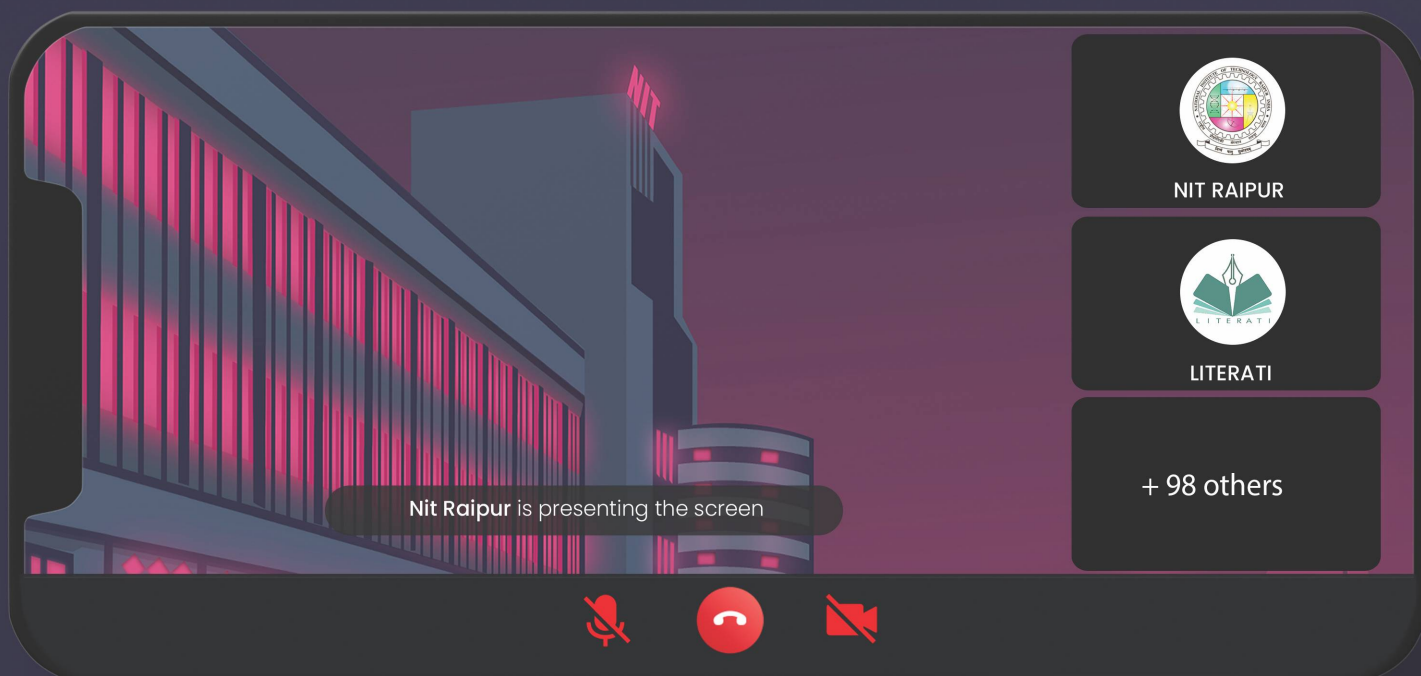




SHILPI '21



AMIA AUDIBLE
MEETING ONLINE
EDUCATION
NETWORK CONNECTIVITY

cover design by



Dedication

“No one puts their children in a boat unless the water is safer than the land.”

— Warsan Shire

These lines have to be read in the backdrop of what is happening in Ukraine, Russia, Syria, Afghanistan, Yemen, Ethiopia and many more. The emotions these lines evoke are so poignant that they can bring the hardest person to tears.

Whenever a crisis breaks out, the inhabitants of the place have to make a critical decision. Those that choose to survive have to abandon their native lands in the search of a new home. And we at Literati, respect the sacrifices they choose to make. It is not even easy leaving our home for studies, even though a brighter future is certain if we do that. To think of the plight of these refugees; looking at their bleak future, not knowing whether their days of staring down the barrel are over.

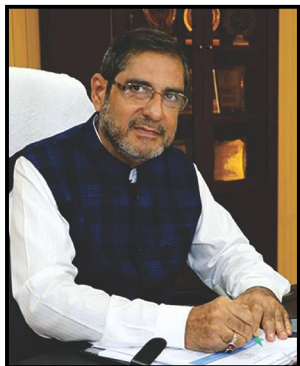
The refugees do not just escape a place; they have to leave behind a trail of memories- a building they have called home for almost their entire lives, the people they have called family, friends and neighbors. A slight glimmer of hope is all they have to hold on to. Some do find the land of their dreams, yet there are others who are not so lucky. We at Literati feel the greatest compassion towards the refugees of the world- our fellow brothers of the human race, who have to leave their home and homeland, in such dire circumstances.

We thus dedicate this year's Shilpi to all the refugees out there. We pray that the candle of hope that they have so bravely lighted in their hearts, never extinguishes.

