



# SRIJAN'14

## VOL. IV

Department of Computer Science  
University of Delhi



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## Message from the Faculty Advisor

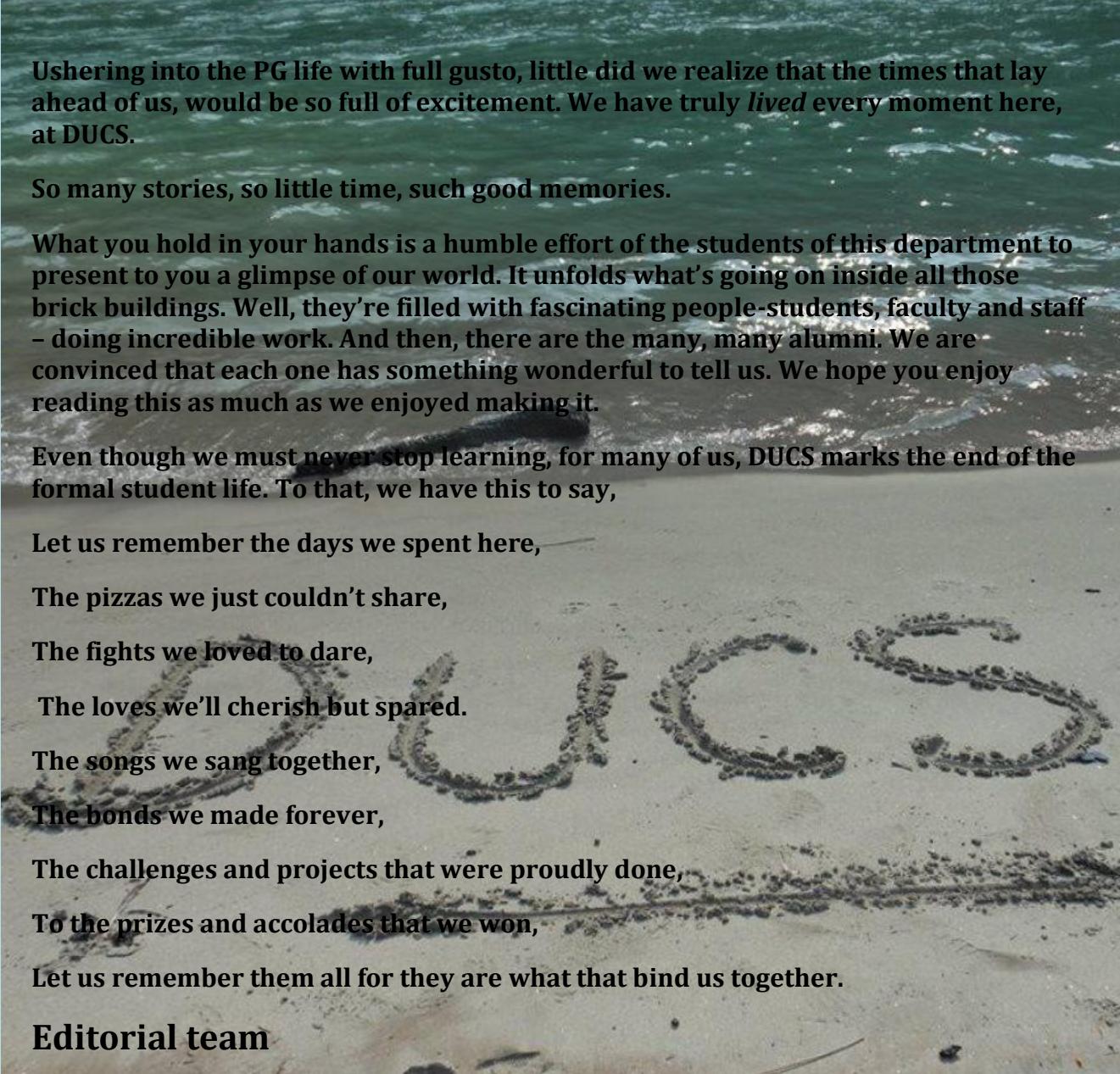
It is a matter of great pleasure for me and the Department of Computer Science that the students of our department are launching the fourth edition of the magazine 'Srijan' both online and in print in the 10th year of Sankalan. I am delighted to put on record that the students not only have received a number of awards at various national and international events but have also been placed in companies across India and abroad, including research institutes of international repute, ever since the first batch of MCA students came out in 1985. The students of the department are now making an effort to reach out to the external world by the way of **Srijan**. It serves as a platform of expression for their ideas and thoughts.

I would like to congratulate Team **Srijan** for putting in a lot of hard work and wish the magazine a grand success.

