

DR. D. Y. PATIL BIOTECHNOLOGY AND BIOINFORMATICS INSTITUTE

ENIGMA

THE MYSTERY OF SCIENCE



**TA
KE
A
ST
EP**

**BE THE CHANGE YOU WISH TO SEE IN
THE WORLD**



DIRECTOR'S MESSAGE

I am delighted to know that the students of our institute have taken the most appropriate initiative in bringing out the third issue of the e-magazine, “Enigma” during this difficult period of COVID-19 pandemic. The effort of the students, the e-magazine committee in particular, is commendable keeping in mind of their anxious state of mind due to disruption of the current semester.

By looking at the draft I am fully convinced that they are quite capable and are spontaneous in keeping the tradition of preparing their quality e-magazine. The major areas that are dealt in this issue are:

- 1) a recollection of year-long events at the Institute,
- 2) Interviews with Council members, Project students and Alumni,
- 3) showcasing various talents of students, and
- 4) Important Research projects in the Institute.

Overall, the compilation is well thought of and their enthusiasm deserves high appreciation. As always, I support this activity whole heartedly, and I congratulate them for their effort and wish them the best for making this magazine a very meaningful one for the DYPBBI family and student community, in particular.

- Dr J. K. Pal
Director, DYPBBI

INTRODUCTION

“What we save, saves us.”

The beautiful planet we live on today is facing a crisis, from rising sea levels to pollution to increasing tensions between countries and a global pandemic. It is time for each of us to step up and contribute in our own small way towards saving Mother Earth, because **there is no second planet to go to**. As an individual, even a small thought towards the betterment of our planet, can go a long way towards saving it. We are strong as individuals and stronger as a team. This year, with our annual magazine, we wish to enlighten the spark in you that you too can be a **pioneer of change**, that you too can be an ‘enigma’ and lead others towards light.

We present to you ‘**Enigma 3.0**’ and hope that our small initiative will inspire you to give a thought towards what you can do to bring a change.

We would like to thank our Director, Prof. J.K. Pal for his motivation and guidance. We would also like to extend our gratitude to our teachers, our Student Council and to all the students who have contributed to the magazine, for their immense support and motivation.

Thank You.

**Ritoja Ray
Simran Ahuja**

(Magazine Secretaries 2019-20)

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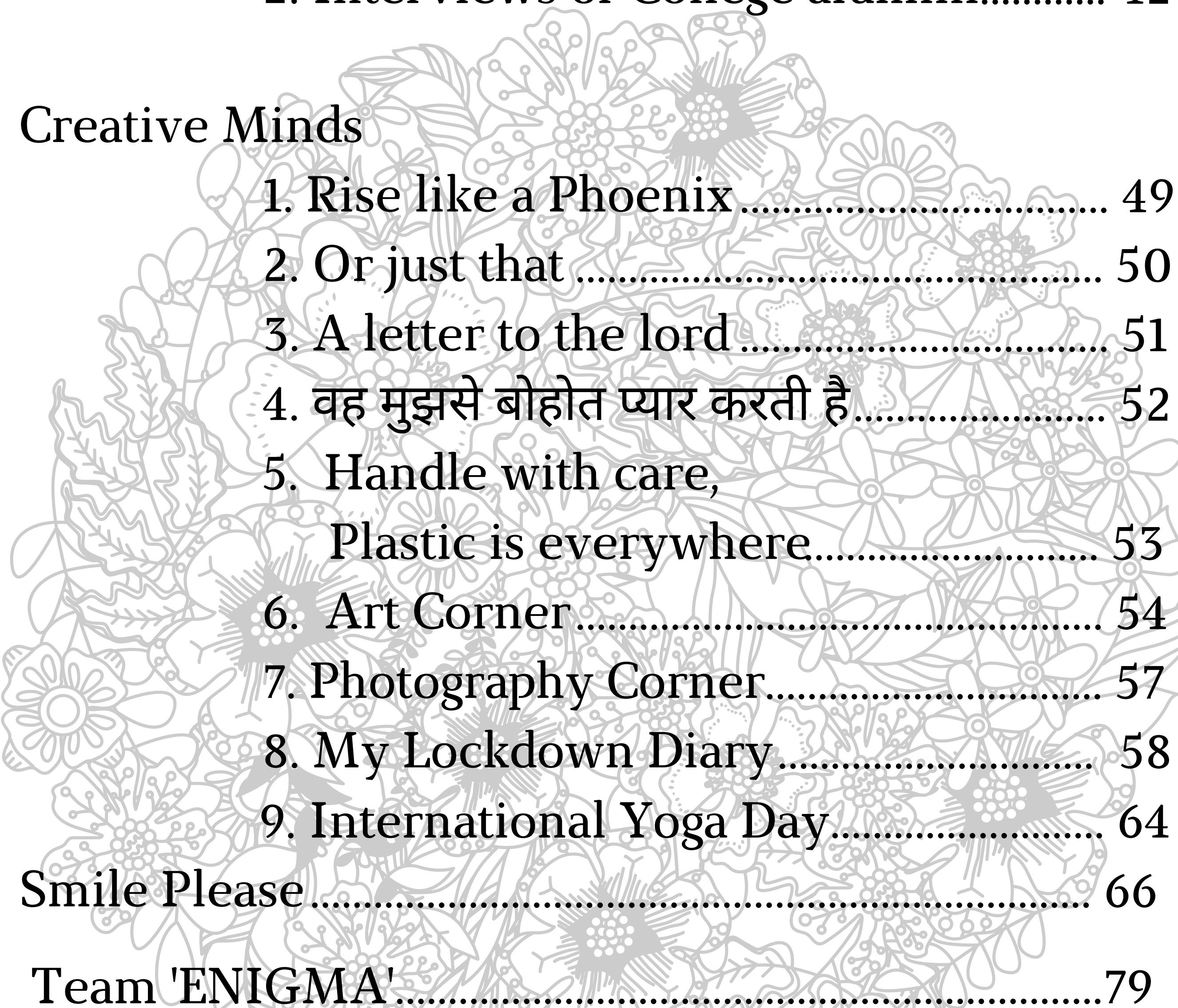
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Let's Retrospect

Fresher's 2019

"LA' DISCOTECA"

"TO MAKE EVERY NEW STUDENT FEEL CONNECTED AS AN INTEGRAL PART OF THE DYPBBI FAMILY AND PREPARE THEM TO TAKE THE CHALLENGES OF THE YEAR AHEAD."

Jovial smiles and high spirits marked the welcome party for the new students.

It manifested youth and enthusiasm at its best.



The party was organised in the lobby of college premises. It manifested youth and enthusiasm at its best. As a trend of the institute, the party began with the auspicious lamp lighting ceremony and prayers to Goddess Saraswati. The occasion was graced by Prof. J. K Pal, Director and all faculty members. Dr. J K Pal inaugurated the Event by welcoming the students through his motivational speech. Pulsating ambiance, flashing lights and foot-tapping music, set the mood of the party right. The excitement augmented to a joyful high as performances graced the stage. The mercury began to rise, the dance floor was left open for some unbridled energy. Joy and happiness could be seen among students of each and every course at the college. The dress code for the students was as per the theme. Denims and dresses, cool shades and casual flip-flops, branded T - shirts and bright bags— casual chic reigned the Event. Excited about campus life and conscious of the latest fashion trends, the freshers dressed their best. Freshers party is all about creating everlasting relationships with each other. The event is an indication of union among the students. **Narayan** from B. Tech.(Medical) Biotechnology and **Nandini** from B. Tech Biotechnology were declared as **Mr. Fresher** and **Miss Fresher** respectively.

Monday 18th November 2019

“LAMHE: Down The Memory Lane”



"THE DYPBBI FAMILY CAME TOGETHER TO BID FAREWELL TO THE OUTGOING BATCH OF 2016. IT WAS A MORNING OF MIXED EMOTIONS FOR ALL PRESENT IN THE INSTITUTE TO WITNESS THE OFFICIAL SEND-OFF FOR THE CLASS."

The day was a fiesta to years spent together with friends and teachers to reminisce joyous moments. The 2016 batch showed up dressed in their finery. The young ladies in beautiful gowns and saris whereas the gentlemen carried themselves in suits. Everyone took the opportunity to get them clicked. It began with the Sarasvati pooja by our outgoing council members. Then the Director Dr. J. K. Pal gave a speech wishing good luck to the students of the batch 2016-2020 for their future and appreciated them. He also expressed his hope that students will continue to excel in the world outside this college as well. The newly elected college General Secretary gave a heart-warming speech for our seniors. It was followed by captivating performances including group dance, solo dance and solo song by the juniors dedicated especially for their beloved seniors. The seniors were given a token of love and appreciation by the students. Refreshments for students & staff were arranged in the college during the function by the Food Committee. Then a wonderful drama was staged on this occasion. The students played a video clip for all the seniors in which all their memories were recalled. The ceremony ended with cake-cutting by the seniors and teachers. Thus, an environment of enthusiasm was experienced by every student and was a memorable event to all in the college.

9th to 15th February 2020
CYTOSOUL 2020

Riwaayat



The Fest this time began with outdoor and indoor sports events in which students from different batches competed with each other in a healthy competition to decide which batch was best in sports. Various sports events were organized such as – basketball, football, cricket and other indoor sports like carrom, chess. This time even the teachers enjoyed various sports events like Tug of War and indoor events like carrom and chess. The cultural extravaganza began on the 13th of February. The entire college was decorated in a royal theme. Each day of Cytosoul had a different theme. Cultural fiesta began with the inauguration by the Director of DYPBBI, Prof. J.K. Pal and a ribbon was cut to mark the beginning. The first day of Cytosoul was named “NOOR”. The girls shone brightly in their traditional beautiful sarees while the boys looked dapper in their Indian outfits. The chief guest, director, and other teachers were given a visual treat in form of traditional dances from various parts of the country including the famous Nashik dhol “Pathak”, Dhunuchi Naach, and Rajasthani Ghumar dance were amongst several dances performed by the 1st year students. The non-teaching faculties of our college were also felicitated on this day. They form an integral part of our educational system and their services are indispensable in the quest of enhancing our college. Various games and cultural events were organized by college students ranging from rangoli competition to photography competition. Then began the food fiesta where the students cooked food without fire and impressed the judges with their culinary expertise.

The theme for the second day was “**COSMOS**”, in which the students dressed up according to their sun signs. Even the teachers dressed up according to the theme “The Four Seasons”. Students leveled up their dressing up skills in make-over competition, they used their brains in Sherlock, Showed off their painting skills in face painting competition, and enjoyed throughout the day.

And last but not least the stage was set for the final and much-awaited day of Cytosoul 2020. The Guest of Honour for the event was Helena Enroth (Adjunct Professor, School of Bioscience, Skovde University). The event began with the lighting of the lamp and singing of the Saraswati vandana. The All Rounder prize was given out by Prof. J.K. Pal. This day was full of amazing performances from our college students. We witnessed various graceful dances and melodious songs. The wonderful performances elevated the mood of the evening. This was followed by a spectacular fashion show put together by the students. The themes for the fashion show were Razzle and Dazzle, Shangri-La, Victorian Era, Día de Muertos. The newly elected student council also graced the stage with their street- style Fashion show. On the same day, the prize distribution of sports events took place. The evening ended after a vote of thanks by our beloved General secretary Srishti Maheshwari. We enjoyed a lot and dispersed with a sincere hope that such mega-events should be organized time and again giving the students a chance to display their talents.



2ND MARCH 2020

National Science Day



The Chief Guest for the event was **Prof. Ashwini Kumar Nangia** Director, CSIR-National Chemical Laboratory, Pune. Prof. Nangia gave a guest lecture on 'Chemicals, Pharmaceuticals and Materials with function & application'. A poster and model making competition was also held for the students which showed active participation from all classes. Students from Ashwini International School were also invited to put up their models and posters.

The winners for each event were awarded with certificates in the prize distribution ceremony held at the end of the program.



**ACADEMIC
SECTION**

Areas of Research Undertaken by our College Faculty.

Microbial Diversity Research Centre [Publications- 179, Patents-06]

Name of faculty	Area of research
Dr. Neehu Nawani	Molecular approaches to detect emergence of antibiotic resistance Air pollution and infectious diseases of lungs
Dr. G.D. Tandon	Role of Beta lactamase inhibitors in beating antibiotic resistance Search of newer Beta lactamase inhibitors from microbes and plant products
Dr. Sarika Pawar	Quorum sensing inhibition, anti-biofilms and anti-virulence strategy
Dr. Rachana Pandey	Anti-microbial peptides, Methylobacterium biology
Dr. Vinita Vaidya	Microbial biopolymers and their production Bioactive value-added products
Dr. Swapnil Gaikwad	Development of Nanoparticle base antiviral/antimicrobial drugs, Role of phytofabricated nanoparticles in different diseases, Nanobiotechnology
Dr. Gayatri Gera	Bioremediation using algae Design of experiments and data simulation using Matlab Bioprocessing of microbial therapeutic enzyme (Serriatiopeptidase)
Dr. Supriya Kore	Microbial control using material from natural sources
Dr. Manisha Junmarkar	Microbial food biotechnology, nutraceuticals, probiotics
Dr. Shipra Deep	Production of microbial enzymes and vitamins Biofuel production
Mr. Amol Salagare	Biofuel production
Mrs. Arti Deshmukh	Actinomycetes: Applications in biotechnology and medicine
Dr. Manisha Deshpande	Biological engineering

Cancer and Translational Research Laboratory [Publications-68, Patents-07]

Name of faculty	Area of research
Dr. Nilesh Kumar Sharma	Cancer Biomarkers and tumor heterogeneity CRISPR-Cas and Cancer Therapeutics
Dr. Soumya Basu	Anti-cancer and anti-viral drug designing, in silico and synthesis: in vitro and in vivo validation PPAR gamma and Lung cancer COVID 19 secretome and cytokine study from theranostics view point
Dr. Amit Ranjan	Development of Molecular Diagnostic tools for disease detection Role of Glycans in different disease such as COVID-19

Protein Biochemistry Research Laboratory [Publications-40]

Name of faculty	Area of research
Dr. Rajesh Kumar Gupta	Cross-presentation based anticancer nano-vaccine development, lectin pathway of complement activation and repurposing of lectins in the time of COVID-19 pandemic, biology of neonatal sepsis and Pre-eclampsia
Dr. Manjusha Dake	Microbial enzymes and their relevance in industries and medicine, enzyme inhibitors as therapeutic tools (Role of protease inhibitors in disease therapeutics, biopolymers
Dr. Ashwini Puntambekar	Industrial applications of microbial proteases Biochemical studies on protease inhibitors and their therapeutic applications
Mr. Sampat Jadhav	Single cell protein -Microalgae based food production, Designing of Bioreactor for microalgae production, Production and Amendment of Biodegradable food packaging material

Plant and Environmental Biotechnology Research Laboratory [Publications-30]

Name of faculty	Area of research
Dr. Minal Wani	Medicinal plants, plant biotechnology
Dr. Afreen Huda	Tissue culture, plant biotechnology

Genetics and Molecular Biology Research Laboratory [Publications-12]

Name of faculty	Area of research
Dr. Arvind Goja	Metabolomics, Nutraceuticals and Ayurvedic Herbs. Metabolomics approach to find potential early disease biomarkers, Effect of various ayurvedic herbs and Nutraceutical in different diseased conditions, Evaluating effects of various vibrations and frequency on living systems
Dr. Satish Sasikumar	Vesicular trafficking ,Idiopathic pulmonary fibrosis

Molecular Neuroscience Research Laboratory [Publications-31, Patents-01]

Name of faculty	Area of research
Dr. Priyanka Guru	Epigenetic biomarkers for diagnosis, Genetic and environmental factors associated with Parkinson's disease, Cell free DNA methylation
Dr. Tanushree Banerjee	Insulin resistance in brain, Amyloidosis, Parkinson's Disease
Dr. Neelima Dubey	Endocrine regulated mood disorders in women Role of reproductive steroids in brain functioning, Molecular and genetic basis of postpartum depression in women, Disease modelling using lympho-blastoid cell lines and induced pluripotent stem cells (iPSCs)
Dr. Rajasegaran Elumalai	Nano-capsules for targeted drug and gene delivery Multidrug resistance cancer treatment and in vivo imaging Preparation of scaffolds for wound healing applications

Bioinformatics & Computer Science Research Laboratory [Publications-20]

Name of faculty	Area of research
Dr. Shuchi Nagar	Designing anti-cancer lead molecules, In silico studies, Lead molecules to deal with COVID 19
Ms. Priyanka Bhopale	Application programming, AI and Machine Learning
Mr. Sandeep Bansode	Big data analytics (biology), Smartphone based diagnostic kits, algorithms in biology
Mrs. Rashmi Pathe	Biosensors and applications of biomedical electronics

Competitive Examination you can appear in after Graduation

1. GAT-B- Graduate Aptitude Test-Biotechnology

The Graduate Aptitude Test - Biotechnology, previously Combined Entrance Examination for Biotechnology (CEEB) by JNU, is conducted by the Regional Centre for Biotechnology on behalf of the Department of Biotechnology, Government of India. The candidates are given a GAT-B rank based on which they may apply to the various DBT-supported PG programmes in participating institution such as M.Sc. Biotechnology, M.Sc. Agricultural Biotechnology, M.V.Sc., M.Tech. Biotechnology and M.Sc. in allied areas.

Application Starts: February every year

Entrance exam: mid of May every year

2. ICAR AIEEA PG Entrance Exam

Each year Indian Council of Agricultural Research conducts this exam for Admissions to 25% Seats in Master's Degree Programmes of Agricultural Universities and award of ICAR-PG Scholarship/NTS (PGS) in Agriculture & Allied Sciences. By clearing this entrance you can get admission into Plant Biotech & Molecular Biology/ Biotech, Animal Biotechnology, Animal Biochemistry, Animal Genetics and Breeding, Dairy Microbiology.

Online application form- mid of April every year

Date of examination – June every year

3. IIT JAM (Indian Institute of Technology Joint

Admissions Test) It is an entrance exam to various professional courses such as M.Sc. (2 years), M.Sc.-PhD, M.Sc-M.Tech, Joint M.Sc.-PhD, and many other Bachelor degree courses. Various IITs & IISc conduct this national level examination of JAM in the rotation. JAM is held in the month of February every year.

