# CUI/IIE monthly

Hey there, Ruiaites!

The month of August has gone by and September is already here. Many things have happened since the publication of the August Edition, and many things are bound to happen soon...we witnessed the solidarity of Mumbaikars on the terrible day of 29th August, when the city came to a standstill due to unstoppable torrential downpour; then came the pomp and fervor of the Ganesh Festival; then came the magical Teachers' Day; and now, the exams loom right around the corner! Thus, life goes on....and so does the Ruiaite Monthly! This month, not only are we presenting you new editions of our classic columns, but we are also unveiling two brand new gramming. Buzz Around has decided to columns! "Science of Everything" and "Safarnãma" are here to stay, folks! The former is all set to bring you some of the amazing and unheard of scientific facts and theories, presented in a very intriguing manner. While the latter will take you to places with its featured travel stories and other travel facts! This

make readers go gaga over the hitherto less known life cycle of a star, the story of evolution with a twist, and the Mumbai deluge. In its very first edition, Safarnama is doing something atypical by describing the places where some iconic Bollywood films have been shot! As for the usual columns, we have Careerwise talking wisely about Ruia's latest feather in the cap - Autonomy! This month, Careerwise presents us the career-oriented benefits of the muchawaited autonomy. On the other hand, Tech Tricked will take its readers to the complex yet happening world of procover the buzz of the Supreme Court's historic decision on the issue of Triple Talaq, while Op-Ed has presented some of the most beautiful poems that they invited from our talent Ruiaites! Insight would like to dedicate this month's edition to the unwavering and steadfast spirit of Mumbaikars by re

month, Science of Everything is going to counting the trying tales of those who were left stranded on that fateful day. In the meanwhile, Behind The Scenes would like to go behind the scenes of the tales of some of the most legendary personalities who contributed immensely to the society. And Artwall is not only displaying some of the most wonderful artworks that we received this month, but also presenting some fascinating Mumbai graffitis this time!

> As far as the reports are concerned, we have one on the celebration of the Independence Day, and a special report by our former Executive Editor, Amrita Shenoy, on the Farewell Party of one of Ruia's most scintillating jewels, Dr. Anjali Bhelande, HOD, English. Lastly, we also have a beautiful French poem called "Le Guide" in the Students' Corner, followed by an exclusive report on the activities conducted by Ruia's Internal Quality Assurance Cell (IQAC).

Go on, Ruiaites, move to the next page and begin your literary journey of the month!

# REPORTS

# Dept of English bids farewell to retiring HOD

On an emotional day for the Department of English, the students of the department organised a farewell for the HOD, Dr.Anjali Bhelande on the 24th of August in the Alumni hall of the college. Dr.Bhelande retired after 37 years of service to the institution.

Ranging from students of the current batch to alumni of the distant past and recent graduates, the guests in attendance included the likes of

Mr.Gangadharan

Menon(environmentalist and former advertising guru) and Mrs. Saradha Balasubramanian (a faculty member of the English Department of KC College), both accomplished alumni of the department who had been associated with Dr. Bhelande, the latter as a student. Also present were the department's faculty members Dr. Dinaz Munshi, Mr. Arjun Kharat, Ms.

Meera Suryanarayan, Ms. Devyani and Ms. Lavanya.

The farewell commenced with hearttouching speeches by the faculty members, following which, there was a scintillating speech and performance by Mr. ma'am. They also crooned to Ed Menon, wherein he read three poems dedicated to Anjali ma'am, one by Arun graph', while the whole gathering Kolatkar and two others by Nissim Ezekiel. Next, was a speech by

Mrs.Balsubramanian, who shared her experiences as a student of ma'am and later, as her contemporary in the teaching field.

After the speeches, the students of the current and previous batches of the department presented a small program they had prepared for their beloved year's batch presented a unique and hi-longing to Dr. Anjali Bhelande. larious list of words and phrases that belonged exclusively to Anjali ma'am,

Amrita Shenoy, also from last year's batch, hosted a quiz on ma'am's life. Shivani Tamhankar and Bune Lemai from the current batch then recited beautiful verses they had penned for Sheeran's sentimental number 'Photojoined them. The event concluded with emotionally charged speeches by Tarini and Amrita, following which ma'am was presented with a handmade card and several little gifts and tokens of appreciation from her students.

When everybody stepped out of the hall, after lingering selfie sessions, much cheering and thunderous applause, the monsoon air was moist, and so were teacher. While Tarini Bhamburkar of last everybody's eyes-the brightest pair, be-

> Amrita Shenoy (Tyba English 2016-17)

# Ruia College Independence Day, 2017! Ab tumhare hawale watan sathiyo....

Enthusiastic Ruiaites had began the preparations a week before; NCC members were busy in parade practice and NSS students in slogan making. The timetable was made, posters were put up! Independence day celebration took place in Ruia college on Tuesday,15th of streams, etc. uniformly wore white AUGUST. For this, all the NSS and NCC candidates were asked to assemble in the quadrangle where various melodious patriotic songs were being played. Senior NCC cadets welcomed the Chief guest. The celebration commenced at 9.45am with the flag hoisting and rhymes of our National Anthem(JANA-GANA-MANA) filling

the air. This was followed by the NCC special song,"HUM BHARTIYA HAI" and the oath taking ceremony regarding fulfillment of duties by NCC and NSS members.It was a sight to behold, when students from all walks of life, religions, clothes and came together to celebrate program. Last but not the least, they this ceremony, breaking all barriers. After this, the NSS students took a five minutes break and then headed for the Swacch Bharat 'Silent Rally' which covered the Dadar and Matunga area. The students held up colourful poster conveying a silent yet powerful message of keeping our surrounding clean and ex-

plaining why it has become a necessity today.The rally started and ended at RAMNARAIN RUIA COLLEGE. After coming back, the NSS members sat in a row 'chit-chatting' about the program and later told the team leaders about the darlings and the daggers of the held a poster making competition based on the same theme - Swatcha Bharat Abhiyaan, which got a wonderful response. The members later had refreshments and bid adieu. The program was a great example of the evergreen saying "Bharat humko jaan se pyaara hai, sabse nyaara Gulista hamara hai!"



# FREEDOM FROM TRIPLE TALAQ. -Riddhi Solanki

The Supreme Court on 22nd August, announced the practice of divorce of Muslim women through Triple Talaq as "unconstitutional ". Triple Talaq trends worldwide as Supreme Court's verdict on women's right is hailed. The five judge bench consisting of Chief Justice Jagdish Singh Khehar, Justice Kurian Joseph, Justice Rohinton Fali Nariman, Justice Uday Lalit and Justice S. Abdul Nazeer by a 3:2 majority judgement said that there is no constitutional protection for Triple Talaq.

Though the decision has been welcomed unanimously throughout the country; it is said that the government is not planning to frame any law to ban the practice. It is believed that the government will consider the issue in a structural manner. A prima facie reading of the judgement makes it clear that the majority held it i.e. Triple Talaq as unconstitutional and illegal. When asked how the Supreme Court verdict striking down the practice of Triple Talaq would be implemented and why a statute has not been considered necessary for the order's enforcement, it was explained that a marriage will not be annulled if the husband resorts to instant

Triple Talaq. After the Supreme Court's order, if a husband gives Triple Talaq, it will not be considered valid. His obligation towards the marriage will remain. The wife is also free to drag such a person to police and file a complaint of harassment and domestic violence. This is exactly why millions of women from the Muslim community rejoiced on 22nd August after the Supreme Court, in a landmark judgement, declared instant Triple Talag or Talaq-e-Biddat as unconstitutional.

The apex court has appealed to legislate a law pertaining to the Muslim divorce law, indicating the possibility of a new framework to publish Uniform Civil Code [UCC] - a proposal floated to replace all community or religion-specific laws with a common set of guidelines. While the decision has been welcomed by citizens from all walks of life, the focus is again back on UCC.

Just as a coin has two sides, this decision which has been considered unbiased and termed as historic and of unparalleled victory, is being questioned by the strong heads of the Muslim community. The main reason behind this being that the clerics believe that this incident is absolutely against the Quran as well as the Shariat. People

within the same community have different mindsets. On one hand many Madrassas all over the country have started teaching the young minds about the correct code of conduct and the true meaning of equality, tolerance and respect; the rigid and orthodox minds on the other hand, are still struggling to come to terms with the law that they deem unethical. Because according to them, typing 'Talaq, Talaq, Talaq' three times and sending it via social media and ending a relationship or for that matter the future of innocent Muslim women is acceptable; but the abolishment of such acts is not. Why do the cries of these women fall on deaf ears? Why do all the morals and values of the Holy Quran go in vain when chauvinistic men dominate over these women?

As of now, majority of the political parties have welcomed this decision with open arms. This decision did much to ameliorate the living standards and equality; hinting towards a metamorphosed India. And it's time we realise the clarion call to keep religion out of politics and give people the right they deserve.



### Lt. Col. Shrikant Purohit Bail

- Aditi Patil and Pushkar Bhatlekar



The Supreme Court on Monday granted bail to Lt. Colonel Shrikant Prasad Purohit, who spent nine years in prison in the 2008 Malegaon blasts case. The bench of Justice R K Agrawal and A M Sapre, while passing the order, said, "We set aside order of Bombay High Court." The apex court further added that certain conditions will be imposed on Purohit while granting bail.

What is Malegaon blast case?

A blast took place on September 29, 2008 opposite Shakil Goods Transport Company. The explosives were concealed in a LML Freedom motorcycle. At least seven people died while 79 others were injured in the incident. In the initial investigation led by Maharashtra ATS, Sadhvi Pragya, Lt Colonel Shrikant Purohit, retired Major Ramesh Upadhyay were arrested in connection with the case.

Who is Shrikant Purohit?

Shrikant Purohit belonged to a middle class family from Maharashtra. His father worked as a bank officer. He completed his education from Abhinav Vidyalaya and Garwara College in his birth town in Pune. Purohit was commissioned into Maratha Light Infantry in 1994 after he cleared out of the Officer's Training Academy at Chennai. Between 2002-2005, he served in the counter-terrorism operations unit in Jammu and Kashmir. Later he was shifted to Military Intelligence due to health rea-

sons.

How was he connected with the case? The Lieutenant Colonel came in contact with another accused in the case, Ramesh Upadhyay, during his time in Maharashtra. Upadhyaya set up Abhinav Bharat, an extreme right wing group, which is believed to be behind the 2008 blasts and Purohit was reportedly associated with the group. During the investigation after the blasts, police recovered some messages which were allegedly sent by Purohit to Upadhayay. He was later accused of stealing 60 kg of RDX from the army, to be used in Malegaon blast. He was also accused of funding and training Abhinav Bharat. Shrikant Purohit says he was caught in "political crossfire"

Purohit told the Supreme Court on August 17, 2017, that he was caught in a "political crossfire" and no charges have been framed against him in nine years. He also accepted his association with Abhinav Bharat and said that he attended a few meetings, but only in the capacity of an army officer. He also added that he passed on all the information to his senior officers about the group's activities. "ATS in its chargesheet says that I attended meetings of Abhinav Bharat. Yes, I attended certain meetings, but as a military mole. I have been doing my duty. The court says that it will look into ATS chargesheet at the stage of trial and refuses

interim bail even as charges are not framed against me. What kind of criminal justice system is this," said senior advocate Harish Salve, who spoke in the court on behalf of Purohit.

Is there a link between the 2008 Malegaon attack and the Samjhauta Express and Ajmer Dargah bombings of 2007, which too have been blamed on right wing Hindu extremists?

The Samjhauta bombings killed 68 people, mostly Pakistanis, as the train was on its way to Lahore. Suspecting a larger conspiracy, the UPA government clubbed all blasts cases allegedly involving right wing extremists, and asked the NIA to investigate in 2011. The agency filed a chargesheet against five alleged right wing extremists in the train blasts case. Purohit was not among them. The NIA approached the Supreme Court seeking Purohit's custodial interrogation, not just in connection with the 2008 Malegaon blast, but also to investigate his possible role in the Samjhauta, Ajmer and Malegaon 2006 attacks. However, after a protracted legal battle, the apex court rejected NIA's plea for custody.

Two key accused, Sandeep Dange and Ramji Kalsangra, who are suspected to be the key to the jigsaw, couldn't be arrested. A red corner notice was issued and a reward of Rs 10 lakh was announced for each man.

### TOP 10 NEWS

1.India can construct Kishanganga, Ratle projects under Indus Water Treaty: World Bank.

2.7-year-old killed in Ryan International School, Gurugram, by bus conductor.

"A Heinous Crime", according to Haryana's Chief Minister.

3. US warplanes call off surveillance of ISIS convoy, at Russia's request.

4. Government launches VAJRA

scheme to attract Indian Scientists abroad. 5.Cabinet Reshuffle: Nirmala Sitharam gets

Defence, Piyush Goyal gets Railways. 6.India's First High-speed luxury train

TEJAS EXPRESS flagged off 7. Hamburg action plan adopted at G-20 summit

8.193 countries of the world unite to take action and save oceans from pollution 9. Ram Rahim guilty of rape, 30 dead, 250 injured as sect erupts

10. Category 4 Hurricane Irma bringing life threatening storms to Florida keys

out to serve stranded people tea and biscuits

Anand Mahindra: And here in Mumbai a friend stuck in a car to the airport for 5hrs told me that slum dwellers came

**TWEETS** 

-Pushkar Bhatlekar

(reply) BBC News: houston floods night curfew bid to stop robbery and looting



**QUOTE OF** THE MONTH

-Chinmay Parulekar

'Let us remember: one book, one pen, one child and one teacher can change the world'

- Malala Yousafzai



# CAREER WISE

Ruiaites! Autonomy is here! This month let us take a look at how autonomy will help our careers and make us job ready.

# The most important thing is that the results will be on time. No delay. Now the 60-40 pattern will be applied, providing internal marks for projects. Old method of rote learning is not suitable for today's technical society. Project based learning enhances the technical skills required for today's world.

# Teachers Speak-

The evaluation would be done systematically. The curriculum will help students who are applying for further studies abroad. They would be at par with that syllabus. We at Ruia have a Career Guidance Cell. On campus placement is always there.

This is in addition to the workshops and seminars that happen all year around. This will definitely help students get jobs.

Dr. Andhale (HOD, Mathematics)

I am happy for the simple reason that many aims and aspirations we had can now be made possible. From the student's point of view, it is comparatively easy to score in the 60-40 pattern. Also, the liberty that we now have as far as framing the portion is concerned has made an impact because we are able to mould it the way we want. Normally there are too many restrictions to maintain uniformity with other colleges but now we can go beyond what is being taught elsewhere.

In the Political Science department, we want to add a practical element where the students can analyse the subject beyond the textbooks. I really look forward to making the most of ICT so that students can submit their projects online as far as possible. It is definitely going to benefit the students because thinking is promoted.

This practical experience will get them job ready as there will be increased awareness among the students right from the undergrad level. Political Science students undergoing this learning process will find jobs easily in sectors like think tanks, research organizations and NGOs.

Manasi Misal Tirodkar (Associate Professor, Dept of Political Science)

Microbiology is a vast field which deals with several micro organisms, its cultivation and growth. Due to university pattern, micro organisms are explored only upto certain limit. But as our college has achieved autonomy we can have more practicals and deal with more micro organisms and can promote students in research field. Exam pattern has also been changed.

A 60-40 marks pattern has been introduced in which 20 marks will be for project work which will require research work and will thus develop interest in the subject. Autonomy, the word itself tells us that the job opportunities will increase. It will lead to campus interviews. Each year we have many foreign exchange programs due to which our students can get job opportunities in other countries.

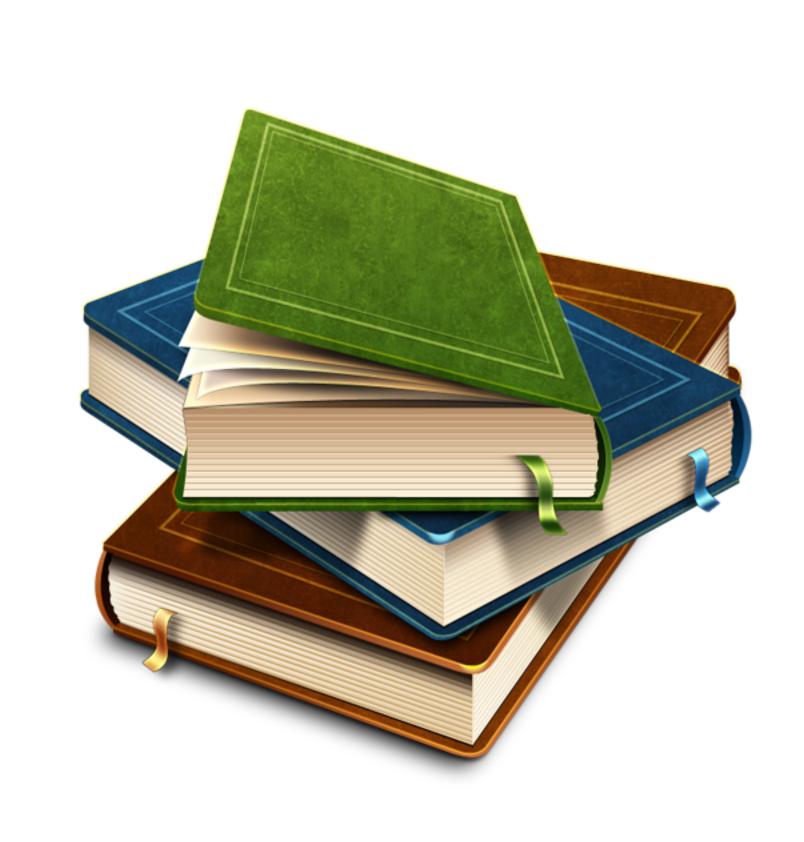
There are positions like Scientist D, C,B offered according to qualifications in national institute of occupational health in Bengaluru which offers good salary as well. There are many jobs of lab technician available in various hospitals and labs in prime cities. Many food industries offers the jobs as well.

