mafia, Poker, or arguing about any random topic, skipping lectures to watch a new release, will always stay in your heart. And one day in the future, when you see your college pictures of you and your friends having a good time, you will find it hard to hold back a smile. These memories will stay with you for long, so make sure you make tons of them. 🍕

Did You Know?

The reach of Artificial Intelligence has expanded into pizza artistry. Researchers have figured out a way to teach an AI System how to construct a pizza by looking at a pizza.



REWINDING...



ABHISHAR V9.0 | IIITM STREET



Name: **KOLLA
RAJA SEKHAR**
Batch: **IPG-2011**

DON'T FALL INTO THE INTERNET TRAP

40

The Internet has become central to modern life. The web has altered daily life radically.

If you're "living online," you may encounter five significant problems or "costs" in two categories – "commercial costs for consumers" and "social costs for individuals." The commercial costs include overspending on instantly available goods and services. Over time, the things people buy so easily lose value in their eyes. The social costs include exposure to unverified judgments and opinions. Time spent anonymously online can lead to negative actions and bad behaviour. Relying on Google and other search engines can inhibit the learning process. When people operate online, they lose physical touch with other people. This undermines their ability to socialize face-to-face. As they become increasingly dependent on the Internet for information, they become easy marks for manipulation and phony news stories.

As it turns out, instantaneous access to a universe of information, communication and consumerism is not always a blessing. Many people are not aware of these costs, or they overlook them. Few people anticipate them, but – as independent research and relevant experiments show – they're

genuine risks.

You can mitigate the Internet's steep costs. Steps you can take include creating "structural barriers" to guard against the web's temptations; creating online systems so that people can experience a wide diversity of opinions; accepting "good enough" instead of always holding out for perfection; using social media to conduct "cold" instead of "hot" comparisons; and understanding that deciding "not to choose" is a valid alternative. Consider what you can do in the face of these five problems:

1. Too Many Temptations: Many people sit down planning to surf the Internet for a little while, but end up spending countless hours online.

Constantly giving in to temptation is routine online behaviour, but it's a bad habit. People who can fight temptation tend to be more successful in life – than those who regularly give in to temptation. Sometimes temptation can become a destructive addiction.

One effective structural barrier is special software that monitors what you do online and for how long. This software automatically limits

how many websites you can visit as well as the total amount of time you can spend on the Internet each day.

2. Too Much Information: Internet features a seemingly infinite number of products in every category. This nearly limitless availability of different products and services often results in "choice paralysis". Users encounter "too much information" and face complex, often confusing data. To deal with it, try to satisfy, don't maximize.

3. Too Much Customization:

The Internet allows customers to apply extraordinary customization capabilities to a variety of products and services, leading you into an echo chamber where you hear only opinions that resemble your own.

To avoid the echo chamber effect, open yourself to considering different thinkers, including people who hold contrasting opinions. Spend time on Quora, a website that enables people with different backgrounds and viewpoints to weigh in on various "hot-button questions."

4. Too Many Comparisons: If you are on Facebook, you

REWINDING...



ABHISHAR V9.0 | GEEKS' CORNER



may compare yourself with all of the other people with whom you're in touch. This is what Facebook users do, as well as people on Twitter, Instagram, Pinterest, Periscope and YouTube. The Internet is a giant, worldwide comparison machine. Many of these comparisons are "upward social comparisons," in which people contrast themselves with those who are doing better financially. Such comparisons hurt. When people present themselves to others on the Internet, they try to look as good as possible. This can lead to competition and jealousy.

To deal with hurtful upward social comparisons, make some "downward social comparisons." Compare yourself to people who don't do as well as you. Downward social comparisons can make you feel thankful for what you have and who you are. "Fight...envy with gratefulness."

5. Too Little Privacy:

Internet users have far too little privacy. Your personal space is shrinking dramatically. Whatever hits the Internet stays on the Internet – forever. This information resides online in many databases. Smart operators can try to

access all of your online information to learn all about you so they can sell to you or steal your identity.

You can modify your privacy settings on websites and on browsers such as Internet Explorer and Firefox – and thus increase your privacy protection. Another way to protect your privacy is to use the settings on your smart devices – televisions, computers, phones, cars and refrigerators, to prevent them from collecting data that then ends up in the hands of marketers.

Mental Heuristics

The costs associated with using the Internet affect your mental heuristics: the shortcuts in thinking that people use to make decisions and figure things out. Many times, the usual heuristics fail when it comes to the Internet, which can overwhelm clear thinking with too much information and never-ending temptations. Consider the challenge of trying to optimize your decision making when shopping at any store with thousands of different products. This challenge becomes infinitely more complicated when you try to

figure out what to buy online, where virtually all the world's products are for sale. As people rely increasingly on the web, these challenges will grow in frequency, complexity as well as the degree of difficulty.

In addition to the suggested solutions you can use to counter the costs of web use, engage in an "occasional Internet detox." Turn off your computer and other electronic devices to get away from the web and its effects. Don't take your smartphone or laptop on your next vacation; avoid the Internet while you are away. When you return, turn your devices back on. This way, you'll benefit from the advantages the Internet makes available when you're freshly equipped to mitigate the costs that can undermine your effectiveness and harm your psychological well-being even when you're offline. 🌟

Kolla Raja Sekhar (IPG-2011) is currently working as Assistant Manager, Cyber Risk at Deloitte.

Did You Know?

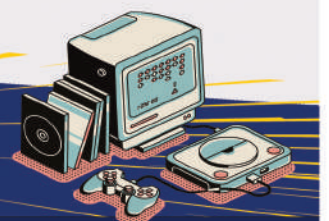
InternetLiveStats (ILS) monitors the active state of the internet, and as of now, there are around 4.2 billion users on the web.

This is expected to grow even more by the year 2020.

Statistics suggest that 50% of these internet users are on Facebook.



REWINDING...