Registration: September-October every year

Exam dates: February every year

4. AIIMS (All India Institute of Medical Sciences)

M.Sc. Biotechnology Entrance Exam Each year All India Institute of Medical Sciences invites application for admissions in M.Sc. Biotechnology, Biochemistry and Biophysics Reproductive Biology and Clinical Embryology and Nuclear Medicine Technology Courses.

Online registration: March every year

Date of Examination: June/July every year

5. Tata Institute of Fundamental Research Graduate School Admissions Exam

TIFR GS each year is conducted by the Tata Institute of Fundamental Research for Graduate School Admissions, Mumbai. The TIFR national level entrance exam for biology, TIFR GS, is also known as Joint Graduate Entrance Examination for Biology and Interdisciplinary Life Sciences (JGEEBILS)

Online registration- 1st week of September every year

Date of Entrance Exam- 1st week of December every year

6. GATE BT/XL

The Graduate Aptitude Test in Engineering (GATE), in the subjects of Biotechnology (BT) and(Or) Life Sciences (XL) is the most famous competitive Exams in India for a bright Masters/PhD degree from the most revered institutes of the country i.e IITs, IISc, NITs, BITS.

Application Starts: September-October every Year

Exam Date: Second Sunday of February every year

7. GRE

The Graduate Record Examinations (GRE) is a standardized test that is an admissions requirement for many graduate schools in the United States, Canada and many other colleges of various countries. According to ETS, the GRE aims to measure verbal reasoning, quantitative reasoning, analytical writing, and critical thinking skills that have been acquired over a long period of learning.

Type: computer based or paper based

Score Validity: 5 years

Dates: GRE General Test can be taken once every 21 days, up to five times within any continuous rolling 12-month period (365 days). While paper based test can be taken as often as it is offered.

If you are planning to study abroad, the admission process will require you to give one language exam and one standardised exam (GRE).

- **TOEFL**-TOEFL exam is the preferred exam for universities in the US and Canada, while it is not accepted at many colleges in UK. Your TOEFL scores are valid until two years post the declaration of your result.
- **PTE** PTE exam is accepted at a few colleges in the US and most colleges in the UK. CAE and CPE are given preference by British universities. Further, PTE Academic scores are valid for up to two years from the date of the exam.
- **IELTS**-This exam is preferred for getting admission into universities in the UK, Australia, Germany and New Zealand. IELTS score are valid for two years.

-By Nandini Sinhal
BBT 1st yr



ARTICLES



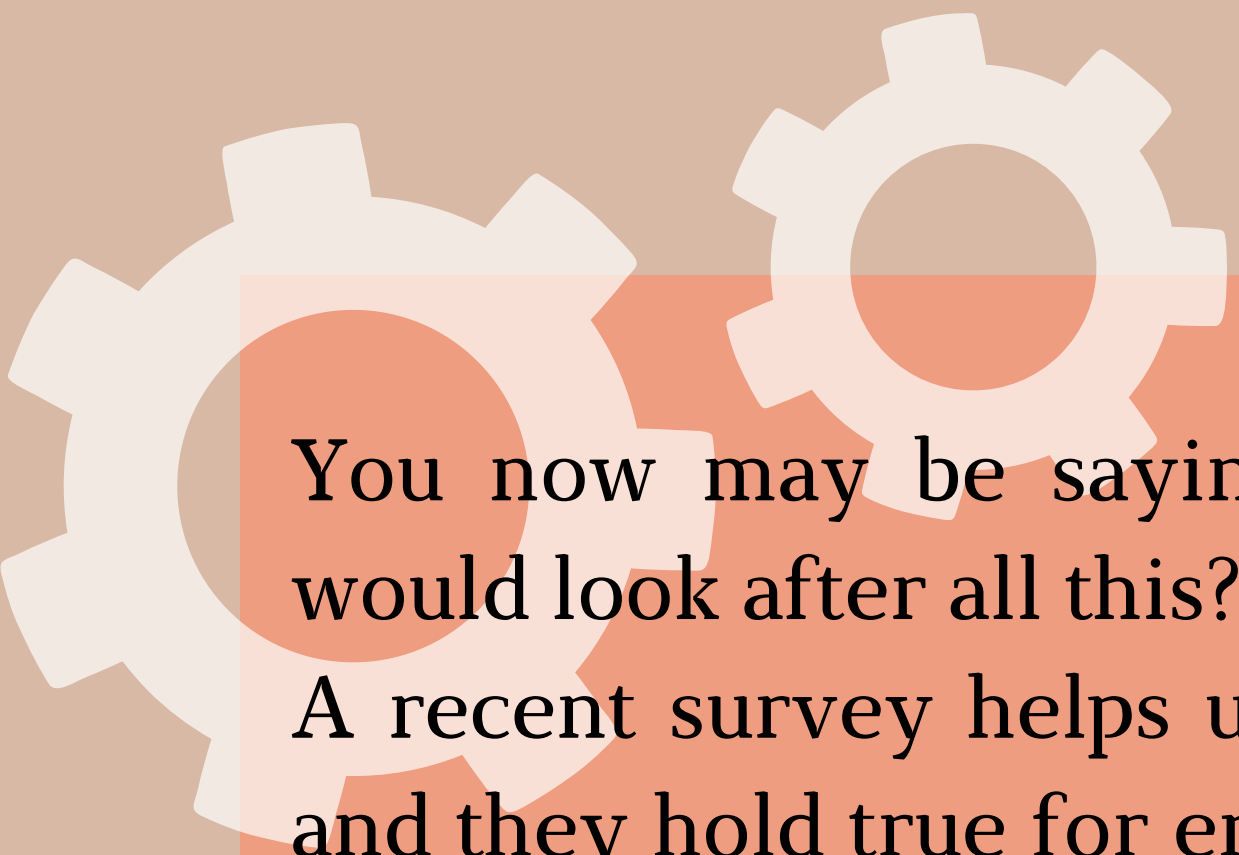
EMOTIONAL INTELLIGENCE

-Aakanksha Desai
BBT 2nd yr

“There’s more to yourself than you probably know.”

“People are often down with the misconception that the sole source of success demands high Intelligence Quotient (IQ). However, research emerged until the very recent times shows us a definitive link between career success and emotional intelligence (EQ). Intelligence is one's ability to learn and it remains the same whether you're 15 or 50. Emotional Intelligence is not a steadfast metric, it's a flexible set of skills that can be learned and improved with practice. Emotional Intelligence, Emotional Quotient, Emotional leadership, the emotional sphere deals with the ability of folks to recognize their own emotions and those of others, discern between different feelings and label them appropriately, guide one's thoughts and actions, adapt to environment or achieve one's goal.

EQ affects your performance at school or work, your physical health, your mental health, your relationships and your social intelligence."It is very important to understand that emotional intelligence is not the opposite of intelligence, it is not the triumph of heart over head-it is the unique intersection of both" -David Caruso.



You now may be saying to yourself - "my technical skills would look after all this? Why do I even need to care about it?" A recent survey helps us understand these staggering results and they hold true for employees in all industries at all levels, in all regions of the world. They found that 90% of the top performers are very high in emotional intelligence as compared to Intelligence Quotient. Knowledge of letting your mind be affected by things that actually matter, Differentiating between what's meant for you and what's not, Questioning yourself, Doubting your worth on account of others deeds and at the end, Compare. That's the bigger reality of our existence. Stop acting less responsive, less deprived, less yourself because you want people to like you not based on your emotional quotient but your Intelligence Quotient. Choose to respect your feelings, take up space, Speak for yourself, Honour your emotions and make self-care a priority.

Maintain a positive attitude, Empathize with others, respond instead of reacting to a conflict, Utilize active listening skills, be motivated, and use an assertive style of communication. As we know, it's not the smartest people who are the most successful or the most fulfilled in life. You probably know people who are academically brilliant and yet are social inept and unsuccessful at work or their personal relationships. IQ can help you get into college but it's your EQ that will help you manage stress and emotions and stay calm and healthy when facing real exams.

IQ and EQ exist in tandem and are most effective when they build off one another.

REVERSE BRAIN DRAIN IN INDIA

- Neha Atul Renavikar
MIT 3rd yr

“My 2020 Vision for India is to transform it into a developed nation. That cannot be abstract; it is a lifeline”

- Dr. A. P. J. Abdul Kalam

“Migration of educated people from often ‘developing’ countries to ‘developed’ countries defines BRAIN DRAIN. India is a major reservoir of skilled and unskilled labour. People from India are seen to move overseas to accomplish their dreams and launch their better career. People shift abroad due to lack of opportunities, economic depression, health risks, and poor infrastructure in India to achieve better lifestyle and academic freedom in host countries.

Growth of knowledge in developed countries has increased demand for people in science and engineering professions. A great storm of brain drain from India was seen in the era of 1960-2000 where around 35% of graduated students every year moved abroad and preferred permanent settle overseas rather than returning to India. This push and pull strategies have halted development in the mother country, as it declines competitions and cause shortage of skilled and potential labours.

In late 2000s, India experienced a REVERSE BRAIN DRAIN. Reversing the brain drain to brain gain was primary objective. Enhancement in technology, better research scope, wide industrialization, higher economic packages, increased number of education institutions, more business-friendly environment in India, existed back home increased number of returning intellectuals to India.

“In addition, other reasons to return migration of highly skilled workers was due to their desires to return to their roots and a more family-oriented lifestyle. India attracting foreign academics, professionals and executives, rewards opportunities for its own people as well as for those who have attained the knowledge and skills from countries overseas.

Social and Cultural impact of reverse brain drain was seen, as foreign lifestyle was difficult to be adopted by people from Indian roots and vice versa. Increased number of natural calamities and frequent spread of diseases, caused aggression of natives from other countries against Indians working there. As native people were deprived of their basic facilities due to increase in population due to migration of Indians. This was a noted cause of reverse brain drain, where people were found secured in their roots.

“There is a clear trend of companies in sectors such as pharmaceuticals, manufacturing, automobiles, healthcare shifting more and more research and development work to India,” said Rituparna Chakraborty, cofounder, Team-Lease Services. Growth of business, was boost to Indian economy, where 47 Indian companies were listed in Global Forbes ranking for 2015. Economy has seen a 7.5% average rise of total economy from 2001-2018.

In spite of enormous brain drains during 1960s to 2000s, India has flourished and is on the way from ‘developing’ to ‘developed’ country.

““It is being believed that the 21st century is India’s century”

- Narendra Modi



Men's Mental Health

- Jainish Kothari
BBT 4th yr

“We are far from being a mental health- positive, stigma-free society but this initiative aims to break these conventions and barriers - assuaging the situation as much as we can. People still don't see mental health as important as physical illnesses, such as, diabetes and blood pressure. But today, I am going to talk about the sector of the population who have been taught to be tough and suppress their feelings- MEN. I am going to talk about Men's mental health issues by citing one of the incidences my viewer shared. I want everyone out there to read this because we as a whole can only ameliorate the situation.

They generally aren't good at expressing their feelings and by this blog, I hope I can encourage them to open up to the world and give them the confidence to share more. Our society and parents have always told us to be tough and strong in every situation. We have confused toughness with masculinity, which is wrong. We should accept their feelings as a pivotal and integral aspect of masculinity. Entombing of feelings steadily transforms into anger and aggravates their mental health more. The below-mentioned instance shows the urgency to voice this topic in our society. The case I am voicing today is of one of my friends who wants to speak out to you about the importance of this. He asserts that,

“I want to talk about alcoholism and domestic violence which my father put up on our family through. The drinking problem was a habit and this surfaced a different personality- Personality which was frightful and horrifying. He always had a false suspicion on my mother of her affairs and used to beat her every night because of this suspected allegation. My mother had to tolerate because she came from a very lower-middle-class family which consisted of six sisters and a father with a mental disorder. It was already difficult for them to thrive due to debt and healthcare funds they needed, hence, she decided not to be an extra load of burden on them.

She kept mum even after routine night episodes, lying on the corner of the bed, bleeding through deep cuts. She cried not because of the physical hurting but how the deep impact it had on her mind and soul. I was 6 years old then and my sister just a few months old when one night he decided to throw us out of the house and left us to wander into streets unaccompanied. We begged people on the streets to help us and talk him out of his second nature. No one did and we couldn't complain. One day he asked all of us to leave and dropped us at the bus station. He drank the whole time while waiting for the bus. My mother tried to stop him but in that heated argument and conflict the bottle shattered. The glass pieces cut deep in my mother's fingers. All clothes turned red but the bleeding won't stop. There were many other instances which I wish to share but these are some of them which really engraved and had a huge impact on me."

Alcoholism not only affects you but also people living in your surroundings. Things might be better now but it can't replace the memories which are engraved in his head like an everlasting stone carving. Imagine how different would it be if we took mental health more seriously. Not just, we could have helped him while he was struggling through these circumstances but could also help his father who might need help to get better. He might be stressing over the fear of expressing himself.

WHAT CAN WE DO?

1. TELL MEN IT IS OKAY TO FEEL-

Since childhood, every movie we watched shows tough and strong men who were heroes and had a win at the end. Females were enacted to be more tender and emotional ones. Though this wasn't the message they wanted to render but we got it **LOUD AND CLEAR-** as a boy, feelings are not okay. Rather than stigmatizing the gender difference, we should encourage the males to choose anything he wants to- his favorite color can be **PINK**, he can sit at home and love **COOKING** and not playing **SPORTS**, and cry their eyes out whenever they feel so. Tell them from the very starting that feeling things is normal and nothing to be ashamed of.

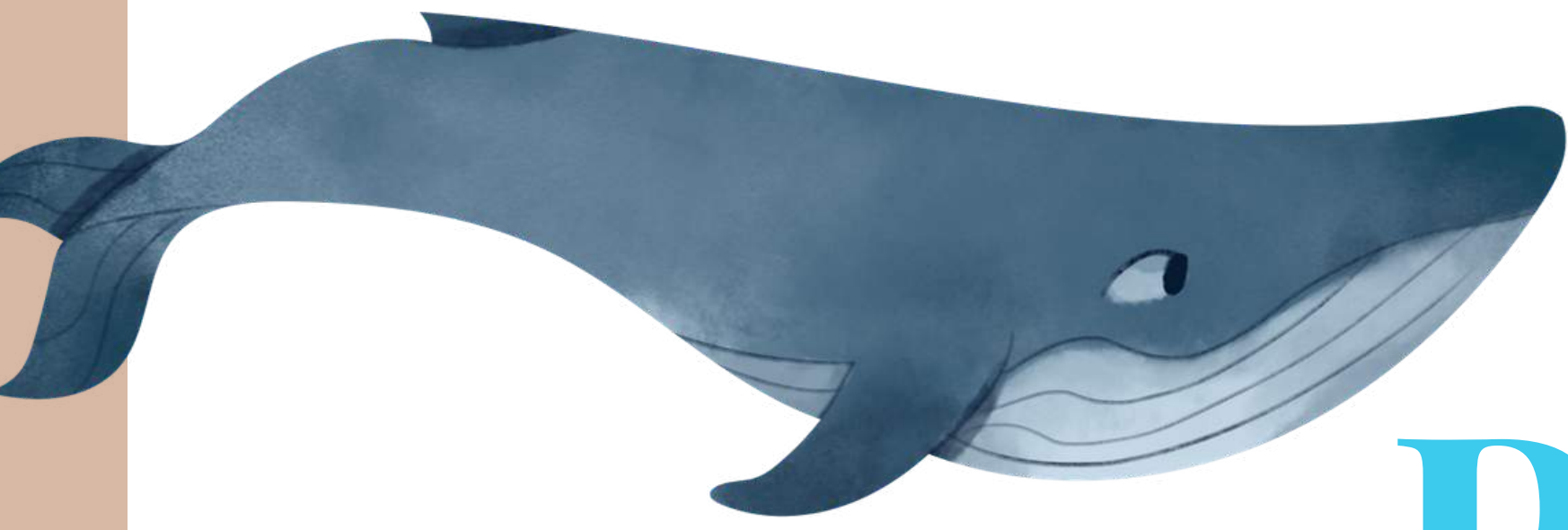
2. HELP THEM EXPRESSING THEIR FEELINGS-

“Stop being such a girl!” and many other phrases like this force them to ensconce their feelings behind their strong masculinity. Every human has feelings yet boys aren't encouraged to express them freely. Maybe the reason for the anger and frustration of my friend's father could be the inability of sharing his feelings with the ones who love them the most. If he could have shared then the situation might be different. The inability of expressing feelings often turns into anger. And as it builds up it leads to a sudden outburst which is very hostile for us and the surroundings. Intoxication often is the only solution they think would help them but what they really need is someone who can listen and help them express themselves.

- Help them choose the right words. Not finding the correct words can lead to frustration because they don't understand which words go with what they are feeling.
- Don't judge, just listen. They can never share what they feel until you tell them 'how' to feel. Instead of stating 'how' to feel, 'ask' him about his feelings.
- Encourage when they show feelings. Acknowledgment is the key here. Everyone loves to be acknowledged. If they share anything with you, praise them if they show positive attention.
- Template the right behavior. Adults need to model this for their children. But many of them are still seeking answers for themselves. You have to learn how you feel to teach your children how they should feel.
- Try keeping it to yourself. The only reason anyone is sharing anything with you is because of trust and confidentiality. Try understanding his feelings and gain his trust. This will help you both turning into a better individual.

3. EMBLAZON FEELINGS AS AN INTEGRAL PART OF MASCULINITY-

Showing feelings is not feminine. These stereotypical assertions make it more difficult for them to deal with situations like depression. Though growing up we would understand that these are the most powerful and significant aspects of masculinity. We are not sacrificing anything to expressing it, we are learning. I hope every boy is taught this from his childhood. This stereotype is devouring our society and I see an urgency to normalize this as soon as possible. I want all of you to spread this message to the world with me and it really needs to reach to our elder generation as well. Please, make them read this and help me achieve my objective.



Peto's Paradox

an innovative approach to cancer treatment

If every cell has a fair chance of becoming cancerous then physically large organism (having large a large number of cells) and with longer life span should have an increased risk of developing cancer as compared to small, short lived organisms. This kind of correlation between a number of cells and/or life span of an organism with the development of cancer is not seen in large animals and is called **Peto's paradox**. For example, A human lives 50 times longer than a mouse and has 3000 times more cells than mice, yet the rate of cancer in humans and mice is basically the same, whereas blue whales have 3000 times the cells a human has but doesn't seem to get cancer at all.

How does cancer develop in an organism?