Vidyadhar Tupe (Sr. Professor, Dept of Microbiology)

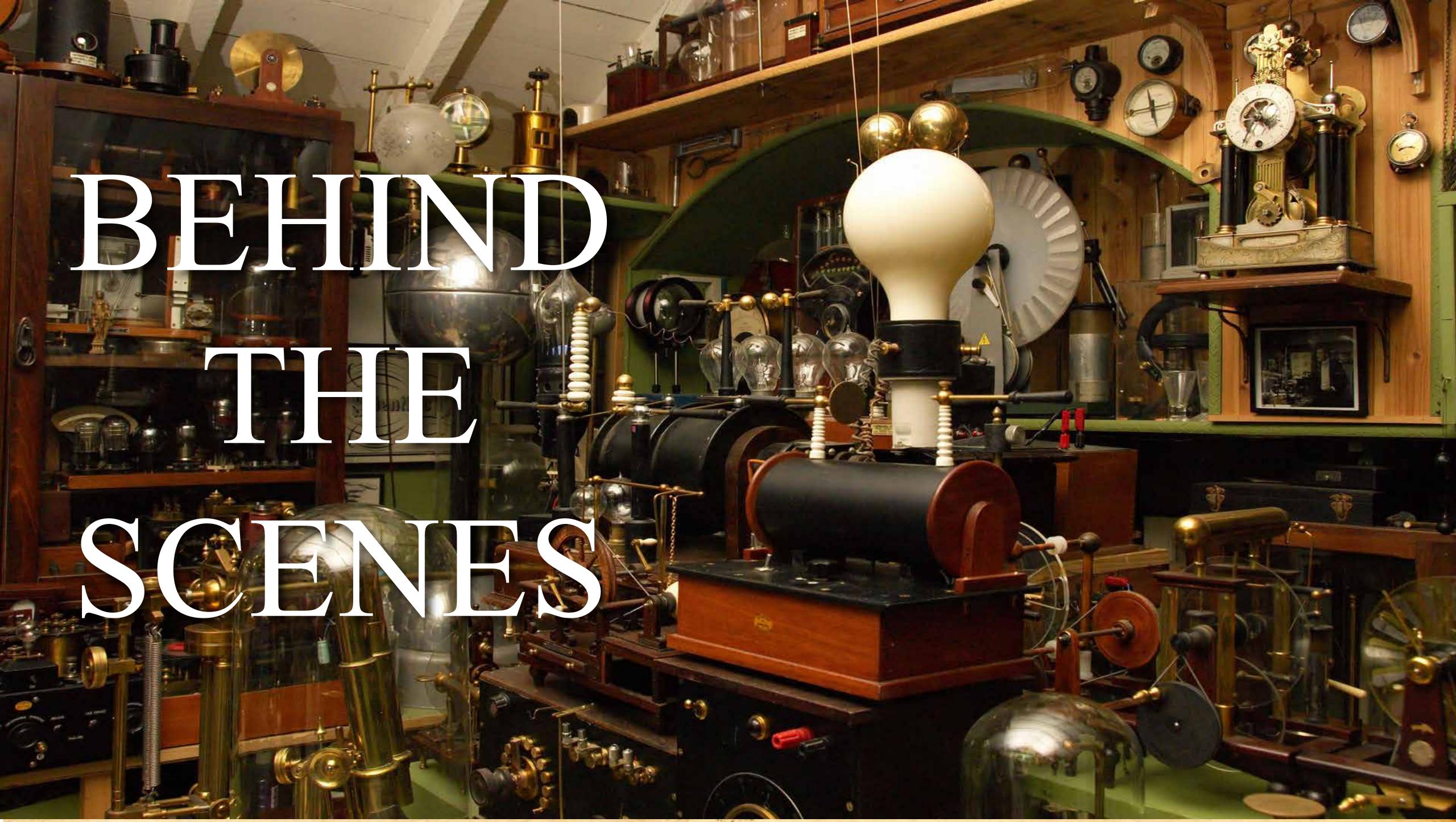
# Student's Opinion-

The curriculum became student-friendly. It is more relatable, practical and most importantly it gives the perfect shape to your career states. Apart from the mainstream courses, the other knowledge oriented courses also get momentum because of autonomy.

One of the latest example is the Certificate course of Greek and Gramani script. Autonomy has also given us an edge over other students as we have more chances of getting jobs of our choice. However, it will take time to completely adjust with the new pattern because change is always gradual.



Tanvi Sukhtankar, (FYBA student)

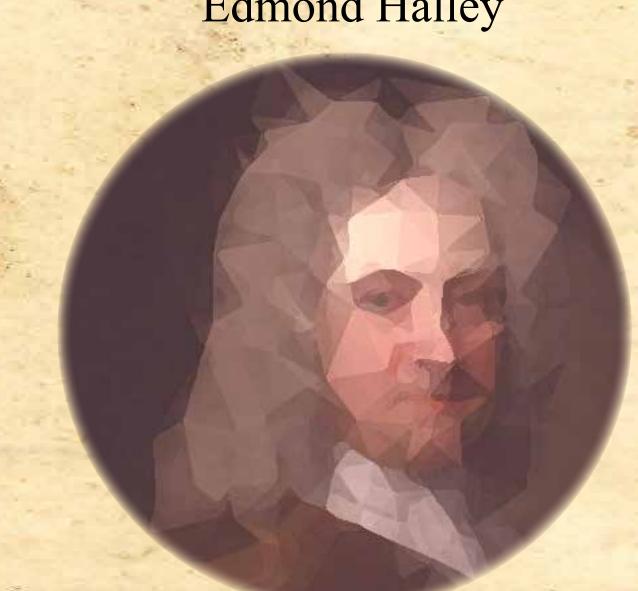


# UNVIELING SCIENTIFIC DISCOVERIES

The world we know, the world we see and the world we live in are all totally different things. What we know about the world depends on what source the information comes from. The world we see depends on what is in front of our eyes. The world we live in, depends on everything around us; both seen and unseen, heard and unheard, known and unknown. But we all agree on one thing - the world right now would never have been possible without what our beloved scientists and inventors did in the past. They have contributed immensely in the development of human society and the modern world, in one way or the other, through intentional acts as well as blunders. Their part in this cosmic act of ours cannot be overlooked. So this month, we

would like to share some interesting backstories of some of these legends.

### **Edmond Halley**



Edmond Halley never did actually "discover" Halley's Comet. He studied and predicted the motion and duration of the famed comet. It was Halley who drew the first star map of the Southern Hemisphere, invented the first weather map, discovered the magnetic field patterns of Earth and perfected the Diving Bell.

Once, while discussing with Robert Hooke and Christopher Wren on the

topic of planetary motion and Kepler's laws, Halley expressed his wonder about the rules and mathematics which govern planetary motion, upon which Hooke said that he had already done the calculations on the same. Halley asked for them but Hooke always failed to produce them. After a long time waiting for Hooke's calculations to come, Halley got tired and approached another Mathematician who once locked horns with Hooke on the subject of light - Isaac Newton. When he approached Newton in Cambridge and expressed his wonder about planetary motion and asked what might be governing all these orbits, Newton replied that he has already done the calculation 5 years ago. Newton couldn't find his calculations which were lying amongst a pile of papers, completely lost. So Newton did all the calculations all over again and sent them to Halley, who realised the importance of Newton's laws of Gravity and motion. He encouraged Newton to compile all his findings in a book, called 'Principia de Mathematica', and published the book on his own expense since the Royal

### Ada Lovelace



The countess of Lovelace, commonly known as Ada Lovelace is the one who wrote the first computer program at the time when a computer only existed on paper. She first met her mentor Charles Babbage at age seventeen, in 1832 and that was when she saw his plans for 'Difference Engine' -a calculating machine that was none other than the very first incarnation of the modern day computer. While Charles Babbage himself thought computers were limited to carrying out calculations, Ada Lovelace was the one who theorised that text, pictures

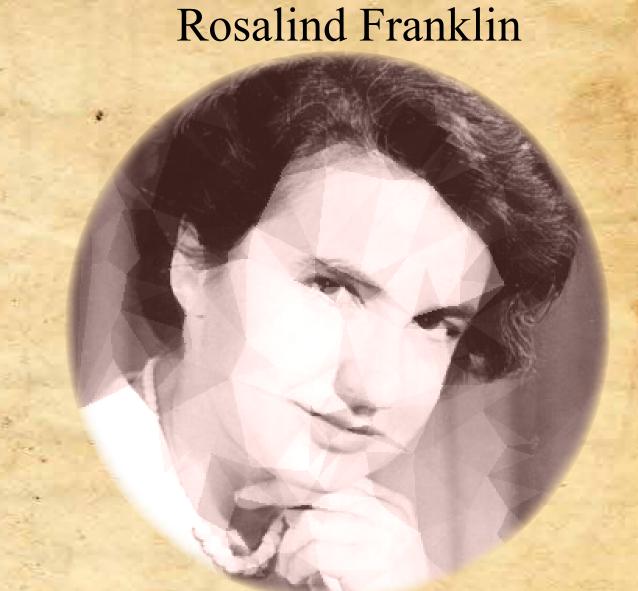
and sound can all be converted to digital

form and manipulated by machine.

The marriage of her parents was brief and ended badly. Her mother saw to it that she was taught maths and science, determined to not let her follow in the footsteps of her father who was a poet, educated in art and literature.

Lovelace grew up to be a mathematical and computing genius at a time when it was unusual for a woman to study science and mathematics. Her work was so advanced that it did not receive its due recognition till a century later. There is a computing language named in her honour. 'Ada' is still used today for operation of real-time systems in various fields.

Society had no money to spare



We all know that the 'structure of DNA' was discovered by James Watson and Francis Crick. But one person who contributed majorly to this discovery was 'Rosalind Franklin'.

Fearless, hardworking and intelligent Rosalind decided to become a scientist at a very early age. In the days when women only discussed their looks, Rosalind was busy getting x-ray photos of DNA. Around that time, James Watson and Francis Crick were trying to make the DNA model by compiling all the information available. One day, Rosalind found an amazing x-ray image which was later published as 'Photo 51'.

Without her knowing, Morris Wilkins, Rosalind's colleague made a copy of that image and shared it with Watson. Watson and Crick completed their model with the help of 'Photo 51'. With the help of some other scientists they made the final model called the 'Double Helix'. Watson, Crick and Wilkins received Nobel Prize for this model. However, a lot of scientists say that it was difficult for Rosalind to create the 'Double Helix' structure because of her reserved and introverted behavior. Whatever may be the case, Rosalind couldn't get the credit for her discovery and this is the sad truth.

Today's world is shaped by the pioneering work of Nikola Tesla and Thomas Edison. Edison developed the world's first practical light bulb. He opened his first power plant in New York, in 1882.

Two years later, Tesla, a young Serbian engineer, immigrated to America and worked for Edison. Tesla helped improve Edison's DC generators while attempting to interest Edison in his AC motors. Tesla quit his job in 1885 and few years later patented many of his AC technology whichhe sold to industrialist George Westinghouse, in 1888.

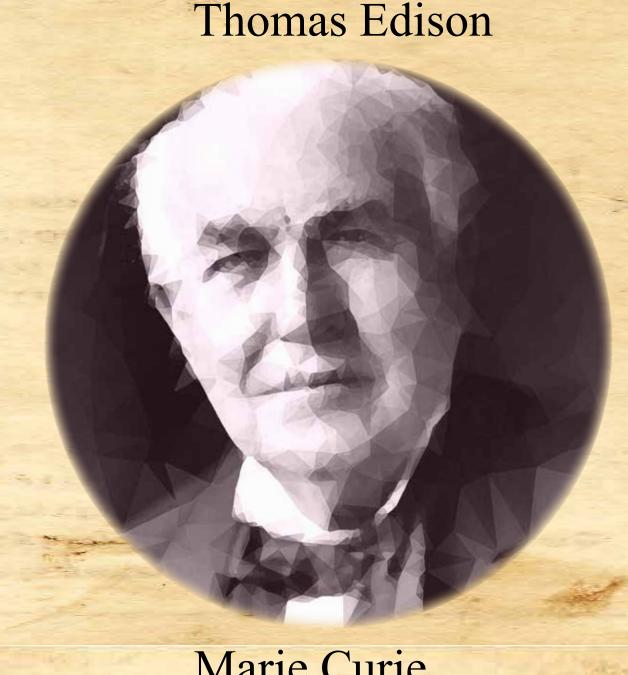
Feeling threatened by this, Edison launched a campaign to discredit AC. Animals were publicly electrocuted with AC demonstrating its danger. Edison recommended AC powered electrocution as an alternative to hanging for death-penalty prisoners in New York.

In 1893, at the peak of Current War, the Chicago World's Fair took place. General Electric bid to electrify the fair using Edison's DC for \$554,000, but lost to

Westinghouse, claiming to power the fair for \$399,000 using Tesla's AC which became a dazzling showcase for Tesla's AC system. Despite Edison's fame and outright propaganda, AC ultimately won for transmissible electricity. Westinghouse also secured a contract to build a hydroelectric dam in Niagara Falls transmitting

This victory ultimately marked the gradual decline of DC being used throughout the United States. However, there really wasn't a victor in this war, as both AC and DC continue to exist peacefully.

AC power to all of Buffalo, New York.



Marie Curie

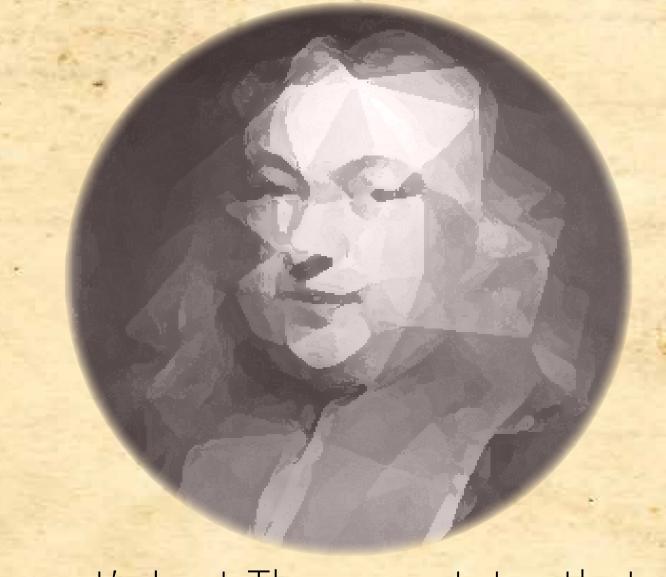


Marie Curie, a legend and a pioneer in the field of Radioactivity was born on 7th November, 1876 in Warsaw, Poland. She is the first woman to win a Nobel Prize and remains the only person who has won it in multiple sciences. She discovered Radium and Polonium and also proved that atoms were further divisible. This great scientist had faced a lot of difficulties in her early life and also during her research. Due to lack of resources as a young girl, she couldn't go to Sorbonne (The University of Paris). When finally with the help of her sister, Bronya she reached Paris, she had to work very

hard to make ends meet. She studied

during the day and took tuitions in the evening. She often had to go hungry due to her poverty.