Team Literati



MESSAGE FROM THE DIRECTOR



I trust that you are taking care of yourself and your family well!

It gives me immense pleasure and pride to present the 2021 edition of 'SHILPI' the annual magazine brought out by 'Literati', the Literary Committee of National Institute of Technology Raipur.

I am delighted to apprise the readers that the NIRF Ranking of NIT Raipur has been improving for four consecutive years, and the institute stood at 64th NIRF rank in the Engineering Institutions category in 2021. Our students, alumni, faculty and staff continue to bring laurels across various fields. The institute persistently strives for all-round development of the stakeholders through its endless efforts, and 'SHILPI' is one such endeavour to provide an opportunity to members of the NIT Raipur fraternity to showcase their wide spectrum of literary and artistic talents.

The year 2021 was another unprecedented year due to the prevailing COVID-19 pandemic and afflicted us in some way or the other. Despite the testing times, the institute administration remained committed to keep the momentum going on all fronts, while adhering to the safety precautions for well-being of the community as our top priority. I appreciate the efforts of our students, faculty and staff who continued to demonstrate their determination even during the testing times. The sustained publication of 'SHILPI' is yet another vibrant example of NIT Raipur's determination.

I extend my heartiest congratulations to the Literati Committee and to all those who have invested their valuable time to elevate this magazine to new heights. I wish the readers a delightful reading.

Stay Safe and Healthy!

Prof. A. M. Rawani
Director
NIT Raipur



FROM EDITOR'S DESK

India is celebrating Azadi ka Amrit Mahotsav- 75 years of Independence. We at Literati, salute all the freedom fighters, who laid down their lives without a slightest hesitation to ensure that India becomes a free country.

Literati is happy to present Shilpi 2021, despite all the hurdles imposed by the pandemic and the disruption of global supply chains. Amidst the rising number of lives lost, due to pandemic, India also had to face a series of natural calamities. After treading for so long in this darkness, we are heading towards the light at the end of the tunnel. The infection rate has come down, economy is showing signs of bouncing back, markets are recovering, educational institutions are reopening. We have also completed 100 crore doses of vaccinations within 9 months since the drive began.

Hard fight though it was, we were resilient throughout.

India had the best run in Olympics and we returned with an Olympic gold and our paralympics team returned with the best medal haul ever.

We are presenting to the readers Shilpi 2021 which is packed with delicious trivia and magnificent creativity of our students. May you find Shilpi 2021 insightful and helpful. We, as Indians have proven to the world that we are brave and resolute enough to face every hardship and to emerge triumphant. Let us all keep doing the best to be the best. A new day is rising. Keep smiling and keep being healthy!

Editors from Shilpi

Message from the faculty...

“Where the mind is without fear and the head is held high
Where knowledge is free...”

Gurudev Rabindra Nath Tagore believed in complete freedom to students, the freedom of intellect, heart-knowledge, action and decision.

In order to achieve this freedom, the student has to practise harmony and balance. Our prime endeavour with Shilpi is to bring out the creative side of the students by providing them a robust platform for showcasing their skills. According to Gurudev, the fundamental purpose of education is not merely to enrich ourselves but also to establish the bond of friendship and love amongst everyone.

In the last few years, our students at NIT Raipur, have shown a zeal of perseverance and have achieved a stellar performance in all fields. Shilpi is the testimony to their achievements and an ensemble of their creativity. We present to you the Shilpi 2021, and hope that in these pages you find the testament to the hope, affirmations and exuberant determination to making the world a better place. We extend our heartiest congratulations to the editors and the team members of Literati for their massive efforts in bringing this issue of Shilpi to life. We would also express our sincerest gratitude towards the Director Sir, Dean Student Welfare for their unwavering support towards Literati.

Literati, Literary Club of NIT - Raipur

FACULTY SUPPORT



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Chairperson



Dr. Ebha Koley
Member



Dr. Anoop Tiwari
Member



Dr. Saikat Majumder
Member



Dr. Yeddu Vijaya Babu
Member

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THE 12th CONVOCATION



The 12th convocation of the National Institute of Technology (NIT), Raipur, was held in a virtual mode on 1st December, 2021. The occasion commenced with the beautiful melody of our national song Vande Matram. The event was graced by honorable DR. K. SIVAN Chairman, Space Commission, Chairman, ISRO and Secretary, Department of Space as the chief guest of the ceremony.



Also in attendance were other dignitaries from the academic world, industries, and the government apart from Chairman, Board of Governors NIT Raipur and Director, NIT Raipur Prof. A. M. Rawani. Dr. K. Sivan served as the Secretary, Department of Space, Chairman, Space Commission and Chairman, Indian Space Research Organisation (ISRO) from January 2018 to January 2022. Dr. K. Sivan joined ISRO in 1982 and was inducted into



PSLV Project. He is specialized in Aerospace engineering, has more than 30 years of experience in Space Transportation Systems Engineering, Launch vehicle and mission design, control & guidance design and mission simulation software design. Under his leadership, the national space program has witnessed a new era in the Indian space journey through space sector reform which leads to advancement in the national space economy. He has received many awards including Doctor of Science (Honoris Causa) from selected universities, is a fellow of the Indian national academy of engineering aeronautical society of India, system society of India, the institution of electronics and telecommunication engineering, and Indian society of remote sensing.