Throughout the life of a multicellular organism, cells accumulate mutations in several different genes called proto-oncogenes which are caused by endogenous (by cellular mechanisms) and exogenous (environmental carcinogens) processes by which they achieve limitless replicative potential, self-sufficiency of growth signals, insensitivity to anti-growth signals, immunity against immune system. **The probability of which should increase with greater number of cells and with longer life spans as more are the chances of tumour initiation, which doesn't happen.** There are 2 plausible explanations for this paradox. As multicellular organisms grew bigger, they added more and more cells and hence, more of tumour induction. So, they had to develop better cancer defences else they would die (natural selection). The proto-oncogenes (the right mutation in which will cause tumour induction, ability to hide from immune system, call for resources etc.) have an antagonist- tumour suppressor genes (which repair the mutations or signal cell death if it is beyond repair) and it turns out that larger animals have an increased number of them. Because of this elephant cells would require more mutations than mice cells to develop a tumour. Hence, they are more resilient to tumour development than mice. But the solution to the paradox could be actually something different.

Hypertumours

Normally, cells work together in cooperation to form structures like tissues and organs. Cancer cells on the other hand work as independent identities only for their survival by stealing energy and resources from the body which is often the limiting factor for growth of tumours. Tumour cells trick the body to build new blood vessels directly to the tumour itself to feed it. Also, cancer cells are inherently unstable and mutate very quickly, some of them very fast. At some point, a newly mutated cancer cell might suddenly start thinking of it as an individual again and stop cooperating with the original tumour. It forms another tumour fighting for the same scarce nutrients as the original tumour. This newly formed tumour is a Hypertumour.

This Hypertumour might cut off the blood supply to the former tumour, starve and kill the original tumour. Cancer killing cancer. This process may keep repeating over and over preventing excessive growth of a tumour. A greater number of Hypertumours in large animals might be preventing them from having malignant tumours or tumours large enough to cause a problem/be detected. A small 1g tumour is 5% of the total body weight of a mouse but is only 0.001% of a human and 0.000001% of a blue whale. All the three tumours require the same number of cell divisions and have the same number of cells. An old blue whale might be filled with such small tumours but it might not care because of insignificant size of the tumour with respect to the whale. Hence, if hypertumours keep a check on the size and metastatic activity of tumours, they might not cause a problem for an organism. This is just a hypothesis, but could open up a very innovative and effective way to treat cancer or better to say- keep tumours in check in humans.

**- Manas Sehgal
BBT 2nd yr**



Boredom And Monotony

-Keshav Mittal
BBT 1st yr

In today's busy and stressful world where people are so occupied with their career and their social life there still exists boredom. Boredom is the state of feeling disinterested in their surrounding's having nothing to do. It is not necessary that everyone find boredom as a problem, people who always remain busy with their work find it difficult to face while for some it is normal as their everyday is.

People who always remain occupied with work get a habit of being stressful and occupying their mind with a lot of work and cannot live sitting idle even a single day while there are some people also who hate to do any work or take any stress in their life and love to sit idle and rest. Students face boredom more than anyone would in their life. Students feel the most bored when they don't have any work to do, sometimes students even get bored doing the same work that they are doing like studying, writing practical files, assignments or attending lectures which they pay attention for first five minutes and then it is like a lullaby to them.

Boredom is a serious issue, scientifically it could be explained as a disease also as when people get bored or sit idle doing nothing their body gets relaxed and reduces the rate of utilization of energy at which it used to, hence converting most of the energy as fats in the body. It also reduces the metabolism of the body and makes the person lazy. It is not good for a person's health as it targets a lot of problems in the body, many people face a lot of mood swings also.

Boredom is also something from which our society has to fight. Staying idle or doing nothing makes a person less interested to anything even if they have any work or we can say that it makes them lazy. Boredom is a serious issue that students need to deal. Students can deal with boredom by getting their mind occupied in many activities it could be like learning a sport, any musical instrument, or developing some skills that could help them in their personality development and in their career like learning about mass communication and mass media or learn courses related to their career or which they like, doing home internships or work from home jobs which could make them gain experience.

Boredom is an uprising issue which is needed to be taken seriously. People need to understand that remaining engaged or doing something is a need of their body and they need to maintain a balance for a healthy and joyful life.



**Humans Of
DYPBBI**

GENERAL SECRETARIES



HOW DO YOU FEEL ABOUT BEING ELECTED AS A PART OF THE STUDENT COUNCIL?

NAREN - As a part of the student council, I feel elated and privileged that all of my peers and teachers thought I was apt to be elected as the General Secretary of our esteemed university. All of the responsibilities that come with this position has helped me to grow as a person and see life in a different perspective. I must however also mention how rewarding it has been to see the positive impact that I was able to make on the lives of students during their time at the university. I am deeply obliged that I was able to receive this profound opportunity.

SHRISTI-

I am very happy to be a part of the student council. It was a proud moment for me to see that students believed in me and chose me to represent this college for them. Being in a council has taught me many things and helped me to develop a good personality. I am also thankful to other members of council for working hand in hand and for establishing new methods to make events successful.

WHAT ARE YOUR BEST MEMORIES AS A STUDENT COUNCIL MEMBER?

NAREN-

A few of the best memories I had as a part of student council were organizing even the smallest of events to handling the entire annual college fest. Working with my fellow council members and being guided by the senior management through every task was truly exciting and memorable. I will also never forget the time when I went to a village called Nere as a college representative and had interacted with little children and the elderly. Interacting with them and observing their livelihood made me feel truly blessed and grateful. That moment was life-changing and it will always remain an integral part of me.

SHRISTI-

Some of my best memories during this journey was organising events with fellow members and the fun we all used to have during the preparations. The best thing this council has given me is a bunch of great friends who have guided me necessary. I will miss them and will also cherish all the moments, even the fights we all had.



DESCRIBE YOUR RELATION WITH YOUR CO-SECRETARY

NAREN- My fellow General Secretary, Shristi Maheshwari, is a very enthusiastic and passionate individual, her relentless and unwavering efforts are truly encouraging. Her dedicated and supportive nature even through the toughest of times has motivated everyone around her and given them a different perspective. It was wonderful working with her and I don't feel there is anyone else who could have justified this role as she did.

SHRISTI- Naren is very calm, compassionate and hard working. He used to balance, support and guide me. The best part between us is the mutual understanding we have. We are not just co-secretaries but also great friends. I am very happy that he was elected as the General Secretary. It wouldn't have been this easy to go through all ups and downs during this academic year if he was not with me. He used to support me in public and guide me in private and that's why he is the best.

WHAT IS YOUR MESSAGE FOR FUTURE STUDENT COUNCIL MEMBERS?

NAREN- I'd like to tell my future student council members is that no matter how hard it gets, be who you are and stand for what you believe in, because that is exactly how you can make a difference. There is no "I" in a team, never underestimate the power of teamwork. Give people the benefit of the doubt as there are already enough sceptical and cynical people in the world. Remember, perfection is an unattainable ideal, complete a task even imperfectly but, learn from it, move on and grow as you get a step closer to what you call perfection!.

Shristi Maheshwari
(Left) BBT 3rd yr



M.S. Naren Gopal
(Right) BBT 3rd yr

SHRISTI- If you believe in yourself then people will believe in you. If you want to contribute towards the betterment of the college than you should definitely be a part of Student Council. You will come across the feeling that you are not able to be up to the mark but then remember that some days are bad days and it's not your fault so take a break, talk to your fellow members and that is where they will support you and same you will do when they will face a bad day. If you are having issues with people clear it out rather than keeping it to you, it will strengthen your bond, when all members together will support, guide and understand each other. I believe that all the students in DYPBBI is capable of doing good as a part of council and I can see that you all will make the future of our college bright.

JOINT GENERAL SECRETARY



HOW DO YOU FEEL ABOUT BEING ELECTED AS A PART OF THE STUDENT COUNCIL?

I feel Proud to be a Part of Student council. As a member of Student Council I have learnt So many things.

WHAT ARE YOUR BEST MEMORIES AS A STUDENT COUNCIL MEMBER?

The best moment for me is enjoying every moment especially Cytosoul with my fellow Student council members.

WHAT IS YOUR MESSAGE FOR FUTURE STUDENT COUNCIL MEMBERS?

If you want to be a part of student council than you should have better management skills .

-RISHABH DUBEY
MBT 3RD YR



CULTURAL SECRETARIES

HOW DO YOU FEEL ABOUT BEING ELECTED
AS A PART OF THE STUDENT COUNCIL?

SHRAVANI- It was quite an experience. Even though people do think all a cultural secretary has to worry about is the decorations... That is not at all true. Being a part of this team taught us how to operate as a single body. It is a feeling of responsibility and the fact that people have actually trusted you and chosen you to represent them, is something pretty great.

SHRUTI- As being elected as the Cultural secretary in the students council it's gives a great privilege to represent the students and also to work on their behalf.

WHAT ARE YOUR BEST MEMORIES AS A
STUDENT COUNCIL MEMBER?

SHRUTI- The best memories as a student's council member is working together as a team planning all the events and executing the events together.

SHRAVANI- it has been a 'rollercoaster' ride. All the crazy moments in the library where we were all with piles of papers, flowers, glue, glitter and what not ... Those small moments really brought all of us together. And of course, the big finale kind of a moment when we were all up on the stage wearing our council hoodies posing at the end of the Cytosoul.

DESCRIBE YOUR EQUATION WITH YOUR CO-
SECRETARY

SHRUTI-

My equation with my Co- secretary was very nice and genuine We always worked efficiently so that we would always get a productive outcome.

SHRAVANI-

My experience with my co-secretary was pretty great. We had a good rapport when it came to work. She really helped me out a lot.



WHAT IS YOUR MESSAGE FOR FUTURE STUDENT COUNCIL MEMBERS?

SHRUTI-

My message to the future council members is that being in the council is a matter of responsibility which your fellow classmates give you and you handle that post on there behalf.. It's always fun to be a council member you get to know how things work, and how to work as a team... It's a great experience.

SHRAVANI-

Well, the most important thing would be to be committed to your work. People have chosen you and put their trust in you so, you got to justify that. The most important thing would be , to learn to take responsibilities. Also, be a team player. The student council must work as a tight knit team and every member should have an equal say in all the matters. Other than that... You are in for a lot of fun. There will be difficult times but its all worth it.



Shrutu Patil
(Left) BBT 3rd yr

Shravani Kedar
(Right) BBT 2nd yr

ACADEMIC SECRETARIES

HOW DO YOU FEEL ABOUT BEING ELECTED
AS A PART OF THE STUDENT COUNCIL?

MANAS-

It has been a wonderful experience. I have been able to inculcate new skills and values- how to work as a team, how to work efficiently under pressure of tight deadlines, How to resolve conflicts and put grudges aside for the sake of getting things done. Other than the learning part, all of us have enjoyed a lot of things while working together- council lunch dates, staying till late in the college, the music that we play while working, long rides, negotiations with vendors. This journey has taught me a lot of valuable lessons and has changed my perspective on a lot of things, It has made me value the opportunities that come our way, hard work that goes into making a change in the system, hard work it takes to put up a show. I have had my share of ups and downs during my tenure but my experience as a student council member overall has been positive and fun.

IRSIYA-

It has been an overwhelming journey. I got a lot of exposure being a student council member. I learnt different skills and values that will be useful in my future endeavours. My management and organisational skills improved to a great extent. It made me more patient and diligent. This experience also taught me the importance of teamwork in ones life. I'm grateful to be a part of the council and for the things this journey has taught me.

WHAT ARE YOUR BEST MEMORIES AS A
STUDENT COUNCIL MEMBER?

MANAS-

I have made a lot of memories during my tenure as a student council member from making new friends to new experiences, interaction with new people, it has been quite a ride. As far as best memories are concerned, I made the best ones during the event preparations for the farewell and the Cytosoul. The trip we took to the school in Nere village also stands out as a memorable one.

IRSIYA-

I have garnered many precious memories during my tenure as student council member. From organisation to seeing an event being successful, I enjoyed every bit of it. Little moments like the fun we had staying back at the college for cytosoul preparations, the council walk, going out for material collection, going out with my fellow council members after every successful event. I will always cherish these memories.

DESCRIBE YOUR EQUATION WITH YOUR CO-SECRETARY.

MANAS-

I believe that my Co-secretary Irsiya and I worked in sync with each other and were able to pull off our jobs, dividing our workload and effectively completing the task at hand everytime. At the same time we enjoyed while we worked and got to know each others' strengths and weaknesses which was very important for us to work efficiently.

IRSIYA-

Manas and I were already friends before being part of the council, so we didn't face any problem working as co-secretaries. He has always been supportive of me. We have great understanding between us and complement each other's abilities. We always used to share our responsibilities and work efficiently. We had a lot of fun working together as a team.

WHAT IS YOUR MESSAGE FOR FUTURE STUDENT COUNCIL MEMBERS?

MANAS-

This journey has such a learning curve, it brings out new capabilities in you. You get to interact with a lot of new people, get a lot of responsibilities, experiences. But the most important thing for a student council member would be to learn how to work as a team, how to bring out the best in others as well as yourself. Doesn't matter what post you get, just being a part of it matters and getting the job done as a team matters. Just don't get too worked up, relax and enjoy the ride.

IRSIYA-

I would just like to convey to all future student council members that take your responsibility seriously and fulfil all tasks given to you regardless of your post and most importantly work as a team and maintain good rapport with fellow council members as well as your college mates. Try to be humble and be supportive of your co-secretaries. Have fun and make a lot of memories. Good luck!



MANAS SEHGAL
(LEFT)
BBT 2ND YR

IRSIYA AIJAZ
(RIGHT)
BBT 2ND YR





MAGAZINE SECRETARIES

HOW DO YOU FEEL ABOUT BEING ELECTED AS A PART OF THE STUDENT COUNCIL?

SIMRAN-

I feel nice, also the role I got elected for is something I love to do. I love designing and hence I promise Enigma 3.0 would be the best one till now.

RITOJA-

I am elated to be a part of the student council. I am glad the teachers thought me deserving and gave me an opportunity to work for the college.

WHAT ARE YOUR BEST MEMORIES AS A STUDENT COUNCIL MEMBER?

SIMRAN-

I think the times when we prepared for events, they were tiring but fun. Chit- chatting and working with friends is something that I have always cherished.

RITOJA-

It has been quite a roller coaster. But the best memory is definitely Cytosoul and the preparations leading upto it. We had so much fun!

DESCRIBE YOUR EQUATION WITH YOUR CO-SECRETARY

SIMRAN-

Luckily, ritoja and I don't have different ideas. We are usually on the same page and it gets easier managing tasks. We both aren't lazy and always ready to work..

RITOJA-

Simran and I have a great chemistry. We both understand each other's working methods and balance each other perfectly.

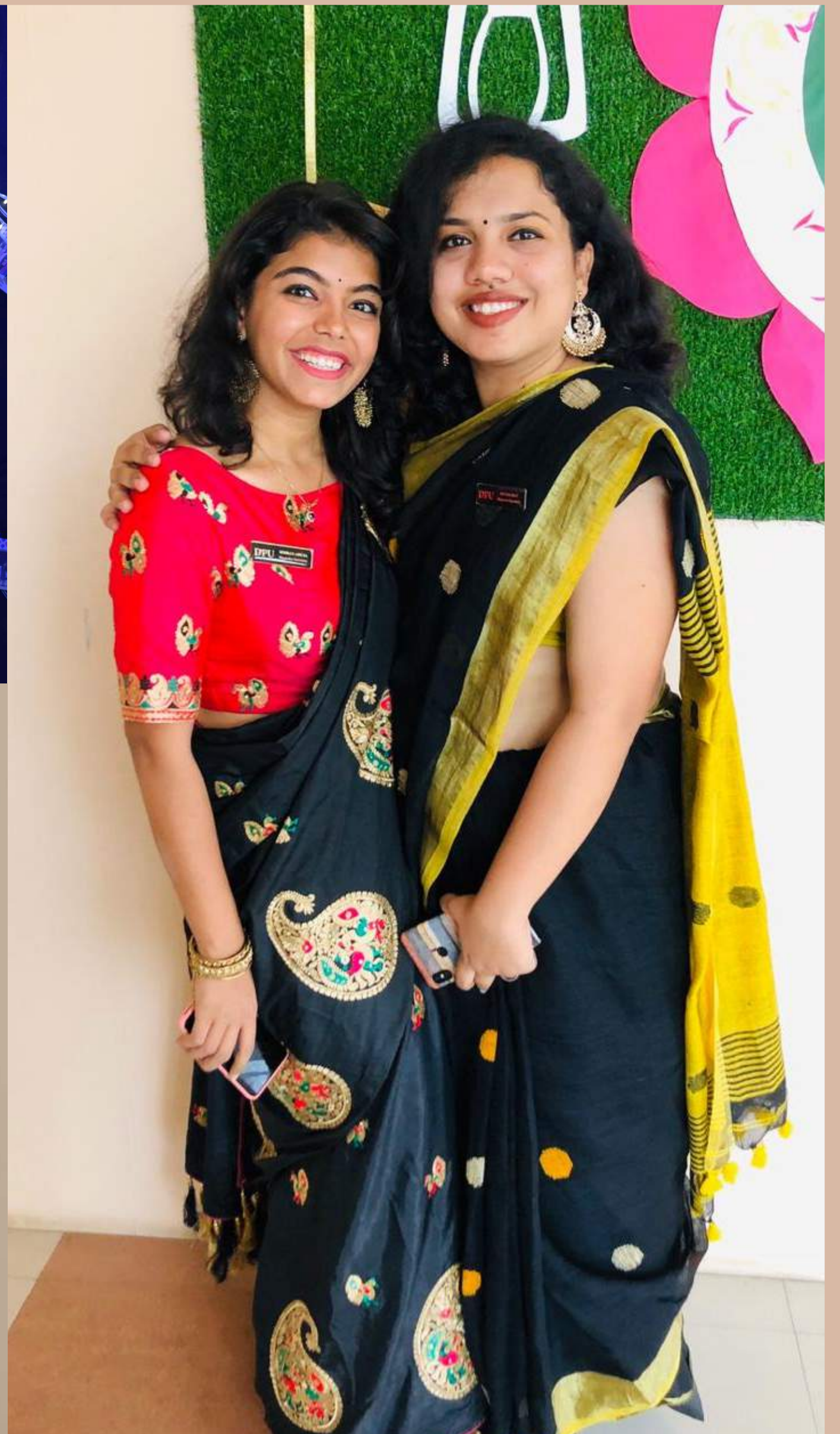
WHAT IS YOUR MESSAGE FOR FUTURE STUDENT COUNCIL MEMBERS?