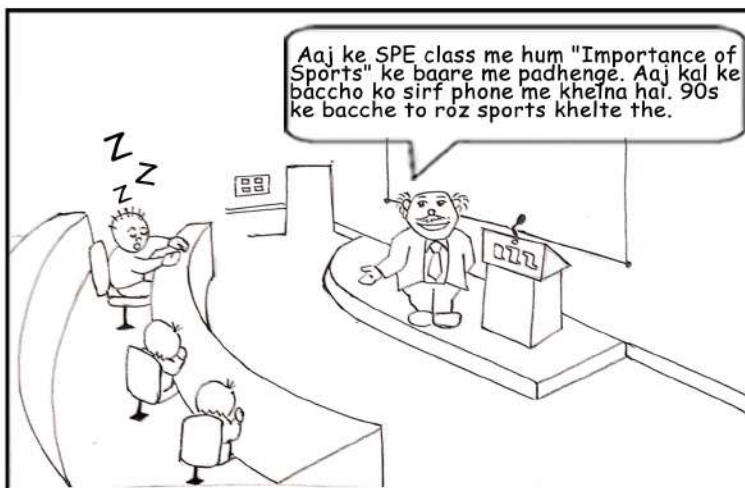
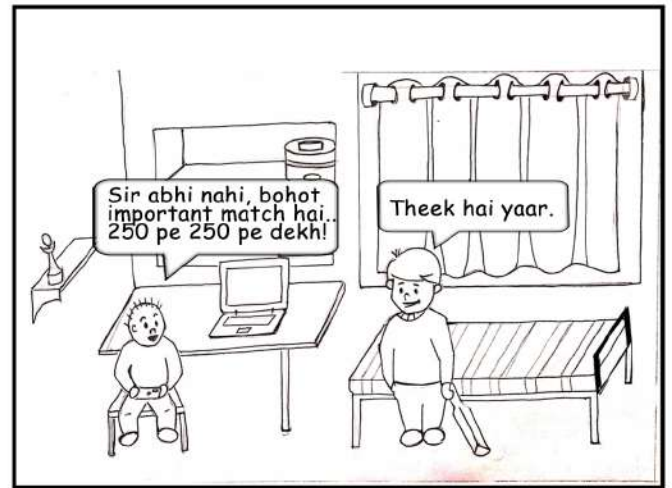
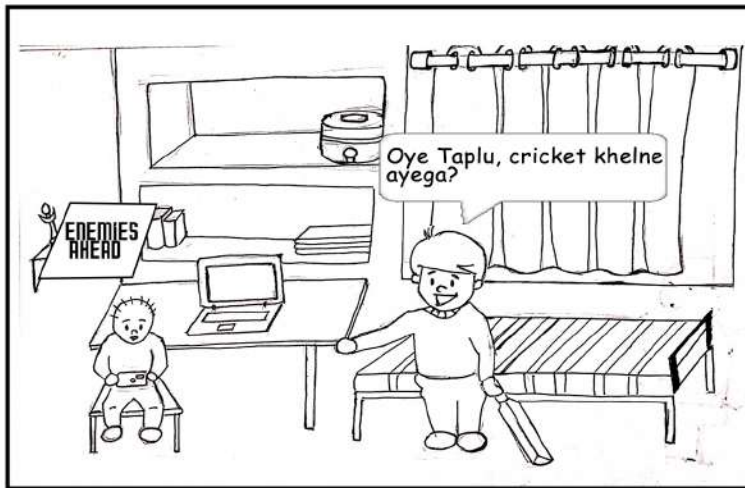


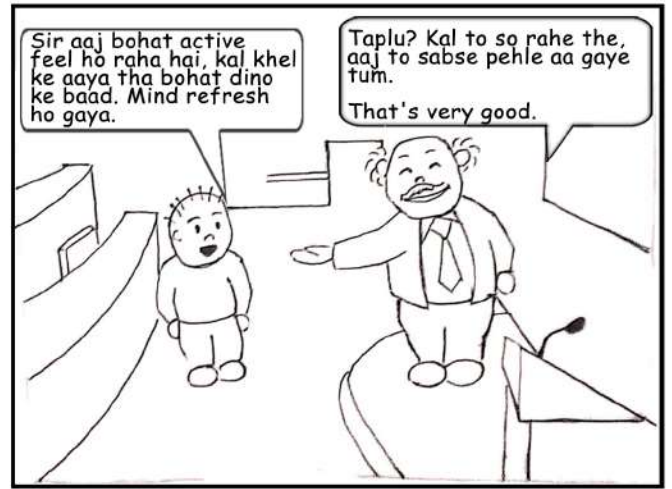
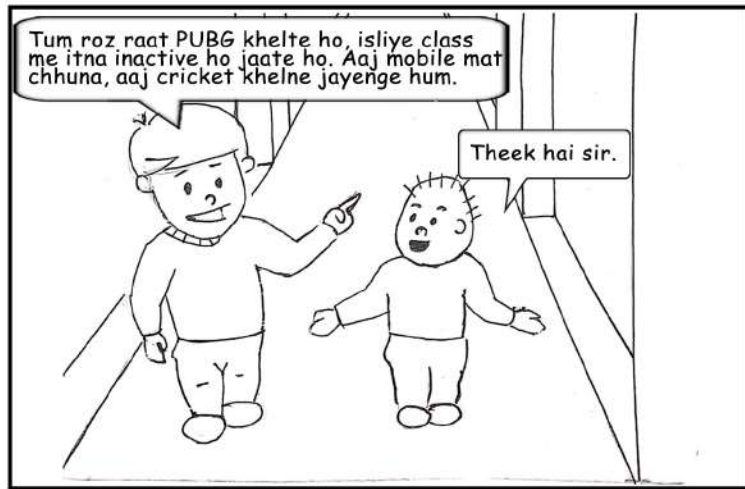
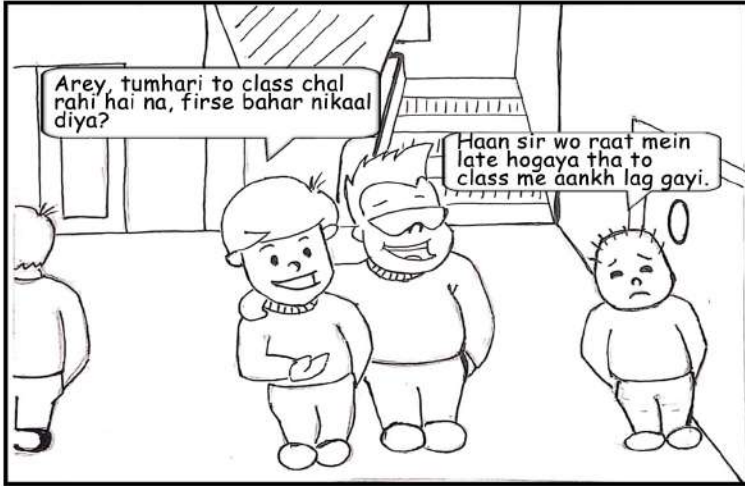