Dr. Sunil Kumar Muttoo  
Head

*"We are just an advanced breed of monkeys on a minor planet of a very average star. But we can understand the Universe. That makes us something very special."*

*~Stephen Hawking*



**Ushering into the PG life with full gusto, little did we realize that the times that lay ahead of us, would be so full of excitement. We have truly *lived* every moment here, at DUCS.**

**So many stories, so little time, such good memories.**

**What you hold in your hands is a humble effort of the students of this department to present to you a glimpse of our world. It unfolds what's going on inside all those brick buildings. Well, they're filled with fascinating people-students, faculty and staff – doing incredible work. And then, there are the many, many alumni. We are convinced that each one has something wonderful to tell us. We hope you enjoy reading this as much as we enjoyed making it.**

**Even though we must never stop learning, for many of us, DUCS marks the end of the formal student life. To that, we have this to say,**

**Let us remember the days we spent here,**

**The pizzas we just couldn't share,**

**The fights we loved to dare,**

**The loves we'll cherish but spared.**

**The songs we sang together,**

**The bonds we made forever,**

**The challenges and projects that were proudly done,**

**To the prizes and accolades that we won,**

**Let us remember them all for they are what that bind us together.**

**Editorial team**

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brain man

# $\pi$ = Everything



**Saurabh Garg (M.C.A 2<sup>nd</sup> year)**

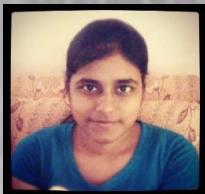
Pie. It's that  $22/7$  thing, right? You probably remember pie as the entity used in the formula for calculating the circumference of a circle. For me personally, it was the first time I used pie and the last time too. Nerds and mathematicians probably remember pie using this line- "Cosine, secant, tangent, sine, 3.14159". Jokes apart, can you think of a number less impressive than pie? It's a known fact that it is a non-terminating non repeating decimal number. But, it's not like "0.10110011100011110000...". Pie is more impressive than that. In fact pie is everything, literally! We know that pie is like any other non-terminating, non-repeating number, which means that if you ever try to write down pie on a paper in decimal notation make sure you have a lot of paper because it just won't end! In fact writing down pie will take up infinite amount of paper which implies that you'll end up cutting down all the trees of this planet and yet not be able to fit it in. In fact the whole universe won't be able to fit it in. And because in the case of pie, numbers are most uniformly randomly distributed there is no chance of a shortcut to knowing them all as well.

This means that, though you could never really calculate the exact circumference of any circle using that formula, but here is the business end, if it is not strange enough that the whole universe cannot contain pie, hold on to this: pie can indeed contain the universe because pie is an eternal sequence of numbers, on a long enough scale, it contains all possible sequences of digits. And if you are into Computer Science, you know that the most complex codes are nothing but sequences of digits. So, for example, in some sequence of a pile of numbers, pie may contain a sequence of numbers that resembles a code to add two numbers. Similarly, search through the sequence of numbers in pie and eventually patterns will form. Inside a sequence of a thousand zillion digits, you might find the code of a dog or a pizza. Search it long enough and you will find the code of the whole universe. Thus, pie is a dog. Pie is also a pizza. Pie is also you eating a pizza while looking at a dog. In short, pie is everything (this article too)!

*"Pi is not just a collection of random digits. Pi is a journey; an experience; unless you try to see the natural poetry that exists in pi, you will find it very difficult to learn"*

*- Antranig Basman*

## EMULATING THE HUMAN INTELLIGENCE



**Compiled by: Tulika Singh (M.Sc., 1<sup>st</sup> year)**

*There are many miracles born out of the curious and innovative human brains that leave us perplexed about the extent to which we can advance towards making the things come alive that were once considered a mere figment of imagination. Diving into the arena of innovation many attempts are being made towards developing the systems that can think and act rationally, just like humans. But there still exist many areas where we would like to test the applicability of the ideas of artificial intelligence.*

*So what is AI capable of? Will "The Terminator" finally be a reality? Is there a faceoff between man and the machines in the offing! Read ahead to find the answers.*

**Idea:** Will AI programs be virtually identical to people. Won't there be any differences?

**Argument:** Probably the differences between AI programs and people will be larger than the differences between most people. It is almost impossible to imagine that the "body" in which an AI program is housed would not affect it deeply. So unless it had an amazingly faithful replica of a human body-it would probably have enormously different perspectives on what is important, what is interesting, etc.

**Idea:** Could you "tune" an AI program to act like me, or like you- or halfway between us?

**Argument:** No. An intelligent program will not be chameleon-like, any more than people are. It will rely on the constancy of its memories, and will not be able to fit between personalities. The idea of changing internal parameters to "tune to a new personality" reveals an underestimation of the complexity of personality.

*"By far, the greatest danger of Artificial Intelligence is that people conclude too early that they understand it."*

*- Eliezer Yudkowsky*

**Idea:** Can a computer program ever write beautiful music?

**Argument:** Yes, but not soon. Music is a language of emotions, and until programs have emotions as complex as ours, there is no way a program will write anything beautiful. There can be "forgeries"- shallow imitations of the syntax of earlier music-but despite what one might think at first, there is much more to musical expression that can be captured in syntactical rules.

**Idea:** Can we allocate special locations in memory which will store parameters governing the behavior of the program, such that if you reached in and changed them, you would be able to make the program smarter or more stupid? In short, would you be able to "tune" the program by fiddling with it on a relatively low level?

**Argument:** No. It would be quite oblivious to changes of any particular elements in memory, just as we stay almost exactly the same though thousands of our neurons die every day. There can be no "magic" location in memory where, for instance, the "IQ" of the program sits. That can be a feature which will emerge as a consequence of lower- level behavior, and nowhere will it sit explicitly.

**Idea:** Can a chess program be developed that will beat anyone?

**Argument:** No. There may be programs which can beat anyone at chess, but they will not be exclusively chess players. They will be programs of general intelligence, and they will be just as temperamental as people.

"Do you want to play chess?"

"No, I'm bored with chess. Let's talk about something else".

That may be the kind of dialogue we could have with a program that could beat everyone.