SIMRAN-

First message would be don't choose a role that is not of your interest..also in the council you need to be humble and have a positive mindset. If you have negative approach towards others, it would just lead to choas. So be humble, love your work and don't stress.

RITOJA-

It is a big reponsibility, no matter what post you are given. Always ensure you work in a team. Even though it's a big job, you will have tons of fun and create some of your best memories.



SIMRAN AHUJA (LEFT)
MBT 2ND YR

RITOJA RAY (RIGHT)
BBT 2ND YR

SPORTS SECRETARIES

HOW DO YOU FEEL ABOUT BEING ELECTED AS A PART OF THE STUDENT COUNCIL?

DEEPENDRA-

It was a great feeling because it's a big achievement for any student to being a part of student council and this time it was an open election which shows that the council member is a true leader as people elected that person and wants that person to lead them. It shows that everyone knows you, values you and support you. I think more than council members our college want characters. Characters who wants to express themselves, characters who are desperate.

HARSH-

Being elected as a part of the student council is something I look upto as an achievement. The post of sports secretary is a post of high gravitas and it is my honour to be elected for it not only on the basis of my own merits but also the trust which students have shown by voting for me and considering me eligible for the post. Committing to my duties and working towards maintaining the dignity of my post as done by the previous sports secretaries instills a sense of pride in me.

WHAT ARE YOUR BEST MEMORIES AS A STUDENT COUNCIL MEMBER?

DEEPENDRA-

I think from being elected till now, complete span is filled with so many beautiful memories. From energetic walkathon to the amazing cytosoul sports and cultural events, I have made so many memories. But if I have to choose one then it will be kabaddi matches of cytosoul where I felt a high energy environment created by our students. Everyone was like they will do, or they will die. And in the end of these do or die matches, the result I got is my hand fractured and complete bed rest of one month.

HARSH-

There are many memories I have acquired throughout my tenure which I'll cherish forever. Managing the sports events of the college fest, making teams for the inter-DPU sports tournaments, designing the jerseys, happiness in the moments of victory, learning from the losses, motivating players, practicing and getting back in form for the events myself are some fond memories which will stay with me always. Most important thing I realized cause of my post is that the people I least interacted with were my true well-wishers and they were the ones who were always ready to aid me during the course of my work or whenever I was stranded in any situation. What I mean to say is that people who are meant to be with you till the end always stick around. There maybe instances where you and that person may drift apart for a certain period but finally you are always going to end up together for the greater good.

WHAT IS YOUR MESSAGE FOR FUTURE STUDENT COUNCIL MEMBERS?

DEEPENDRA-

Each and every post of the council is important and carries responsibilities. As a council member you should have strong judgement power as you will face many situations where you have to take decision after a good judgement of the respective situation. Discussion is a great way to solve any type of problematic SITUATION SO as a council member if you got stuck in any type of situation discuss among your co council members.

HARSH-

I don't have any specific message as such but there are a few things I'd like to say. If the candidate is looking to be the part of the student council for the sake of fame and power, he or she should just drop the idea of being a student council member. It's true that you get to know a lot of new people being a council member but that doesn't mean you work for your own intrests and excercise your powers in a wrong manner. If you can be true to yourself, be unbiased in every situation, avoid favouritism and single-mindedly work for the welfare of college you truly are the one to be a part of the student council. A council member is supposed to work without expecting anything in return. If you are coming in with a mindset of getting rewarded for the work you do, you are just going to end up facing more setbacks. Lastly I would like to say is that a council member should always maintain an optimistic outlook throughout all the problems he or she faces during their tenure. People who tend to get offended easily and carry an ego for no reason should just stay away from the thought of being a council member. Thank you.

HARSH CHAVAN
BBT 3RD YR



DEEPENDRA CHATURVEDI
BBT 3RD YR

NSS COORDINATOR

HOW DO YOU FEEL ABOUT BEING ELECTED AS A PART OF THE STUDENT COUNCIL?

It is an amazing feeling to be in the council, especially working in unison with colleagues to fulfill various activities around the college. It has been a wonderful experience to take up new responsibilities and developing a skill set to cope up with varig in the council has taught many things about being responsible, team work and much more.

WHAT ARE YOUR BEST MEMORIES AS A STUDENT COUNCIL MEMBER?


Of course when it comes to memories most of them were great and cherished. But the main one that stands out has to be Cytosoul where everyone spent days and nights together to make the event a success. Even with some shortcomings we were able to cope up and were able to put together a great event.



WHAT IS YOUR MESSAGE FOR FUTURE STUDENT COUNCIL MEMBERS?

The main advice I'd like to give the future council is to work in unison and not compartmentalize the council. And as for the one who'd replace me I'd say, being NSS coordinator you're just going to have to follow what comes from the main university. However you can try to be more Innovative and achieve better feat since this NSS is still is a new thing and much more has to be figured out.

- SYAMANTAK MUKHERJEE
MIT 2ND YR



PLACEMENT CELL COORDINATOR

HOW DO YOU FEEL ABOUT BEING ELECTED AS A PART OF THE STUDENT COUNCIL?

VANISHA - It is indeed a matter of pride and responsibility altogether. There comes a lot of learning besides mere leadership with every post.

ROSHINI - I thank my teachers who inculcated such capabilities in me that I felt confident to be able to discharge my duties and responsibilities.

SONAL - It feels really good to be part something so important in college. With the post there comes a lot of responsibility which helped me to grow and learn.

SHIRSHA - To start with, I am honoured on being a part of student Council. But that honour comes with a lot of responsibilities. I am constantly thinking about the student body and the ways in which I can work for their betterment. It is like having a family where you are responsible for most of the actions, decisions and future developments.

WHAT ARE YOUR BEST MEMORIES AS A STUDENT COUNCIL MEMBER?

VANISHA - Right from the day i was elected to all the events and programmes we have done together. All of us worked as a team rather than just working for the post.

ROSHINI - Right from the day i was elected to all the events and programmes we have done together. All of us worked as a team rather than just working for the post.

SONAL - My best memories are when all the council team came together and worked to make a great event. This makes me believe without unity you cannot do anything.

SHIRSHA - Organising Cytosoul fest .

DESCRIBE YOUR EQUATION WITH YOUR CO-SECRETARY.

VANISHA- We have always avoided the conflicts that may arise. I think dividing the work among ourselves as to who is best at what. To realize the strengths of each other and work accordingly.

ROSHINI- In the starting days we were adjusting with each other. But as the time passed by, Now I can say proudly that I along with the Placement Coordinators we have become very good friend of each other.

SONAL- My co secretaries are always helpful. We have tried our best to do any task assigned.

WHAT IS YOUR MESSAGE FOR FUTURE STUDENT COUNCIL MEMBERS?

VANISHA- To work as a team for the students of the institute and the institution itself. Be polite and approachable always and put in all the hard work you can, there is a lot of learning. It is a journey and I am sure you would enjoy being a part of it.

ROSHINI- When you get elected whole student council should be your family .Do not divide it on the basis of friendship or class wise because unity in the council makes our College more peaceful and give a better environment to grow.

SONAL- When you get elected whole student council should be your family .Do not divide it on the basis of friendship or class wise because unity in the council makes our College more peaceful and give a better environment to grow.

SHIRSHA- Be the best version of yourself when you have a lot of responsibilities. Do everything that you would expect your council to do for you. Don't hesitate in taking decisions in tough times. Listen to the other council members and be heard. Keep everyone's best interest in mind,that way you would also be maximising your own benefits.



ROSHINI NAAZ
MBT 3RD YR



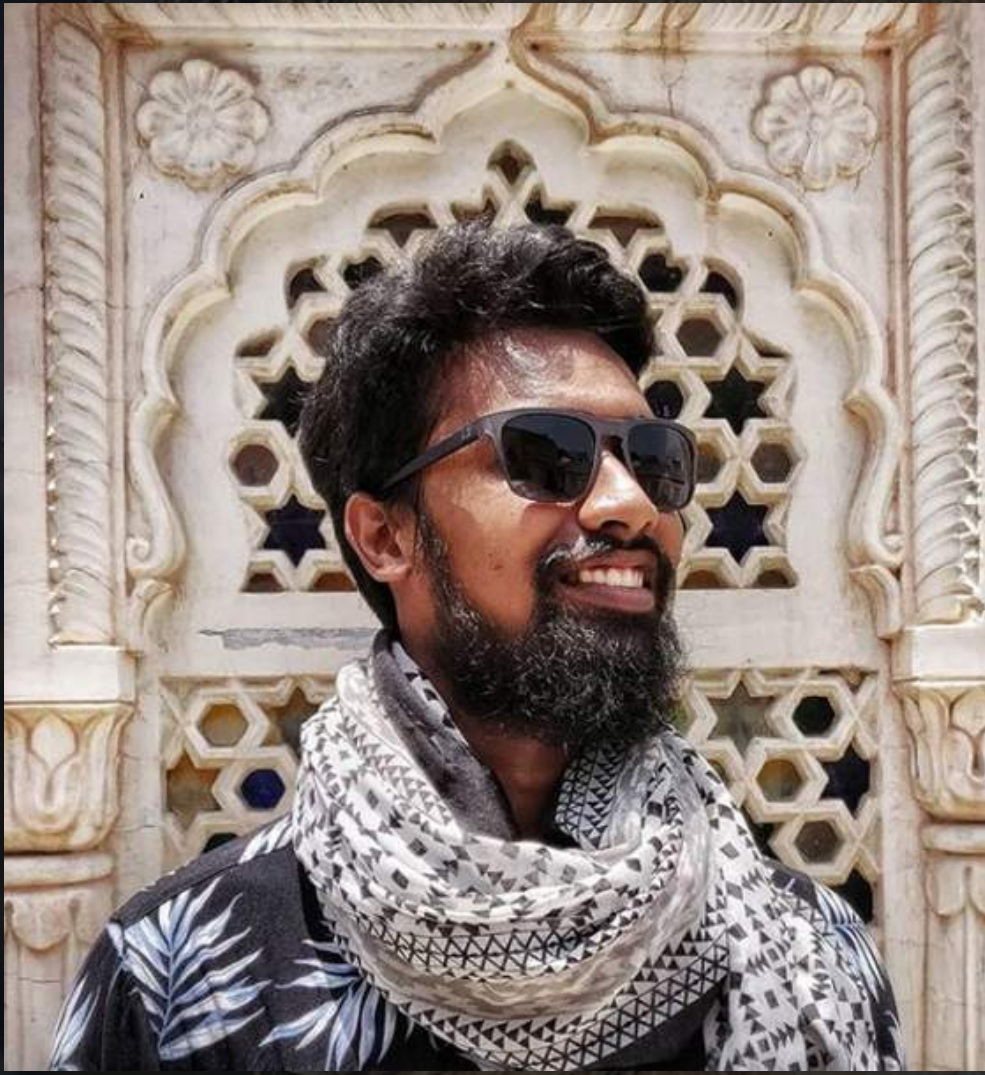
SONAL AHER
BBT 3RD YR



VANISHA BANSAL
MIT 3RD YR



SHIRSHA NANDI
MSC 1ST YR



WHAT IS YOUR CURRENT JOB DESIGNATION?

I'm currently a Cinematographer & Video Editor by profile. I work as Head of Post-Production for my own freelance media agency named CauseInc., which produces documentaries, advertisements and other media deliverables. I'm also working full time for an online news agency named StratNewsGlobal that deals with defence issues, diplomatic relations and international affairs.

YOU WERE ALWAYS GOOD AT STUDIES, ALSO AN ALL-ROUNDER, THEN WHY DID YOU CHANGE YOUR FIELD?

Heads up this is going to be a long read. I've been fascinated by cameras since a very young age but even in my wildest dreams, I hadn't thought that my profession would revolve around one. I've always been good in studies and for some reason our education system makes us believe that equates to picking Science as your field. I'll be honest though, I thought Science was interesting and I was probably one of the few students who took up Biotechnology as an optional subject in School. My parents never forced me to take up Science, but I guess they never asked me if there was anything else I had in mind either. I had a lot of interests I wished I could turn into a profession, back then I dreamt of being a professional guitarist. But I think our society subtly but surely keeps reminding us that the things we love doing can only be a hobby. Be it sports, art, music or anything creative, we're often told that we could have a job as a scientist or doctor while continuing to pursue our interests as just hobbies. Somewhere along my BTech, I think around my 2nd year, I started losing interest in the subject. It's hard to say why but I noticed the change. Around the same time, I met Prahlad, a friend of my brother who was studying Mass Communication. Due to some unforeseen circumstances, he had to live at my flat for a few months. During that period I saw his batchmates editing videos and I thought I could do this too. Within a few months, I started video editing. The first video I edited was of a motorcycle trip to Alibaug from Pune and it was edited on my phone using some free app. A little while later Prahlad asked me if I could edit a video for one of his clients. I obliged and we both realised I had a knack for creating narratives. Most importantly I was quick and diligent with my work, something I credit my BTech degree for teaching me. Soon I was an integral part of Prahlad's team and I started improving my cinematography skills as well. By my third and fourth year, I was travelling different parts of the country shooting ads and documentaries, all while maintaining my CGPA. I still hadn't considered filmmaking as a profession though. I was happy being able to make videos and earn a quick buck off it. In my final semester, I was doing my thesis project under Neelu ma'am and I would always carry my old DSLR and a GoPro to college and record observations both in writing and as videos. It was during this time that I finally realised that I enjoyed recording videos of my observations more than I enjoyed doing the experiment itself. After a few days of reflection, I realised filmmaking was my calling and I would pursue it after my BTech.



WHAT WERE THE PROBLEMS YOU FACED INITIALLY? WERE YOU SCARED WHILE CHANGING YOUR FIELD, DID YOU THINK ABOUT YOUR SALARY ETC? ALSO, HOW DID YOU CONVINCe YOUR PARENTS (BEFORE CHANGING YOUR FIELD)

Since I started working in the media field during my college years itself, I knew I had a basic understanding of things. However, it was still difficult explaining to people why they should work with someone who doesn't have a degree in the media field. Since I had a high CGPA and GRE Score, I knew I could've easily gotten a scholarship in a good college abroad for my MS and eventually land a well-paying job. The thought of giving that up was petrifying at first, but I knew I had to do it. I didn't want to be a 'Lab Rat'(Pun intended and no offence).

I knew I wouldn't get paid a lot as I had no degree in the field, but with a few years of experience at CauseInc. I had enough work for people to ignore my education. I was lucky enough to have a good first job where I was earning more than Biotechnology graduates. Convincing my parents was pretty strange. When I told my dad I wasn't interested in pursuing my MS, he was confused and all he said was, "But you wanted to do this so badly". He was scared this was just a fleeting passion and that I wouldn't be as successful as I could be in the Biotechnology field. I had to ask them to trust me and they did. Up until last year my parents still thought I might do my MS. But after taking up my third job in the same field, they've finally realised I'm in the media field for good. In fact, in a strange turn of events, they're now pressuring me to do my Masters in Filmmaking

WHAT MESSAGE DO YOU HAVE FOR OUR COLLEGE STUDENTS?

I think most of us don't really know what we want to do when we come to college. Some are there cause our parents guided us, some cause society guided us and only a few really know what they want. I was convinced I wanted to be a Biotechnologist. But look how that changed. And I think it's okay if you're confused. But take these 4 years to figure out what you want to do ahead in life. I'm not saying everyone in the college should change their fields but don't just keep going on cause you feel like now your life is decided for you. It's never too late to make a change. And these 4 years aren't just for memorising what your books have written. Meet new people, learn new things, explore and evolve cause these things will help you grow as a person and help you in the future, no matter what field you choose.

- SHAURYA LENKA

WHAT IS YOUR CURRENT JOB DESIGNATION?

So currently I'm working as a research analyst for Innoplexus AG that is powered in providing AI and blockchain data analytic solutions to pharmaceutical and biotech companies around the globe. Primarily my work is related to **bioinformatics research** with leveraging power of machine learning and data science to explore biological systems and processes too complex to be explored by hand. It links data science methods with biology tasks.



WHAT IS THE SCOPE OF BIOINFORMATICS IN FUTURE?

The future of bioinformatics is very bright. DNA analyses, artificial intelligence in clinical research, and unthinkable new drugs, medicines, and vaccines are rapidly advancing as bioinformatics is spurred by the AI craze. Bioinformatics has been given a spotlight amid COVID-19. The first bioinformatic breakthrough carried out by bioinformaticians was on the new corona-virus biological sequence which was a starting point for developing novel drugs and vaccines

HOW DID YOU GET THE JOB? HOW SATISFIED ARE YOU WITH YOUR JOB?

Well I got this opportunity from college itself as a pre-placement offer, I had to clear three interviews before I could join as a research intern, then with the hard work and experience got promoted to research analyst. I'm quite satisfied with my job since I could learn majority of the stuff related to my field of interest and make core competencies strong for future career goals.

WHAT OTHER SKILLS DID YOU HAVE TO ACQUIRE TO WORK IN THIS FIELD?

I learned skills such as Team work, communication skills, project planning, responsibility of team, time management, problem solving skills and work ethics. From technical side of it, I gained skills such as data analytics, machine learning, bash, python, nosql, git, ngs, molecular dynamics and molecular docking.

DO YOU PLAN ON STUDYING FURTHER?

Yes, I have ambition to do masters in bioinformatics at some point. However, first I would like to do gain professional experience to further my understanding in the respective field then will definitely opt for masters.

WHAT MESSAGE WOULD YOU LIKE TO GIVE OUR STUDENTS?

You have an active and constant role in your learning. It may not always seem like it, but you're in control of your own failure or success. So keep working hard, increase your skill sets and try to opt online certifications to boost your CV and learning. Last but not the least you guys can always get in touch with your teachers and seniors for knowledge transfer.



BATCH OF 2014



PLEASE INTRODUCE YOURSELF

I am Tejan Shukla from the batch of 2014 of our college. Currently, I work as a relationship executive at Life Cell International, which is a stem cell bank. Apart from that I also have two startups; one of them is all about food, travel and all about luxury which is called INDIA WATCH where I am the senior business development executive. The other company which I own, where I am the CEO, is GRAVITATE A.I., here we deal with Artificial intelligence and Augmented Reality.

THAT IS A REALLY WIDE RANGING WORKING SPACE. SO, WHAT EXACTLY ARE YOUR ROLES IN ALL OF YOUR VENTURES?

The first one is India Watch where I am the senior business development executive. Here I work on the fields of how to grow the business and how to reach out to more and more people for the business expansion. At Gravtiate A.I, I look after the operations and monitor whether the operations are being carried out smoothly and if our services are being delivered well.