The dedicated scientist lost her life because of her field of research. In those times the damaging effects of lonizing Radiation were not known. She had carried test tubes containing radioactive isotopes and also kept them in her drawer. The world lost the revolutionary scientist due to Aplastic Anemia on 4th July, 1934. Pierre de Fermat

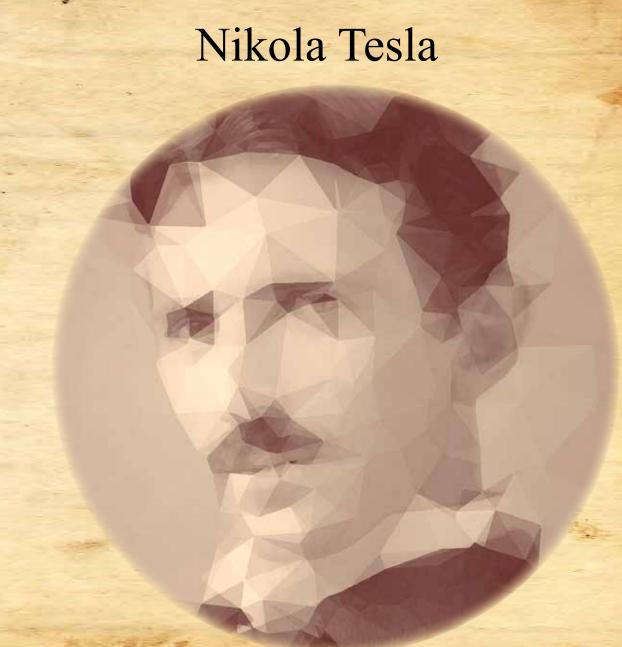


Fermat's Last Theorem states that no

ger value of n greater than 2.

three positive integers a, b, and c satisfy

the equation a^n + b^n = c^n for any inte-



Arithmetica, the ancient Greek text on mathematics written by Diophantus was the bible for Fermat. He discovered "Pythagorean triplets" in that book. It is said that he was thinking about the same while stating his last theorem. After Fermat's death in 1665, his son compiled all his notes (mostly written on the margins of Arithmetica ) and published them. Fermat, considering his uncanny attitude towards writing proofs, did not write the proof of this theorem.

A lot of mathematicians proved this theorem for a certain range of numbers but nobody could do it for all the natural numbers. Guinness book of world record had declared this as the difficult most mathematical problem in the world. Many people as well as institutions had declared prizes for complete proof of the theorem. In 1963 Andrew Wiles, a 10 year old boy came across this 350 year old unsolved problem and was fascinated by it. To everyone's surprise after a lot of hard work, on 27th June 1997 Wiles published the proof of Fermat's last theorem using modern mathematics. But modern mathematics was discovered in 20th century. So nobody, till this date knows what was in Fermat's head!



### The City That Won't Be Stopped

Last month, Mumbai witnessed an event that was not unfamiliar, but unpredictable nonetheless. During the early hours of 29th August, the city witnessed a heavy downpour. It poured, it drizzled, it pattered and it didn't stop. Unaware Mumbaikars left homes as usual on this fateful morning. By late morning, it became clear that this situation was unusual, even dangerous. And sure enough, the waterlogging blocked the train tracks, the very lifelines of the city. Soon after, the roads spluttered and died. And so, most Mumbaikars even though they left for home early, came to be stranded.

But even during such a calamity, the people of this city never stop. This month, Insight brings you anecdotes from the stranded Mumbaikars, what we learned from this day and what we can do in the future.

### Mumbaikar #1

### Q) What was the situation when you left for work?

It was raining, but it seemed to be normal. I didn't think that it would take such a disastrous turn.

### Q) What did you experience when you were stranded in the rains?

The trains were fully loaded. The lights and fans were not working properly. We had to wait for hours and hours for the trains to get started.

### Q) When and how did you get back home?

I actually live in Kalyan, but as it was not possible to travel due to the waterlog-

ging and collapsed timetable of trains, I Vikhroli. I left my office at 4 pm from Ghatkopar, but due to the waterlogging, I had to walk all the way to the station, and it took me almost 20 to 25 minutes. Then I walked on the railway tracks from Ghatkopar station to Vikhroli. I reached their house by 6.30 pm.

### Q) What did you experience when you were going back home?

Waterlogging took place in many areas. Rickshaws and buses were not working. We had to cover the whole distance by walking.

Q) Were the other people helpful? How

### did they help?

decided to stay at my relative's house in Yes, the people were very helpful. Each and every person was trying his best to help others by providing lift, or food packages, drinking water, etc.

### Q) What is your most significant memory of that day?

The spirit of unity and togetherness that the people showed while dealing with this situation.

- Nilesh Lokhande

### Mumbaikar #2

The morning began as usual. I noticed the trains were unusually late but there were no updates about the approaching heavy rains. Around mid afternoon, my practicals were cancelled. That's how 15 students, including me came to be stranded in the college. We didn't think things could take a worse turn but it did. papad) for us. Later, we prepared to Our conscious kicked in when the water clogged near college gate. We were advised to stay put in F7 classroom until the weather became favorable. In the quadrangle, the water reached the top of the stairs. As my friends and I, were enjoying some rice, we noticed the canteen too was being overpowered by the

water. Soon, the shed near the stage collapsed, allowing mud and waste to enter the college. I paid frequent visits to get an update. It was only a matter of time before electricity ran out in the nearby areas. The Ganpati mandap was devoid of people. The college arranged the food (dal khichdi with pickle and campout for the night. The girls shifted to the library and the boys remained in F7 & F5 classrooms to sleep. Accommodation was a major concern.

around dawn, the water levels dropped. Around 6, while everyone else remained asleep, my friend and I visited the Ma-

tunga station to check on the trains. When they did start, I was stranded in Kurla station by myself for an hour while everyone else boarded a specially arranged Kalyan train. Having missed the train, I reached home at 12 pm on 30th August.

Well this is it; it was my first experience with a natural calamity. It had a great impact on me and made me more grateful for the warm comfort of home, family and especially friends. After an unexpected misadventure, I have finally We had barely received any sleep when, fulfilled my dream of seeing the college and Mumbai at night.

- Harshal Kundan Kadam SYJC-Science

### What We Can Take Home From the Rains

"And let it flow, let it go and drain itselftill it leaves you all empty!" Well, that's something one would say, especially the ones who were stranded in the floods for hours, with water all around. But did it really drain us, leave us all empty? I don't think so. For, calamities create cohesion; and there was enough for each one to take back.

No matter how hard the times were, there was always someone who was happy to lend a hand to anyone who truly needed it. It might've been a person who you never thought was capable of helping anyone. Within moments, a person you've never met became the light bearer of your life.

Every passerby, every stranger became stories to share! someone you will remember for the rest Calamities like floods make us more of your life.

Sometimes you need to let go of the things that you are attached to if they become hazardous to you. It was when you knew you had to leave the car no matter how much you loved it. It was when your life was way more important than an object that trapped you in and held you back.

From the anxiety of being stranded, to that single ray of hope; from the feeling city as the sky cried. of not meeting your family again, to that moment you hugged your Mom tightly back home - you have a roller coaster of memories to relive. And a hundred new

human. It makes us believe in life a little more than before, trust people a little more. It awakens and restores our faith in humanity. The darker the times, the more united we stand. It was when no one could do a thing without the other's help. It was when we knew it was impossible to get through, if we didn't do it together.

We will remember this dark day when the light of humanity lit up the whole

-Neha Nayak, FYBSc and Sara Chavan,

FYBA

### **But What About The Future?**

Such events emphasize the strength of Mother Nature and reminds us of our mortality and helplessness. There is never going to be a perfect plan that tackles every calamity, but we can none- Help yourself and offer it to those in theless be prepared to an extent. Here's the preliminary breakdown:

### 1. Stay Put:

Occupy a safe shelter. Sit back; admire the wrath of nature, for you can praise its beauty too. Often, dire times bring out the hidden talents of one! Be creative, philosophical! Most importantly, do not try to rush home. Being stuck in a safe space is better than being stuck in an unsafe one.

### 2. ACT:

The first reflex has to be being active. Have faith. Be brave but not at the cost

of wisdom. Understand the difference between bravery and stupidity. Confirm your facts, and do not spread misleading information that feed the panic.

### 3. GIVE AND TAKE:

need. Be aware of your surroundings. Being a spectator is going to get you nowhere. Unity survives calamity.

### 4. ESCAPE:

Whether you are with the flow or against the flow, you never know what might come next. Hence, resort to the nearest safe shelter as soon as possible. Time to contact your great grandfather's sister's grandson!

5. BE EQUIPPED: As a precaution, it's advisable to stock your bags with emergency kits and

office drawers with packed food items,

extra pair of clothes and towels. And if you never end up using them, then you have a reason to throw an office pyjama party at the end of the year.

### 6. LEARN AND GROW:

Instead of planning on 'how to be safe ' during a flood, let us focus on ' how to prevent' one. As a citizen, it is our duty to avoid the usage of plastic, thermocol and other non - biodegradable material. So start with yourself and start now!

Pain and suffering touches everyone; what matters is how we emerge out of

-Himani Joshi, SYBA and Tanvi Padia,

FYBA



What could a couple of words converging into an idea, springing into myriad forms of emotions and dancing to a distinct rhythm do for us? One will fall short of adjectives while answering this question! From painting a vivid picture of beauty captured only by a naked eye, to contriving a reservoir of memories, from enlightening generations to conveying a full-throttle of sentiments and aspirations, 'Poetry' is not only a reflection of creativity but also a representation of a deep and an intense view of the world conceived by a poet. Contrasting to prose, it finds varied interpretations, as the words take different paths in the minds of the readers. Poems are 'the way' we follow and they represent 'what way we follow'.

This month, we present to you an opportunity to sit back, relax, and let your mind wander through these words of your fellow Ruiaites as they navigate through the ideas of love, freedom, time, dreams, the demons within and much more! Happy Reading!

A letter to my daughter

Dear daughter, A few things to remember-

Do not ever be ashamed of the blood you shed every month, because if you can fight through blood, so many times in a lifetime, baby, you are a warrior. The stretch marks that decorate your body, if you look carefully, are

magnificent intricacies, making you darling, a masterpiece. You will learn that the world teaches girls to shrink themselves to make

space for restrictions and limitations. But I will teach you to grow wings as huge as this universe and nothing less. Society will convince you that the word "feminist" is an insult, that you are too much for them and that you have too many words to speak. So

scream, girl. Scream like you did on the day you were born. Let them

know that you are here to stay and slay. Sweetheart, have a purpose, a dream. Name it after something majestic, give it as many syllables as the number of rapes unreported. Talk about it as loudly as the screams of the last girl mutilated.

You are made of moonlight and fire, burning and cleansing everything you touch. So, do not let anyone tell you otherwise.

Anjana Ashokkumar. SYBSc 'C'



## I know we both are two sides of a

Letting you know

coin, I also know that our hearts deeply conjoin,

But still I miss you in a way so bad, That it's making me go completely mad.

There are times when I go blank in my head, There are nights when I just keep tossing on the bed.

I am tired of meeting you time and again in dreams. To see you personally every moment my heart

screams. I wish I could just hold your hand,

I wish our love people could understand. I wish I could hug you tight right now, Though this distance will never allow. Spending every second with you taught me how to cherish your presence,

But it never taught me how to deal with your

This poem is to let you know that my days are having a terrible end, And until we meet again there is no way it. can mend.

Madhu Anil Singh FYJC ARTS 'B'

absence.

# Time

Someone asked, "What is time?"

Time is a thunderbolt,

as swift as it can be when you are in your happiest mood. Time is the contact between the skins, representing a bond and a promise. Time is a solid hard stone, who faced millions of difficulties in life, overcame them and conquered the world. Time is the sweet lullaby, your mother sang to you. Time is the scream, of those in their final days, remembering all the good and bad. Time is a memory, of another time, when time meant nothing to you. Time is the wish fulfilled, you made as the shooting star passed above you. Time is the pain, of the person who lost a friend. Time is the love, you showed when you waited for three hours in the cafeteria. What is time? Time is universe. Who are we? We are meek pieces governed by time, Being used as pawns in the game of life.

FYBSc Div B

Himanshu Pawar

# मी असा का आहे?

पण शब्द चुकण्याची भीती वाटते. तुला हसताना मनसोक्त बघावेसे वाटते. पण तू बद्यशील याची भीती वाटते. तुइयासोबत दूर कुठे जावेसे वाटते

तुइयाशी खुप खुप बोलावेसे वाटते

पण तू येशील की नाही याची भीती वाटते. तुला मनातलं सर्व काही सांगवेसे वाटते पण तू ऐकून घेशील की नाही याची

भीती वाटते. तूला डोळे भरून पहावेसे वाटते

पण दसरे कोणी बघेल याची भीती

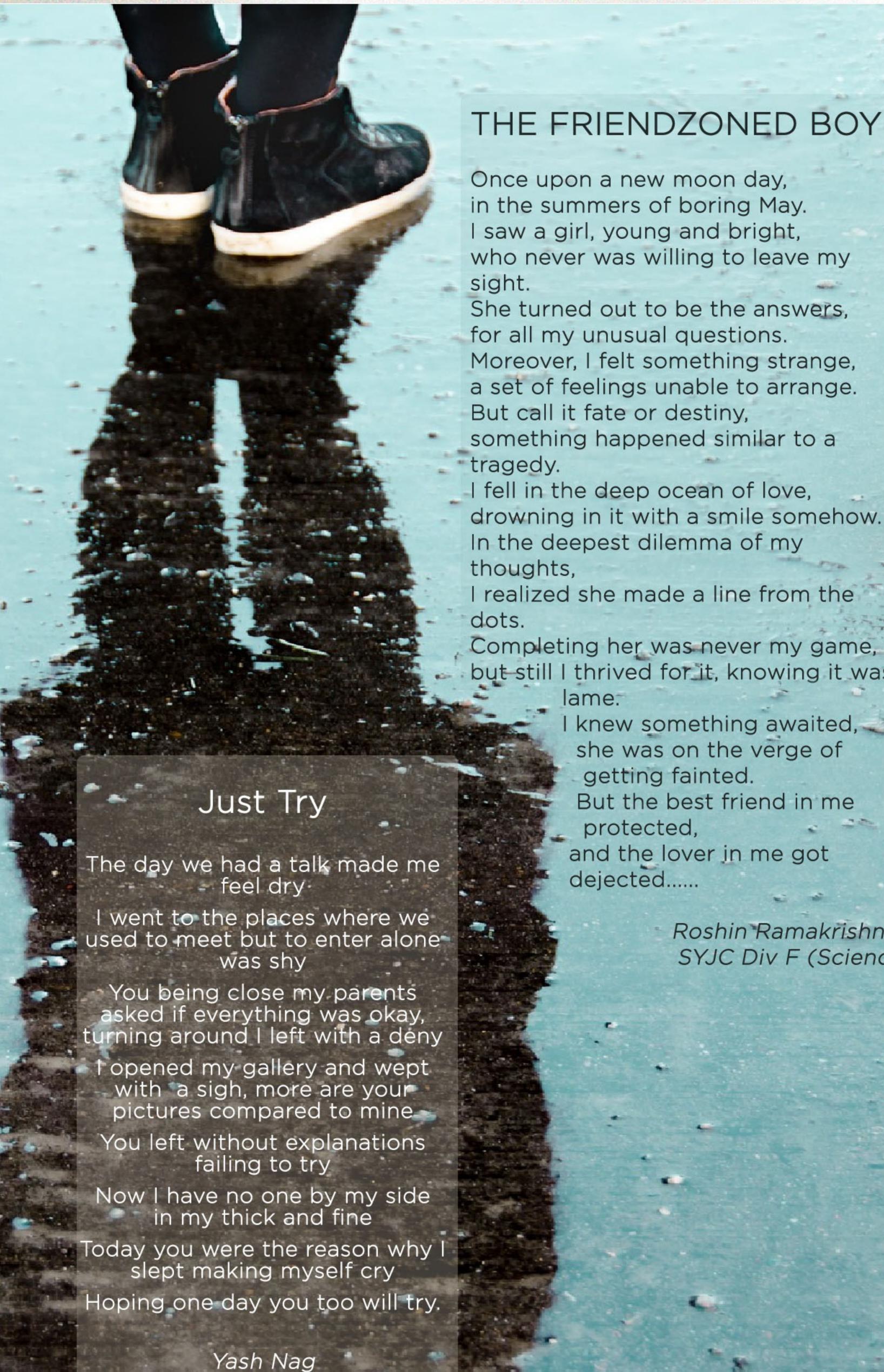
वाटते. तुला हृदयात साठवून ठेवावेसे वाटते

पण तुला कोणी तरी घेऊन जाईल याची भीती वाटते. तुइयाशी खूप भांडावेसे वाटते (मजेने)

पण तुला राग येईल याची भिती वाटते.

तुइयाशी खूप खूप बोलावेसे वाटते

पण सर्वांसमोर बोलायची भीती वाटते. तुइयाशी खूप खूप बोलावेसे वाटते शेवटी बोलायचे राहुनच जाते... माझाच मी !!! Sandesh Shirke FYBSc 'C'



FY BSc CS

### Once upon a new moon day, in the summers of boring May. I saw a girl, young and bright,

who never was willing to leave my sight. She turned out to be the answers, for all my unusual questions. Moreover, I felt something strange, a set of feelings unable to arrange. But call it fate or destiny, something happened similar to a

tragedy. I fell in the deep ocean of love, drowning in it with a smile somehow. In the deepest dilemma of my thoughts, I realized she made a line from the

Completing her was never my game, but still I thrived for it, knowing it was

knew something awaited, she was on the verge of getting fainted. But the best friend in me protected, and the lover in me got

> dejected..... Roshin Ramakrishnan SYJC Div F (Science)

### She was on cloud nine! The present seems upset,

Fly

It is dark, she is alone,

She looked back in time;

How did she land here?