**Idea:** Can AI programs ever become "super intelligent"?

**Argument:** It is not clear whether we would be able to understand or relate to "super intelligence", or if the concept even makes sense. For instance, our own intelligence is tied in with our speed of thought. If our reflexes had been ten times faster or slower, we might have developed an entirely different set of concepts with which to describe the world. Although if we ever do reach the level of human intelligence, super intelligence will undoubtedly be the next goal.

"The question of whether computers can think is like of whether submarines can swim."

- Edsger W. Dijkstra

# **TECHNOLOGICAL BREAKTHROUGHS OF 2013**



**Compiled by : Ruchika Garg (M.Sc. 1<sup>st</sup> year)**

## **1. Google Glass**

Google shocked the world by announcing its ground breaking wearable tech device in 2012, but members of the public finally got their hands on Google Glass in 2013. Singular in its category, the connected glasses represent a new front in how deeply we can expect to integrate electronics into our everyday lives.

## **2. Touch ID**

When Apple announced its iPhone 5S in September, it came with one innovation -- a system called Touch ID that scans your fingerprint to unlock the phone when you gently touch the home button.

The finger-reading technology promised a new level of ease previously seen almost exclusively in spy movies.

## **3. Elon Musk's Hyperloop**

Entrepreneur Elon Musk in August unveiled the alpha design for his wildly futuristic Hyperloop high-speed transport system.

If successful, the system will transport people at 800 mph, meaning it would be possible to make the approximately six-hour trip from San Francisco to Los Angeles in about half an hour.

## **4. Xbox One**

Microsoft released the Xbox One in November, ending years of angst for gamers who had been stuck with the Xbox 360 since 2005.

The Xbox One features a smooth Kinect integration, which reads users' body motions and hand gestures to help bring gaming, streaming video and live TV all under one powerful umbrella.

*"Any sufficiently advanced technology is indistinguishable from magic."*

*-Arthur C. Clarke*

## 5. Selfies in Space

The selfie (self-portrait photograph) got its own social network, called Shots of Me, and was named Oxford Dictionary's "Word of the Year".

But no one took selfie-mania as far as the company Planetary Resources, which used Kickstarter to fund a telescope that will deliver you a selfie from space.

Submit a shot of yourself and what you'll get in return is a selfie with the Earth and outer space providing one heck of an epic backdrop.

## 6. The Smartwatch

After its record-setting Kickstarter campaign, the much-anticipated Pebble smartwatch was finally shipped in January. And it has plenty of competition now!

The smartwatch emergence in 2013 matters as an interesting reference point -- will they eventually reach the smartphone's level of ubiquity?

## 7. Oculus Rift

The Oculus Rift virtual reality gaming device fits directly over your head for immediate transportation to immersive digital worlds such as the *Titans of Space* and the *Rogue System*.

Its games are still in the earliest stages and fairly rudimentary, but we got a hands-on in May and came away impressed!

*"Men have become the tools of their tools."*

*-Henry David Thoreau*



*Expressions*

## जीना है मुझे, जीने दो मुझे!



**Neelam Rohilla (M.Sc. I<sup>st</sup> year)**

जीना है मुझे, जीने दो मुझे !

जी करता है कि उड़ जाऊँ,

उड़ जाऊँ इस खुले आसमान में,

लगा के पंख, पंख लगा के ।

पर लगी हैं कई बंदिशें मुझ पर !

क्यों? क्योंकि हूँ मैं एक नारी,

नारी जिसकी कहानी लगेगी हर किसी को जानी पहचानी ।

जीना है मुझे, जीने दो मुझे !

तोड़ कर अपनी इच्छाओं का घरोंदा,

मैंने नहीं किया कोई भी पल अपना ।

फिर भी, फिर भी,

बुनकर अपने सपनों का ताना-बाना,

चाहती हूँ मैं हर फर्ज निभाना ।

जीना है मुझे, जीने दो मुझे !

ना देकर मुझे कोई अधिकार, खोया नहीं ना केवल मैंने,

खोया बहुत कुछ तुमने भी ।

अरे ओ ! समझने वाले खुद को इस समाज के सरदार,

जीना है मुझे, जीने दो मुझे !

शून्य नहीं हूँ मैं, नहीं हूँ मैं शून्य,

यदि मैं नहीं तो, शून्य है सब कुछ !

शून्य है यह ज़मीन, शून्य है यह आसमान,

शून्य है यह सारा जहान !

शून्य है घर का हर एक कोना,

क्यों? क्योंकि मुझसे ही तो है सब कुछ,

सब कुछ मुझसे ही तो है !

इसलिए जीना है मुझे, जीने दो मुझे !

पर अब और नहीं सहँगी मैं,

क्यों? क्योंकि मुझ मैं भी है आत्मसम्मान,

कर सकती हूँ मैं भी हर वो काम,

कर सकता है जो कोई भी इंसान ।

जीना है मुझे, जीने दो मुझे !

चाहती हूँ मैं एक ऐसा समाज,

जो कहे मुझसे यह आज

कि हर पल को अपने मुताबिक,

जी ले ज़रा, जी ले ज़रा,

इस खुले आसमान मैं पंख लगाकर,

उड़ ले ज़रा, उड़ ले ज़रा ।

जीना है मुझे, जीने दो मुझे !