WHAT MOTIVATED YOU TO BREAK THE PATTERN AND START YOUR OWN COMPANY?

Well, startups are usually seen by people as a very uncertain path to follow. That is what happened with my family too. They were a bit uncertain about my decision at first and told me to think it through. I rejected quite a few offers of universities of Europe because I was quite sure that I wanted to do something on my own. So, I took job for about 2-3 months in Pune and after this I was completely convinced that this was not my thing and that I wanted to start something of my own. So, me and my team, we attended many conferences, met many people and did our basic research and started an A.I based marketing company, which also has voice analysis and AR. The basic motivation I had was that I wanted to make a difference, I wanted to be a part of peoples' basic life and make it better. This urge to make a difference is all that was needed to motivate me to start my own company.



WHAT WERE THE PROBLEMS THAT YOU FACED WHILE STARTING YOUR OWN COMPANY?

When it comes to starting a company the problems are wide ranging i.e. from petty issues to real legal aspects and the functions of the company. My job is to find solutions to all these problems and to get things done. Every day we wake up to new problems in the company, teams working, demands, and whatnot. Amidst all this you need to focus on the outcome that is getting the teams to work efficiently and get thing done.

WHAT OTHER SKILLS DID YOU HAVE TO ACQUIRE TO START AN A.I. BASED COMPANY? (BECAUSE IT IS NOT ONE OF THE SUBJECTS TAUGHT IN COLLEGE.)

The first thing we need to scratch out of our heads is that your knowledge is not based upon or limited to the degree that you hold or the courses that you have taken. The knowledge about A.I., servers, coding etc was obviously not a part of my graduation degree. The basic concept here is that your motive will make you learn all the required skills for the job. When you are determined to achieve a certain thing, this urge will push you to gain knowledge of things you never encountered before. I gathered all this knowledge fro basic reading and self teaching. In today's world it is your skill that matters and not what your degree or the certificate says. Although our college didn't have these subjects but Biotech and these advanced technologies are together going to create huge scope for great informative product an example of which is the customized drug delivery.

HOW DID YOU MANAGE TO BALANCE BETWEEN YOUR JOB AND THE COMPANY? HOW DID YOU KEEP UP THE GOOD SPIRIT?

The answer to this is quite simple. When you really love doing something and really want to do it, you will always find a way to find time for it and get it done.

When you are really passionate about your work you will always find time for it and will know how to juggle between all the obstacles that cross your path.

Like even today, I am a football player, amongst all this work and job I still find the time for my passion. You got to do what it takes to make all the ends meet.





DID YOU EVER FEEL LIKE GIVING UP EITHER YOUR JOB
OR THE BUSINESS?

EVERYDAY. Every day when I wake up I wish that I could just give up but then the inner self won't allow to quit. When you want something so badly and have worked so much for it, you don't give it up so easily. Quitting is not an option when you really want to do something. You have to focus on the solutions rather than the problems.

WHAT MESSAGE WOULD YOU LIKE TO GIVE TO
OUR STUDENTS?

Well, the first thing would be to work for yourself. Do what you really wish to do and work hard toward it, don't let people decide your course of actions. If you are determined to work on something don't hesitate to pursue it. Also it is important to know that there are solutions to every problem. What our generation tends to do is that we focus on the problems a lot more than the solutions.

Most important thing would be that don't measure your work in monetary aspects. If you really want to do something, get started don't keep worrying about how it will end up or how things will work out. Your daily efforts will make the path itself.

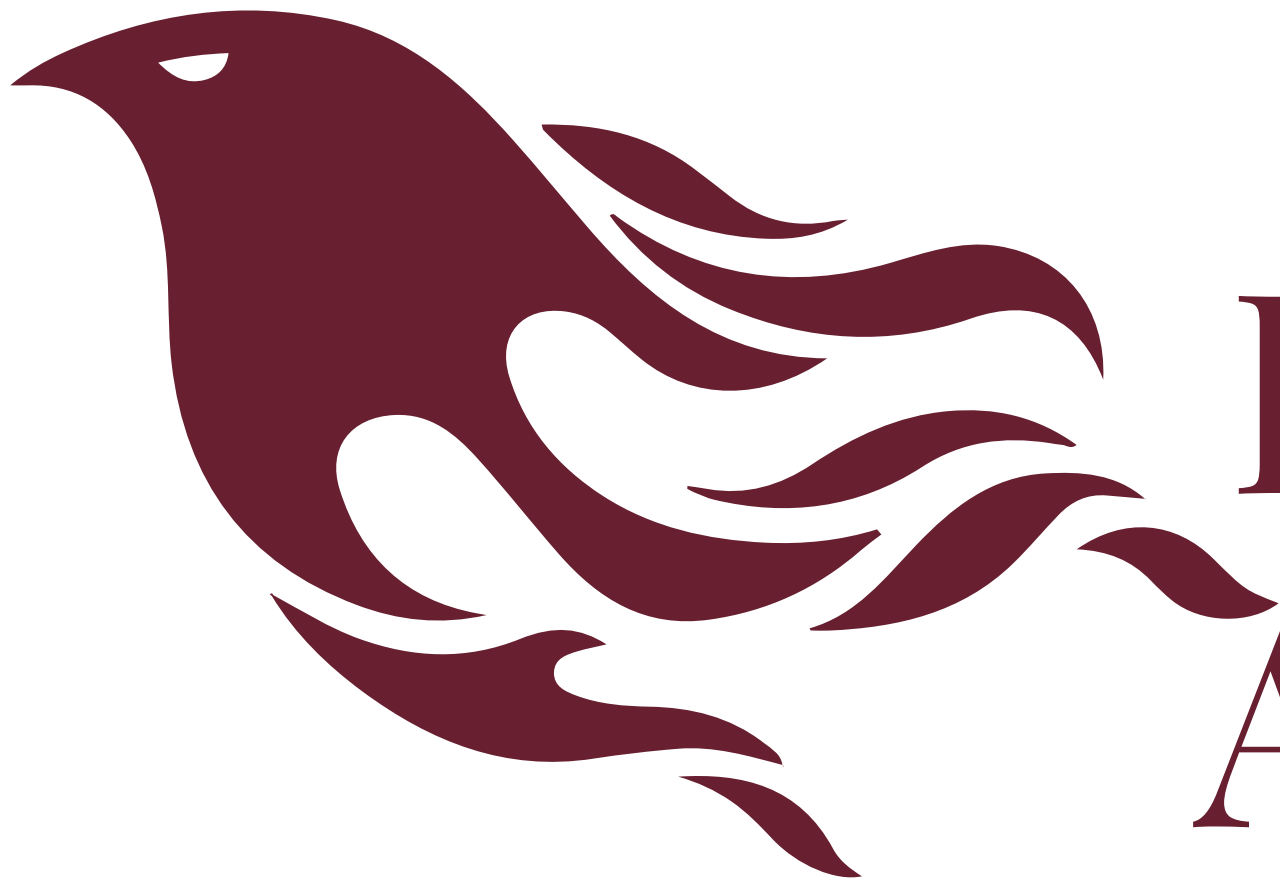
I want to thank all of you lovely juniors for giving me this opportunity to speak to you and share my experiences. This made me feel still connected to our college, a place that has taught me so much. I would like to thank the magazine committee for this effort, because I know how much effort this takes as I myself was a content writer for the magazine back when it started.

So, best of luck to all of you for your future endeavors.

COMPILED BY - SHRAVANI KEDAR
BBT 2ND YR



Creative Minds



Rise Like A Phoenix

-Nandini Sinhal
BBT - 1st yr

Rise like a phoenix
from the ashes you are reborn.
For there will not be success every time,
there may come Downfalls,
Failures, Retardation and what not.
They'll put you to test,
They'll put you in fire,
and won't leave until
Either you break or you rock.
But remember always,
getting broken is easier
but to rock is greater.

You won't have your life help you
Your life is ruthless
You won't have fate uplift you,
for fate is imaginary.
It is never when you will be aided by a petitioner.
What will uplift you...
Is determination for it being potent,
Is courage for it being essential,
Is striving for it will lead you to your goal,
Is your focus
Though we shall not achieve it immediately,
but we still shall strive.

But never concede defeat,
never renounce till the
last bell has rung,
till the doom has arrived.
You are the one,
One who can get through life's test.
Never mind your fall,
Investigate where you skipped.
Find and achieve the cause
for which you are reborn.
Rise like a Phoenix
from the ashes you are born.



"Or Just That"

I'd just want to be the direction some wishes to walk in,
I don't want to be the water in the well or even the well,
I'm just tired of being the ground anymore .
I do not wish to touch those stars up there,
I'd just want to mirror their shine in my eyes.
I do not wish to stop being the poet,
I'd just want to be the poem once.
I do not wish to visit every street that awaits me,
I'd just want to know that somewhere I'll be home.
I do not wish to get ecstatic at every exaggerated laughter,
I'd just want to realize how the widening of my lips brings me happiness.
I do not wish to be the star-crossed love of your life,
I'd just want to hear the reiteration of my heartbeat racing under your chest.
I do not wish to never have pains and scars,
I'd just want to know that those little surprises on my skin won't make you
walk away.
But then perhaps the world's not a wish granting factory,
Because the last I remember,
When my pen started to write about you;

THE PAPER SAW JUST A DOT, ANOTHER FULL STOP

- NIHARIKA KASHYAP

BBT 1ST YR



A letter to the lord,

I am trying
I am.

The sunshine now worry me a little less
Somehow, I find hope in the orange rays.

But the night,

It still cripples me to the core

Makes me long you more and more.

Now I smell of caffeine and smoke

Sometimes too of a neat barrel oak

I'm done searching, but still waiting to be
found

Like a little forget-me-not on the ground

I believe I can survive

through the day and through the night

Just need a little hand to withdraw my
fright

I know, I will survive.

*-Sayantani Ghosh,
M.Sc first year.*



वह मुझसे बोहोत प्यार करती है

मुँह को लगता हु, गले से उतरतीं है,
ये प्यास मेरी, सिर्फ साकी को मालूम होती है,
कभी छलक जाए, तो फिर लबालब भर देती है,
तेरे तिरस्कार से भारी, ये मीना मेरे
हाथों में बहुत जंचती है।

कुछ तरसाये हुआ को, कुछ नसीब वालों
को मिलती है,
यहाँ तोह हर आशिक़ की नुमाईश लगती है,
और ज़रा गौर से देखो इन गलियों को 'अग्र',
यहाँ तो हर रोज़ किसी रांझे की हीर, किसी और की हमबिस्तर होती है।

वो मेरे खवाबों में आती है, मेरा हाथ थमती है,
मेरे काफ़िर को छोड़, मेरा साथ मांगती है,
कोन कहता है, ख़्वाब हकीक़त नही होते,
वो रोज़ मेरे साथ सजदा कर, दुआएं काफ़िर के
लिये मांगती है।

वो पूछती है कहानियां मेरी, जिसमे वो खुदको मांगती है,
हर मुस्कुराहट मे, वो अपना हिस्सा मांगती है,
हर आँसुओं का इल्ज़ाम, वो मुझपर लादती है,
और बड़े प्यार से देती है वो, अपने हाथों से विष मुझे,
और फिर मेरी ही लंबी उम्र के लिए, वो करवचौथ का व्रत मानती है।

वो मेरी हर रात को, हिज़्र की रात बना देती है,
अपने नशे मे, मुझे डूबकर, काफ़िर को मदहोश करने वो जाती है,
बड़ी ही अच्छि महबूबा है मेरी, मुझसे बहुत प्यार करती है,
इसीलिए तो एक बार में नही, मुझे रोज़ थोड़ा
थोड़ा मारती है।

-Shubham Agrawal
Msc 1st yr



**“HANDLE WITH CARE,
PLASTIC IS
EVERYWHERE.”**

Plastic in the oceans, Killing aquatic life.
Plastic in the landfills, Polluting our soil.
A layer above and another underground,
Making it difficult to hear Mother Nature's sound.
Plastic flowers and artificial Christmas trees,
Plastic in our food and drinks,
Plasticizers in the milk,
Plastic in what we wear and everywhere we go.
Plastic is filling up all our view.
Plastic plates and plastic spoons
Plastic containers and all those plasticity measures.
Plastic dolls and plastic bricks
Plastic's piling up so thick.
Taking billions of years to fix,
Our Earth literally is sick.
The continent of plastic is rather quite drastic,
It's high time to realise now,
we need to switch to Bio-plastic.
Do not let this plastic be our doom,
Enclosing life in a plastic tomb.
We could plasticise our minds or find a way to harmonise
And wrap up this plastic debate,
Before it is too late.
The time has come to make amends
It's upto us to see it ends.