Friends Fun & Dreams

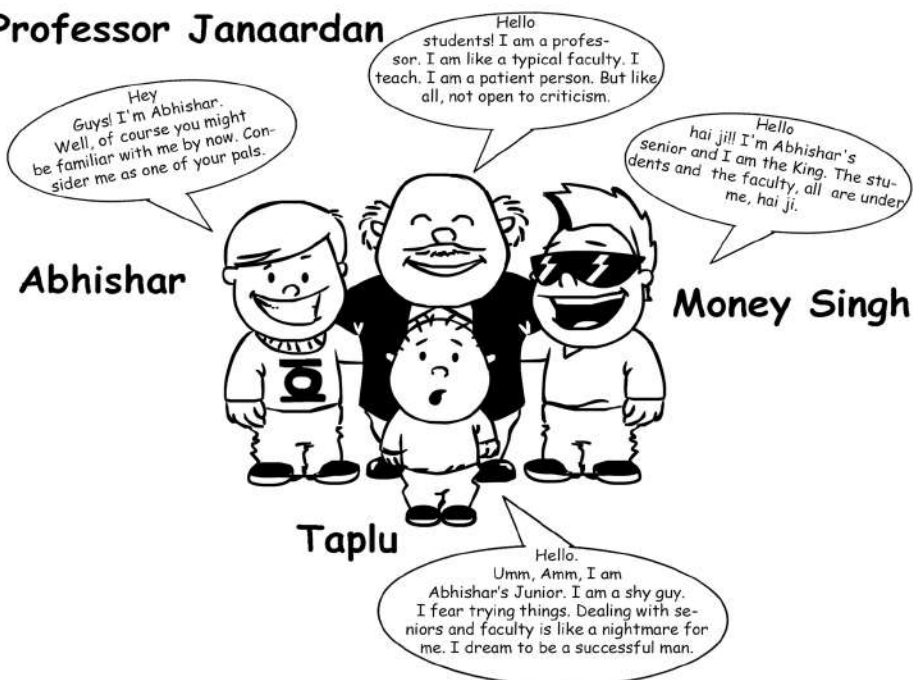
Abhishar is a good friend of students. He listens to their thoughts and experiences. Abhishar tries to chalk out easy solutions for students' problems. They feel motivated to showcase their hidden talents after talking to him. Personally, we feel he carries with him a very positive air and is capable of spreading happiness around. And we will try and make all the possible efforts to help him with this splendid companionship with you.

We would like to express my gratitude to Mr. Tushar Neogi, IMG-2018, for his valuable efforts in realising Abhishar and his friends in "Friends, Fun & Dreams". We couldn't have done it without him.





Professor Janaardan





Name: **KUNAL
JAIN**
Batch: **IMT-2019**

A long time ago, there was a hardworking man who went on to pursue a decent career of being a lawyer. He worked hard to complete his law education and became successful in his endeavor. After some years of meticulous practice, he saw a job offering in a newspaper for a government job—a dream for many people. He filled the form, gave the examination and cleared the examination with flying colors. He was among the very few who were called for interviews. The interviewer threw questions at him and this man with all his knowledge and experience tackled each one of them, impressing everyone. Result? He got hired!

So, the father of a one-year-old daughter went to live in the Pink City—his first appointed place of work. He performed exceptionally well. Hard work bore fruit and he was transferred to Delhi.

Years of work and another transfer to Chennai made him realize that he didn't want his daughter to suffer in her education due to transfers. He decided to admit her daughter to a school in Gwalior, his native place and let his wife stay in Gwalior with his parents.

With no moral support or a family in Chennai, life became difficult. He could not meet his family for months. He was sup-

posed to do all the work on his own.

Life was good. A prestigious post, money, security, experience. What else could one ask for?

The protagonist of our story, after completing 11 years of his job, suddenly decided to quit his job. Everyone was shocked by his decision. He talked to his wife about it and told her that he was not satisfied with his job as he was away from his family, as he could not watch his daughter grow and show her the love he wanted to. His wife at once agreed to his decision. With the support of his wife, he resigned job, came back home, and to no surprise is living happily with his family. But how can a person be so happy after resigning from such a good job? Maybe because he followed his passion. Maybe because he didn't care about "Log kya kahenge". Maybe because he knew what his dreams were, he knew what was right for him, he knew his priorities in life and that was all he needed to be joyous in life and enjoy every "bit".

The protagonist is my father and I am proud to be his son. There are just two statements which my dad says to

me whenever I talk to him about this —

1. "मैंने भगवान से खाने के लिए रोटी मांगी थी वो ची लगा लगा कर दे रहे हैं।" Believe in destiny and do what you feel and enjoy in your life. Life has good things coming for you every second, just grab those opportunities.

2. "वो सोना किस काम का जो नाक काटे।"

Everybody reaches a point in life where a decision is to be made and it changes your life completely. Think, when you will be at the end of your life, will you regret the decision you made at that point in life.

At present my dad is a devoted social worker. Being the Zonal President of Jainism group, he organizes camps for the welfare of the society and also renders non monetary counselling to needy people regarding their legal matters. He is highly motivated and full of zeal as he loves what he is doing.

Remember you deserve to be happy. You deserve to live a life that excites you. Do what you love, set your priorities, make your decisions wisely and then make your act. After all you deserve all the good things life has to offer! 🍀

REWINDING...





Name: PAVAN SRIHARI
DARBHA
Batch: BITS HYD(2017-CSE)

RANTING BUT NOT REALLY

Just an average everyday conversation between a suicidal boy Yamino and his conscience Con. It's part of something larger but the excerpt can be used out of context.

"Say, Con-man, let me tell you something."

"Fire away, Yami. Fire away."