“हर आंगन की शोभा नारी, उससे ही बसती है

दुनिया सारी ! ”

## SUCCESS STORY



Isha Singhal (M.Sc. 1<sup>st</sup> year)

I am very ambitious,  
Believe in reality, not fiction.  
I want to prove my mettle,  
In this competitive world's battle  
But, I always face a failure,  
Reason may be source, tension or fear.  
I lack concentration,  
Which further moves me a step away  
From my destination.  
Still, there's a corner in my heart  
Which consoles me and asks me to work hard!  
It tells me there are many falls on the ladder of success.  
So, why not keep this as our success tip-  
Never be afraid and leave out things.  
But, try to rule this world with a brilliant wing!  
Then, after listening to my heart,  
My interests get rejuvenated.  
And I start again with zeal to succeed!

*"Success consists of going from failure to failure without loss of enthusiasm."*

*-Winston Churchill*

# जौश



Sachin Sharma (M.Sc. 1<sup>st</sup> year)

ना ले किसी का सहारा तू,  
तू खुद ही अपना सहारा है ।  
ना बाँध खुद को सीमाओं में,  
तू खुद ही अपना किनारा है ।  
माना कि मुश्किल है राह मगर,  
वो जीत ही क्या जिसे जीता ही ना हो !  
हार को अपना शिक्षक बना तू,  
जीत को अपनी आदत बना,  
अनगिनत गुमनाम चेहरों में,  
तू खुद की एक पहचान बना ।  
ना दिखे जो कोई राह अगर तो,  
तू खुद की अपनी राह बना ।  
जो ठान ले तू, तो क्या मुश्किल है,

तू खोल ज़रा आँखें अपनी,  
फिर देख कहाँ दूर मंज़िल है !  
हों लाख तूफ़ां तू आने दे,  
ज़रा सीने से टकराने दे,  
फिर देख कि तुझमें कितना दिल है-२ !  
है वक्त की इतनी हिम्मत नहीं कि  
फिर तुझसे वो टकराएगा,  
है सूरज में इतना तेज नहीं फिर  
वो खुद तुझसे जल जाएगा !  
तू पेहचान ले खुद को तो क्या बात है फिर,  
किस्मत भी तेरे साथ है फिर,  
है नहीं दूर मंज़िल फिर तेरी,  
बस चंद कदमों की बात है फिर !

“लहरों से डरकर नौका पार नहीं होती, कोशिश करने वालों की कभी हार नहीं होती ।”

- हरिवंशराय बच्चन

# Think Positive



**Garima Gupta (M.Sc. 1<sup>st</sup> year)**

Think of everything the positive way,

Like, today is going to be a great day.

You can handle more than you think you can,

To ‘no’, ‘never’ and ‘impossible’ put a ban.

You can be satisfied if you try to do your best,

Think of this line before setting out of a quest.

There’s always something to be happy about,

From your mind, remove every doubt.

I am going to make someone happy today,

Is what you should say at the beginning of the day .

It is not good to be down in the dumps,

For, in life, there are rides which are full of bumps.

Life is great; make the most of it,

Be an optimist, to enjoy it bit by bit.

*“In order to carry a positive action we must develop here a positive vision.”*

*-Dalai Lama*





# SKIT '13







## अधूरी-सी ज़िंदगी में तेरा आना अभी बाकी है...



**Mayank Dargan (M.Sc. 2<sup>nd</sup> Year)**

बोला तो बहुत कुछ,  
अभी ज़ज़बात बहुत बाकी हैं।  
आँखों में नज़र आती हैं बहुत-सी बातें,  
बहुत-सी मुलाकातें अभी बाकी हैं।  
बातें हैं बहुत अनकही-सी,  
लेकिन अभी रातें बहुत बाकी हैं।  
दिल में जगह है बहुत,  
तेरा आना अभी बाकी है।  
पाया तो बहुत है ज़िंदगी में,  
तुझे पाना अभी बाकी है।  
हँसा तो बहुत हूँ मैं,  
तेरे चेहरे की हँसी का एहसास अभी बाकी है।  
सपनों में देखा था साथ अपना,  
वो आशियाना बनाना अभी बाकी है।  
राहों पर निकल चुके हैं बहुत आगे,  
बहुत-सी मंज़िलें अभी बाकी हैं।  
साँसें तो लेली हैं बहुत,  
लेकिन धड़कनें अभी बहुत बाकी हैं।  
तुमसे मोहोब्बत करने का खवाब देखा है,  
उस खवाब को हकीकत बनाना अभी बाकी है।  
मौत भी आ जाए तो दो पल रोक लेंगे,  
तेरा रूह में समा जाना अभी बाकी है।

"एक प्रेमयुक्त हृदय हर ज्ञान का प्रारंभ है।"

# RICHES in RAGS



**Deepika Goel (M.Sc. 1<sup>st</sup> year)**

If the world is cold, I will conduct heat;  
Even the warmth is sold in the noises of streets.

I am born, and that's the truth;  
Because the leading is lorn when the following is ruth.

I have a heart, that commands affection;  
But reality is smart, to carve dissatisfaction.

In the city glee, I see faces that are pale;  
When mine they see, in shock they hail !

Weakened at riding this world,

I stand to fall in one, two, three;  
But, I straighten the curled that remains struggled in plea.  
The humans who hold me, have changed my whole person;

Unlike before,

I trust everyone more often.  
Smiles have grown larger at face,

I've grown to brightness;  
Changing the color of my days,  
Co-humans are down to my subtleness.  
Drop the tensions of sparing me share,

Just a regard will bless;  
My screams are meek and bare,  
Demanding the dignity of a mistress.