What to do? How to fight? They keep pushing her down, Won't let her rise; But she knows, she knows it all. She won't pull them down, Just push them aside Struggling to make space For her roots to grow even deeper this time. She knew better things are coming, She knew what's right is not going to be easy, Now that she had picked up again, Nothing could compel her to drop After all she had the dreamer's disease! Once again she witnessed her eagle side. You ask why? Because she believed she could So she did, I'm raging with anger, bubbles of wrath foaming At the rim of my mouth Encased in my mind like a fragile work f glass, it extends From my thumb to my pinkie

My Feet Talk

Tu bas ud, Kisi ki fikar na kar

khula aasma hai tere bhitar

Because she dreamed more often

Because she was designed to fly,

udte hue aasma me piche mud ke dekha na kar... Raste bohot the samne kal, par aaj

than she slept,

And so are you!

Nikita Agrawal

TYBA (Psychology)

### jaise udna seekh. Rakh himmat har harkat me, Tere girne ke baad ruka na kar, tuf-

fano se dara na kar... Ye zindagi har ek ko rukkana sikhati hai, par tu usee rafftar dikhaya kar... Khol ke bahen apna pura aasma, tu apne raangon se sajaya kar.. Shweta Gurav

hawake saath behna seekh, parindo

Nightly Muse

TYBA (Psychology)

Tightly contained in a fist Threatening to spill as cubes of cold conversations Saee Patkar Are dropped one after another into me TYBA (Psychology) wonder when this anger is swallowed, Not without cracks and contortions, What concoction will replace it? An afternoon tryst Of sweet patience and dark humor Or a careless splatter from effervescent, Burning heartbreak? didn't know so I asked to be surprised And while I wait, I'm taken far away by a voice I've forgotten how it sounds now It's been so long since, but it takes me away To a place where time doesn't torment By wasting slowly or slipping too fast I'm in no hurry to run, I don't want to escape From here, Where blues and greens and yellows Of cheerfulness don't scare me, And the red is only in my heart. When will I hear you again? When will you touch me again, And take me where I don't need To wait? Where did you take me? How do I find my way back to peace?

The essence of poetry could not have been expressed better! Our very own budding poets in Ruia have poured their heart and soul in the poems and it was an immense pleasure for us, team Op-Ed, to provide a platform for the poets within them. We thank them and our Ruiates for sending us their masterpieces and we only wish we could include more entries. We hope our fellow Ruiates enjoyed reading our column. Stay tuned we'll be back with something exciting next time as well!



# Subjectively Speaking

(Mike tapping) Is this thing on? It is. Ok, here we go!

English: Hello. This is English speaking. I hope you all are in good health an-Economics: (shoves aside English) Ugh,

you're so formal! What's up? I'm your most financially useful subject, Eco! English: Maintain some decorum, would you? This is an extremely signifi-

cant discussion. Economics: It pains me to admit that, but fine. We're here to talk to you about our feelings and opinions.

We've noticed that we aren't being taught the way WE wished. English: Let's begin with a language, the important aspects of it and grammar. Teaching grammar is essential, but you can't just focus on that and ignore my practical side. At the end of the day, you should be able to com-

municate and not just name the tense a person has used in his sentences. Teachers, you can ask your students to pick a favorite novel to read instead of assigning a particular one, and let them form theories on it, change the story a little to suit their interests. Give them freedom to pursue whatever form of writing they want. Allow their

creativity to flow. Economics: When it comes to uses, I'm just as important as this old timer. I mean, you understand me and boom! You know what's wrong with the economic policies of your country. You also find out what's beneficial for your bank account! Of course, teaching me is a tad bit difficult. The theories by Mr. Marshall, their implications, and all the rest; but it's not impossible. Teachers, you have already understood me.

Try to think up ways to make me more interesting.

English: So you admit that you're boring?

Economics: No. I used "more". Pay attention to my words, Mr. Eloquent. Anyway, as I was saying, I'd like to be taught in a practical manner. Help the students understand how I affect their lives, don't just tell them about the "bread and meat" scenario of old England. For instance, look at demonetization. You could first make the students understand all the aspects and then ask them for suggestions or alternatives about achieving that same goal. Involve them in discussions and debates! MONDE

(Loud thump)

Economics: Late to the party. Where were you two?

Chemistry: I'M SORRY!

Geometry: We may have blown up the English classroom while dragging Chemistry away from his experiments. Apologies.

English: Excuse me?

Geometry: I'm sorry we're late. I'm Geometry-

(Screeching)

Geometry: And the one being murdered by English would be Chemistry.

(Eco coughs impatiently) Geometry: We're here to talk about our sides of the teaching story as well. I know how much students can struggle with me. I'm a vast subject, and with so many shapes and formulae I seem like a downright terror to many.

Economics: I mean, they're not

wrong...

(Muffled thump followed by an OW)

Geometry: But the teachers know me, and they know how deceptively easy my topics can be. Yes, my formulae are essential, but it's more important that the children know how these 2D and 3D structures work! Show them models! Draw the graphs! Teach them how to look at shapes as workable objects and not obstacles to overcome, and the pupils will soon find me an easy part of the curriculum.

Chemistry: I can relate to Geometry on being feared. Students find all my reactions and symbols a nightmare to remember. Structures, kinetics, formulae, mechanisms all of which throw many students for a loop. But just like Geometry, I have a logical flow to me. There's no need for rote learning. Teachers don't have everything learnt by heart; they know it's not possible. Teach students that I'm just like a giant puzzle, made of many pieces that may not seem like

they fit together, but they do. Show them the reactions through experiments, and let them try them out for themselves, so they can witness firsthand the forces and substances that keep this world together.

English: In a nutshell, teachers; keep it interesting, involving and important. The students will keep coming back for more. Now, if we're done, Chemistry is coming with me for damage assessment of my class. Chemistry: Please don't kill me. Economics: Well, I think this was a successful recording. Let's go make sure we don't lose Chemistry to a literature-fuelled rage.

Geometry: That's a wrap!

-Natasha Desai,

Sayli Mayekar

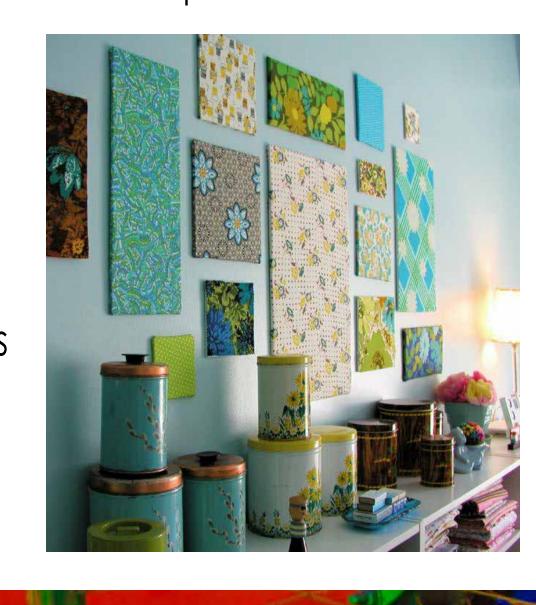
# GREAT WALL OF IMAGINATION

Art does not have any boundaries and neither does creativity. If you think that your wall looks plain and empty, why not be creative? You can decorate your walls with these simple and cheap things.



Doodle Art-There isn't a more quirky and fun way to decorate your wall than doodling. If you are a part of a ny fandom then what a better way to express it than to doodle it out on the wall!

Fabric wall art- Fabric is an inexpensive, creative way to add color, pattern, and texture to a space. Also there are a lot of DIY ways to create beautiful wall art from a simple fabric design. Have an extra piece of fabric? Stick it up on the wall!



Photos- Memories are a must to preserve. We can record our happy moments in photos and display them on our walls in stunning ways. You might also use frames of different shapes to give it a trendy look

Origami Wall Art-Butterflies made by o rigami is a new trend in wall design. You can make beautiful shapes like hearts, clouds, etc out of origami papers and arrange them on your wall. With flamboyant papers having different textures, you may have an explosion of colors





Geometrical art with masking tape-Stick masking tape in random designs which form geometrical patterns on a canvas, and paint the spaces between them with bright colors. This is a d esign with minimum efforts and maximum creativity.

# As time flies...

Lata Mangeshkar, famously known as The Nightingale of India attained worldwide fame after her career started in the year 1942. She was listed in The Guinness Book of World Records in the year 1974 as the most recorded artist in the history of Playback Singing. She has been awarded India's highest civilian award, The Bharat Ratna. This singer with a miraculous voice turns 87 this



# -Ishita Nirbhavne

So we tried to sum up some songs from her vastly recorded work in Indian Cinema-

Lag Ja Gale - Wo Kaun Thi (1964)

Biti na Bitai Raina-Parichay (1972)

Ek Tu Hi Bharosa - Pukar (2000)

Tere Liye - Veer Zara (2004)

Humko Humi Se Churalo (2000)

Inhi logon ne- Pakeezah (1972) Piya tose naina-Guide (1965)

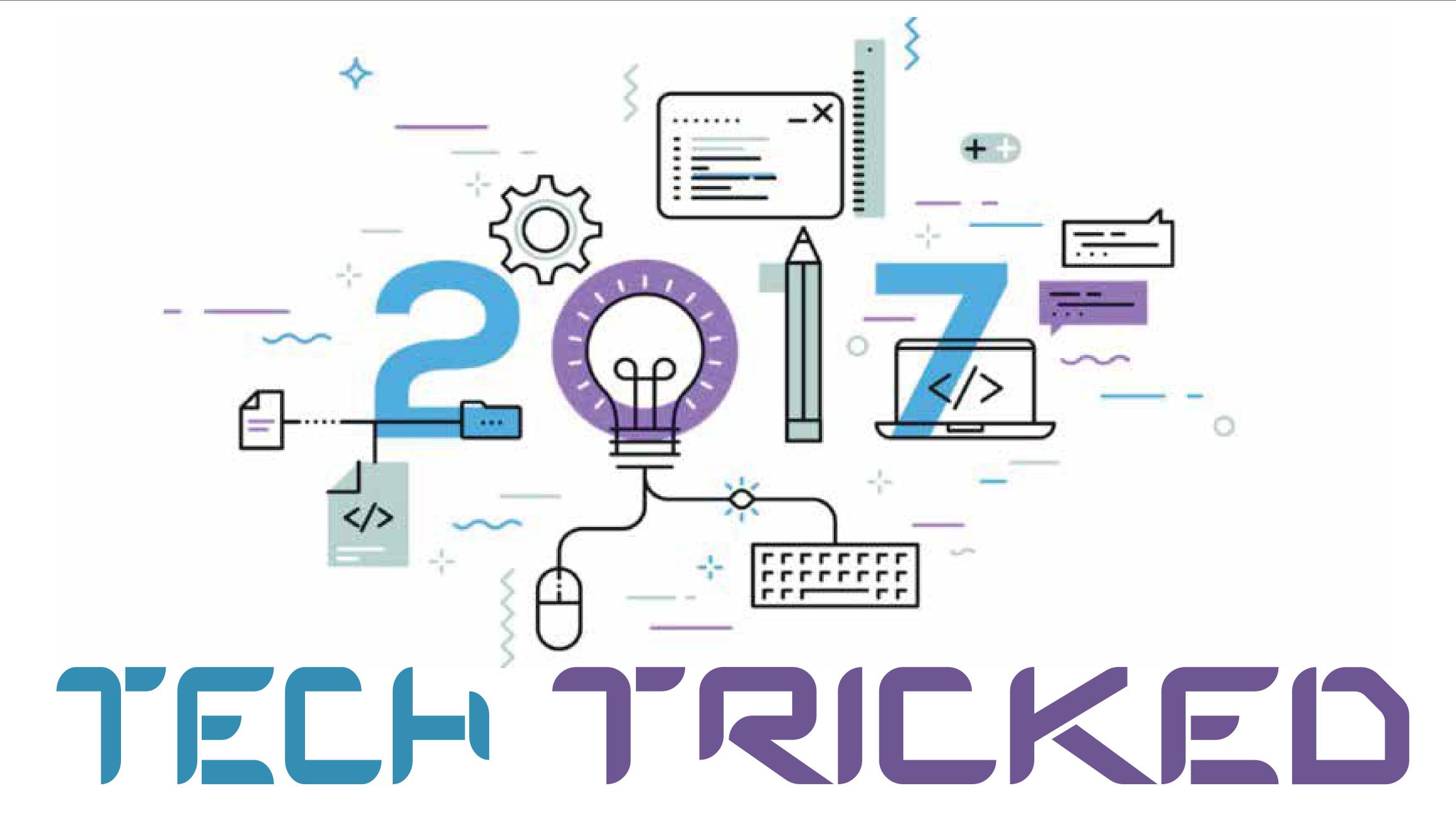
O Palanhaare-Lagaan (2001)

Luka Chipi- Rang de Basanti (2006)

Tu jahan jahan chalega- Mera Saaya (1966)



These are only ten of her many must listen hits. This month, don't stop yourself from listening to her entire discography since her voice and her music will always remain timeless!



# A Guide To Programming Languages

How PL runs the world?

### Have you ever wondered how computers communicate, perform tasks and follow commands that we want? Technology has become well integrated in our daily lives; what with all sorts of devices working to meet our needs. You might use your mobile to edit images using PicsArt or turn your house lights on and off using internet. All of these things work with computers, and everything we want a computer to do has to be translated into a language it can understand. Well, then what is this language that connects both humans and machines? It's Programming Language (PL). Computers and machines require on precise instructions. Everything you ask a computer to do has to be defined in advance. If you want a robot to draw pictures, you can't just ask it to draw an image! You need to describe how and where it should move its arm over the

paper and for how long, in order to draw

the lines that make up that image.

This is where programming languages come in. This gives us an understanding that: "PLs are human build languages to make programs that can be incorporated into the computers and then the computers can decode it into its traditional binary language of 0's and 1's to perform tasks and functions as described in that program." Basically, computers have translating devices such as compiler or interpreter that converts the English written program into binary system and that's how they understand our written PL. Do they know only single language? No. Your computers don't just speak one PL; different languages have been encrypted to suit the tasks you wish to complete. We have

That's what differentiates various PL from each other. One may be suited to program a computer game and another could be used to instruct a robot on how to move! Since the inception of PL in 1940's, there had been numerous programming languages in existence. But with every new PL there came limits, which was always solved in the next PL and whose issues were resolved by the next in turn. This evolution of PL is thus an ongoing open-ended process. The only end would be the understanding and capability of human mind. Just as the development of hexadecimal from binary helped in understanding machines, similarly, the development of future PL from present PL will make computer systems and machines even more efficient and dynamic than what they are right now!

-Vighnesh Lokare

# Programming Languages on the rise!

PL ranging from C++ to Java to Python, each

one with its own features and dominance.

Every PL has its own set of rules and

regulations in the form of syntax and

semantics to be followed.

**Python:** Python is a widely used high-level programming language for general-purpose programming, created by "Guido van Rossum" and was first released in 1991. It is an easy to learn, powerful programming language. It has efficient high-level data structures and a simple but effective approach to object-oriented programming. Python's elegant syntax and dynamic typing, together with its interpreted nature, make it an ideal language for scripting and rapid application development in many areas on most platforms. The language provides constructs intended to enable writing clear programs on both a small and large scale. Python is a general-purpose language, which means it can be used to build just about anything, which will be made easy with the right tools/libraries. Professionally, Python is great for backend web development, data analysis, AI, security, and scientific computing.

Many developers have also used Python to build productivity tools, games, and desktop apps. On Angel List, Python is the 2nd most demanded skill and also the skill with the highest average salary offered. With the rise of big-data, Python developers are in demand as data-scientists, especially since Python can be easily integrated into web-applications to carry out tasks that require machine learning.



Java: Java is a general-purpose computer programming language that is concurrent, class-based, object-oriented, and specifically designed to have as few implementation dependencies as possible. It is intended to let application developers

"write once, run anywhere".

As of 2016, Java is one of the most popular programming languages in use, particularly for client-server web applications, with a reported 9 million developers. Java was originally developed by James Gosling at Sun Microsystems and released in 1995 as a core component of Sun Microsystems' Java platform. Java was designed to be easier to use than C++, which was a notoriously complex language. 90% of the Fortune 500 companies have since used Java to develop desktop apps and website backend systems.

Furthermore, "Android" apps are also developed using Java since Android Operating System runs on a Java language environment. Even the upcoming technology, and a framework "Hadoop" uses Java PL for coding purposes. Java is suitable for writing anything from a distributed application that runs on a corporate network to a database-driven website to host a personal gallery. Java is the 3rd most demanded skill on angel list. Many tech giants such as Google or Amazon also use Java to develop the backend of their web apps, and because Java has a consistent performance, a lot of startups who reach the scaling point would integrate their apps with Java to power feature that need to have good performance.





SQL: Structure Query Language (SQL) is used to communicate with a database. According to ANSI, it is the standard language for relational database management systems (RDBMS). SQL is just a query language and not a database. SQL statements are used to perform tasks such as updating data on a database, or retrieve it. Some common RDBMS that use SQL are: Oracle, Sybase, Microsoft SQL Server, etc. Although most database systems use SQL, most of them also have their own additional proprietary extensions that are usually only used on their system. SQL is a standard language for storing, manipulating and retrieving data in databases.