"You're walking on a steep cliff. You gaze over to look at the rock face and hundreds of feet below you, is a person, signalling for help, all while drowning in quicksand. Shocked, you instinctively reach out your hand and unsettle a few pebbles, reminding you of just how high up you are. Unsure of what to do, you hope the person doesn't move too much, for quicksand will swallow him up quicker if he does. Fortunately, people are quite good at doing nothing. Meanwhile, you fashion a rope out of everything in your surroundings. You proceed to let it down along the face of the cliff, praying that this makeshift lifesaver does its job. Oddly enough, the person seems even farther away from you and the rope just barely makes it to his hands. He grabs on for dear life and you start pulling him up and out of his misery, risking being dragged in yourself. The rope snaps within seconds and it's back to square one. You work on an

insanely strong rope, being careful to overcompensate its length. You go at it again, the extra length only being just enough. The cliff seemed to be growing alongside your rope but you don't give in. With the superior rope and all the determination you can muster, you hoist the person to safety. He breaks down and can't thank you enough, melting your heart. Then, you try to relish the view together. It's only then that you realise that you saved but one of a few thousand drowning individuals. You try to lasso more of them up but there's only so much you can do before people start getting irretrievably smothered under the quicksand. The shock of watching so many perish takes a heavy toll on you. Then, you look around and see the bigger picture. The valley you were exploring has a couple million such rising cliffs, all over-looking an endless sea of quicksand, consuming countless humans. No longer capable of feeling sorrow, you are left with a burning rage towards the rest of the people who are like you and could have saved a few and an absolute abhorrence for those who could have done even

more and never even bothered to try scaling these cliffs. Undoubtedly, every single devoured soul could have been saved if everyone had pitched in. This weighs on you heavily, for it's clear that what you did was the right thing, yet not enough people know it to be and even fewer care. That still doesn't mean that you won't rescue as many people as you can. It just means that you'll know that it's pointless in the long run."

"The hell type of story is that supposed to be?"

"A symbolic one, Con. The act of scaling the cliffs and attempting to rescue someone is basically social service. The rope stands for your willpower and the quicksand represents poverty. Pulling someone up to your level takes otherworldly willpower, for it's akin to fixing that person's entire life. Doing so blinds you to the fact that there are so many more who are still suffering, until the joy wears off and you actually notice. Clearly, not enough people are helping you out. Oh, the growing cliffs represent "The ever-increasing divide between the blessed and the needy," Con interjected.

"Precisely," I continued, "I



once heard that if you can wake up and choose what to wear, you are better off than about 95% of the population. Quite literally, everyone in our friend circle, everyone we know, constitutes a small portion of the lucky 5%. It is like how less than 5% of the ocean has been explored. It is more accessible than space, yet humans reach for the stars above instead of the sea below. As if wonders cannot exist underwater! This is just how people aim higher and higher in life, ever-thirsty for more of society's version of success, without giving a second thought to those left behind to rot."

Con had nothing to say. So, I went on.

"It's a fact that a child born to a mother who can read is 50% more likely to survive past the age of 5. This should be interpreted to mean that an astonishing number of children born to illiterate mothers bite the dust, mostly owing to poverty. It scarcely helps, then, that 1% of the population has 50% of the world's wealth and the 8 richest people have more cumulative money than the poorest 3.5 billion people combined. Some of them, out of shame or actual

goodwill, do take part in charitable activities but how's that working out? It's not like there's been a landslide change. Clearly, it's not enough. Why, Steve Jobs himself said that he was not one for charity. While he's nowhere near as wealthy as some of his contemporaries, it goes to show that people like him can and do exist. They may have all the success and by extension, money, in the world but they're not up for sharing it. All that, in the case of people who are always in the limelight and being questioned about charity. Among the less successful, we have so few who care. As it stands, they can't change as many lives as someone above them in social standing. Beyond that, they don't even try. To top it all off, we can't even leave it to those who care and hope it'll get better eventually. With the world in the state it is in, scientists have been dropping doomsday predictions like there's no tomorrow, quite literally. Stephen Hawking, for instance, gave humanity a deadline of 2059. That's generous considering the number

of ways life could just come to an end instantly. Most people are ignorant to such facts. Those who know them ignore them anyway. It disgusts me!" I was on the verge of losing my temper when Con smartly questioned, "Where are you going with all these facts and statistics, Yami?"

I realised I had just been stopped from flipping my lid. I calmly responded, "I mean that while I was alive, I really was into this whole Social Service thingy. I felt it gave me a purpose. To change lives. However, my own limitations became increasingly clear to me. I didn't think I would amount to enough, to cause the huge change I wanted to see. Sure, if I had stayed on, I might have changed a life or two. Still, on a cosmic scale, it would have been irrelevant and insufficient. It was a reason to live, until I knew that I was incapable of wonders. As my reasons to live dropped like bowling pins, it was so easy to convince myself to take such a drastic step. Sure, not without some initial hesitation but hey, here we are!" 🎉

Puzzle Answers

4. S (Can You Guess The Next Letter In The Sequence?)
5. Anchor
6. $666 + 66 + 6 + 6 = 750$

1. JUST ONE WORD
2. Breath
3. 667 (Numbers in the sequence are the product of two sequentially following prime numbers)



REWINDING...





Name: **RISHABH
JAIN**
Batch: **IPG-2015**

SOCIAL SCIENCES, BORING? AN ODE TO THE ROAD NOT TAKEN

48

I assume that most of you are hardly interested in revisiting those cramming days from the past, but I will request you to bear with me for a few minutes, and I shall not disappoint you. Though anyone can read this piece, I want those who want to change the world to create more equality and justice to give special attention to it.

When I passed my class 10th, I faced a big dilemma, whether to pursue the relatives-favorite science or the humanities stream. Being a mathematics loving student in class X and good at science, and seeing my friends leave for Kota and Delhi to pursue IIT-JEE, etc. were a handful of reasons that I was intimidated by science. On the other hand, was an option quite disreputable in my small city, arts. No one even called it humanities.

Also, like all of you, I hated social sciences in my class 9th, but due to a marvelous teacher in class 10th, I gradually developed a liking for this subject. But I was unsure of the options that I might have in the future with it. So, as a student of this institute, you know the option I took, and here is my ode to the road not taken. In my free time, I like to read about the well-intertwined trio of Politics, History, and Economics. All of them are dependent on each

other, and you cannot imagine and understand one without the other.

I will call this trio as PHE from now on. Well, PHE helps us understand people through their culture, thinking, and the choices they make. The case studies help us in promoting social justice, equality, and create an intellectual sense of the world. They also increase the analytical ability to solve subjective and complex problems with imperfect information. The view in such issues are often more than one-sided, and you can see a tradeoff between different aspects.