*"The only way to find true happiness is to risk being completely cut open"*  
*-Chuck Palahniuk*

## ग़मों से गिला नहीं...



Harshita Joshi (M. Sc. 2<sup>nd</sup> year)

खुशियों के फूलों-सी महके ज़िंदगी,  
जिसमें गम के काँटे ना हों,  
होती है यही चाह सभी के मन में,  
पर ज़रा सोचो, यूं ही सदा रहे  
तो ज़िंदगी, ज़िंदगी ना कहलाती,  
एक ही रंग में रंगकर, कितनी नीरस-सी हो जाती !

ग़मों की दस्तक से ज़िंदगी को नये मायने मिलते हैं,  
दर्द के एहसास से जीवन के नज़रिये बदलते हैं |  
हारे नहीं, तो जीतने में मिठास कहाँ ?  
कुछ खोया ही नहीं,  
तो जो पास है, उसकी एहमियत कहाँ ?  
जीवन-पथ पर गिरना किसे है भाता ?  
पर गिरकर उठने वाले को ही तो जीवन सलाम करता !  
यदि आँखों से अश्रु बहे नहीं,  
तो क्या बरसात के बाद इन्द्रधनुष खुशी दे कभी ?

फिर क्यों है हमको गिला ग़मों से ?  
क्यों जीवन से सिर्फ खुशियों की आस लगाई ?  
सुख-दुख के अनमोल मेल से ही,  
खूबसूरत बनती है ज़िंदगी हमारी |

"ये राहें ले ही जायेंगी मंज़िल तक हौसला रख, कभी सुना है कि अंधेरे ने सवेरा होने न दिया?"

## THE SECRET AGENT



**Trisha Chatterjee (M.Sc. 2<sup>nd</sup> year)**

It was way past midnight, but Nicole had no intention of going back home. She was not really enjoying the music. Neither was she dancing her night away. It was a quiet corner that she had picked that night; a spot which gave her the complete view of the club and the people having fun in it, yet put her in everyone's blind spot. Her social interaction was so limited that at times Nicole wished she was a secret agent working on some classified case undercover. It was not that she did not enjoy the company of a second human soul; she would rather kill to have one. But somehow she was unable to muster up the courage to approach one. Maybe it was the same reason why she was still single. But that night, destiny had something completely different in store for our Nicole.

Nicole was observing a group of friends who were planning to do something unnatural when suddenly she heard a male voice right beside her. She looked up on her left completely taken aback. She was observing the group so closely that she missed the man walk up to her from...she did not know where.

"EXCUSE ME..." the man raised his voice, "...miss, can I join you?"

"Umm...oh yes...umm certainly...umm why not?" Nicole stuttered.

"Allow me to introduce myself, I am Ryan Wright. I hope I am not interrupting something."

"Umm...absolutely not...I was about to leave...my date did not show up" Nicole lied. "I am Nicole Davis by the way, nice to meet you Ryan."

"Oh...I am so sorry...well we are two unlucky flies in the same soup. I am sorry...even I don't know what that was..."

Nicole laughed, in spite of the fact that she was utterly disturbed by that nonsensical metaphor.

"Allow me to buy you a drink."

"No," said Nicole, "I don't drink."

"Not even a hot chocolate?"

Nicole was stunned! How did he know? "I love hot chocolate" she beamed.

"Then let's get two" Ryan smiled back.

They hit it off perfectly. The three hours at the club and the one hour walk back to Nicole's apartment turned into months and eventually years of seeing each other. On the night of September 14th 1997 Ryan asked Nicole to marry him. But before an ecstatic Nicole could reply with a teary yes, Ryan stopped her.

"Before you answer, darling, I want you to know something. As you are about to be a part of my life, I do not want to hide anything from you. You cannot talk to anyone about this, and I want to be absolutely sure that you have no second thoughts about us being married. You have to take this secret to your grave. Promise me that honey."

*"The world is full of obvious things which nobody by any chance ever observes."*

*- Sherlock Holmes*

Nicole answered with a bewildered and yet firm yes.

"I am a secret agent" said Ryan.

Nicole's face reflected shock as well as excitement at the same time. Nicole Davis, who had a hard time talking to anyone, was getting married! As if that was not amazing enough for her that fate gifted her with a secret agent for a groom! Her life was finally turning out to be as exciting as others'...oh wait...way more exciting than others'!!

Nicole almost turned the table over in her excitement! All she could tell Ryan was "YES YES YES", and nothing more.

It was about a year after their marriage that Nicole came across one of Ryan's classmate at primary school. She was way too friendly with Ryan. None of Ryan's friends had ever been so friendly before, and Ryan introduced the girl, Alicia, as just a classmate, not even a friend. They were chatting about school experiences when suddenly Alicia said, "Hey Ryan! Remember, once you lied that you had a twin brother? You said you two went to different schools and sometimes visited each other's school. You said the two of you brushed your hair differently, remember?"

"Yes" Ryan laughed. "I said that I brush my hair with a side partition and Bryan back brushed it. Funny I even remember that name. My mother finally gave me away" Ryan smiled notoriously.

"You really said that you had a twin?" asked Nicole on her way back home.

"Yes" smiled Ryan, "I sometimes enjoyed fooling the other kids. They even bought my lies as a matter of fact. Once I told them that both my parents were admitted at the hospital and they might not be able to survive. They believed that too" smiled Ryan with that same notorious looks in his eyes.