-Shubham Borhade

# Python vs Java vs SQL

Programming language is a set of instruction to the computer which can be used to obtain various outputs. If Taj Mahal is an App, then the marble is the programming language used to construct it. Programming language is used to give shape and structure to a computer program. SQL, Python and Java are one of the top-rated programming languages currently. SQL (pronounced as Sequel) is utilized for managing data. It's main function is to communicate with a database. SQL statements are used to perform tasks such as update data on a database and retrieve data from a database. Java is one of the most common programming languages in use today. There are many places where Java is used in real world, starting from commercial e-commerce websites to android apps, from scientific application to financial applications like electronic trading systems, and games like Minecraft.

Similarly, Python is used by thousands of people for testing microchips at Intel, powering Instagram, and building video games.

The key difference between Python and Java is that Java is statically typed while Python is dynamically typed. Functions in Java have to be explicitly declared. This means any type errors would result in a program crash. Whereas, Python is dynamically typed. For example, there might be two types: Person and Car that both support operation "run", but Car also supports "refuel." So long as the program only calls "run" on objects, it doesn't matter if they are Car or Person. This is called "duck typing." However, this has its

downsides too. Python is easy to type and

read, but it is difficult to analyze.

SQL is only used for data-centric operations like inserting, deleting and updating data. We cannot write more logical operations in SQL. In Python, we cannot access databases directly.

SQL is a data centered language. It is popular because no matter which company you go to (tech or not), they all have data which requires storage and manipulation.

Companies which require software solutions are the ones which require Java, limiting its general use to tech companies. However, the needs fulfilled by SQL and Java are different and can't be compared directly in terms of quality. But in terms of usage, there is a higher demand for the former.

-Atharva Bidwalkar

# Life of a star I Twinkle twinkle

How I wonder what You are! Up above the world so high Like a diamond in the sky We have sung this nursery rhyme a number of times, wondering what stars are. Well, they are definitely not huge diamonds twinkling in the

little star

sky but huge luminous balls of gas, mostly hydrogen and helium, held together by its own gravity. How is a star formed? Before nuclear fusion, when the sun was still being created in the interstellar nebula, it

its core will contract.

was just a protostar. A protostar is formed when gravity and pressure begin to condense matter in the center of the nebula but no nuclear fusion has taken place yet. When nuclear fusion begins, a star is "born" Later the star enters the phase in which our sun is, that is the main sequence phase, where nuclear fusion turns hydrogen into helium.

After the main sequence phase, the star will become a red giant. A red giant is a dying star in one of the last stages of stellar evolution. When the sun is 12.2 billion years old it will enter the Red Giant phase. At this point, the outer layers of the sun will expand, but

off into space. This forms a planetary nebula. By the end of its planetary nebula phase, the sun will have lost most of its mass, and only its dense core will remain. At this point, the sun will become a white dwarf. A white dwarf is very dense because it contains only the heaviest elements fused over in its lifetime. However, no more nuclear fusion will be taking place.

Because there is no more nuclear fusion occurring in its core, the sun will become much

As the sun nears the end of its Red Giant phase, most of its outer layers will be vented

cooler in temperature and only give off a fraction of the light it once did. Over time the Sun will stop generating any heat or light. The star's core is left behind in the form of either a black hole or a neutron star. So next time you look up at the stars, remember, this is how they were all created and how they will die.

Swara Jamdar

Oldest Stars in Galaxy

Milky Way Galaxy was formed, when the Universe was just 300 million years The stars, found near the centre of the Milky Way, are surprisingly pure but

Astronomers have discovered the oldest known stars, dating from before the

- contain material from an even earlier star, which died in an enormous explosion called a hypernova. "These pristine stars are among the oldest surviving stars in the Universe, and certainly the oldest stars. These stars formed before the Milky Way, and the galaxy formed around them", said Louise Howes, the lead author of Nature.
- The discovery and analysis of the nine pure stars challenges current theories about the environment of the early Universe from which these stars were formed.
- "The stars have surprisingly low levels of carbon, iron and other heavy elements, which suggests the first stars might not have exploded as normal supernovae," said Ms Howes. "Perhaps they ended their lives as hypernovae poorly understood explosions of probably rapidly rotating stars producing 10 times as much energy as normal supernovae.'
- If stars are unusually metal-poor it is probably because they formed very early in the history of the Universe, before many stars had exploded and scattered metals through space. But there's an alternative. Even today, it's possible that there are metal-poor regions of space that could give birth to stars that are metal-poor despite being very young. The researchers looked at the way their stars move to confirm that some of them have always lived in what is now the dense, metal-rich centre of the
- for their low metal content is that they predate the formation of the Milky Way. Aditi Rane

As we have seen earlier, a star lives a magnificent life, and dies magnificently too!

The death of a star is a very remarkable event. So remarkable, that sometimes, it

can be witnessed from our planet, without the aid of any optical instrument. Dying

Milky Way. If this is where the stars were born, then the only way to account

### stars leave traces in our night sky when they turn into Supernovae. Many ancient civilizations observed peculiar events in the sky and recorded them,

An exploding star: Supernova

which are now known to be supernovae. The striking feature of a supernova is that it will be unusually bright, brighter than all other stars in the vicinity. It will arrive as an extremely bright star and slowly fade away, in a short time span of a few months or a year. Here is a short list of the confirmed supernovas documented by various ancient civilizations -Civilization Constellation Year Remanant Chinese 185AD Centaurus G315.4-2.3

Sagittarius Chinese 386 G11.2-0.3 Chinese Scorpio

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|---|------------|--------------|------------------|
| Arabic, Japanese<br>European and<br>Chinese   | 1006       | Lupus        | SNR 1006         |
| North American,<br>Arab, Chinese,<br>Japanese | 1054       | Taurus       | M1 (Crab nebula) |
| Chinese, Japanese                             | 1181       | Cassiopeia   | 3C 58            |
|   |            |              |                  |
|   |            |              | Yash Acharya     |
|   |            |              |                  |
| 47  | The Stairs | Of Evolution |                  |

The story of life on Earth begins with the formation of Earth 4.54 billion years ago. The life and diversity that we see

from a single-celled to a multi-celled life and from water to land and then to air. Assume that we are on our "Ship of

today is the product of evolution that has occurred over so many years! Evolution has seen many breakthroughs,

12:10am- Earth collides with a planet called Theia and the debris gives rise to moon! 02:00am- Heavy bombardments of meteors on Earth brings water crystals with them. 03:44am- The bombardments stop; forming Ocean on earth.

**04:14am-** Life originates in the oceans. These first organisms being the common ancestors to all the organisms on the planet.

So the journey begins at midnight as follow.......

12:00am- Earth is formed.

**05:16am-** Evolution leads to bacteria that could produce oxygen i.e. the first ever photosynthetic organisms emerges. 10:41am- Great oxygenation Event occurs as oxygen is no longer captured by oceans or land, resulting to significant increase in atmosphere quality due to ozone layer formation.

imagination!" that takes us on a journey, showing the entire story of earth in one single day!

**09:10pm-** First trilobites appear! They are the ancestors of the arthropods. 09:20 pm- First fishes appear!

...For the next 12 hours life evolves from single celled prokaryotes to eukaryotes leading to multicellularity thanks to

09:36pm- Life emerges on the land as first land plant occurs. 09:52pm- First insects develops! 10:40pm- Largest extinction event known as Permian extinction event occurs which kills nearly the entire marine and

10:47 pm- The age of Dinosaurs commence as the early dinosaurs become the most dominating species on earth! 10:56pm- The mammalian epoch!

the flourishing atmosphere that brings about these changes.

06:40 pm- First plant life emerges! Probably in the form of algae.

11:59:12 pm- The era of Homo sapiens begins! ....and 4 seconds before this moment the modern humans turn up!

insect life!

Did You Know?

was unexpected. What made Mumbai so vulnerable to it?

The drainage system was unable to serve its function.

One of the fastest growing economy faces the problem of improper

infrastructure. Roads and rails could not survive during rains. Roads

get potholes in less than half a year after its construction, let alone

years. The backbone of the city needs a much-needed supervision.

11:40:48 pm- Last mass extinction ends the age of dinosaurs!

Philosopher Herbert Researchers believe Spencer coined the phrase "survival of the fittest" to that goose bumps are a remnant of thick hair summarize Darwin's that covered early theory and not Darwin himself. humans. Humans share about New research shows 50% of their genes that people with blue with a banana. eyes have a single, common ancestor. Aditi Patil

DRAINED MUMBAI: THE BACK STORY

Aamchi Mumbai has had several encounters with heavy down pours. Still, the severe rainfall on 29 August 2017

### Pollution: Pollution is no stranger to Mumbai. Every day, the pollution in Mumbai grows. The insane human presence is directly proportional to it. The

Here is why:

Poor infrastructure:

green cover decline is quite noticeable and much so, affects pollution. Trees maintain ecological cycles that grant us water. Pollution adversely affect these cycles and eventually erupt into irregular cycles of rains.

The coastal trees avoid floods and high tides to a significant extent. As a result, out of domestic spaces and conventional purposes, the trees are cut. Rohan Pawar

TYBSc

Vighnesh Lokare

Can floods be prevented? As parts of India again deal with severe flooding, questions are being raised about how flooding can be prevented or alleviated.

Here are some ways in which we can make the city ready for any eventuality due to incessant rain.

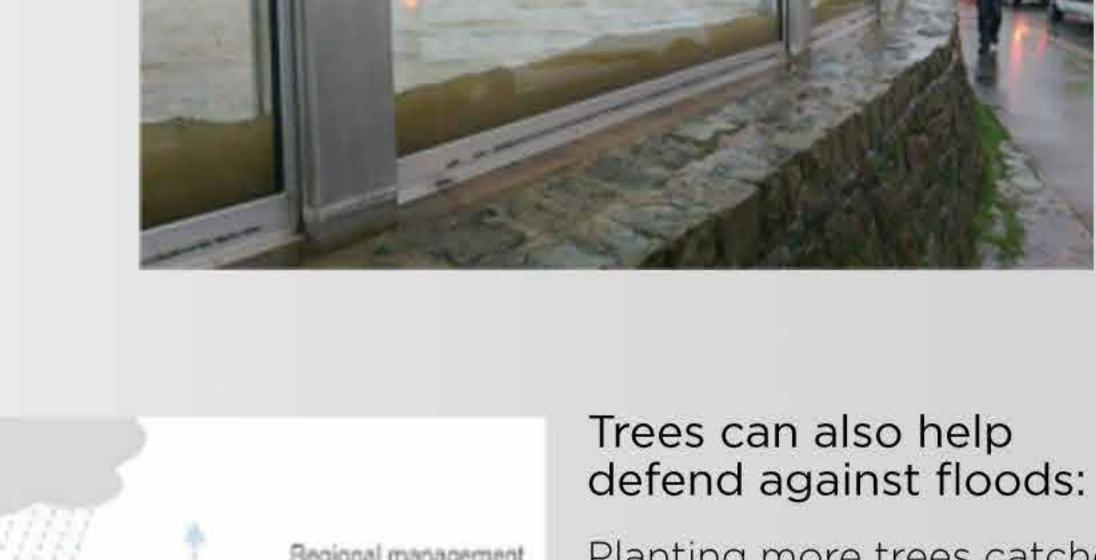
### Frame barriers consist of rigid frames holding an impermeable membrane and use the weight of the

waters recede.

Frame barriers:

floodwater itself to hold the barrier in place. Lightweight sectional metal barriers are relatively inexpensive and can be placed in various

configurations and removed completely when



Sustainable drainage: It is a concept often applied to towns and cities which are especially prone to flash

rain. In urban areas, large areas of concrete and tarmac, as well as the roofs of buildings, are impermeable to water. Rain is

Housing development Regional management Intitypoor Filter strips Permeable paving/drives Wetlands, water courses Wet basins or ponds Source: Sundmin/C/RIA drainage systems which can quickly become overwhelmed.

Planting more trees catches

rainfall and helps take water from the soil. And lastly Repairing of

potholes on the roads and Creating a cleaning force for garbage removal can solve most of the problems that are faced by layman.

channelled straight into

flooding after sudden heavy

Sustainable drainage guidelines suggest that impermeable surfaces should be

replaced with permeable material, allowing rainwater to drain into the ground a process known as infiltration.



Hey there, Ruiaites!

Wondering what's this new oddly named column thingy? Allow us to explain! The Ruiaite Monthly, ever-evolving that it is, has introduced a brand new column, starting this month, dedicated to all you globetrotting travelers (and not tourists:p) out there! Welcome to Safarnama, the traveler's' paradise!

By way of this column, we commit ourselves to bringing you the most unique travel tales ever, things that you may have never heard of! Every single month, you will be delighted to read some adventurous, enchanting travel experiences of fascinating travel experts. Together, we shall explore not only their one-of-a-kind voyages, but also the countries, states, or cities that they have visited. We aim to take you around our immense world and around our magnificent country via all these mesmerizing tales, as well as through some of our distinct sub-sections, which shall deal with a wide range of themes, right from a mini-guide on how to go backpacking to the best way to pack your bags!

This being our flagship edition, we have decided to acquaint you to a few locations made famous by some of our legendary Bollywood

films. And hence, we invite you to walk with us down the path of the cinematic lives of your favourite actors and actresses. Wouldn't that be the best way to begin exploring the globe? And definitely don't forget to check out our expert write-up on backpacking at the end of this edition! All aboard? So, let's embark on our voyage of a lifetime!

### ZINDAGI NA MILEGI DOBARA

This is a beautiful movie directed by Zoya Akhtar that will encourage you to live life to the fullest. Watching it will leave you with wanderlust for exotic places and an urge to travel. The storyline of the movie revolves around 3 friends who finally go on a road trip across **Spain** after planning it for years. All three of them drive through iconic Spanish cities like Barcelona, Costa Brava, Seville and Pamplona in a vintage car. They take up adventure sports that test their fears, like skydiving in Seville, bull run in Pampalona, and deep sea diving in Costa Brava. Their adventurous journey has many surprises in store for them, like the La Tomatina Festival of Buñol, a memorable Flamenco dance session and typical Spanish songs. The movie is laid down in a way that the audience could see the

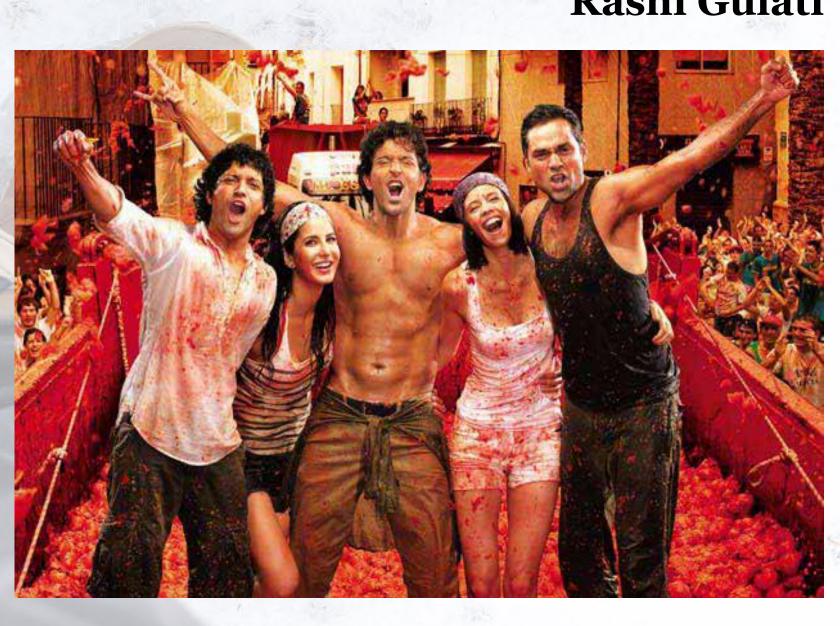
actors having fun and feel the thrill. It must be noted that it has beautifully incorporated the lesser explored Spanish regions. While most of the movie has been shot in Spain, it also features bits of India, Egypt and the UK. What's more, the movie also has inspirational poems by Javed Akhtar as a cherry on the top! These lines from one of his featured poems will definitely ignite your traveller's spirit-

"Jo apni aankhon mein hairaniyan leke chal rahe ho Toh zinda ho tum! Dilo mein tum apni betabiyan leke

chal rahe ho

Toh zinda ho tum!"

Rashi Gulati



### **TAMASHA**

When our dreams of vacationing in sunny picturesque locations don't come true, we often turn to Bollywood films in order to get our fix. Bollywood films have always been appreciated for the locations they've been shot in, and recently, there have been a lot of releases which feature actors travelling to foreign locales.

When someone talks about the 2015 movie "Tamasha", the first thing that often comes to mind is the beautiful island where a major part of the movie was shot – **Corsica**. Tamasha has some stunning shots capturing the beauty of this place.