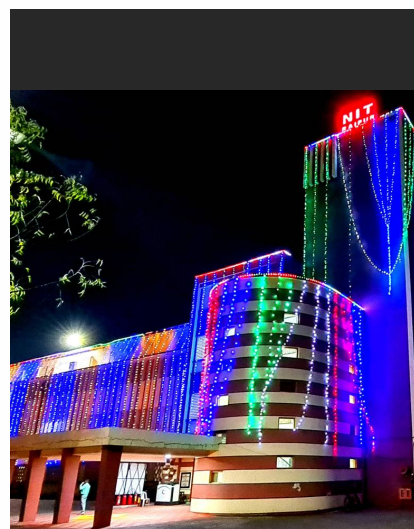




The function was presided over by Dr. A. M. Rawani, Director and Acting Chairman of Board of Governor (BOG), NIT Raipur, who presented the Presidential address and the Institute's report highlighting the key achievements of the Institute. The Chief Guest Dr. K Sivan addressed the gathering and congratulated the graduating students. He also addressed that despite the difficulties in the pandemic class of 2021 came out with flying colors. He wished them all the luck for their life ahead. The program was followed by the award of degrees by the Chairman of the Senate.

A total of 1129 students including 832 Graduates, 222 Postgraduates, and 75 PhDs (in 14 disciplines) were presented by Dr. S. Verma, Dean Academics for

receiving their degrees. A scintillating medals and awards ceremony was also part of the Convocation, several other medals and endowment awards were also distributed. A sum of 50 medals was presented to the meritorious students by the Chief Guest and the Chairperson of the Board of Governor. The coveted Institute Gold Medal for obtaining the highest CGPA amongst all the graduating students in the year 2020-21 was awarded to Ms. Harishita Sharma, the Department of Computer Science and Engineering. The graduates were awarded their certificates and were charged by the Senate and the Director. The convocation was concluded with the oath-taking ceremony by the chairman senate NIT Raipur. The ceremony ended with the National Anthem.



Foundation Day Celebration

at NIT Raipur

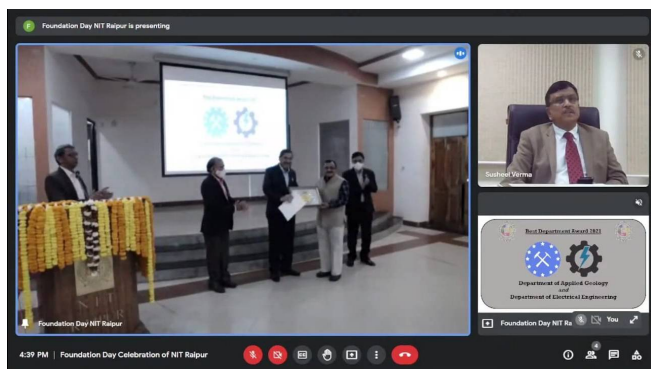
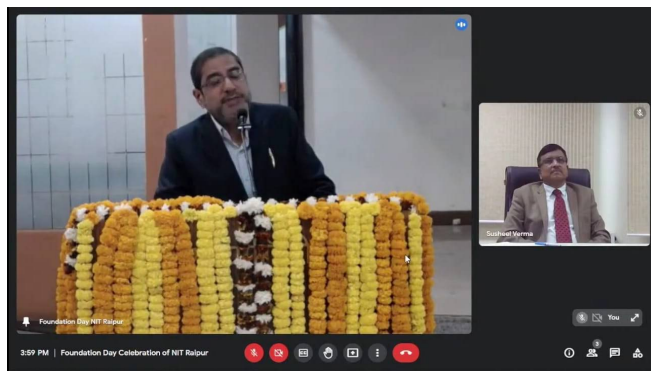
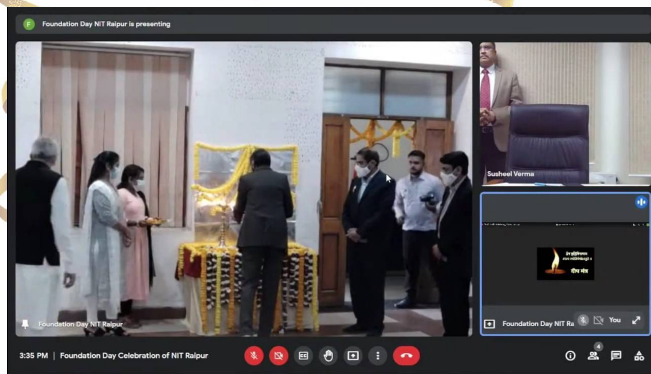
-Public and Media Relations Cell

National Institute of Technology (NIT), Raipur celebrated its Foundation Day on 1st December, 2021 in hybrid mode. Shri. Susheel Verma, Outstanding Scientist & Director, Recruitment and Assessment Centre (RAC), Defense Research & Development Organization (DRDO), Ministry of Defense, Govt. of India was the chief guest with Dr. A. M. Rawani, the Director of NIT Raipur presiding over the function.