"Should I be bothered about Alicia? She was way too much friendly with you. No other friend of yours had ever been so friendly with. As a matter of fact I thought you did not have any good friends"

"Oh no no no! Are you jealous honey? There is absolutely no reason for you to worry about anything! Alicia is overfriendly with everyone", and so Nicole let it go.

Two years later Nicole and Ryan were returning home from a mall. They were in the lonely parking space and were about to get into their car when suddenly a man rushed towards them with a gun.

"Step aside! Both of you! Hand me the key!" he shouted.

"Ryan do something!" screamed Nicole. "You should be used to this" she stammered seeing that Ryan was scared and was actually stepping away.

"Yes...yes..." paniced Ryan.

"No one comes near me...or I will shoot!" screamed the man.

"RYAN", screamed Nicole.

"Keep quiet Nicole" Ryan was hysterical "We will not do anything sir" he said with his hands over his head.

"Give me your keys" ordered the stranger.

"I can't find it" said Ryan, searching the pockets of his coat.

"Hurry up!" shouted the man. Seeing the delay he came close to Ryan and pointed the gun at his forehead.

Searching hysterically all over his body, Ryan suddenly got hold of the man's gun hand and took his gun with a jerk. Then suddenly he pointed the gun at the man and in no time shot him point blank three times at his forehead and face.

*"We all live in suspense from day to day; in other words, you are the hero of your own story."*

*-Mary McCarthy*

Blood splattered all over his face and Nicole screamed hysterically. Ryan screamed at her to calm down and asked her to get into the car quickly. When inside the car he called someone up and told that person that the job was done and asked him/her to ask the police to arrive at the spot and take away the dead body. After that he started driving away as fast as he could. Still in a state of shock Nicole asked "Who was he...that guy you killed? And who was on the phone?"

"Job" replied Ryan curtly. "Remember, I do this."

"But your aim...it was not that good...you shot the man all over his face...you were so scared..."

"Nicole, calm down darling. That was all part of the plan. Besides you were there with me. My job had never before interfered with my personal life. Do not talk about this to ANYONE Nicole, no one should know!"

Nicole was not sure whether she should be excited as before to be a secret agent's wife or not. She kept quiet. She would never be able to forget what she had witnessed.

The next morning Nicole wanted to skip work, but Ryan was insisted that they lead their life like nothing had happened. She would have to get used to it were his exact words.

It was around 3p.m. that Nicole received a call from a certain inspector David Young who asked her to report to the North shire Police Station. When she arrived there, she saw Ryan sitting in a glass chamber, his hands tied in a handcuff. Nicole was asked if she knew why her husband was driving above speed limit the last night and why he did not stop for red signals. Nicole was puzzled.

"You arrested my husband because he broke traffic rules? Does that not come with his job?"

"What job?" asked the inspector.

"Umm...don't you know? Please make call the people you need to for his identification! He is a secret agent for God's sake!"

"Who told you that ma'am?"

"My husband! He made a call from his phone after that happened. You can verify that from whomever it was that he called."

"After what *happened*, ma'am?"

"The...the shootout...why are you so clueless? What is going on?"

"THE SHOOTOUT? At what time did *that* happen ma'am?"

"At about 10p.m....I don't exactly remember..."

"Ma'am, your husband did not call anyone that night. We have gone through his phone records. He was not a secret agent, ma'am. A murder took place yesterday night. A local drug dealer was murdered and your car was found to be driving way above speed limit, ignoring the red lights that came in the way. We had brought in your husband as a suspect. We have not yet been able to trace the weapon with which the man was killed, so we do not have any proof against your husband. You just admitted that you have witnessed your husband killing a man..."

"NO! He is a secret agent! He had to do his job! Please check with your people who appoint undercover agents! You are mistaken!"

"Alright ma'am, we will check with the Secret Service for your satisfaction. But you should know, your husband worked in a corporate..."

"Yes...yes I know...that was for the world to know...to hide his secret identity..."

*"One may sometimes tell a lie, but the grimace that accompanies it tells the truth."*

-Friedrich Nietzsche

"Calm down ma'am!" said the inspector and left.

After about half an hour inspector David returned and told Nicole that he had verified and that Ryan was no secret agent. He went on to say that they were not able to find the weapon yet and that she had been very helpful in confessing her husband's crime. He was saying something else when Nicole suddenly asked "Was he a con man?"

"Ma'am what?"

"My husband...is he a con man like in the movies and detective television series?"

"No ma'am...we do not have any other reporting about anything that your husband has done...no fraud case no--"

"Then why did he lie to me?"

"Ma'am..." the inspector was out of words.

"You said that he had made no phone call yesterday night, isn't it?"

"Yes ma'am..."

"Can I meet my husband?"

"Ma'am it would be highly inappropriate..."

"PLEASE. I need to know why he lied to me."

They took her to Ryan. As soon as Ryan saw Nicole come into the room he got all worked up.

"You gave me up! You admitted that I killed him? I told you not to tell anyone! They do not know who I am!"

"Why did you lie to me Ryan?"

"What..."

"ANSWER ME!"

"She killed him inspector! Now she is making stories! I was lying to save my wife!"

"WHAT? NOW YOU ARE ACCUSING ME OF YOUR MURDER?"

At that point an officer came and reporter to David that they had found the gun and the fingerprints on it matched with that of Ryan. Ryan fell back on his chair and whispered "Yes I killed that man. But I had no intention of doing so. He had a gun pointed at us and he wanted us to give the keys to our car. I said I could not find the keys and when he came near me...I had told my wife I was a secret agent...how could I not..."