Corsica is an idyllic, sun-kissed French paradise located just above Sardinia, off the coast of Italy, in the Tyrrhenian Sea. It is blessed with some fantastic sandy beaches and is the perfect place to sit back and enjoy breathtaking sunsets.

It has a wonderful Mediterranean weather, and warm and crystal clear water. It boasts of a coastline that stretches over 1000 km around the island!

Exploring the places where Tara's love for Ved first blossomed will leave you starry-eyed. The movie leaves us wanting to pack our bags and jump on the next flight to Corsica!

Apart from Corsica, the movie features many other charming locations like Simla, Delhi, Kolkata and Tokyo. From the actors wandering in the streets of

Corsica, exploring the place, sitting on a hilltop during sunset to capturing the quintessential elements of Simla and Delhi, the movie is a visual treat for all travel buffs.

Shreya Nair

### **ENGLISH VINGLISH**

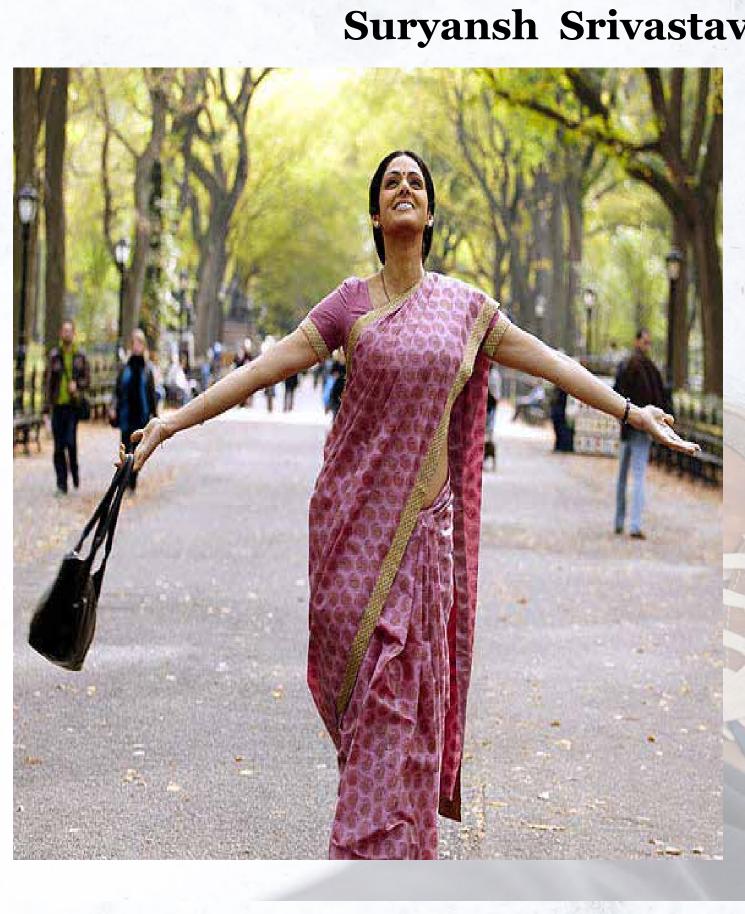
NEW YORK'S SPIRIT IN BOLLYWOOD'S SOUL Some amount of sunshine and glee's smidge,

A stroll in the Central Park, A peep down the Brooklyn Bridge, Scintillating after dark, A boat ride to Liberty Island, To 22nd Street in the subway, Americano with a new friend, Would you call it a New York kind of day?

Ever wondered what it is like to be lost in the city of dreams sans any ambition of your own? Gauri Shinde's English Vinglish makes you do just that. The plot follows Shashi, a homemaker who is regularly mocked by her husband and daughter for not knowing how to speak English, in her pursuit of learning the language in New York City. Saree-clad, scared yet undeterred, lost but not ready to lose, the protagonist navigates through the alleys of Brooklyn, shops at Upper Manhattan, catches her breath at the Times Square, admires the bustling streets of the Broadway, grabs coffee enroute to her classes, and makes friends on subway rides back home. herself. The movie brilliantly portrays

The movie brilliantly portrays America's melting pot of culture that everyone aspires to take a dip in. Every frame is empowering and every step, liberating. This masterpiece embodies the soul of New York City and yells from the top of the Empire State Building: we may place linguistic barricades around people but heart has a lingo of its own. So when are you hopping onto a flight to NYC?

Suryansh Srivastava



### DILWALE DULHANIA LE JAYENGE



With its romanticism of London, unforgettable dialogues and blockbuster music, Dilwale Dulhaniya Le Jayenge changed the course of Hindi cinema. Apart from immortalising Shahrukh Khan and Kajol as the most loved on-screen couple, it also gave us some major travel goals with its picture perfect locations.

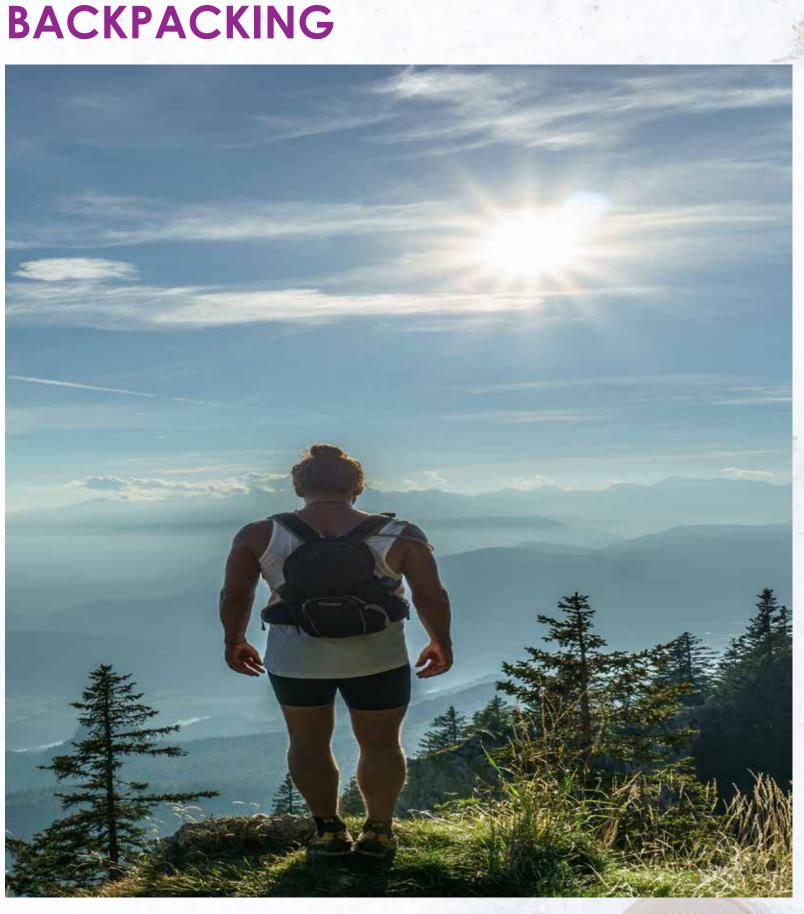
The film has been mainly shot in **London**, Switzerland and India. It begins with breathtaking snaps of London's iconic monuments such as the Big Ben, the Tower of London and so on. Trafalgar Square, set in the heart of London and adorned by artists and scenic

views, is a major tourist attraction. Another important landmark featured in the movie is the King's Cross Station, where Raj and Simran catch the Eurostar. Potterheads, you can expect to find even platform 934 here!

Moving on to **Switzerland**, a portion of the famous song "Zara Sa Jhoom Loon Main" was shot in the main promenade of Gstaad, a tiny yet charming village in western Switzerland. This promenade is a completely car-free street with local shops, international boutiques and eateries neatly lined up. Junfraujoch in Switzerland is where another portion of the same song was shot. Famous for skiing, this spot is extremely popular among the Indian tourists. One can even expect to find Indian food stalls easily over here!

Needless to say, not only has this epic movie found a place in our hearts, but it has also motivated us to pack our rucksacks and trudge our way through the jewels of Europe!

Priyanka Tibrewal



Open roads; luscious green fields; cool wind; a beautiful sunset from atop a mountain; an even more beautiful sunrise from behind the trees; the warm touch of the sun's arms on

your face; the soothing embrace of the

stimulants of a traveller.

moon's faint cloak; all are nothing but the

In today's world of meticulous planning and running in circles, backpacking has become a popular activity by which people find their true selves and connect with others. Backpacking is as simple as throwing a stone in a random villager, some hundred kilometres river; all it requires is your willingness and determination. The mantra of backpacking is to carry your essentials, with stress on 'essentials', and to stay on your feet.

One can easily spot such wanderers in cities like Delhi, Mumbai, Haridwar and Rishikesh, carrying a single humongous rucksack on their backs and the joy of living life

A conversation with them is a very enriching experience in itself; you learn about their adventures, their struggles and hardships. Yet you would find yourself talking to a away from home.

So grab a bag, laugh at the society and its twisted ways, and set out, for there is nothing more satisfying than sitting by a warm fire on a cold night by the sea, with a couple of strangers to share that splendid moment

**Chinmay Patwardhan** 





Hello Ruiaites, this column, 'Fictionally Yours' began in August. This is the second story in the series. If you haven't read the earlier story, don't worry you can still read it on the Ruia College Official website. It was published in the August edition of Ruiaite Monthly. I hope you like it.

Recap:

Varsha di did not invite me to her birthday. It made me very angry. She is not my friend anymore. I don't want to go to her place but mamma said we will. I don't want to talk to her. I hate her.

The story: 'My Unknown Husband'. Varsha's Point of view (POV)

"You said you were angry with Varsha di and not talking to her. And now, you are eating chocolates sitting next to her. That too ALONE!" Veda was fuming.

"I know, but...I couldn't say no to these chocolates. See, they are sooo tasty. However I'm still angry with her. Stop staring at them Veda, I'm NOT sharing, it's MINE" Jay replied, pulling the chocolate away from Veda's reach.

"Why were you angry with me, Jay?" I asked, rather confused.

"Because you did not invite me to you birthday that mamma calls 'mar-riage'."

"Oh dear!" I was suppressing my laughter. I wonder what made him think like that. But how do I explain marriage to him? He's still very innocent.

"Marriage is not birthday. It's different. Umm...it's like, when two people love each other, they get married."

"My friend Tanisha loves her pet dog. Will she get mar-ried to it?" Veda innocently asked. Oh Veda...she's so adorable. "No silly, she won't. Humans marry humans. Like I'm marrying...."

"Whom di?" Veda was waiting for my answer, after a long pause, I replied.

"Mihir."

Jay asked,"Do you love him Varsha di?"

"I don't....know."

\*\*\*

I'm standing, at the entrance of this huge villa, with my 'Unknown Husband' next to me. Was it a mistake to get married to him? Had I not been married, I'm sure I would have taken that job offer in Vashi. Now I'm stuck with this person who I don't even know. I should have waited. It wasn't like the supply of eligible bachelors was running out. Oh god, what have I done? What if I run away?

NO! I can't run away, how could I even think about leaving my family? That would be a betrayal of their trust. I can't just leave. Moreover no one forced me into this arranged marriage. I just thought that I should settle down and so I did. It is like a promise. I can't break it.

I have to adjust to it. This is my 'Reality'. Forever.

\*\*\*

I can't believe my life has changed completely. I don't sleep on My bed anymore, nor do I sit on the sofa at my place. I'm not yet used to the furniture here. How am I going to adjust to these people?

I thought of speaking to him, My Husband, but he appears so distant. A complete workaholic. We've hardly spoken since I came here. I don't even expect him to understand me. I'm seriously rethinking my decision....I can't adjust to it. This can't be my 'Reality'.

\* \* \*

I'm boarding the plane ready to leave for my honeymoon in Paris. We're in the business class. Wherever I look I see expenses. It's not like I can't afford this at all but there's no need to show off. Is it that Mihir is trying to show me, how lucky I am to be his wife? Yeah, that could be it. Yesterday he even handed me his credit card saying "Use it whenever you need it. Don't think about the expenses okay? Use it the way you want to." He was quite arrogant then.

Looking down on me? That is so NOT acceptable.

kind of heavy for me and was trying to put it in the storage above my seat. That's when Mihir came.

"Let me help you. It seems quite

I was carrying a bag which was

heavy."

"DON'T. You think I can't live

without your help? If you think so, you are living under an illusion because, that's NOT the case Mister! Just stay away from me. I can handle it" He was surprised. Well, he better be.

I was trying my best to push the

bag into the storage but my hand slipped and the bag fell on me. (As usual the clumsy side of me was back, always at the wrong time.)

"Because...I'm a very lucky husband to a beautiful and smart wife",he replied, holding my hand. Aww, he's such a charmer. "My beautiful wife, that screams like a choking hyena. Just don't scream again dear, it's pathetic." He started laughing hysterically. (Okay, he isn't a charmer anymore.)

I'm standing at the entrance of the grand villa after spending a

\* \* \*

grand villa after spending a week-long honeymoon with my dear 'Unknown' Husband. I giggled at the thought, the last time I was standing here, I didn't know if marrying him was the right decision, but now I believe that it is the best thing that has happened to me. I have discovered a life partner in him. He isn't my 'Unknown' husband anymore.

\*\*\*

screamed like the bag was going to kill me, attracting attention from everyone on board. Mihir pulled the bag from over me. The air hostess came and helped us.

Mihir and I were sitting and the

uneasy silence engulfed us. I was

To add to this embarrassment I

waiting for his taunts or some kind of sarcastic remark. But he said nothing. Out of nowhere, I burst out laughing. (Yeah, I accepted that I was being silly.) I took him by surprise but then he relaxed and gave me a smile.

But it's just that I'm not able to cope up with this change after marriage and I... I felt that you are trying to show off your money, so...."

"I'm sorry for that rude behavior."

It feels great to be back home. I don't feel the burden I had felt earlier. I guess I should have initiated a talk rather than judging him. 'All's well that ends well.' I'm happy I ended up with him.

bought for OUR family.

"Honey can you bring Diksha

We're giving away the gifts we

out? I guess I lost my sister in her room." He said, a smirk on his face.

"Sure, why not? We can even call

the CID and detectives."
Everyone started laughing. I
guess we both love being
sarcastic.

"So, you just kind of lost it", he sensed my loss of words.

being judgemental."

"Yeah, I'm really sorry. I was

"Hey, don't say sorry. Look I can understand that it must be very difficult to adjust to this environment. But don't worry, I'm with you. And I'm sorry I made you feel self conscious. It was purely unintentional and I'll make sure that it doesn't happen again. I know we're bound by this 'arranged marriage' and I know I have not been giving us much time. Even was hesitant in the beginning but now, I want to give it a try. You know why?". I raised an eyebrow questioningly.

I left the living room and approached my lovely sisterin-law Diksha's room. I remember calling her earlier but she didn't respond. I hope she's fine. I knocked on the door twice before entering. There she was, leaning on the windowpane, lost in her own world.

"Hey Diksha!Um, we're back

dear!....Diksha?"

coming. Sorry."

little lost."

"Oh, hey I...I didn't see you

"Are you alright? You seem a

was still hesitant. I sat on the chair next to her. There were dry tears on her cheeks. Her eyes were puffy. She looked rather pale.

"It's nothing", she replied. She

"You don't seem fine. What's bothering you? Is it someone from college?" She remained silent. I guess it's time to trust

"So...who's the guy?"

my intuition.

"How do you know it's a guy?"

"How do you know it's a guy?".

"That's not the answer dear."

tear made it's way down her cheek. Whoever he is, if HE is the reason she is crying, someone is in trouble.