A person who doesn't understand economics finds himself on the blind side of the facts in political debates concerning growth rate, exchange rates, GDP, etc.

A person who doesn't understand history has very little to say about how to answer important issues which seem idealistic on paper without any prior knowledge of their application.

A person who doesn't understand political science, often lack the understanding of current affairs and has no way to use his skill to create an impact.

A CS person with knowl-

edge of all three can solve the trillions of dollars wiping events and also make a world of justice with the skills he possesses.

First, starting with economics - it is the study of people and the choices they make. It is a misconception that it is a study of money, wealth, and crony capitalism.

Here I pose some questions that often come into your mind as random thoughts. And believe me, economics can answer all of that.

1. Do you want to know why a packet of chips cost 20 rupees? Why not 19 or 21?

2. Do you want to know how the government sets taxes on different products and services?

3. Do you know why eating 1st Pizza gives you so much joy but eating another one just after that is such a drag?

4. Do you wonder why people are poor? Why are nations poor? How do they improve over time?

5. Do you know why farmers commit suicides when you only feel that you are paying too much for the vegetables?

6. Do you want to know why Rupee has such a bad exchange rate against the dollar? And what does it mean exactly?

7. Do you wonder why the

REWINDING...



United States is doing so much against terrorism and that too on foreign lands?

8. What sort of balance should we have for the betterment of people, letting free-market rule or providing some cushion to the home traders?

9. How is it decided which item is placed on what rack in a super-market?

10. And the most important one, given a fixed budget, how do you distribute that expense among your needs?

If you want to know the answers to all these questions, then, "duck-duck-go" the concepts of supply, demand, cost, benefits, opportunity costs, diamond-water paradox, incentives, marginal utility, etc. Also, if you want to get a head-start in a non-technical way, *The Undercover Economist* is a good read, and if you are not into books, you can start with *Crash Course Economics*. For diving into technical details, any decent MOOC will do.

Political Science and history go hand in hand as the politics of today is the history of tomorrow. I don't blame you for hating them in your high school. But I do blame the non-storytelling methods of teaching that has led to their impressions as learning dates, rules, and amendments of mundane things. Experts say that reading history is a must, as those who don't know history are doomed to repeat it. And I stand by it.

Enough of holy chants of PHE, I

would now like to give some practical advice. Often the branch of computer science is viewed as a tool to serve the rich and privileged with no social responsibility. But if you want to serve the society in general, the next paragraph is for you. So, what can we do now? Well, can we use our computer science knowledge to solve social sciences problem? The good news is that there are plenty of ways in which we can do this. Some possible problems/ projects that you can take on are:

General Computer Science:

1. The most significant limitation our country faces is the lack of structured data stored in digital format. Some companies have collaborated with the government to solve this problem by making software that can be used by any literate person with a few hours of training, e.g., Atlan. You can try your hands on making such software.

2. By running experiments with randomized control trials and studying their effects and consequences, you can significantly set utility values to different choices.

3. By running simulations on a computer, a decent enough model can simulate the effect of any public policy on a significant population. E.g., if the dollar exchange rate suddenly becomes 100 rupees, what impact will it have over the

exports and imports.

Data Science:

1. Building data science models to decide what features are the most important in determining a target variable. A good example will be, what improves the dropout ratio of students in a slum school, having a mid-day meal, or making girls toilets?

2. Do network analysis to identify the source of fake news. As we know that fake news is very abundant these days, you can then optimize the algorithm to make it both time and memory efficient.

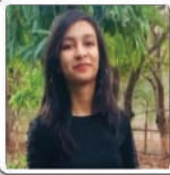
3. Detect hate speech content from social media and make the world a peaceful place. No more "PKMKB" and "The tea is fantastic" battles in the comment sections.

4. Character Recognition can help in digitalizing data of crores of people. You can try to digitalize something as simple as Ration Card from a hard copy.

A single article isn't enough to get you started on any of these, but I wanted to generate a little bit of curiosity in your mind around them. I hope I have done enough justice with your time. So, now I will like to rest my quill with the following quote from Mario Bunge. "Science is morally neutral, but social science shows us that some moral codes are better than others." 🙏

REWINDING...





Name: **SOUMYA AGARWAL**
 Batch: **IPG-2015**

IS SUICIDE COMMITTED OR DOES IT HAPPEN TO YOU?

Mental illness is a condition that affects a person completely. It is not just the change in behavior or mood, it is deeper than what we think of it. Sickness needs identification and treatment and the same is the case with mental sickness. Mental sickness comes with a stigma attached and even a small unknown action can aggravate the condition. A person suffering from mental illness is affected by even the slightest of things. And the worst part of dealing with this is not being able to express what you feel.

This brings us to handle some very crucial questions. We all are aware of what anxiety and depression are, but are we capable of dealing with such cases? It is not just the friends and family or the doctors that hold a responsibility.

Next time you read any news about the death of a person, make sure to concentrate on the headline of the news item.

“XYZ died of a heart attack” and “ABC committed suicide”. Is suicide committed or does it happen to a person?

Suicide is not a crime, it is death caused by a serious illness that goes untreated. A condition that our society refuses to recognize. You go to a doctor for treatment only if you know that you are ill. Now when you

see suicide as a crime, no question of treatment arises. Do you see where a change is needed?

A sensitive understanding is required when dealing with people suffering from mental illness. I felt really helpless when I could understand the situation a person was in but could not do anything to help.

There is an increase in suicide rates globally and especially in India, where 28% of the total suicides happen. On 10th of October 2019, World Mental Health Day was observed by World Health Organization (WHO) with the theme “*Working together to prevent suicide*”. WHO has urged the society to take part in “*40 seconds of action*” to raise awareness of the scale of suicide around the world and the role that each of us can play to help prevent it.

We have to understand that suicide is not a crime. Awareness and health literacy are two sides of the same coin. Stigma and discrimination are negative consequences of ignorance and misinformation. There is the attitude that these people are either crazy, possessed by demons, violent, out of control or unsafe.

Ask yourselves a question, if a loved one is experiencing some issues and you know for sure that they need to see a professional, do you know how to access the service? Awareness is needed and mindsets should be changed. We have to make people understand that it is OK to talk about suicide. It is important to make them understand that everyone suffers from ups and downs in life and that they can get better with time.