"You lied to me once! You could have lied again! Why did you kill the man for heaven's sake?"

"I don't know...it all happened so quickly..."

"We have not found the gun Ryan." Ryan looked up confused. "But your confession will help you reduce your charges. What he just said, is it all true ma'am?" asked the inspector.

"Yes" muttered Nicole. "Why did you lie to me Ryan?" she asked once more.

"I like to lie, remember? My reality is way too boring."

"You should get him a doctor, inspector" said Nicole and walked out.

"She too did not understand me", mumbled Ryan, "No one ever does."

*"Fiction is obliged to stick to possibilities. Truth isn't."*

*- Mark Twain*

## नादान-सी परी



Amarkant Kumar (MCA batch of 2013)

थी वो नादान-सी परी, कुछ बिना बताए चली गई,  
सोचता रहा मैं, वो है मेरे पास खड़ी, थी वो नादान-सी परी ।  
रहती थी वो मेरी साँसों में, रहती थी वो मेरी साँसों में,  
मुझे पता भी नहीं चला, बिना बताए चली गई,  
थी वो नादान-सी परी, कुछ बिना बताए चली गई ।

नींद में जब सोया था, आई वो आहें भरी,  
सोचा कुछ बातें कर लूँ, नींद खुली तो चली गई,  
थी वो नादान-सी परी, कुछ बिना बताए चली गई ।

एक दिन मिली वो, थी रास्ते में कड़ी, सोचा कुछ बातें कर लूँ  
नज़र मिली तो चली गई, नज़र मिली तो चली गई,  
थी वो नादान-सी परी, कुछ बिना बताए चली गई ।

गम के आसूं आने लगे, मिलने को मन करता था,  
पता चला वो चली गई, थी वो नादान-सी परी,  
थी वो नादान-सी परी, कुछ बिना बताये चली गई ।  
सोचा दिल से कुछ बातें कर लूँ, उसने भी साथ छोड़ दिया,  
गम के आसूं आने लगे, मिलने को मन करता था,  
थी वो नादान-सी परी, कुछ बिना बताए चली गई ।

एक दिन जब मैं सोया था, आई वो पास खड़ी,  
नींद खुली तो चली गई, थी वो नादान-सी परी,  
थी वो नादान-सी परी, कुछ बिना बताए चली गई ।

“सबसे कल्पनाशील सबसे विश्रमी होते हैं, उनके लिए सब कुछ संभव होता है।“

## **LET'S DIVE INTO THE DEEPER MEANING OF "TIME"**



**Nikita Chopra (M.Sc. 1<sup>st</sup> year)**

As Denis Waitley rightly pointed out, "Time is an equal opportunity employer. Each human being has exactly the same number of hours and minutes every day. Rich people can't buy more hours. Scientists can't invent new minutes. And you can't save time to spend it on another day. Even so, time is amazingly fair and forgiving. No matter how much time you've wasted in the past, you still have an entire tomorrow. Success depends upon using it wisely—by planning and setting priorities."

Below are some viewpoints on time:

➤ Time teaches us the value of life. It's said that one who does not value time, time does not value the person either. If we value time, it is our true friend but if we don't, we ourselves make it our enemy. People cling to the past or long for the future, making them unavailable for the moment at the present. So, it is rightly said, "No matter how much you stress or obsess about the past or future, you can't change either one. In the present is where your power lies." So, live every moment of the present without any regrets about the past or fear of the future. One doesn't get to choose how or when one is going to die. One can only decide how one is going to live. Now. So, live the present to the fullest.

➤ As is truly said, 'Time flies and waits for no one'. So, time is the most valuable thing in a person's life. Wastage of time is a crime, as wasted time will never come back. It is precious than diamonds. So, the best gift one can ever give to someone is their time because by doing so, they give a portion of their life which they are never getting back. Spending one's precious time with someone listening to their problems, and suggesting solutions or may be just making them feel better is a significant task.

➤ Time is also the biggest heal for wounds. As time passes by, people tend to forget and forgive. And that's the best part of it. Big rivalries which can't be resolved by all possible means are resolved when appropriate time arrives. Time can solve any problem – however big or small it may be! Time shows us what really matters in a wonderful way.

➤ It's also said that, "No one gets anything before time". Although this one is debatable, but it is believed that there is a specific time for each and every event to happen. One is made to wait for the correct time to come, at which one will get success in one's work.

Time teaches us the value of everything in life. A newly born child knows nothing. But as time progresses, the child starts learning and eventually becomes mature enough to take his/her own decisions himself/herself. With time, everyone gains maturity; some gain it early while others a bit later. Time is the best teacher if one is willing to learn. If one keeps repeating mistakes, definitely no one can help. One should learn from the past and try not to repeat the same mistakes in future in order to make one's future better than the past.