"Well...he's from college." Another

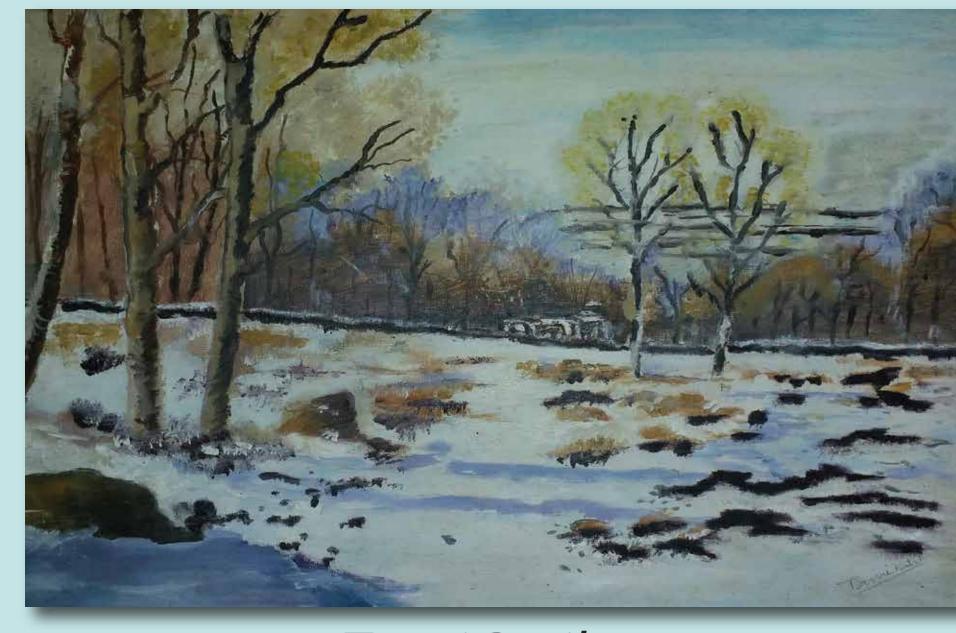
moment of pin drop silence. Soon a

"Oh god, vahini I'm such a coward. I didn't even wait for his reply. And now all I have are the memories.....memories of his teary

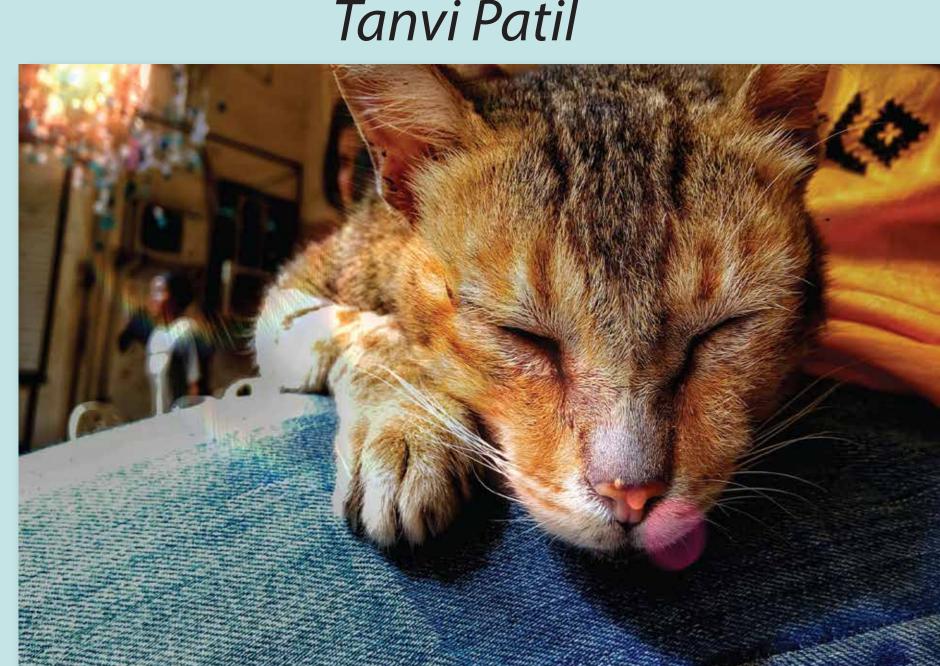
To be continued....

lemon green eyes."