Every suicide is a tragedy that affects families, communities and has long-lasting effects on the people left behind. Suicide is seen as a leading cause of death among young aged 15 to 19. Mental health is a topic of grave concern among the youngsters who aren't able to cope with the extreme pressure and competition. It is time that schools and parents understand the depth of the problem and take steps to understand the child.

Media has the power to be a change and bring a change. World Health Organization recognizes the responsibility of the media reporting on the topic. Stay aware and spread awareness. Prevent it before it's too late 🙏



ADIEU



YASH KODESIA

College tenure has been one of the most transformative years for me as it is for everyone. Given right direction they can turn out to be very productive and propel you in the right direction for future. It's all about 3 P's: Peers, Perception and Perseverance. The terms Peers and Perseverance are self explanatory. But most important part is perception, you should always be in the driving seat of your career and life and create opportunities for yourself. There is no point in waiting for anything to happen to you. All in all manage your time well and also create some memories which you can't write in public. All the best for these 5 years of learning and foolishness.



DIVYA SINGH

It seems like yesterday when we were in first year, getting ready to attend Alam Sir's class at 9:00AM. A lot of things changed in five years, including our complete inability to reach class on time. Nicknames emerged and the real names were soon forgotten. But what remained constant was the never ending fun. The insults followed by laughters and the deadly PJs followed by insults. The late night movies which always ended with someone sleeping in the middle of it. The midnight talks followed by early morning snacks and the pending birthday parties that are still pending. These five years were a beautiful part of our lives and I am pretty sure we all are going to miss every bit of it.



HARDIK KHANDELWAL

From bidding other people good bye to saying our good byes, this journey has been as enthralling as any college life could have been. Looking back these past years, we see a journey full of memories where at every stop we experienced a variety of emotions all at the same time. Where working under pressure is a habit, making mistakes is not a set back and giving up is not an option. A toast to the most memorable and transforming phase of my life and I don't know a better way to say good bye than to quote how it all started: "Dream! Dream! Dream!, Dreams transform into thoughts, Thoughts result in action"



SAKSHI CHAHAL

Five years that seemed endless when I came here now look like the swiftest ones, as they have flown by and are about to come to an end. These years will be the most memorable years of my life and signing off from ABV-IIITM will not be easy at all. Every day here has been an empty canvas with infinities to create magic with. We could paint it whatever way we liked. It has been a perfect blend of joy, love, friendships and hardships as this place has given me lessons for life. To all the juniors reading this, I'd like to say that It's all about your place in the world; it's your life. Go on and do all you can with it. And lastly, no matter how much you hate college, you will miss it for sure when you leave.

ADIEU



PAVAN PRANEETH

I can't believe that it has been almost 5 years since we first entered this institute as young kids, and the most important thing to notice is how much all of us have grown through these years of academics, entertainment, parties, night outs and a lot more! It has been an amazing and thrilling journey, but as all good things come to an end, so is this. All I would like to tell my juniors is to make the best of their college life as these days will be the one you will remember for a very long time.



ABHINAV ANAND

These 5 years have been a roller-coaster ride for all of us. The memories we shared are countless and will be cherished for the rest of our lives. Each one of us coming from different backgrounds, cultures but now parting as family we learnt a lot about life. All those late night chats, games, parties, group studies will be missed.

Tomorrow we won't be together but the feeling that we'll be just one call away is what brings a smile to my face. Wishing you all the very best in your life ahead!



ANSHUL WARADE

It amazes us, from the freshman year to the final year, how we unknown strangers have become such good friends. We came to this college with a void in our heart as family time was slipping through our hands, but who knew, we were going to find a new family right in this institute. We laughed, we teased, we did many crazy things together and it would be really hard for us to see the end of this college journey. But bonds like this won't break easily, we will be meeting, we will be enjoying just like we used to.



MEDHA BOBBILI

No man can live alone. No man is an island. Even an oasis in the desert needs a tree by its side. During this course of life, I made friends who I can always count on. They knew me inside out. They are the ones who taught me to dream big and never give up and told me that victory doesn't favour the swift or strong, but goes to the one who just keeps moving along. They made my life easy in difficulties, who always tend to say "Do not be afraid, I am with you always". I can cherish some amazing memories in my life.



Name: SHUBHAM
BHATTACHARYYA
Batch: IPG-2016

Video games have always played a big role in my life. DAVE and Mario got me started right at the age of 5 destined to be joined by NFS, GTA and a couple of prestigious titles. Yes, my early vocabulary included “Boost” and “Attack” I remember when GTA came out. My Friends and I would spend hours and days trying to download it and cram up all the cheats. I’d spend entire days on my pc playing games and then figuring out how to make my experiences better. We had an Intel Core 2 duo and an Integrated GPU (god knows what a GPU was to me back then). This departure to the virtual world kicked me off into the universe of designs and hardware, and in the end, the pushed to do engineering.

Video games teach, spark imagination, challenge people, and connect people. Video games bring joy into people’s lives. On the other hand, much of my current field is filled with suffering - not necessarily my own suffering, but the suffering of my laptop with the heating issue of my GPU. I’m currently a resident technical artist aspirant who has somehow managed to push his hobbies into his engineering career.

In my college life span, I’ve heard too many parents talk

about their child’s bright future as a software engineer or my friends discussing coding and how to crack Data science or SDE intern. I’ve heard such a large number of disappointments of individuals not cherishing coding but eager to go through their next 40 years on it. I’m frequently reminded of how short life is. It’s too short to have a dream and not try to pursue it. In this way, I chose to make my fantasy about being a game engineer a reality, explicitly an artist (will go to that soon). In this article, I’ll share what I realized on my voyage up to this point, and a portion of the difficulties I confronted, bearing in mind the end goal of helping other people who offer this fantasy or rather a superior one.

Learning how to code:

So how did I get started? When I started college, I saw the craze for CSGO, NFS and later PUBG. Finally, after having an idea that I can literally draw and I’m crazy about marvel movies, I thought why not by one way or another blend my interests with tech!? I quickly became too busy to get into it. I left competitive coding alone because of sheer lack of interest(Yes, huge step,

although I did my basics). Hopping from field to field had given me a smart thought about python, CPP, and a couple of different languages. Youtube, being the biggest aid, helped me do a ton of activities from a ton of fields.