The celebration began with the welcoming of guests and dignitaries and the lighting of the lamp. Dr. P. Y. Dhekne, Dean (Student Welfare), NIT Raipur offered a warm welcome with his speech. A documentary showcasing the constant betterment of the institute, its impeccable placement and PPO records and the various achievements of the students, faculties and alumni was also presented. Dr. A. M. Rawani, then, addressed the event and spoke about the importance of integrating technology in the education sector. He also congratulated the faculties and the students for their efforts in bringing NIT Raipur to the 64th position in the NIRF Engineering category. Shri. Susheel Verma, who joined the event online from Delhi, too gave a speech and appreciated the initiatives taken by the

institute in order to give the students a platform to make their voices heard. He also applauded the faculties for teaching and interacting with the students even during this dire and stressful time.

This was followed by the Awards Ceremony. The Best Department Award was a tie between the Department of Applied Geology and the Department of Electrical Engineering. Dr. Subhojit Ghosh, Associate Professor, Electrical Engineering secured the Best Faculty Award. The Best Researcher Award was bagged by Dr. Awanish Kumar, Assistant Professor, BioTechnology. The Distinguished Alumnus Award was awarded to Dr. Rohit Kumar Gupta, Scientist- SG, Vikram Sarabhai Space Centre, ISRO (B.E. – Metallurgical Engineering, 1998 Batch). Late Prof. Dinesh Kumar Tripathi Memorial Award, Indian Institution of Industrial Engineering Award (Bhilai Chapter), Late Mrs. Sunetra Tamaskar Memorial Award and Late Mr. G. C. Sugandhi and Mrs. Lakshami Devi Sugandhi Memorial Award were also granted by the institute. Next in the schedule were the cultural performances put up by Raaga, the Music Club of NIT Raipur and Nrityam, the Dance Club of NIT





TOPPER'S TALK



Akansha Agrawal

Electrical 2022

CAT 2021

Score: 99.2 percentile

CAT

Common Admission Test

- **When did you choose the CAT as your career goal? Would you like to share your inspiration for the decision?**

The realization that I want to pursue MBA dawned upon me pretty late. I was initially preparing for the GATE exam and intended to land a job at a PSU then maybe go for M. Tech. A case study challenge called ZS campus beats was held in March 2021. I had high hopes for it but unfortunately, my team couldn't get through the first round. The sadness that followed made me realize how much interested I was in the business side of things. So, I took my time. Weighed both the career options and came to the conclusion that both the fields would be good for me but I will be more passionate about MBA. So, a month later, i.e. in May 2021, I started preparing for CAT.

- **How many hours per week did you put into your preparation?**

About 2 hrs.

- **Could you enlighten the future aspirants about the mistakes they should avoid while preparing?**

1. Do not fall for the gazillions of advice that people would share with you. "You should read at least 4 books per month to do well in the VARC section" "Solve a minimum of 50 questions every day to do well in quant and a minimum of 10 questions every day to do well in DILR" No, the same rule is not applicable for everyone, find out what suits you and which section/topic needs work. Plan and work accordingly.

2. Don't be scared of the mocks but at the same time take them very seriously. If you're scared of the mocks, taking them regularly will help you get comfortable with the exam itself which will help you maintain calm during the actual exam. And even if you're confident about the concepts and your knowledge, it is quite possible that you might not be good at taking tests. Time management, working under pressure, prioritizing, all these come with practice.

3. Do not procrastinate on mock analysis. No matter how much you dread it, analyze the test right after taking it (or after a little break). This way your approach while solving the questions is still fresh in your mind and you're able to make the most out of that test.

4. Do not give up till the end. Sometimes, getting a good result, even in the mocks, takes time. But all that hard work and patience eventually pays off.

- **While preparing for one of the most competitive exams, how did you manage to keep your cool?**

This was, I would say, the toughest part of my CAT preparation. But I had very good support from my friends, family and my teacher. I had my moments of break down but then overthinking wasn't going to take me anywhere anyway. So, working my way through it was the only option.

- **Advice/suggestions for future aspirants.**

Believe in yourself and see yourself do wonder



Shashwat Awasthi

CSE 2022

CAT 2021

Score: 99.81 percentile

CAT

Common Admission Test

- **Mention the rank if possible and college that you've taken admission into/about to take admission into.**

I hope to get into one of the country's top business schools. For that, I will go through an interview process, and then the college will be allotted.

- **Why did you especially go for CAT over GATE, GRE, or any civil service examination?**

I have wanted to pursue a career in management ever since I joined college. I feel management is the field where my goals in life align and where I would be able to utilize my skillset in the best way possible. CAT is the gateway to top Management Institutions in the country, and that is why I chose to go for CAT.