**So, one should accept the past, decorate the present and strive for the future.**

*"Yes!!! Time flies but we are the pilot."*

*-Maree Harris*



**Mixed Bag**

## #TwitterTrendings

### Alok Nath

-aloknath smokes aggarbatti

-What will aloknath ride if he stars in Dhoom 3?  
Bullock cart

-aloknath wildest fantasy involves a harmonium and Reema Lagoo

-aloknath wants twitter to add a "ashirvaad" button

—"mujhe betiyaon ka bauji banana hai"—aloknath replied when teacher asked him what he wanted to be when he grew up



### YO KEJRIWAL IS SO HONEST



### Arvind Kejriwal

- YoKejriwalSoHonest that he pays the producer for the movie torrents he downloads
- YoKejriwalSoHonest that he only saw the first half of True Lies
- If you Google "Honesty", it will say "Did you mean Kejriwal?"
- YoKejriwalSoHonest that he pays for Hara Dhaniya when he buys vegetables
- YoKejriwalSoHonest that he even rolled on floor laughing in this winter while typing ROFL

### Rahul Gandhi

- Congress is playing to add one more point to its list of achievements keeping Arnab calm for 2 hours #RahulSpeaksToArnab
- RaGa is so scared from the #chaiwala
- Feeling bad for #RaGa. He is like our nephew, got admission through reservation but got six backs in the first semester
- RahulSpeaksToArnab reminded college days viva. Whatever you ask I will give answer what I know
- Everytime congress digs a grave for #NaMo, #RaGa jumps into it.



### RIDES A BIKE



GETS A TICKET FOR TRIPLE RIDING

### Niel Nitin Mukesh

- NeilNitinMukesh is the only person involved in a love triangle
- NeilNitinMukesh is the only student opted for Science, Commerce & Arts after 10th
- 3 Mistakes of my life was originally #NeilNitinMukesh's dad's autobiography
- NeilNitinMukesh is always on conference call



Compiled by  
Ravi Mehta  
M.Sc 1 year

*"Everything is funny as long as it is happening to somebody else."*

*-Will Rogers*

# MAGICAL MATHS



Compiled by: Heena Dhankani (M.Sc. 1<sup>st</sup> year)

## POWER OF 9

0	X	9	+	1	=	1
1	X	9	+	2	=	11
12	X	9	+	3	=	111
123	X	9	+	4	=	1111
1234	X	9	+	5	=	11111
12345	X	9	+	6	=	111111
123456	X	9	+	7	=	1111111
1234567	X	9	+	8	=	11111111
12345678	X	9	+	9	=	111111111
123456789	X	9	+	10	=	1111111111

## AMAZING PALINDROME

1	X	1	=	1
11	X	11	=	121
111	X	111	=	12321
1111	X	1111	=	1234321
11111	X	11111	=	123454321
111111	X	111111	=	12345654321
1111111	X	1111111	=	1234567654321
11111111	X	11111111	=	123456787654321
111111111	X	111111111	=	12345678987654321

"Pure mathematics is, in its way, the poetry of logical ideas."

- Albert Einstein

## **BRAIN BASH**



**Compiled by: Vishakha Sharma(MCA 1<sup>st</sup> Year)**

- a) ABCDEFGH

*Which letter is three to the right of the letter immediately to the left of the letter three to the left of the letter two to the right of letter F.*

- b) Can you guess what 11, 69 and 88 have in common?

- c) Can you find the Twelve hidden colours in the following paragraph:

*Many injured animals are invited to live at the "Toronto Range". Stop in Kangaroo corner and marvel at the lonely creatures within. Dig over the potato patch to find the small furry caterpillars, but you don't yell! Owls can be found swooping for edible rodents, earwigs or perhaps bluebottles in the undergrowth. The brown bear, Rob, lacks grace and may look like an ogre, enter at your own risk! Peacocks can be found showing their colourful wares, which look fantastic when viewed with our ultraviolet torch.*

- d) Divide them all!!

*Can you divide each of these words into two meaningful parts:*

*For example: Notify=Fin +Toy*

*Note that all the letters are to be used and none of the letter can be repeated.*

- Radium
- Almond
- Eldest
- Tricky

- e) I start and end with 500 and carry a 5 in my heart. But I require the first letter and the first number to be complete. I am the name of a King. Who am I?

- f) A man worked for a high-security institution, and one day he went in to work only to find that he could not log in to his computer terminal. His password wouldn't work. Then he remembered that the passwords are reset every month for security purposes. So he went to his boss and they had this conversation:

*Man-"Hey boss, my password is out of date."*

*Boss-"Yes, that's right. The password is different, but if you listen carefully you should be able to figure out the new one: It has the same amount of letters as your old password, but only four of the letters are the same."*

*Man: "Thanks boss."*

*With that, he went and correctly logged into his station.*

*What was the new password?*

*"In every problem, there's a concealed solution... locking itself underneath... unlock, peruse, find and solve."*

*- Michael Bassey Johnson*

## **SOLUTIONS TO BRAIN BASH**

- a) G.
- b) They all read the same upside down (Rotational symmetry).
- c) Many injured animals are invited to live at the 'Toronto Range'. Stop in kangaroo corner and marvel at the lovely creatures within. Dig over the potato patch to find small furry caterpillars, but don't yell! Owls can be found swooping for edible rodents, earwigs or perhaps bluebottles in the undergrowth. The brown bear, Rob, lacks grace and may look like an ogre, enter at your own risk! Peacocks can be found showing their colourful wares, which look fantastic when viewed with our ultraviolet torch.
- d) Air+mud, Old+Man, Set+led, Kit+cry.
- e) DAVID  
Talking in roman numerals, D = 500, at the centre is 5 = V, the first number is I; the first letter of the alphabet is A. They combine to form DAVID.
- f) The old one was : Out of date  
The new one is: Different  
He said: My password is "Out of date." And the boss told him the new one when he said: "The password is different."



Bharti Ahlawat

M. Sc. 2nd Semester



Neha Singh

M. Sc. 2nd Semester

# A picture speaks a thousand words...



Ujjwal Kapoor

M. Sc. 2nd Semester



Divya Nigam

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