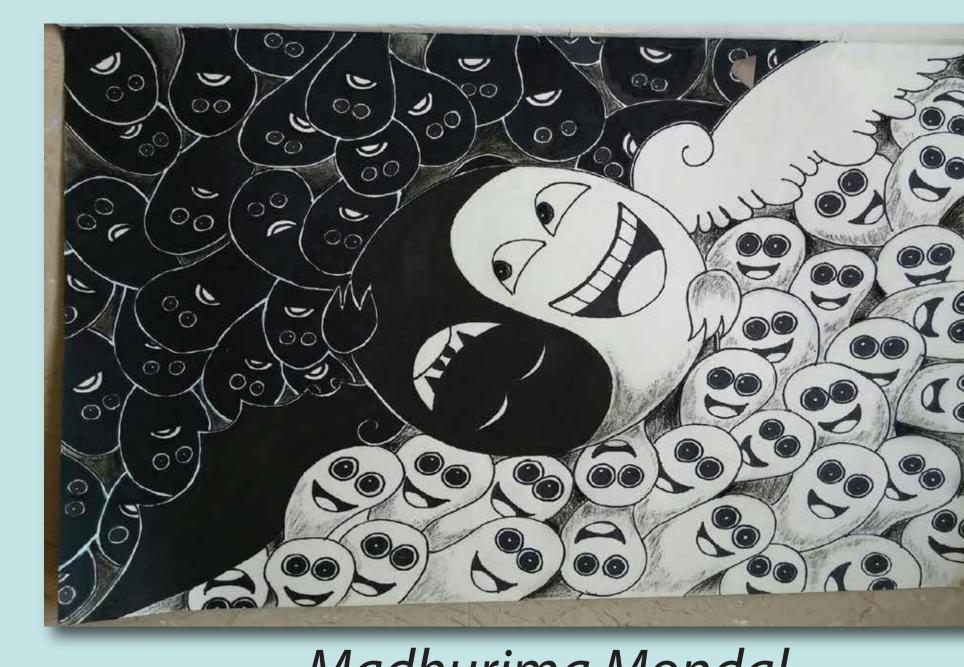




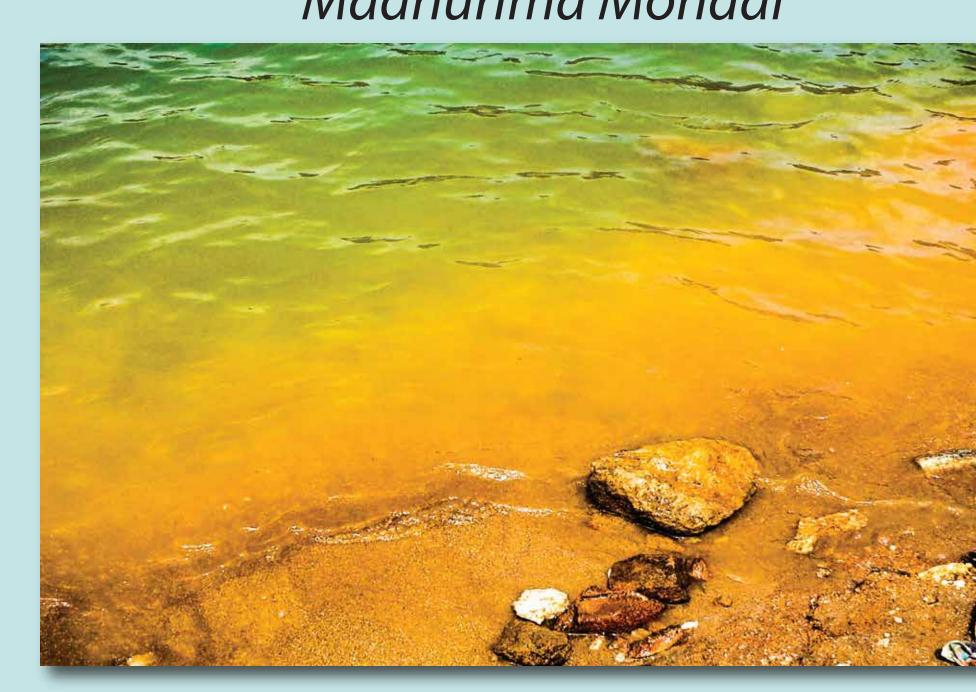
Tanvi Patil



Rahul Premkumar



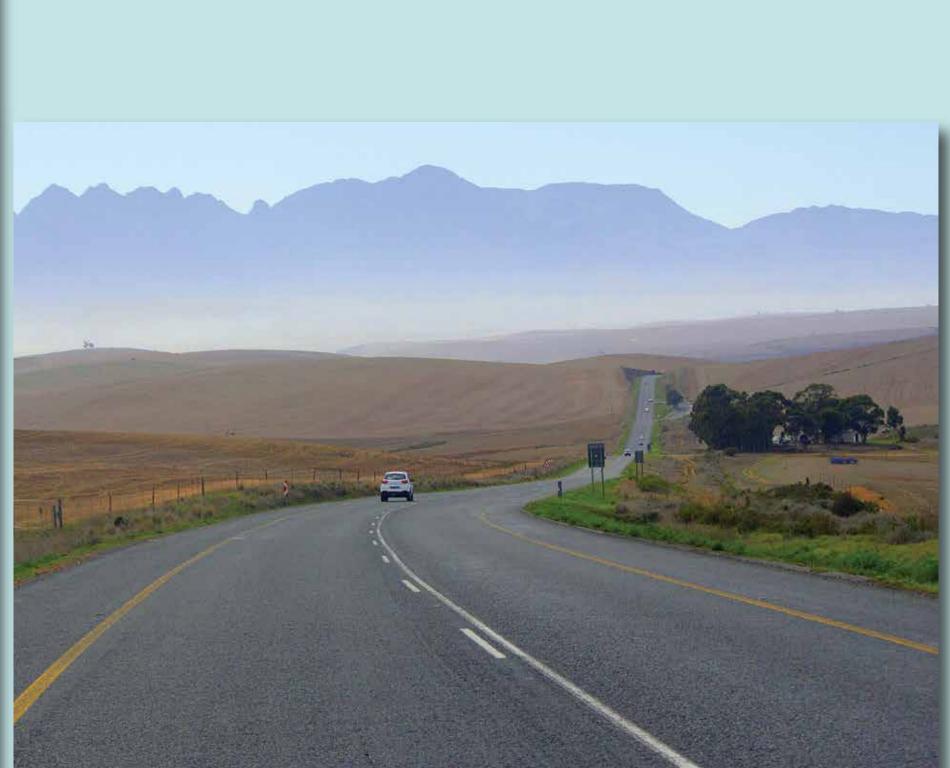
Madhurima Mondal



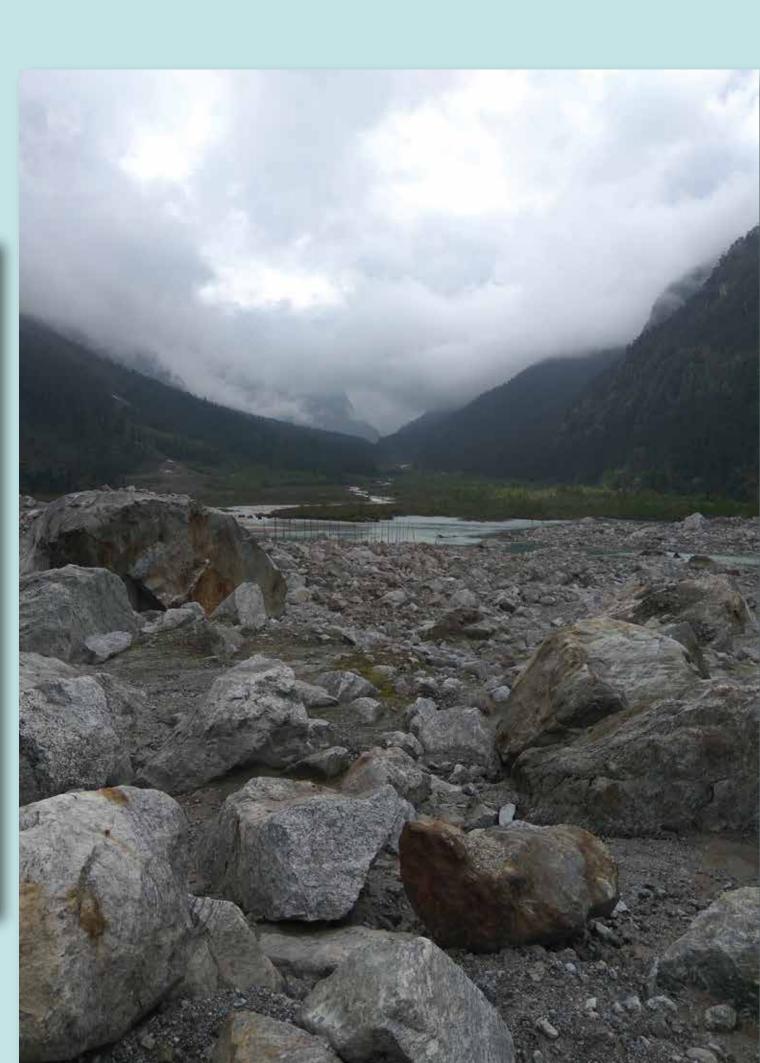
Tanmay Mane



Sarangi Bhandarkar



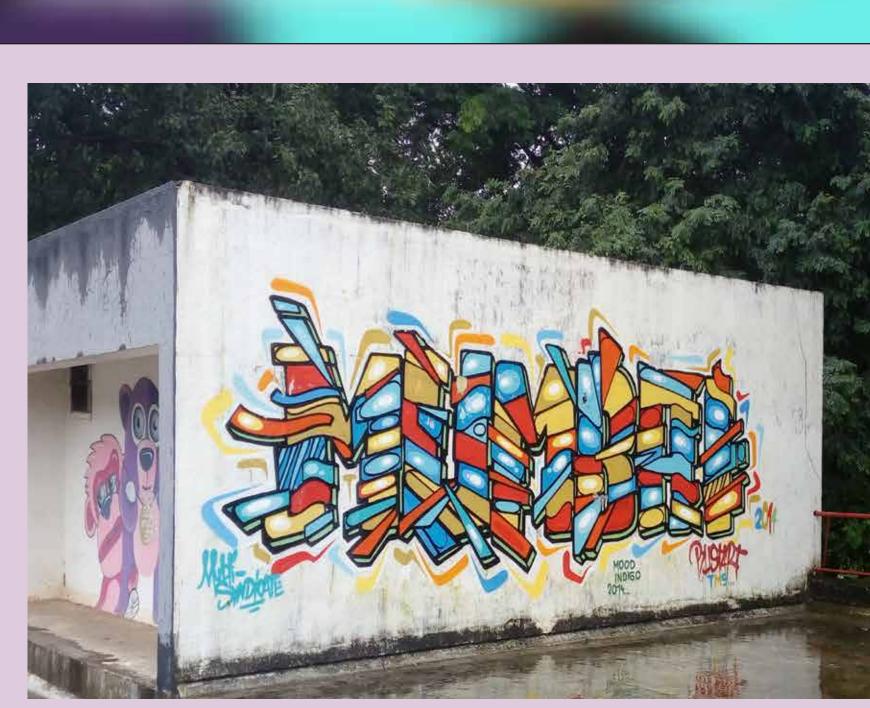
Rutaja Kedare



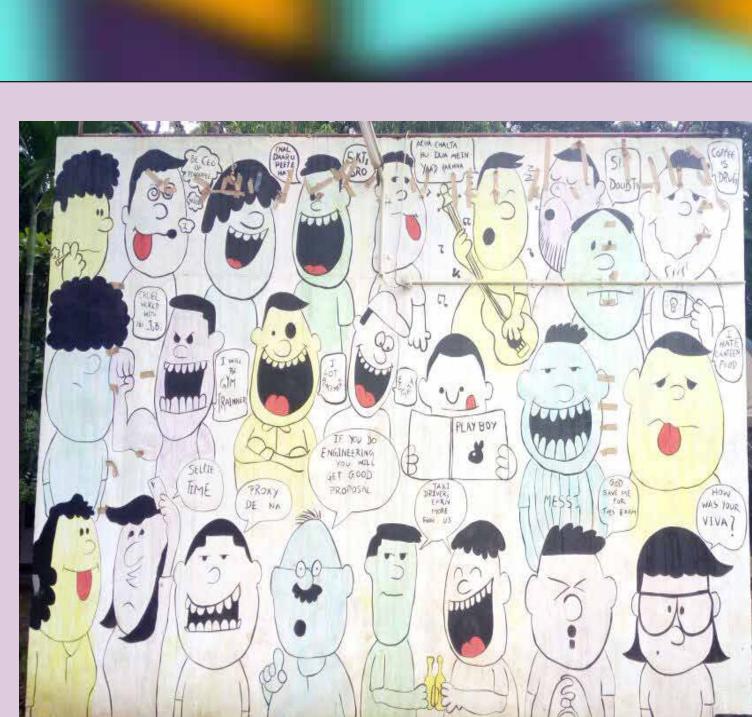
Anuradha Kamat

# Brush. Paint. Game. ARTIST'S WALL OF FAME Roaming Around The City

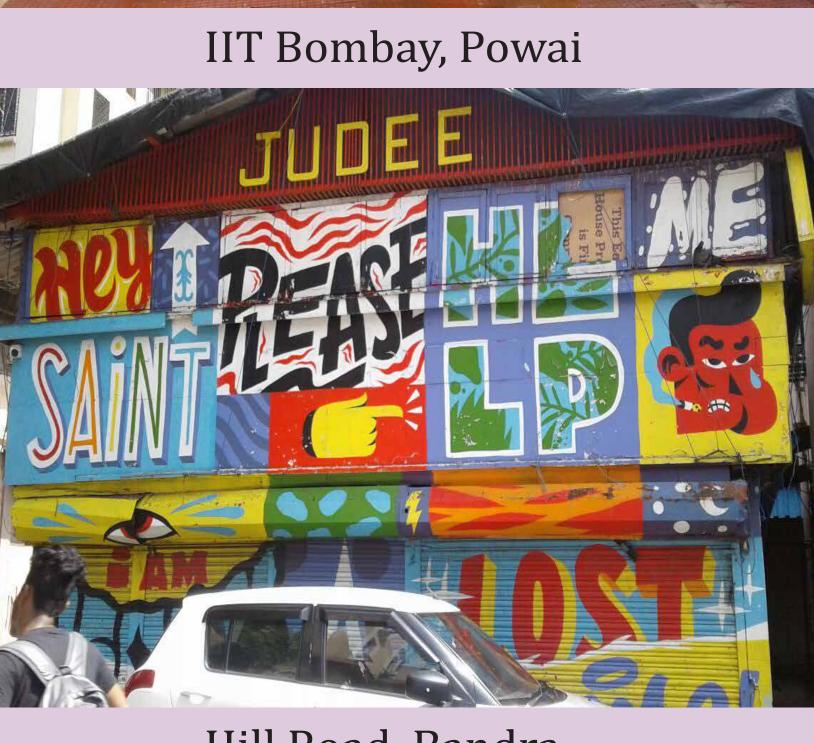




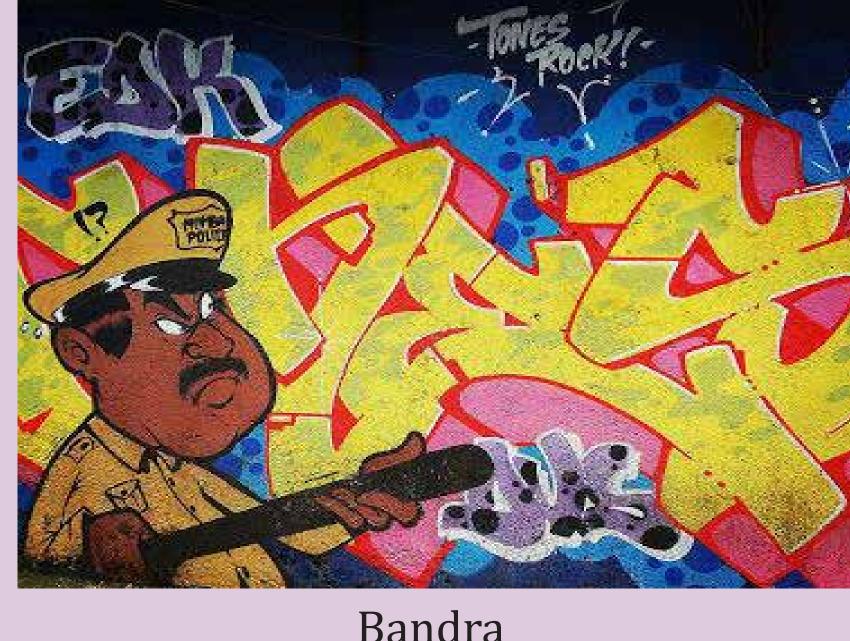
IIT Bombay, Powai



IIT Bombay, Powai



Hill Road, Bandra



Bandra



Bandra

From the ancient times, streets have been the heart of creativity and expression. It was in these streets that many popular art forms of the modern world were discovered, and among these was street art and graffiti. The aesthetic artwork, on the walls, that we enjoy on a walk today started out as an act of vandalism. Over the period of time it has evolved to new modes where artists try to spread messages, or just simple beauty, to the audience. Street art or Graffiti art ranges from simple written words to elaborate wall paintings. Basically, there are eight types of graffiti: tag, throw-up, blockbuster, wildstyle, heaven, stencil, poster and sticker. These classifications are crude and vague; as we realised while classifying the photos of graffiti from around Mumbai.

There are many different types and styles of graffiti; it is a rapidly developing art form whose value is highly contested. In other mediums like fine art or design, graffiti art keeps this spirit of keeping you on your toes by manipulating familiar images or sayings. Having explained the how, what and why of street art we now delve into the question of its nature. Unlike modern art, that demands a deeper understanding, graffiti art is simpler to grasp and for the common man to associate with. The never-ending streets and walls become the canvas of these artists leaving an impression on the world. We are in the age of expression, as I see it, and what better way than art?



# Le guide

C'est un poème Que je voudrais toujours écrire, J'ai tant de beaux mots Pour vous décrire!

Vous nous dites, "travaillez un peu Sur le vocabulaire. Mais n'utilisez pas Le dictionnaire!"

Faites des efforts, Surmontez vos peurs Et sentez la joie extraordinaire dans vos cœurs!

Le secret du succès C'est la persévérance Et ne pas juger Les choses selon leur apparance!

L'apprentissage donne un nouveau élan à votre vie. C'est comme avoir Le beau soleil au ciel qui brille!

Vous me dites qu'il faut travailler dur vous croyez que j'y arriverai au fur et à mesure!

La vie d'un prof N'est pas tellement facile, Elle simplifie les choses qui sont vraiment très difficiles!

Vous avez réveillé l'étincelle en moi! comment je peux vous remercier, je ne sais pas moi!

# National Assessment and Accreditation Council

The NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL (NAAC) is an autonomous body established by the University Grants Commission (UGC) of India to assess and accredit institutions of higher education in the country. To address the issue of quality of higher education, the National Policy on Education (1986) and the Plan of Action (POA-1992) advocated the establishment of an independent National Accreditation.

Consequently, the NAAC was established in 1994 with its headquarters at Bangalore. If any higher educational institution wants to apply for NAAC, then the applicant institute has to obtain the

Institutional Eligibility for Quality Assessment (IEQA). After receiving a confirmation, a self-study report with details of all aspects related to the College or University has to be submitted. A peer team will review this report and later visit the institution for examination. Based on their Grade, Certification and Accreditation is given to the institution.

In pursuance of its Action Plan for performance evaluation, assessment and accreditation and quality upgradation, the NAAC proposes that every accredited institution should establish an Internal Quality Assurance Cell (IQAC) as a post-accreditation quality sustenance measure. Since quality enhancement is a process, the IQAC will become a part of the institution's system and work towards realisation of this goal. The prime task of the IQAC is to develop a system for conscious, consistent and catalytic improvement in the overall performance of the institution. And for this, it will channelize all efforts and measures towards holistic academic excellence. promoting its

# RUIA INTERNAL QUALITY ASSURANCE CELL (RIQAC)

### **Objective**

The primary aim of IQAC is to take conscious, consistent and catalytic action to improve the academic and administrative performance and to promote measures for quality enhancement through internalization of quality culture and institutionalization of best practices.

### **Strategies**

IQAC shall evolve mechanisms for a) Ensuring timely and efficient performance of academic, administrative and financial tasks.

b) Improving quality of academic and research programmes and sharing research findings.

c) Accessibility and affordability of academic programmes for various sections of society d)Optimizing and integrating modern methods of teaching and learning

e) Improving evaluation procedures **f)**Maintenance and proper allocation of support structure and services.

### **Functions** Some of the functions of the IQAC are -

g) Networking with institutions in India and abroad.

a.) Developing quality parameters for all the activities of the institution. b.) Creating a learner-centric environment for quality education and adopting faculty maturation for participa-

- tory teaching and learning process. c.) Arranging feedback response from students, parents and other stakeholders on the quality of the institu-
- tional processes. d.) Giving information on various quality parameters of higher education and documenting the activities and programmes leading to quality improvement.
  - e.) Organizing institutional workshops, seminars on quality related themes f.) Acting as a nodal agency of the Institution for coordinating quality-related activities
- Ben
- b.
- d.

### e.)

| Ensuring inter            | nalization of quality culture ar                             | orking towards quality enhancement.  Indicoordination among various activities of the institution.                           |
|---------------------------|--|--|
| Acting as a dy            | namic system for quality char                                | to improve institutional functioning;<br>nges in HEIs<br>umentation and internal communication.                              |
| Carried Out               | By The IQAC  |  |
| College.                  |  | QAC has been displayed on the official website of Ramnara  |
| upholding ou              | r commitment towards gende                                   | suggestion boxes installed by the IQAC throughout the coll<br>r sensitivity, the college will shortly be undergoing a Gender |
|                           | tion with the IQAC and two ot<br>Committee Against Sexual Ha | her committees - Ruia Cell for Gender Sensitization and Equarassment (RCASH).  |
| о <u>г</u> у <del>с</del> |  |  |
|                           |  | TIIE AMADEMIC VEAD 201   |
| IA CULI                   | LEGE COMMINICE   | ES FOR THE ACADEMIC YEAR 201   |
| ~ <b>T</b>                |  |  |
| Sr. No.                   | Name of the Committee  | Convener/Chairperson   |
| (A) Vice Pri              | ncipal – MS. URMI PALAN                                      |  |
| 1.                        | Ruia Admission<br>Committee                                  | Ms. Urmi Palan (Convenver)   |
| 2.                        | Ruia Committee for   | Ms. Urmi Palan (Convener)  |
|                           | Implementation of Reservation Policy                         |  |
| 3.                        | Ruia Publications Cell                                       | Ms. Devayani Ganapule (Convener)   |
| 4.                        | (RPC) Ruia Faculty Grievance                                 | Ms.Urmi Palan (Convener)   |
|                           | Redressal Cell (RFGRC)                                       |  |
| 5.                        | Ruia Students' Grievance<br>Redressal Cell (RSGRC)           | Ms.Urmi Palan (Convener)   |
| (R) Vice Pri              | ncipal – DR. VAIBHAVI PA                                     | ISIIF  |
| 6.                        | Ruia Anti Ragging  | Dr. Vaibhavi Palsule (Convener)  |
| 0.                        | Committee (RARC)   | Di. Valbilavi i alsule (Collvelle)   |
| 7.                        | Ruia Committee Against                                       | Dr. Bhavna Narula (Convener)   |
|                           | Sexual Harassment (RCASH)                                    |  |
| 8.                        | Ruia Support Staff   | Dr. Vaibhavi Palsule (Convener)  |
|                           | Grievance Redressal Cell (RSSGRC)                            |  |
| 9.                        | Ruia Students' Council                                       | Dr. Manish Hate (Convener)   |
| 10.                       | (RSC) Ruia Campus Maintenance                                | Dr. Vijay Mayekar (Convener)   |
| 10.                       | & Development  | Dr. vijag iviagenai (Convener)   |
|                           | Committee  |  |
| (C) DEANS                 |  |  |
| a) Acad                   | demic Affairs: MS. URMI PA                                   | ALAN   |
| 11.                       | Ruia Attendance  | Dr. SubhashVanamali (Convener)   |
| 12.                       | Committee Ruia Examination                                   | Dr. Mohsina Mukadam (In-Charge)  |
| 12.                       | Coordination Committee                                       | Di. Monsina Mukadam (m-Charge)   |
| 13.                       | Ruia Foreign Language  | Mr. Sachin Palekar (In-charge)   |
| 14.                       | Center (RFLC) Ruia Remedial Coaching                         | Dr.Sucheta Ketkar (Convener)   |
| 1 <i>C</i>                | Committee (RRAC)  Duio Library Committee                     | Da Maringha Calrhala(Carrianan)  |
| 15.                       | Ruia Library Committee (RLC)                                 | Dr. Manjusha Gokhale(Convener)   |
| b) Rese                   | earch Consultancy & Develo                                   | pment: MS. ANUSHREE LOKUR  |
| 16.                       | Ruia Center for  | Ms. AnushreeLokur(Convener)  |
|                           | Innovation, Incubation and                                   |  |
| 17.                       | Entrepreneurship (RCIIE) Ruia Industry Partnership           | Dr. Sunita Shailajan (Convener)  |
| 1 / •                     | Cell (RIPC)  |  |
| 18.                       | Ruia ICT Committee (RIC)                                     | Mr. Mahavir Advaya (Convener)  |
| 19.                       | Ruia Global Partnership                                      | Dr. Sujata N. Suvarnapatki(Convener)   |
| 20.                       | Cell (RGPC) Ruia Slum Study Center                           | Dr. Louiza Rodrigues (Coordinator)   |
| 20.                       | (RSSC)   | Di. Louiza Rourigues (Coordinator)   |
| 21.                       | Ruia Science Association (RSA)                               | Dr. Jyoti Patwardhan(Convener)   |
| 22.                       | Ruia Research Advisory                                       | Dr.Sunita Shailajan (Convener)   |
| 23.                       | Committee (RRAC) Ruia Intellectual Property                  | Ms. Anushree Lokur(Convener)   |
|                           | Right Cell (RIPRC)   |  |
| 24.                       | Ruia Resource<br>Mobilization                                | Ms. Sucheta Ketkar(Convener)   |
| c) Hun                    |  | or Students' Welfare: MS. DEVYANI GANAPULE   |
| 25.                       | Ruia Cell for Gender   | Dr. Madhavi Badole (Convener)  |
| 23.                       | Sensitization & Equality                                     | Di. Madilavi Badole (Colivellei)   |
| 2.6                       | (RCGSE)  |  |
| 26.                       | Ruia NCC   | Capt. Mr. Rajendra Patil (Boys Unit) Lt. (Dr.) Manjusha Nikale (Girls Unit)  |
| 27.                       | Ruia NSS   | Dr. Nilima Lankeshwar (In-charge & Programme Officer)  |
| 28.                       | Ruia Scholarship & Prizes                                    | Ms. Himani Chaukar (Convener)  |
| 29.                       | Committee Ruia Cell for Students                             | Ms. Vatsala Pai (Convener)   |
|                           | with special Needs   |  |
| 30.                       | (RCSSN)  Ruia Canteen Committee                              | Dr. Kamini Donde (Convener)  |
| JU.                       | (RCC)  |  |
| 31.                       | Ruia Center for  Mindfulness and Well-                       | Dr. Anjali Bhelande (Convener)   |
|                           | Mindfulness and Well-<br>being (RCMW)                        |  |
| 32.                       | Ruia Career Guidance &                                       | Dr. Kanchan S. Chitnis (Convener)  |
|                           | Placement Cell (RCGEPC)                                      |  |
| 33.                       | Ruia Film Society (RFS)                                      | Ms. Aslesha Ranganekar (Convener)  |
| 34.                       | Ruia Fine Arts Association                                   | Dr. Jyoti Vora (Convener)  |
| 25                        | (RFAA) Ruia Nature Club (RNC)                                |  |
| 35.<br>36.                | Ruia Nature Club (RNC) Ruia Quiz Club                        | Dr. Seema Shinde (Convener) Dr. Urmila Moon (Convener)   |
| 37.                       | Ruia Quiz Ciub  Ruia Rotract Club                            | Dr. Sangeeta Kamath(Convener)  |
| 38.                       | Ruia Natyavalaya   | Dr. Manish Hate (Convener)   |
| 39.                       | Ruia Performing Arts   | Dr. Sujata Suvarnapatki (Convener)   |
|                           | Society  |  |

- - Society Ruia Environment Dr. Jyoti Patwardhan(Convener) 40. Awareness Committee

Dr. Sangeeta Kamat(Convener)

Ms. Himani Chaukar (Convener)

Dr. Varsha Shukla (Convener)

- (REAC) Mr.Rajendra Patil (Convener) Ruia Sport Academy 41.
- Counselling Centre (RHCC)

Ruia Health &

Ruia Hospitality

Committee

Committee (RHC)

Ruia Social Responsibility

Assurance Cell (RIQAC)

42.

43.

45.

- Ruia Committee for Safety Dr. Pratap Patil (Convener) 44. & Disaster Management
- D) IQAC: DR. JESSY PIUS
- Dr. Jessy Pius (Coordinator) Ruia Internal Quality 46.

### TEAM RUIAITE

| Column/Team: | Insight   | Tech - Tricked   | Open Forum   | Behind the Scenes   | Op-Ed  |  |
|--------------|---|--|--|---|--|--|
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|              | Himani Joshi<br>Rohan Pawar<br>Neha Nayak<br>Sara Chavan<br>Tanvi Padia                 | Shubham Borhade<br>Atharva Bidwalkar<br>Vighnesh Lokare  | Ishita Nirbhavne<br>Riddhi Jadye<br>Natasha Desai<br>Sayli Mayekar                     | Advait Unnithan<br>Chinmayee Dixit<br>Shreya Mahendran<br>Himanshu Pawar<br>Sanika Botekar        | Niyatee Narkar<br>Tanvi Ghag<br>Jui Mande<br>Lekshmi Prakash<br>Akshay Sant<br>Shabduli Shinde   |  |
| Column/Team: | Career Wise   | Art Wall   | Buzz Around  | Safarnama   | Science of Everything  |  |
| Column Head: | Aniushka Joshi  | Gayatri Godbole  | Swara Jamdar   | Ojas Chaudhari  | Dhruv Rathod<br>Vaishnavi Dabholkar<br>Swara Jamdar<br>Vighnesh Lokare<br>Yash Acharya<br>Rohan Pawar<br>Aditi Kulkarni  |  |
|              | Bhumi Pasad<br>Mrunal Salunkhe<br>Ananya Satarkar<br>Aarya Sivasankaran<br>Tapasya Iyer | Srushti Sawant<br>Chinmay Patwardhan<br>Subhasri Sahoo<br>Vaibhavi Zaavde  | Aditi Patil<br>Adya Shreya<br>Chinmay Parulekar<br>Riddhi Solanki<br>Pushkar Bhatlekar | Suryansh Srivastava<br>Chinmay Patardhan<br>Priyanka Tibrewal<br>Rashi Gulati<br>Shreya Nair      |  |  |
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