- **What would be the best strategy as per you to score well?**

CAT is an aptitude test comprising of three sections. One should try completing basic Mathematics first, solve some puzzles and also develop a reading habit to get good reading speed. The best strategy to prepare would be to complete the basics of all three sections first, try to get hold of the concepts, and then jump into question-solving. As soon as one gets confident with questions, they should go for solving the mock tests and get accustomed to the paper pattern. Solving mock tests will help solve a diverse range of questions and also help you realize your weak and strong areas. Analyzing the mock is equally vital as solving one, as it enables you to recognize the areas you are strong in and areas you need to work upon.

- **What would be the ideal time to start preparation, and what would be the best way to prepare? Is it via coaching or self-study?**

The ideal time to start the preparation would be Starting of the year(January-February), in which you are going to give your MBA examinations. Build your basic concepts in the first 2 to 3 months, and then start solving mock tests. I started studying in Mid January and started solving mocks in April. I personally enrolled in coaching as I feel the coaching helps provide you with material and the proper guidance for the study. Also, it helped me realize what score I should target in order to get the best college. Self-study is a vital aspect, too, as only then would one realize their areas of strengths and weakness in the paper and then work upon them.

- **Is CAT not a suitable option for students from regional language medium schools?**

I can't entirely agree with this line, as CAT is an aptitude test, and with an adequate amount of practice, one can achieve good results. Students from regional language schools definitely have good aptitude skills, and the language barrier can be overcome by just a little practice and developing a reading habit.

- **Are the scholarships/stipends awarded for studying sufficient, considering the high tuition fees?**

Agree

- **What factors to be considered while selecting the institution, and what would be a good CAT score?**

The factors for selecting an institution would be the courses/specializations offered by the institute, the length of the MBA program, and then connecting with the industry and exposure gained from doing an MBA from the institution. A good CAT score would depend on a student's profile and the Institutions they are targeting. I would say scoring a 99.5+ percentile would be a safe score for any candidate appearing in the examination to get a top-notch B-School.

- **Considering the current Covid - 19 scenario, would there be a decline in the number of seats in management institutes?**

No, there would not. Instead, some Institutes have even increased seats in the present scenario.

- **Advice/suggestions for future aspirants.**

I would say that solve as many mocks as possible before the examination. Mocks helped me get accustomed to the pattern and made me analyze my strong and weak areas in the examination. Also, try reading as much as you can, as it will help in acing the VARC section and also help in the later stage of the examination. Try maintaining consistency in the study, and also take adequate breaks in between to help refresh your mind; this will help a lot.



Amber Agarwal

Mechanical 2022

CAT 2021

Score: 99.60 percentile

CAT

Common Admission Test

- **Mention the rank if possible and college that you've taken admission into/about to take admission into.**
99.60percentile in CAT aiming for top IIMs Ahmedabad, Bangalore, and Calcutta.
- **How many hours per week did you put into your preparation?**
20hrs per week, Continuity is more important than the raw number of hours.
- **Could you enlighten the future aspirants about the mistakes they should avoid while preparing?**
Work on all sections, keep your prep continuous (no breaks), go for overall development (current affairs, speaking ability, business case studies, writing skills, debates, etc)
- **What factors to be considered while selecting the institution and what would be a good CAT score?**
For (GEM) candidates anything below 99 is bad so if you are preparing to be ready to all in, don't prepare with the half mind. Top 6 IIMs and many private colleges are great. Go for the brand and authentic learning opportunities rather than packages.
- **While preparing for one of the most competitive exams, how did you manage to keep your cool?**
It's quite easy, for people who have prepped for JEE it's a piece of cake. Just study every day even if for 1-2 hrs but daily. The course is simple and can be easily covered in 6 months. Fall in love with the idea of making yourself better, a better business mind and you will notice your CAT prep is also getting done
- **Advice/suggestions for future aspirants.**
 - ❖ Start latest by Jan.
 - ❖ Join coaching, preferably a physical one.
 - ❖ Either don't prep or go all-in (your goal needs to be 99.5 percentile for GEM candidates.
 - ❖ Keep your prep continuous, no slacking.
 - ❖ Focus on the overall development.
 - ❖ Start giving mocks from June. Try to give at least 50mocks.
 - ❖ Stop using a calculator for life.
 - ❖ Read newspapers and be acquainted with business news.
 - ❖ Start building your profile right away(internships, courses, extra and co-curricular activities) Take a chill and go ahead all the best.