Two years later, my BTP came up and this group of 3 people chose not to be the standard, be one of a kind. The plans were to investigate something simple and new, subsequently the choice to go with AR. Like a good partner, I said, “Oh! Me too!” I opened up my laptop, found a few courses and downloaded everything. When I had introduced everything, the time had come to figure out how to code. Long story short, after 6-7 months of hopping on Hackerrank and Hackerearth alongside doing plenty of undertakings on different stages. I had some way or another turned into a normal engineer, the tad bit of interns and knowledge about android surely helped. Games being released, Nvidia coming up with tech, cutting edge illustrations, developer speakers were all over my feed, Their stories encouraged me. I learned the lingo. I gained from the mis-

REWINDING...



steps they had just made. I did all this during those dreadful days of the 4-5th semester. Managing my music, health and turning idle time into productive time, just kept working. The other thing that helped me learn more quickly was that I dove right in. I entered a hackathon (unintentionally) with only 13 days of AR experience. It was here that I found out about the AR world. It pushed me to make something so I could demonstrate to them. It made me need to continue making and sharing. As I made and shared, I got input and guidance from people around me. That's how I got better. That's how I got the crazy idea that I could make and release a game by myself with such limited experience even considering the fact that we never made it to the next level. It was a good push.

The Jump

Making my own first game had its challenges of making the art and writing the code. I improved with time, practice, and a lot of Googling. One technique I found helpful was to write things out in diagrams and in "pseudocode." The diagrams helped me visualize how everything would connect, and the pseudocode helped me stay on track with what I wanted my code to accomplish. From there, it was a lot of trial and error, and doing the process all over again. I found it challenging to process and implement people's feedback.

As I began to push into anima-

tion and game dev, I was being pulled away from generic coding and development. Understanding the way that the future won't be simple, I made certain of the way that regardless of whether I code and sack a 15 lpa+package, I won't be cheerful. Settling for happiness was a better deal for me as game dev allowed me to have something to show (artist cravings). One reason this was difficult was that I didn't know how to do what the game dev industry was requesting. Another reason was I had to compete with Art and Design institutes. I've heard stories of people giving up on their projects because they get overwhelmed with too many tasks and other stories about the lack of scope for game dev in India. I needed to remain inside my field and some way or another get an edge. Engineering i.e coding gave me that edge to incorporate my coding into art, hence Tech-Art. I wanted to make a career that I actually enjoyed. I imagine this will continue to be a struggle for me and any game developer/designer. During this process, I also realized that a lot of the hurdles came from within.

When working on my own project, by myself, it's easy to get lazy and get distracted. It's easy to just stop working on something and say it's "good enough". It's just as easy as

spending way too much time working on something that "isn't good enough". What I found helpful was to make deadlines for myself and to write out goals for each block of time I had to work on my game. The biggest internal challenge, one that I imagine I'll continue to face, is "impostor syndrome". At multiple points in this process, I'd ask myself, "Who am I to make and release a game?", at those moments, the dreams helped. A small dream to see your name with a renowned game company or perhaps at the credits of a famous movie. I wanted to level up right then, despite the fact I had put in the work to complete the project, I wanted more. The sheer hard work and sincerity of a few people in my life, their inspiration and commitment were at another level, a couple of years more youthful than me, yet so proficient. Seeing them I got my lift, to never stop. Continue working until being sufficient isn't adequate.

The shape of my future?

I don't have any great placement story (yet), not even an intern story. Nor do I have any achievements in some very cool hackathon. What I have is my obsession, interest, and craziness. Taking an alternate way, a way towards my enthusiasm has consistently been my objective and exploration has without a doubt helped me

REWINDING...



ABHISHAR V9.0 | LIFESTYLE



has without a doubt helped me discover it.

My aim here was to not tell you how to make a game but to give an insight as to how there is always a way to make what you love, a part of your life. Engineering has its vivid options to offer, provided you look for it. Ask yourself, if you do this would you be happy doing what you do for the next 30 years?

Is that a yes? Or you're stuck at a place where you can't seem to fi-

gure out what to do with your passion. I'd recommend pause, have tolerance, simply accept the way things are and explore. It will take a strong 4-5 months of restless evenings and pondering, all things considered, it's for your whole life. However, the final product will without a doubt be justified, despite all the trouble.

My exploration helped me find the cool name of Techni-

cal Artist and I'm doing everything I can to become one. And let's say if all goes well for me, In the future, while you try my games out, I'll continue building my skills to move toward those goals that impacted me so much throughout my life.

Thank you for reading, happy coding.

Hakuna Matata 🍌



Amit Singh
IMG-2018

ॐ
दीवाना
का
काँटों का
मैं



जो धार नहीं रुकती है चट्टानों से भी।
सागर केवल उसका अभिनन्दन करता है॥

कागज़ की बनी नाव केवल दो क्षण पानी पर चलती है।

जो बिना तेल जलती बाती वह केवल दो क्षण जलती है॥

तूफान उमड़कर जब चलता, बुझ जाते अनगिन दीप जले।

जो जलते केवल जलने को वो दब जाते अंधियार तले॥

जो दीप नहीं बुझते तूफानों में भी, उजियारा उनकी बाती बनकर जलता है।

जो पाँव नहीं रुकते व्यवधानों में भी, पर्वत केवल उनके आगे ही झुकता है॥

जो प्यास नहीं बुझती है मिट जाने पर भी। अमरत्व केवल उनके ही अधरों को मिलता है॥

चलना गिरना फिर से चलना, उन्नति सोपानों का क्रम है।

चलते चलते ही मिट जाना, जीवन का संगम है॥

उसका पौरुष ही पुण्य धाम, जिसकी सांसो में तीरथ है।

जिसमे निश्चय का तेज पुंज, गंगा का वही भगीरथ है॥

हर लक्ष्य उसी के लिए बना, जो तप करता विश्वासों का।

हर फूल उसी की माला है, जो दास नहीं मधुमासों का॥

जो साहस का प्रतिबिम्ब न दे, वह केवल दर्पण का पट है।

जिसके अधरों पर प्यास नहीं, वह पनघट केवल मरघट है॥

मुझको फूलों से प्यार नहीं मैं काँटों का दीवाना हूँ।

मैं जलने वाला दीप नहीं जलने वाला परवाना हूँ॥

सुख हो, अधरों को प्यास नहीं।

दुःख का मन को आभास नहीं॥

आशाएं सब पूरी होंगी,

ऐसा मन को विश्वास नहीं॥

मैं जीवन को सुन्दर बुनता कर्मों का ताना बना हूँ।

जो बन न सके वह धारा हूँ, जो उठ न सके वह पारा हूँ॥

मानवता प्रेम शांति के महाक्रांति का नारा हूँ।

जिसको न रोक पाए पर्वत ऐसा रही मस्ताना हूँ॥

मिट जाऊ ऐसा बीज नहीं, बिक जाऊँ ऐसा चीज नहीं,

सबकी मनचाही जो कर दे वह तांबे की ताबीज नहीं॥

मैं अपनी मस्ती में डूबा अनगाया एक तराना हूँ॥

REWINDING...