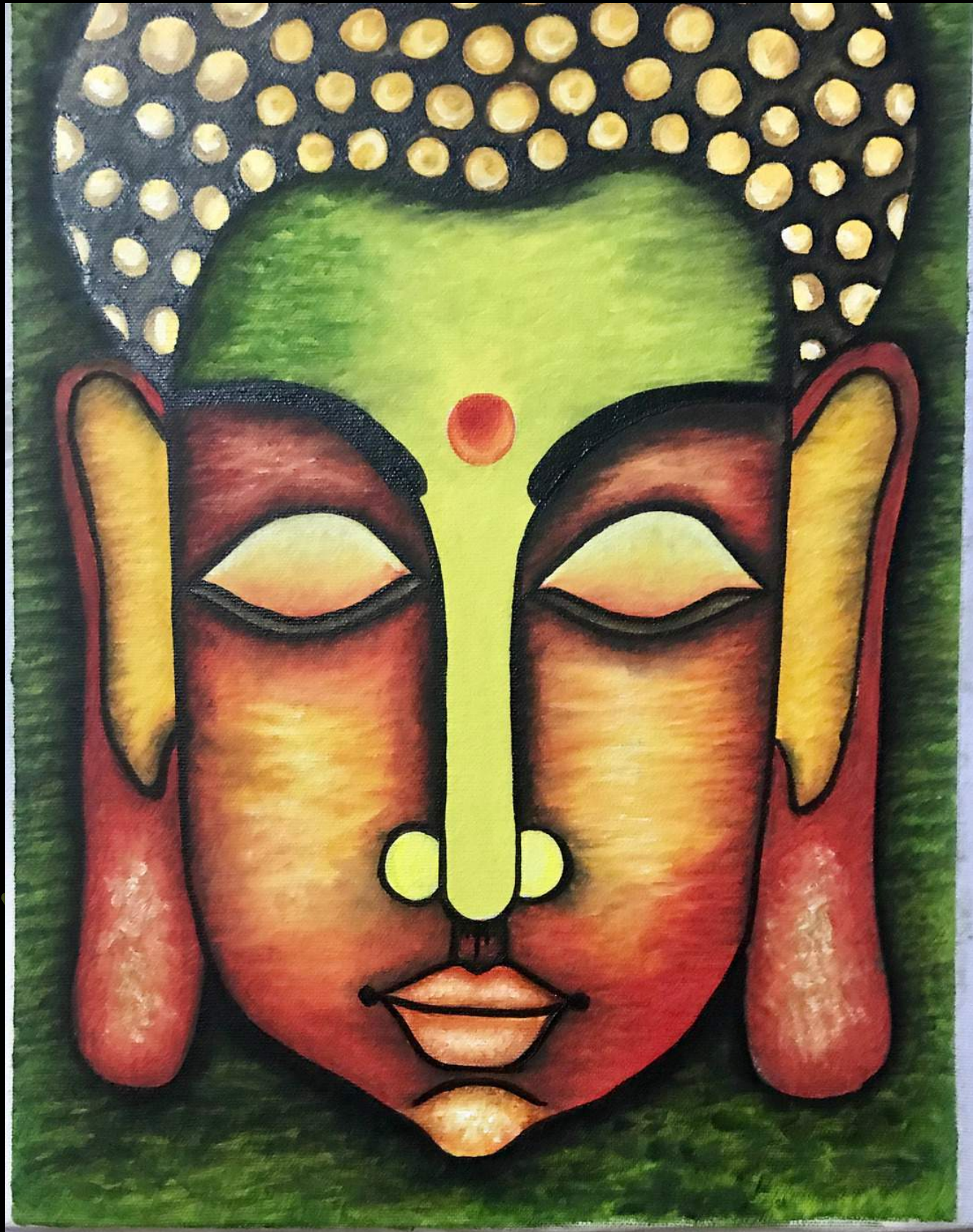
**-Aakanksha Desai
BBT 2nd yr**

ART CORNER

THE HIDDEN TALENTS OF OUR COLLEGE



Shravani Kedar
BBT 2nd yr



Nandini Sinhal
BBT 1st yr



Sharvari Saraf
MBT 2nd yr

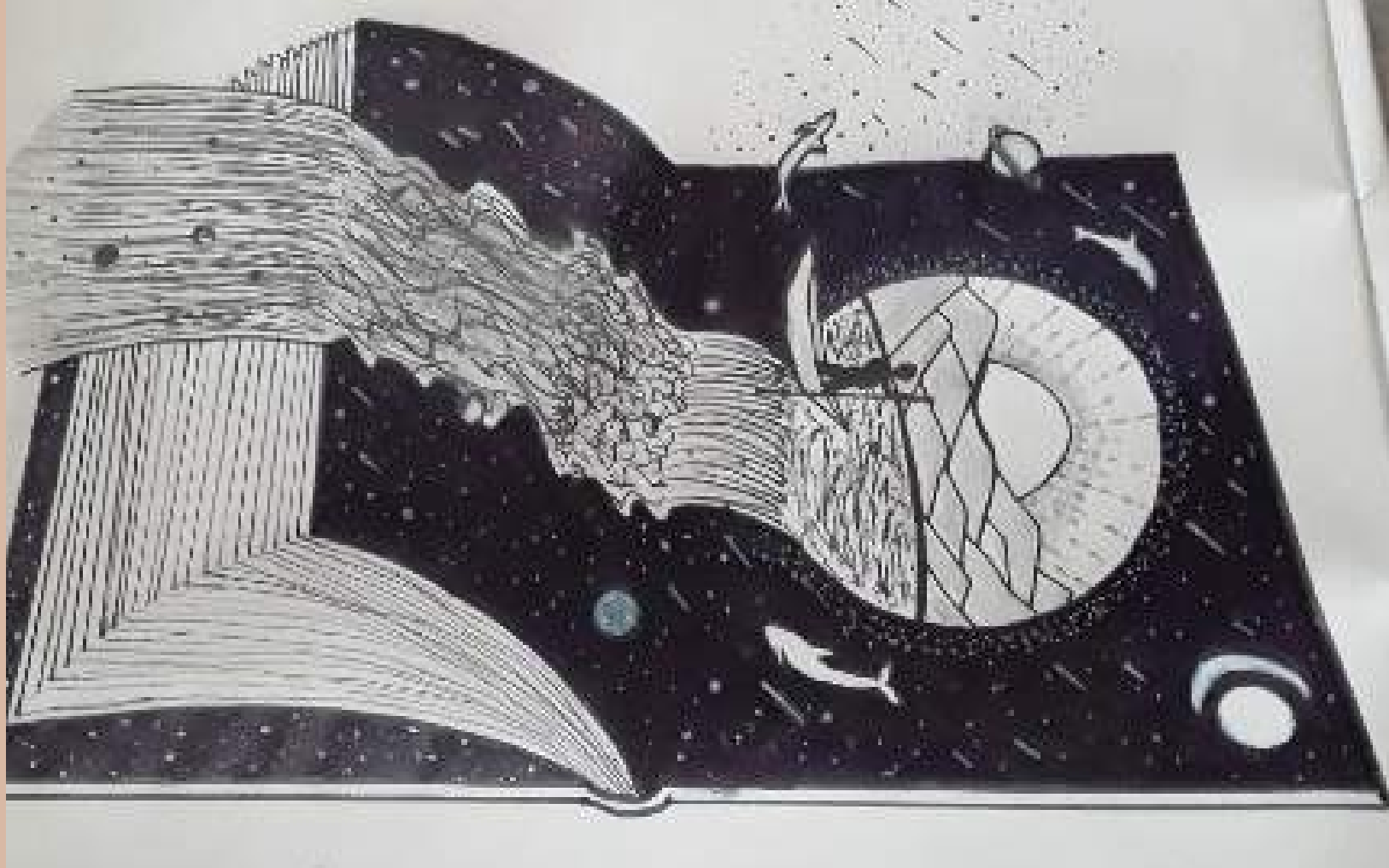


Shravani Kedar
BBT 2nd yr

Parija Phadnavis
Msc- 1st yr



Ketki Barve
MIT 2nd yr



Aishwarya Raghuraman
Msc 1st yr



Simran Ahuja
MBT- 2nd yr

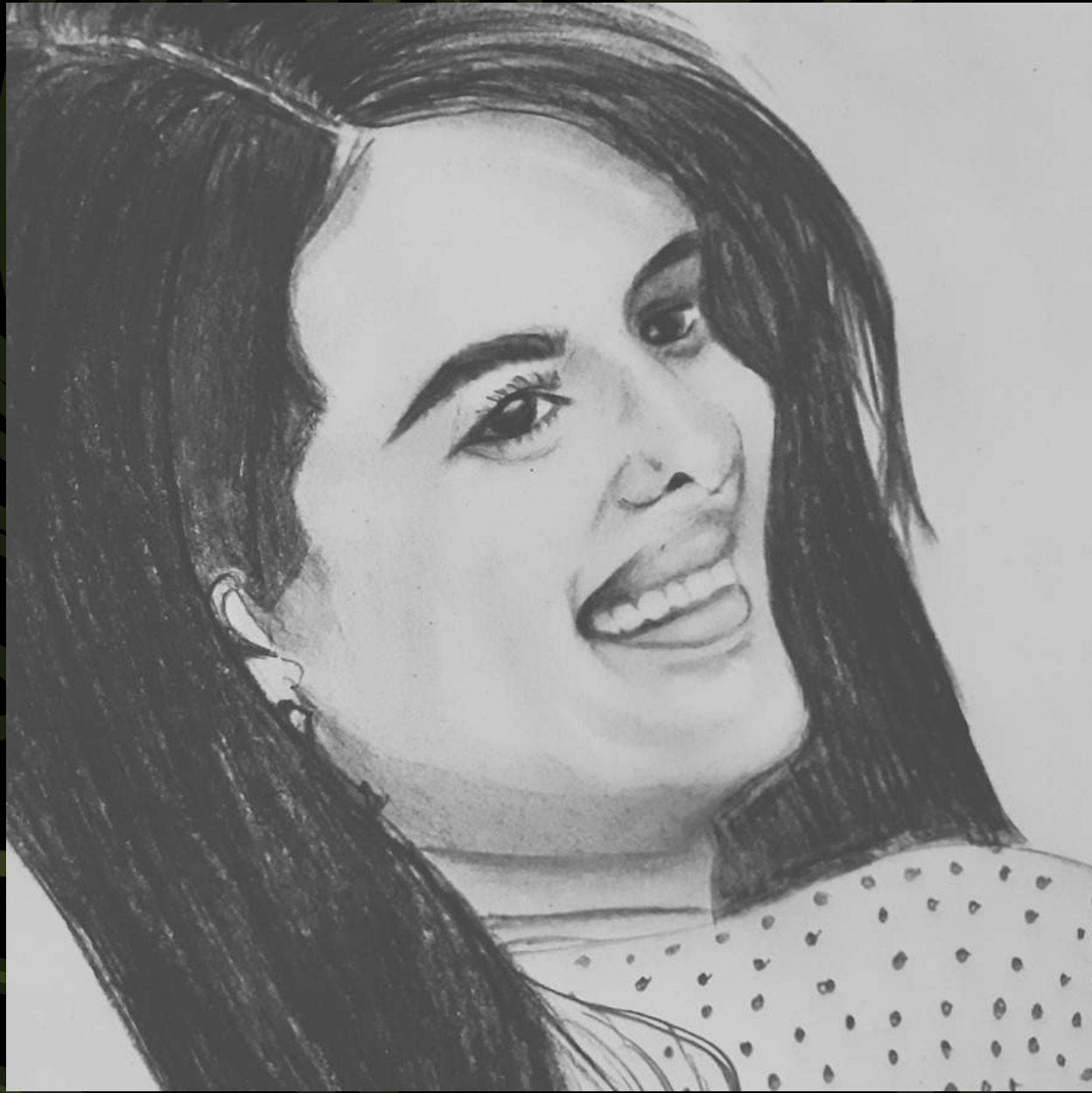


Komal Shendge
MBT- 2nd yr





Rutika Gavate
MBT- 2nd yr

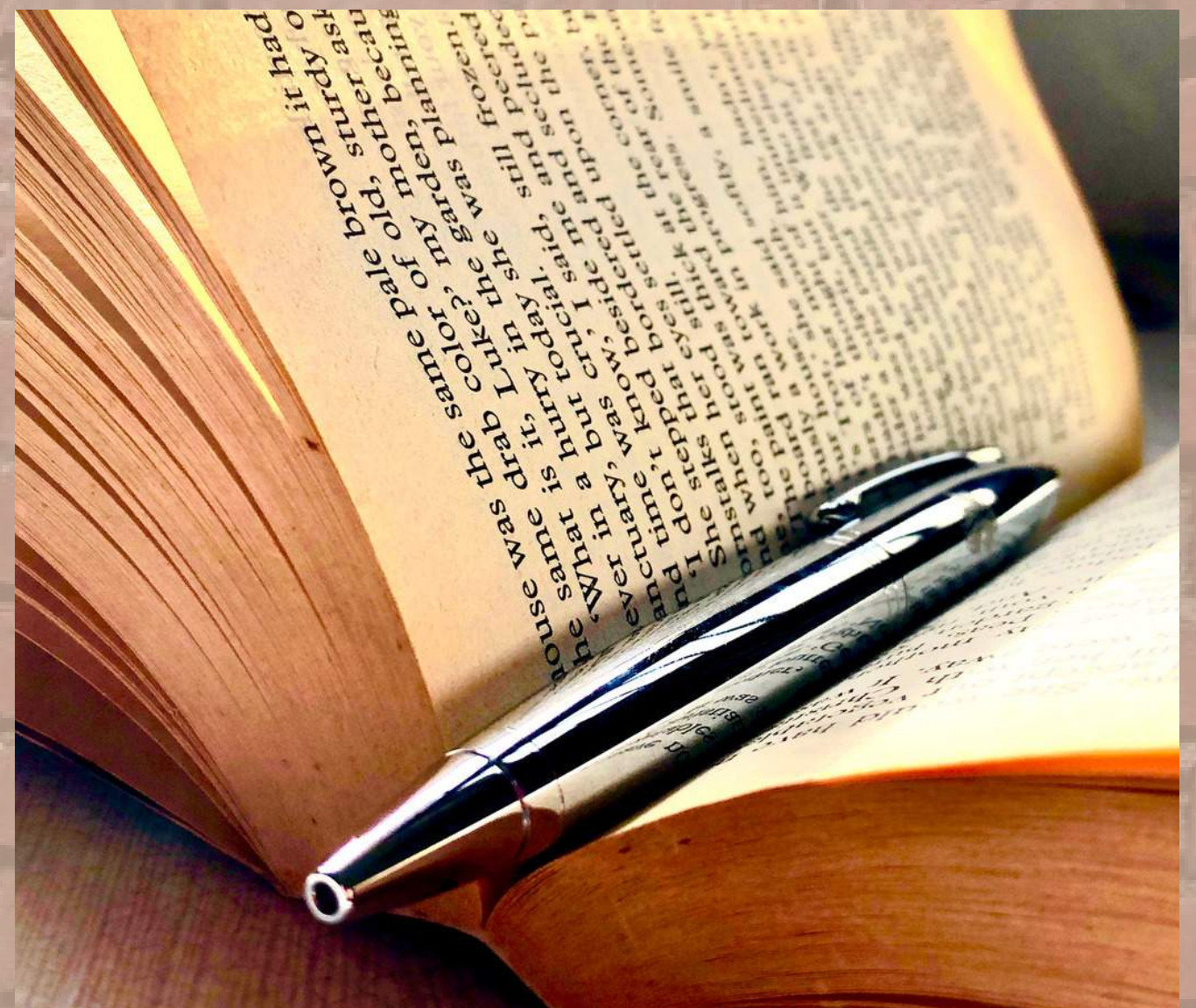
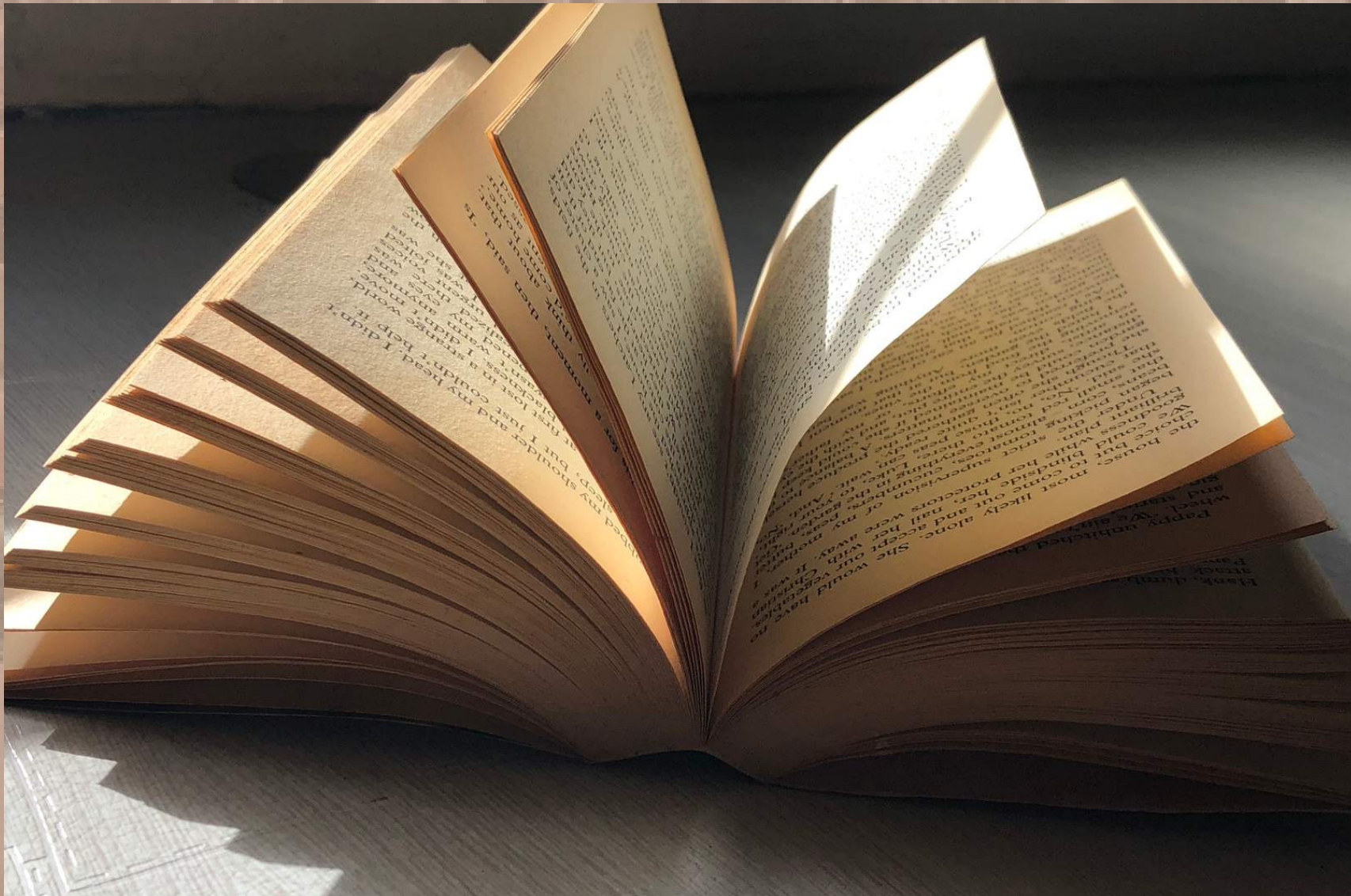