Ayush Tiwari

Mechanical 2021

CAT 2020

Score: 99.99 percentile

CAT

Common Admission Test

- **Mention the rank if possible and college that you've taken admission into/about to take admission into.**
Rank is not defined in CAT, However, 99.99%ile equates to under 28 AIR. Current College - IIM Ahmedabad
- **When did you choose the CAT as your career goal? Would you like to share your inspiration for the decision?**
Throughout my engineering, I was a part of various projects. From the first semester I was working with teams, it didn't take me long to realize that I had a liking for leadership positions. I was very comfortable working with teams and I wanted to supplement my engineering expertise. This liking persuaded me to pursue a career in management.
- **How many hours per week did you put into your preparation?**
At the peak of my preparation, I was putting in roughly 30-35 hours a week.
- **What factors to be considered while selecting the institution and what would be a good CAT score?**
The factors that I took into account during selecting the college were -
 - ❖ Learning Opportunity
 - ❖ International Exposure
 - ❖ Research Opportunities
 - ❖ Peer Group
 - ❖ Placements
- **While preparing for one of the most competitive exams, how did you manage to keep your cool?**
It is important for any student to realize that you are but a human. No one can have an all-comfortable journey. Everyone goes through ups and downs and it's a part of the process. When you are down you just have to keep your chin up, keep doing the hard work and it will all be well.
- **Advice/suggestions for future aspirants.**
Do reach out for help to anyone whenever you need it. Always aim big, Stay positive, and work hard for anything that you wish to achieve



Harsh Kumar Agrawal

Electrical 2019

CAT 2021

CAT Score: 99.77%

XAT 99.45%, IIFT 99.57%

CAT

Common Admission Test

- **Mention the rank if possible and college that you've taken admission into/about to take admission into.**
Interviews are going on. Target is IIML IIMI FMS SJMSOM
- **When did you choose the CAT as your career goal? Would you like to share your inspiration for the decision?**
As I introspect myself to where I see myself in the next 10–15 years down the line, I look up to the senior management of my organization. The knowledge with which they carried out their work, the understanding they had of the businesses, and the positivity they showed fascinate me. In the future, as I plan to move to the next step of my career, I aspire to take up more challenging roles in the future. An MBA from an esteemed college will position me in an environment where I will learn the language to communicate with other disciplines within a business effectively and will also provide me a platform to achieve those skillsets through case study pedagogy, case competitions, peer learning, and an extensive and rigorous curriculum. This will help me gain the required perspective and hone my analytical and decision-making capabilities, which has been the driving force that has pushed me to work hard for the same in parallel with my nine-to-five job.
- **How many hours per week did you put into your preparation?**
It is all about being consistent and cumulative study. 4 to 5 hours a day on weekdays and 12 hours on weekends are a must.
- **Could you enlighten the future aspirants about the mistakes they should avoid during preparation?**
 1. Do cumulative study. Try to revise what you have done before the next class when you are doing any particular topic (e.g., time and distance). If you are in the fifth class, revise all the four classes that occur earlier. In this way, it will be ingrained in your mind. In the future, you might not need to revise it again.
 2. CAT is not that tough. It's just we don't give sufficient hours and practice. Practice is the key. Take previous years' papers of premium institutes like IMS, TIMES, CL, and practice as a sectional every day going forward from May.
 3. Focus on your weak sections. As for me, it was VARC. So focus more on it. Even if you score 99% and can't clear one area, then it's all a waste.
 4. Do a proper analysis of mocks. Quality >> quantity always. You must analyze at least 5-6 hours for a two-hour mock.
- **What factors to be considered while selecting the institution, and what would be a good CAT score?**
CAT score depends on your aim and academic record, as Shortlist will be based on your career overall. The safest score for GEM and good academics will be 115 plus.
- **While preparing for one of the most competitive exams, how did you manage to keep your cool?**
It's the reason why you are pursuing that particular goal that keeps on motivating me. There were more downs than ups, but you should remember why you started it in the first place.
- **Advice/suggestions for future aspirants.**
 1. Don't dishearten during your preparation. Sometimes I also scored negative in VARC. But then you should remember if you are down, there is only one path left, and that is up.
 2. Start giving mocks from June. Don't wait for course completion, as that is never bound to happen.
 3. Never try to do everything every day. Try scheduling your study because Studying parallel with your Nine to five jobs is hard.
 4. Practice as much as you can. As the saying goes, practice makes one perfect. You are your competition. Don't look at others that they are scoring so much. Focus on yourself. one step at a time, one punch at a time.
 5. Give sectionals every day from May onwards. The more, the better.



B VINITH

Meta 2019

GATE 2021

Score: 87.67/100



Brief your experience and efforts of cracking the Gate exam

I have lots of experience with gate due to multiple attempts. In my first attempt I studied very hard but lacked accuracy and speed in solving the problems. But I learned from my failures and improved my numerical solving ability and reduced the time for solving the problems. Gate exam needs a lot of effort because we have only 3 hours to prove our ability of concepts of b.tech. so, it needs huge dedication similar to other competitive exams like cat, jee mains.

What are the basic approaches and the books for each subject in GATE that you followed?

The basic approach is to first complete the syllabus given in the gate website. Completion doesn't mean to study everything and forget. It means to clear each and every concept very nicely so that you will be confident in that subject during the time of examination.

Books- It includes all standard reference books which were referred during the b.tech.

How do you think the weightage is distributed in GATE? If you are weak in one subject, how can one overcome this?