Name: **AITIK
GUPTA**
Batch: **IMT-2018**

I know. Pretty weird topic for a tech-magazine, right?

And why is it in Abhivyakti, isn't this section supposed to contain social issues? To quote myself in my own article (yes, please don't mind :p), "*Why have I come up with such a weird unconventional thought? That is the point of this whole article.*"

Now that you're reading this, it's my job that I make this as attractive as I can because come on, it's an article! *People lose interest here faster than Usain Bolt in his Ferrari!* :D

Here's where I'd ask you to get this in your mind:

Invest Time.

Invest time reading this article, because I'm convinced I lost 30% of my audience when they read "Invest Time"... **Dekho aa gaya gyaan dene**

But if you're still reading this article, this article is for you. :) Having no state-quota, this institution provides a platform for very assorted background students. This certainly would be one of the hot topics for some freshers to discuss, "Mai na, apna state college chorke aaya hu (:O)".

It doesn't matter; you're still reading this article published by this institution, aren't you? My point being, begetting such a wide variety of cultures, faiths, economic statuses, we

all have one thing in common; of that, I'm pretty assertive.

We don't know our parents.

We simply don't... I can feel many readers developing counter-contentions that they know their parents very well, their struggles, and their hardships, too!

But I just stated otherwise.

Why have I come up with such a weird unconventional thought? That is the point of this whole article.

Most of us judge what is right and wrong. It's one of the prime things we eventually learn. Quick question: How many of us can, at this point in time, manipulate our parents in our favor to make them do something for us? If you answered yes, you know what I'm talking about. :P

And if you answered no, let me summarize:

We wanted a bar of chocolate as a child, we wept for it. We wanted a smartphone, we implored for it. We wanted permissions for night-outs, we bid for it.

Over time it became sort of a thing, didn't it? Many of us, while fostering, kept re-evaluating when and how certain events should've/could've happened if only our parents acted the way we

wanted them to.

If I'm making a slender sense to you, I'm sure I'm writing *this* for you.

Here's the thing; In our lows (generally when we overthink stuff)," If I'm ever going to have a child, I'll do this, or that particular thing better.", we think.

"I'd fill in the voids where my parents lacked in raising me."

In other words, we think we'd act in a way our parents should have but obviously, didn't.

And believe it or not, *more people have gone through this thought than you think.*

And herein exactly lies my point which everybody will concede right when I give it away.

"I'll make sure my children have everything they need. Where my parents lacked, I will suffice. I will be a better parent for my children."

"But I would, eventually, fail."

"I would eventually fail, because didn't my parents have the same audacity, the same will, the same enthusiasm for me? And yet somehow I'm holding them for accountable for lack of certain qualities I anticipated from them?"

New generations might



require new formats of parenting and you could be underfitting to the generation-gap. Somehow even when you would want to deliver to your children a good lifestyle, it could turn out to be not the best one. ;) Your children might feel the same, you would fear. It might be too soon for some of my audience to surmise this. Or it might be too late for some. I, as the author, fear that. You know now precisely the point of this article, this issue needs to be raised, and people need to realize this. Because sooner or later, most of us will end up being parents, sooner or later, **we're going to fail.**

And that's what we don't know about our parents. They failed even while being victorious; that you can perceive and get this very well. They successfully gave their best in raising us, failed yet. Why? Us feeling the need for better outcomes, better productivity, better thought processes, better *anything* from our parents..

That is precisely where they might think they lacked behind, where they might feel lost. And I feel this thing becomes static when you ponder over it.

I'm not asking you to now reach out to your parents, real-

ize their worth, appreciate them for all their efforts, thank them for shaping you as you. Because then I'd be preaching. But I'm not.

This is just an article to get you up and running about the thought of failing, even while succeeding.

An article which lets you mend it in your way, understand it in your way, **fail, in your way.**

I hope the 5% audience who actually gives in to read the whole article understands the worth of investing time and the worth of *failing* as a parent. :) 🎉

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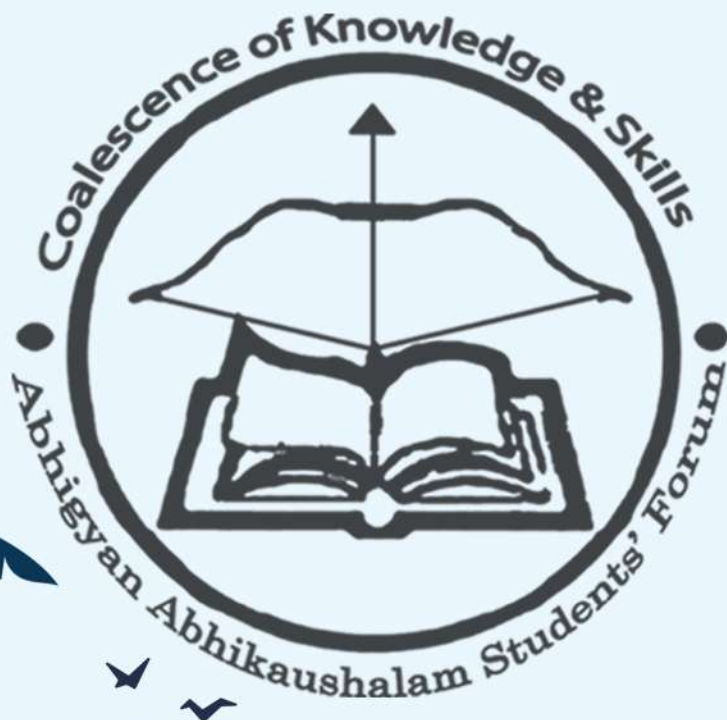
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