Suchismita Dhar
MBT- 2nd yr

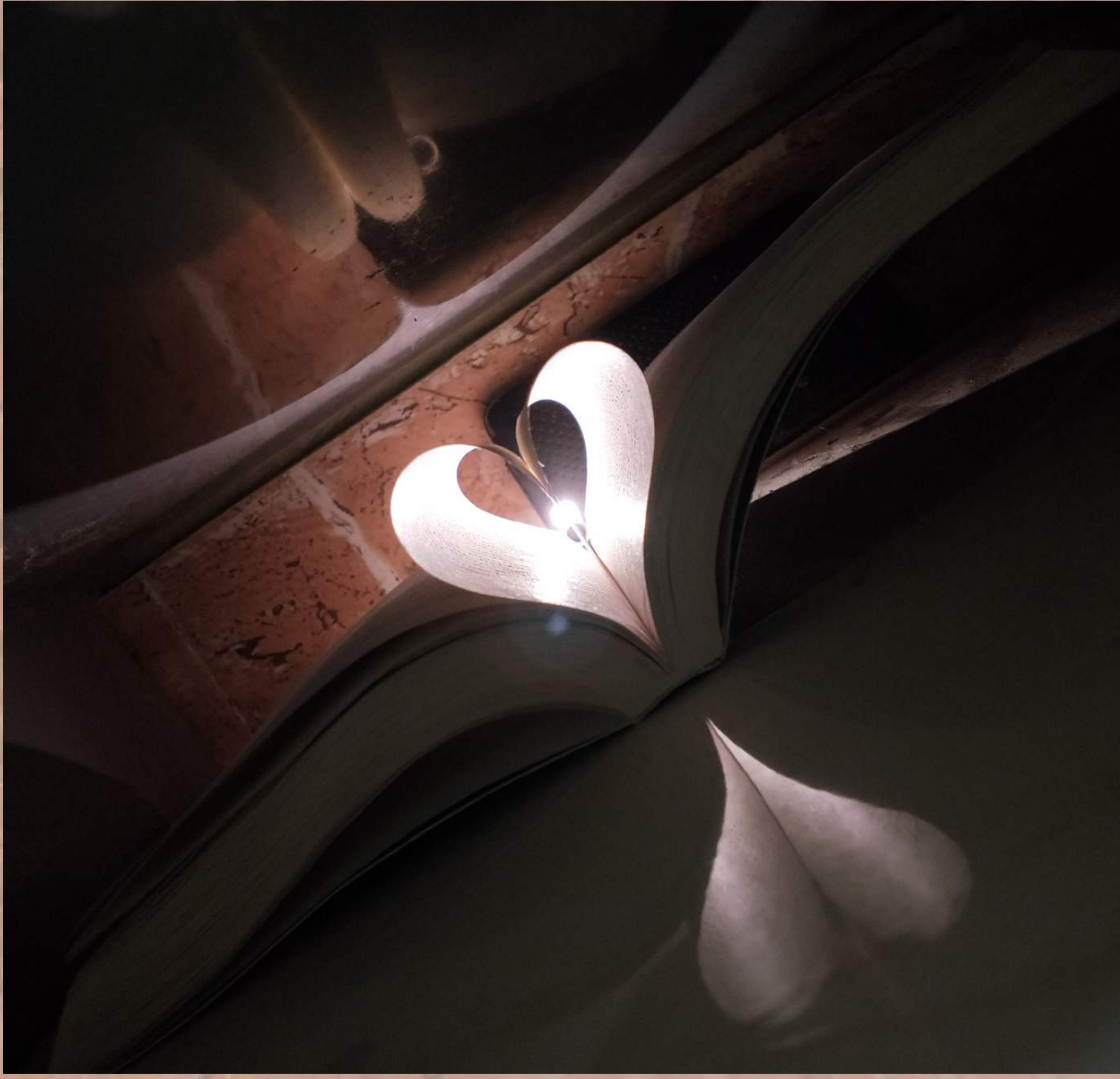


Medha Chakraborty
MSc - 1st yr

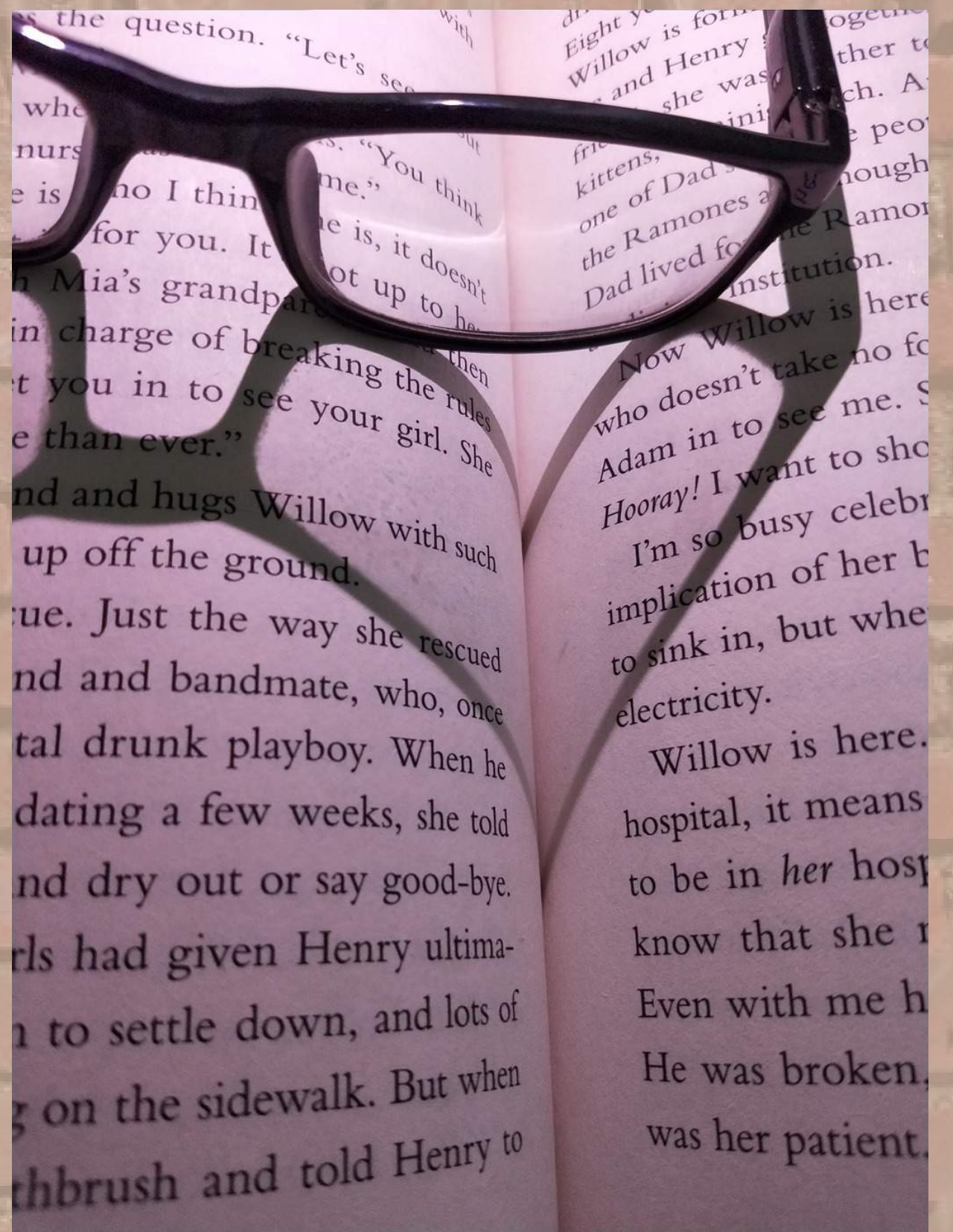
Photography Corner



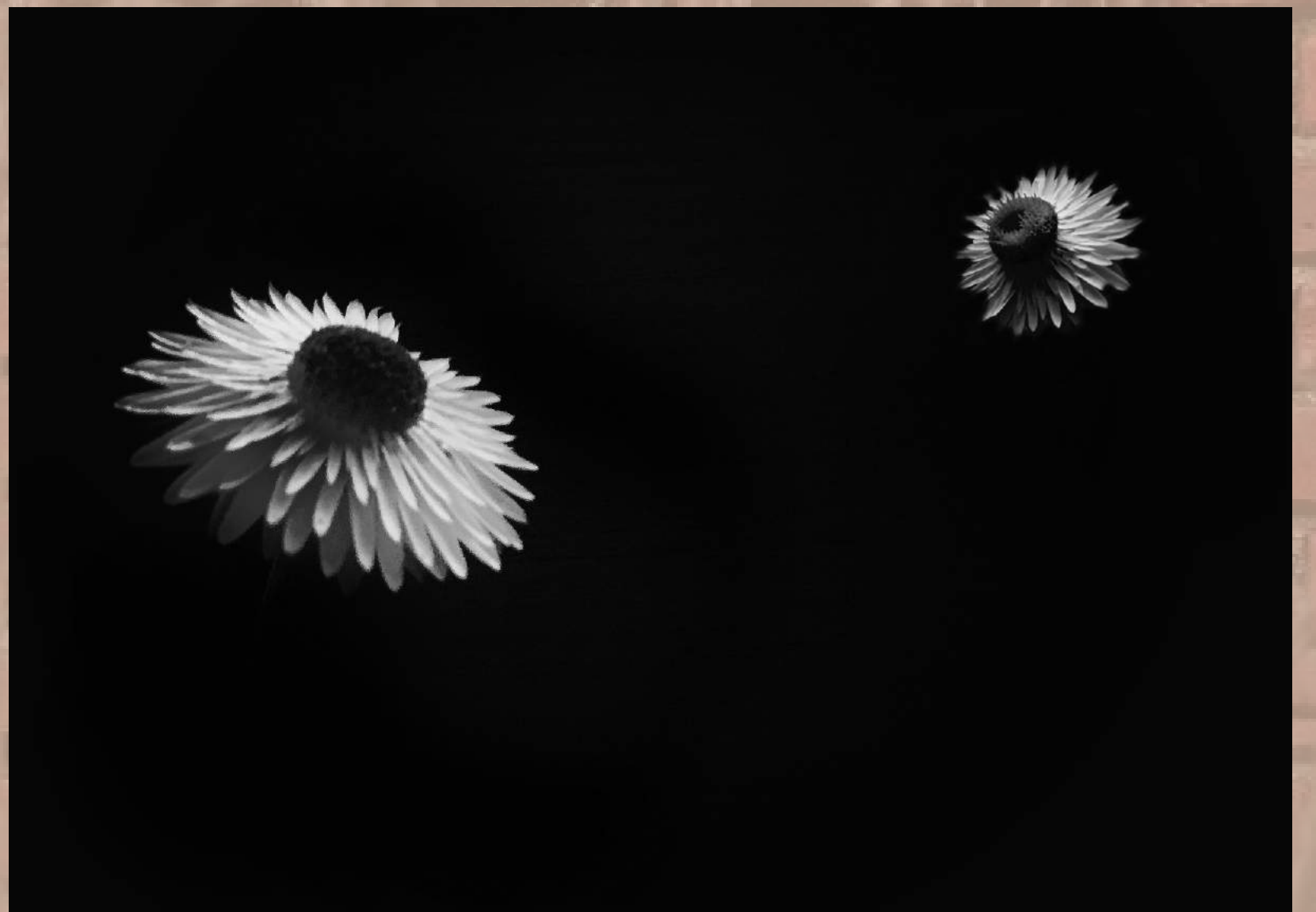
By Dhruv Parikh
BBT 2nd yr



By Mrudula Joshi
MBT 2nd yr



By Shounak Chakraborty
BBT 2nd yr



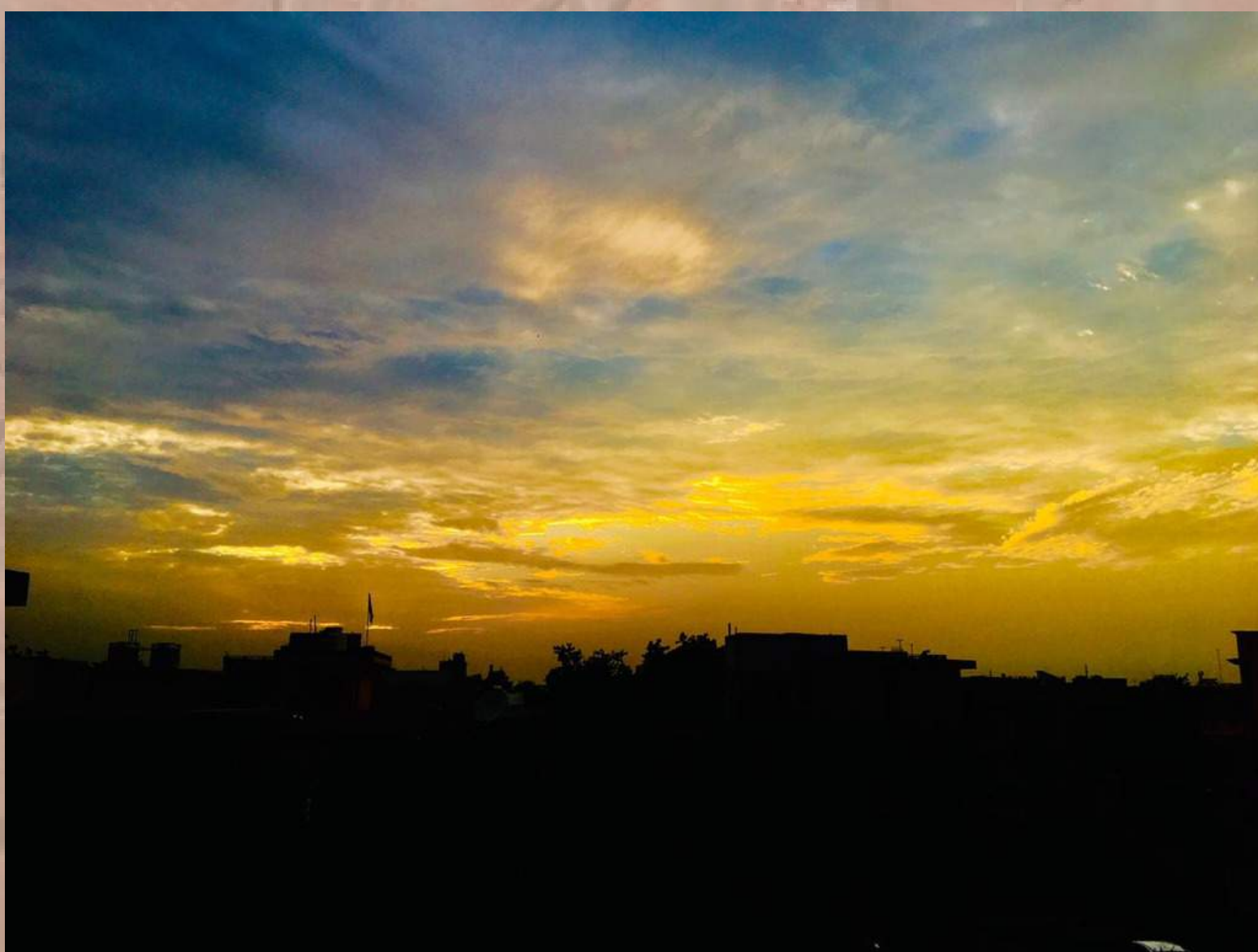


©theindiesoul

By Utkarsh Bari
MBT 2nd yr



©theindiesoul



By Bimaljeet Kaur
MIT 3rd yr

My Lockdown Diary



By Arya Jawade
BBT 1st yr



By Dr. Priyanka Guru



By Shivangi Singh
BBT 1st yr



By Shikhar Chaudhary
MIT 1st yr



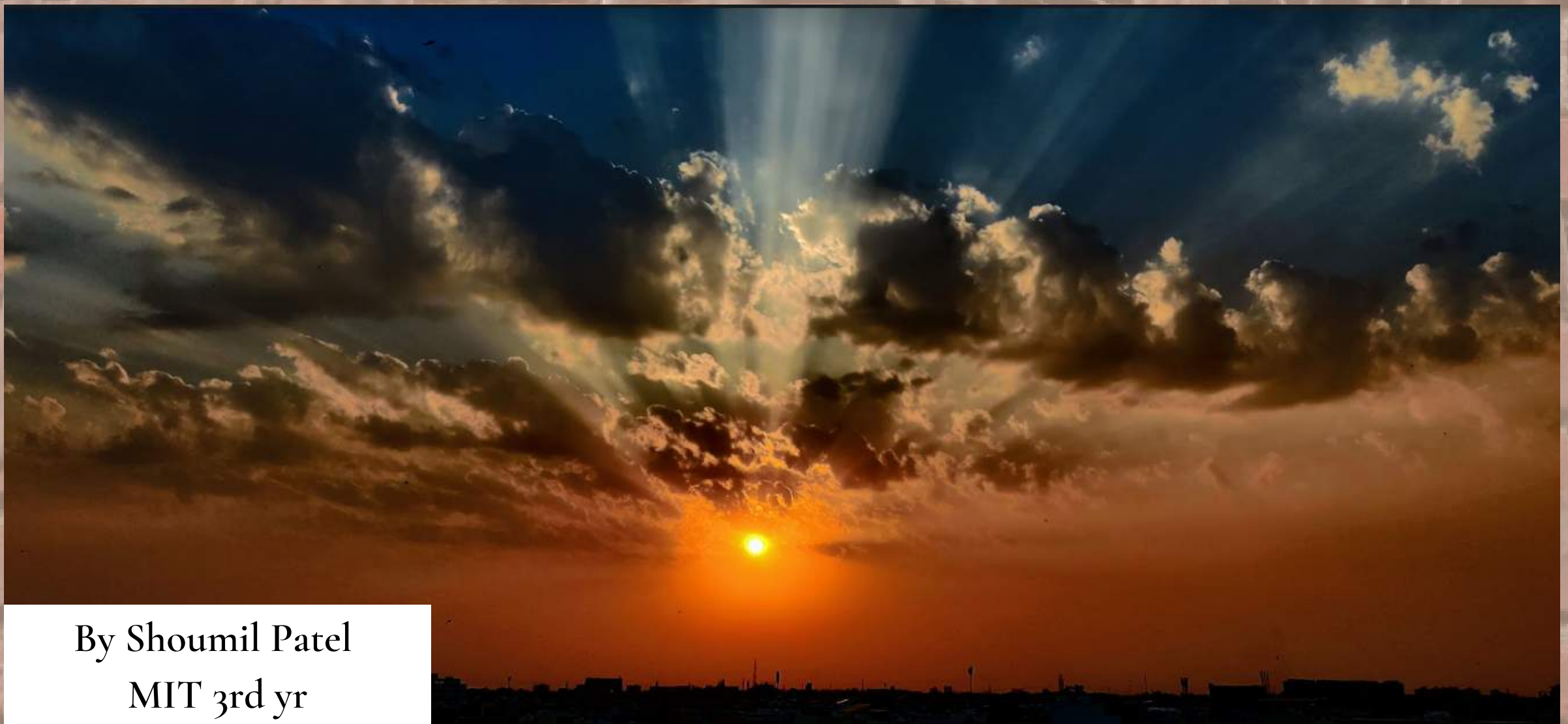
By Prasad Nikam
BBT 1st yr



By Mrs. Ashwini
Puntambekar



By Dr. Rachana Pandey



By Shoumil Patel
MIT 3rd yr



Winners!



5th Purav Jain
BBT 1st yr



4th Hazel Samuel
MIT 1st yr

3rd Meshwa Shamalia
Msc 1st yr



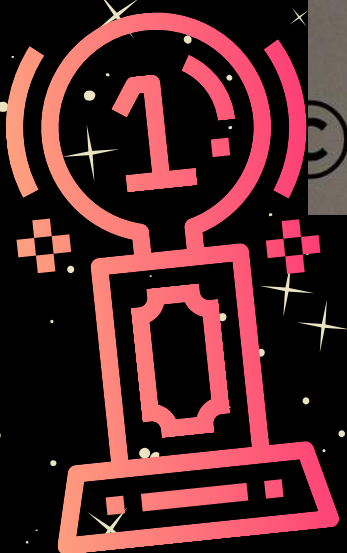


2nd Amirul Metkari
Msc 2nd yr



OMKARDHAYGUDE

1st Omkar Dhaygude
BBT 1st yr



International Yoga Day

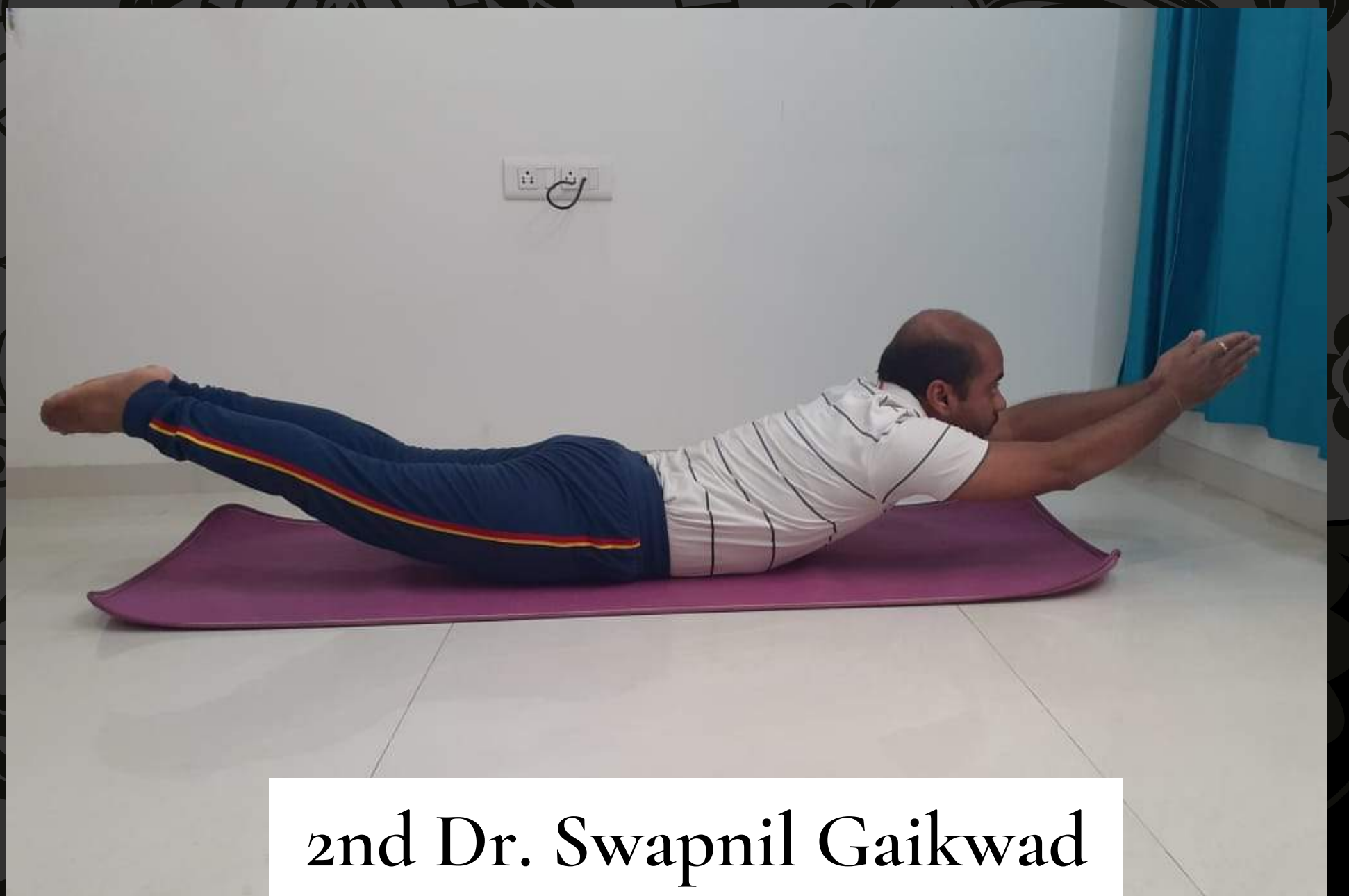
PHOTOGRAPHY COMPETITION

Our Beloved Teachers



"Vrikshasana"
Celebration of
International Yoga day
and Father's day
(A father Daughter
Duet)

1st Dr. Amit Ranjan



2nd Dr. Swapnil Gaikwad

Naukasan-Yoga is the 'Boat' to
sail in the Ocean of Life!