The weightage is like the gate contains around 60-70% numerical answer type questions and the rest all are either MCQs or MSQs. In my opinion 60% of the paper is easy and the rest 40% decides your rank. If we are weak in any subject then we have to give more time to study for that subject like you can watch Nptel lectures, discuss doubts from your lecturers and friends and practice as many problems as you can.

How important is solving question papers and attending mock tests, in preparation for GATE?

It is very important as it provides you a deep understanding of your mistakes and some useful concepts. As we know that gate covers the entire syllabus of b.tech which is impossible to study in 6 months. so, mock tests will help you to understand the pattern of questions asked from those topics.

When we compare JEE, state entrance and college exams, how would you rate the difficulty level of GATE compared to all these exams?

The difficulty level of gate exam is similar to jee mains examination but it is tougher than college and state examinations and easier than jee advanced.

Why did you choose to appear for the GATE exam over other exams and other options after B-Tech?

I am interested in research in the core field. So, to join any r&d the only option is to crack the gate exam. That's why I have chosen the gate.

Can you help the young aspirants with some valuable tips for cracking the GATE exam.**Do's**

1. keep yourself cool and concentrated during the exam.
2. Always be happy and do not think about the results as it entirely depends on luck.
3. Keep continuity during preparation and do not skip important topics.
4. try to solve all the unsolved problems by yourself and do not ask for the solutions unless and until you are fully frustrated.

Don'ts

1. Do not expect any marks before and during giving gate exam as it increases the pressure on you.
2. Don't miss to do analysis of test series after exam as it helps you to understand the mistakes done by you.
 - What factors to be considered while selecting the institution, and what would be a good CAT score?
CAT score depends on your aim and academic record, as Shortlist will be based on your career overall. The safest score for GEM and good academics will be 115 plus.
 - While preparing for one of the most competitive exams, how did you manage to keep your cool?
It's the reason why you are pursuing that particular goal that keeps on motivating me. There were more downs than ups, but you should remember why you started it in the first place.
 - Advice/suggestions for future aspirants.
 1. Don't dishearten during your preparation. Sometimes I also scored negative in VARC. But then you should remember if you are down, there is only one path left, and that is up.
 2. Start giving mocks from June. Don't wait for course completion, as that is never bound to happen.
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 5. Give sectionals every day from May onwards. The more, the better.



Priom Agrawal

Mechanical 2022

Graduate Record Examinations (GRE)

GRE Score: 320(168 in Quant, 152 Verbal)



- **Mention the rank if possible and college that you've taken admission into/your dream college.**
No Admits yet
- **When did you choose the GRE as your career goal? Would you like to share your inspiration for the decision?**
I began studying for GRE Exam at the start of 2021. I am interested in the field of research and development, and universities in the USA provide excellent infrastructure and support for research; hence I chose to pursue GRE.
- **Considering the big-ticket tuition fees, are the scholarships/stipends awarded for studying sufficient?**
You can always look out for scholarships and funding from the institute as well as other sources. Generally, highly ranked and reputed universities do not provide scholarships upfront but do not hold back yourselves because you can still look out for scholarships and part-time work after admission.
- **Did you follow any special strategy? What was your preparation strategy?**
For the quantitative section, focus on keeping the mistakes to a minimum, take the timed assessment and evaluate the topics you found difficult, and give more effort to them. In the verbal section, build a habit of reading articles and comprehending them. Starting with small and easy passages and, over time, raising the level. Mark down difficult words to learn the meaning. The most important advice would be to give as many mock tests as possible and sincerely evaluate your results. I personally gave 12-15 mock tests before the exam.
- **How many hours per week did you put into your preparation?**
I gave 10-14 Hours per week.
- **Since there is an unspoken truth about the relation between an Engineer and English, what would you suggest to ace in the verbal section?**
It is not necessary to score full in the verbal section, so set your goal accordingly and try to give concentrated effort to achieve those goals.
- **Could you enlighten the future aspirants about the mistakes they should avoid during preparation?**
Never be disappointed if you have a low GRE score or GPA universities review your application holistically, and a lot of things go into an application, such as Statement of Purpose, Letter of Recommendations, Projects and Experience, and so forth. Also, avoid fixation on getting into a particular university.
- **What factors to be considered while selecting the institution, and what would be a good GRE score?**
Look into the course-specific rankings of universities, the cost of attendance, university location, industrial connect if you wish to go for job after studies, scholarship, and funding opportunities. As for the GRE score, anything above 310 is good.
- **While preparing for one of the most competitive exams, how did you manage to keep your cool?**
I've always believed in my preparations and having a good pool of friends around you to cheer up always helps.
- **Would you be continuing further studies or prefer a job after completion of MS?**
I want to work in the research and development sector after my MS.
- **Are the scholarships/stipends awarded for studying sufficient, considering the high tuition fees?**
Never be disappointed if you have a low GRE score or GPA universities review your application holistically, taking into account your GPA, Test Scores, Statement of Purpose, Projects and Experience, Letter of Recommendations, and so forth. Also, the Statement of Purpose plays the most pivotal role in the application, giving an equal amount of effort to it. At last, do not lose hope if you did not get into that one university; there are 100's of great universities.