International Yoga Day

PHOTOGRAPHY COMPETITION

Our Talented Students



युज्यते अनेन इति योगः!

1st Manasvi Patil
MBT 1st yr

To practice yoga, it doesn't matter how flexible you are, all you need is a willingness to learn, a desire to try your best and commitment to keep showing up."

2nd Kavya Yadav
MBT 4th yr



Headstand



Bow pose



Bent leg headstand



Wheel pose



Stag leg headstand

PIC•COLLAGE



**Smile
Please!**



Are You ready?



The three musketeers



Papa ki pari!



*Like Father,
Like Daughter*



B Praak with hair



Strength in unity



Hema Malini :p



Scary Much?



101



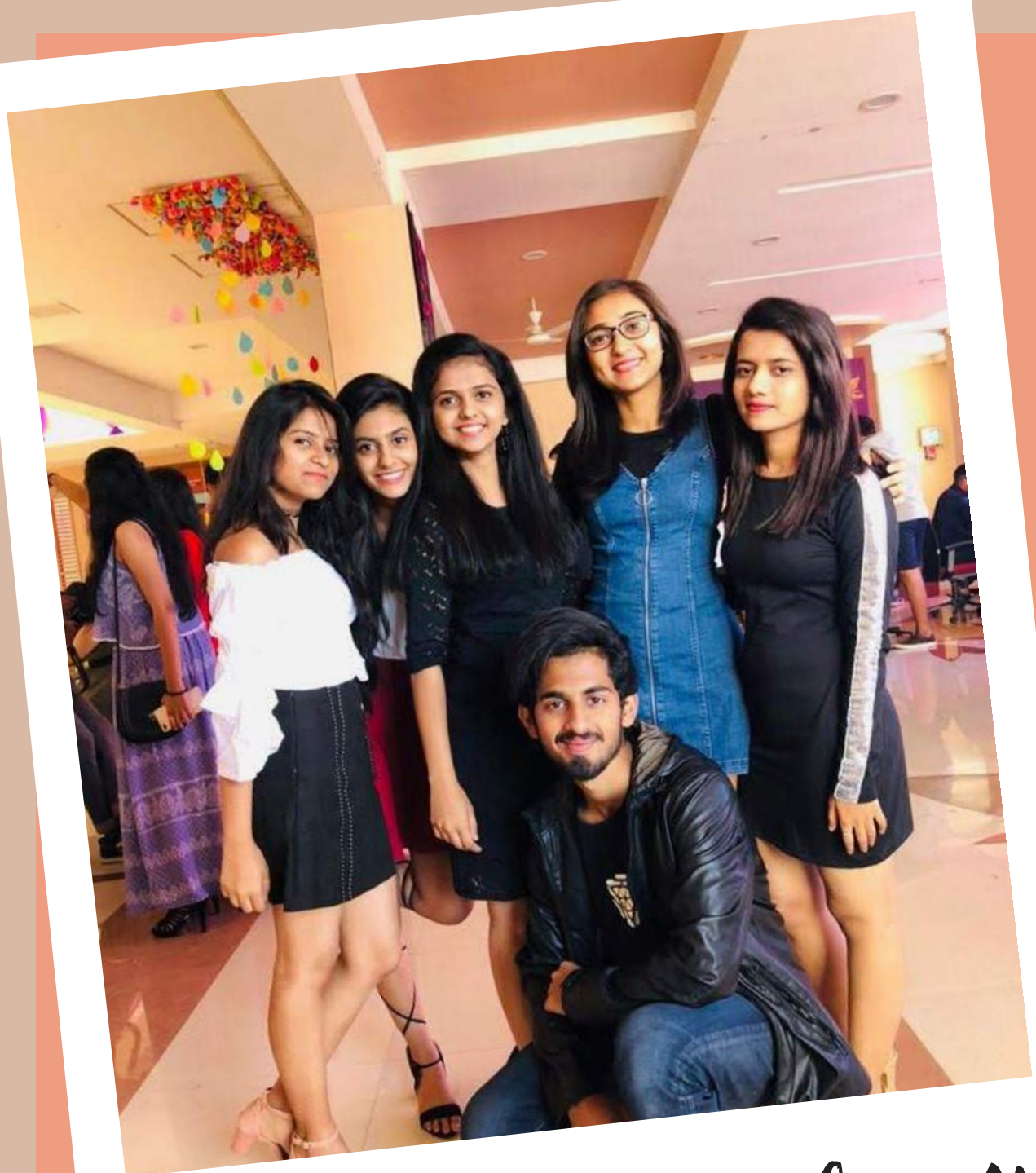
Talented Players



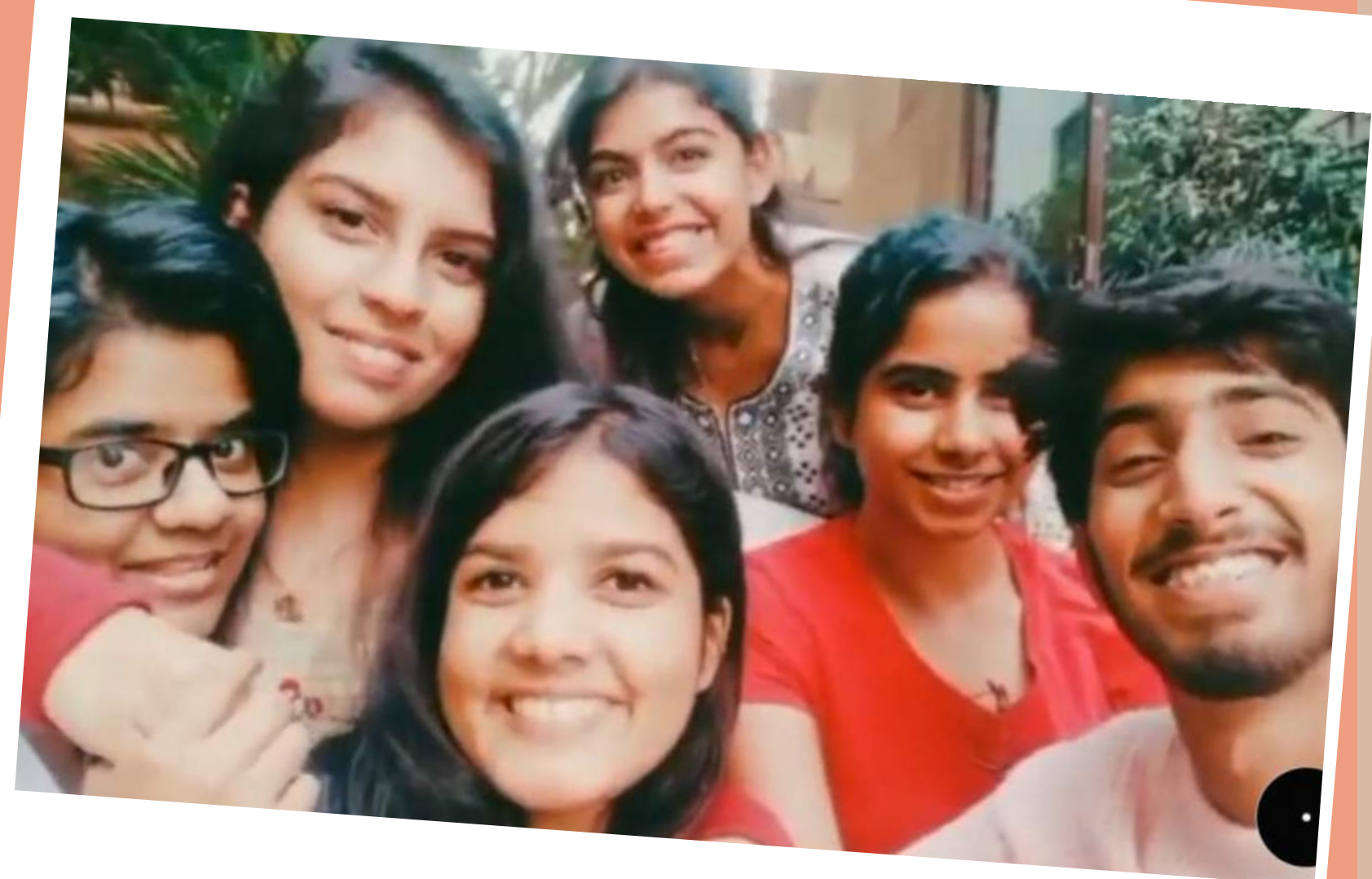
Love



Kathak



Hotness overload!



Family '3



We love kiddzz



Talented Teachers!



Try defeating us!



After a long Trekk



Girl Power! Boom!



Rock & Roll



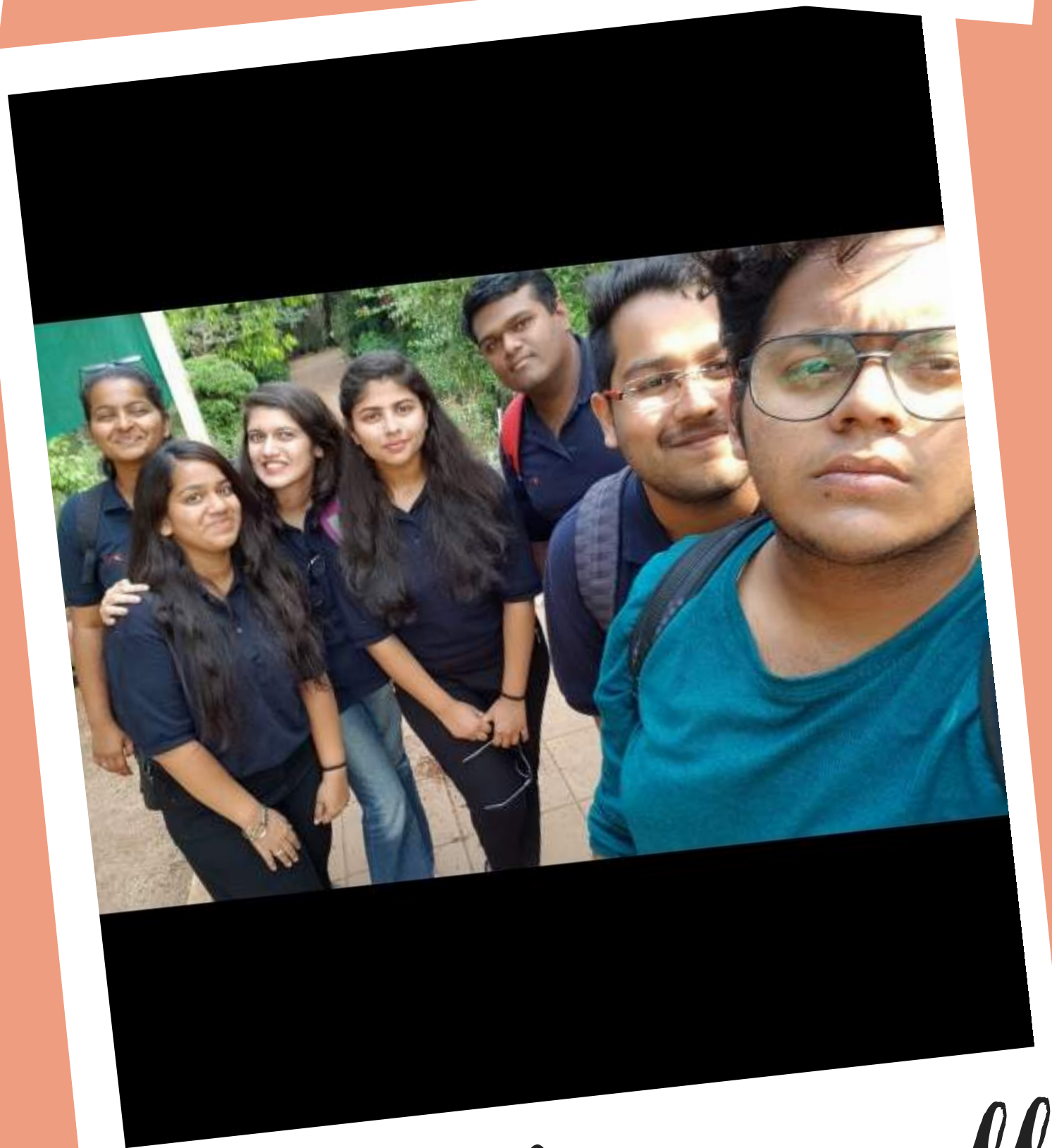
Madhuri dixit of DPU



Prettiest Smiles



Swagg!



That's how we roll



All dressed up!



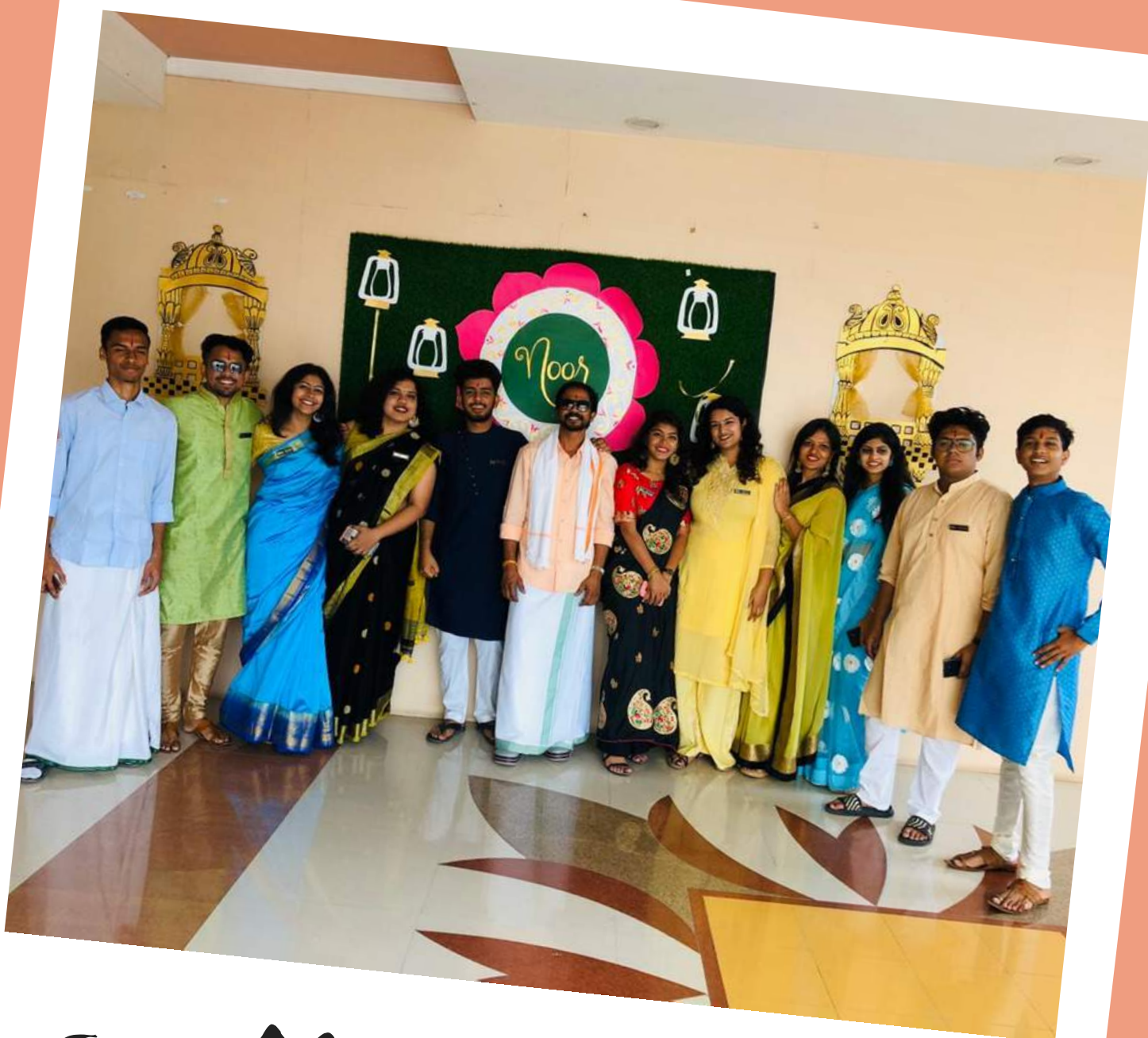
*Hum kisi se kamon
nahi*



The best walk!



Riverayat...



South indian tadka



With the beloved..



Pillars of DPU



FamBam



Sun bathing



Dhol Tasha Paltan



Chhothe miyan & Bade miyan



New gang!



Showing off their 'Noor'



Lungi dance



Always together!



Dum laga ke haisha



Grass is greener on our side



Student Council 2019-20



Chalo village visit pe!



We will miss you more than you know!

Team 'ENIGMA'



Simran Ahuja
MBT 2nd yr



Ritoja Ray
BBT 2nd yr



Manas Sehgal
BBT 2nd yr



Komal Shendge
MBT 2nd yr



Shravani Kedar
BBT 2nd yr



Nandini Sinhal
BBT 1st yr