Naralasetty Panchajanya

IT 2019
ISRO 2019
AIR 13



1. When did you choose the ISRO as your career goal? What was your inspiration for the decision?

I started GATE preparation(which has almost the same syllabus as ISRO) in 3rd Year. I was always driven by the missions performed by the scientists in ISRO and wanted to contribute to the country and this became my biggest motivation to crack the exam.

2. As per your experience, what would be the best strategy to get in?

Start as early as possible and be consistent. Revision is one of the most important thing as we tend to forget concepts while studying many subjects. Short notes/ Micro notes help in the revision. Have a good strategy while answering questions and managing time well.

3. What would be the ideal time to start preparation and what would be the best way to prepare?

Recently GATE has allowed even 3rd year students to also write GATE. So, if you can start in 2nd year, you will get an opportunity to write in 3rd year which gives you an upper hand in other competitive exams as well.

4. How are the ISRO interviews?

ISRO interviews vary from person to person. Also, the current status of what you are doing matters. For some students, only technical subjects and for some B.Tech projects can also be asked. I was mostly asked technical and some work related questions.

5. How many hours per week did you put into your preparation?

I used to prepare around 10-12 hours a day, which makes it 70-84 hours a week.

6. Could you enlighten the future applicants about the mistakes they should avoid while preparation?

Have the belief in yourself and be consistent with the preparation. Track the silly mistakes and make sure you reduce them as much as possible.

7. What kind of profile should one groom during college, to get in an upper hand during selections?

Have good communication skills and be confident in the interview. I guess you can get these through presentations in college.

8. While preparing for the ISRO, how did you manage to keep yourself focused?

I used to watch some motivational videos and sometimes took breaks when it was not going right.

9. What kind of Hobbies and Interests do you have? And were you in any club or Committees in college?

I used to go to a lot of movies. I was part of the Cultural and Go Green Committee.

- What factors to be considered while selecting the institution, and what would be a good GRE score? Look into the course-specific rankings of universities, the cost of attendance, university location, industrial connect if you wish to go for job after studies, scholarship, and funding opportunities. As for the GRE score, anything above 310 is good.
- While preparing for one of the most competitive exams, how did you manage to keep your cool? I've always believed in my preparations and having a good pool of friends around you to cheer up always helps.
- Would you be continuing further studies or prefer a job after completion of MS? I want to work in the research and development sector after my MS.
- Advice/suggestions for future aspirants. Never be disappointed if you have a low GRE score or GPA universities review your application holistically, taking into account your GPA, Test Scores, Statement of Purpose, Projects and Experience, Letter of Recommendations, and so forth. Also, the Statement of Purpose plays the most pivotal role in the application, giving an equal amount of effort to it. At last, do not lose hope if you did not get into that one university; there are 100's of great universities.



Aakash Shrishrimal

Civil 2019

AIR 94, UPSC CSE 2020

Indian Police Service



UPSC

- **When did you choose the UPSC as your career goal? Would you like to share your inspiration for the decision?**

I had no inclination towards civil services when I entered NIT Raipur. My career goal since high school was to be a civil engineer which brought me to NIT. But there are some moments in life that somehow stick with you. This is what happened in my case. The flashpoint in my case was a project I was into when I was in 2nd year. I volunteered a team from the University of Florida in their Landscape Architecture project at Birkona, Kawardha. My professor Dr. Samir Bajpai asked me to help as a local guide since I belong to Kawardha. In order to help the foreigners in understanding the rural landscape, I had to see the same in an altogether different insight. This allowed me to see the petty issues in villages and simple solutions that can bring drastic change. This experience helped me to decide the path of my career.

- **As per your experience, what would be the best strategy to score well?**

The strategy should cover the aspects of - Uniform, Reform, and Perform. Uniformity in efforts across subjects and consistency in practicing. Reforming the mistakes by discussion, online research, revisions, and learning from experts. Finally performing or presenting whatever reforms have been made because at last, what you present is all that matters.

- **What would be the ideal time to start preparation and what would be the best way to prepare, is it via coaching or self-study?**

There is no ideal time to start preparation. But if someone had made up his/her mind to go for UPSC civil services examination then one must start during 3rd or 4th year of college. Starting too early leads to exhaustion and starting too late causes anxiety. The best way to prepare would be to start with understanding the examination first. Going through the syllabus, previous year's questions, and topper's talks would provide the necessary kickstart. I always suggest aspirants to find a group to study with because it improves consistency and discipline in preparation. The confusion regarding coaching or self-study is eternal. Joining coaching should be a personal decision based upon the natural stance. If you are someone who understands better when being taught by others then you must go for coaching. Self-study, irrespective of whether one joins coaching or not, is an inseparable part of the preparation. Focusing on self-study would provide you the time to enhance the skills required for the civil services exam.

- **How are the UPSC interviews?**

The interview is the best part of the examination process. Apart from the legendary picture in front of the UPSC building, there are lot many things to cherish. The preparation of the interview provides the opportunity to know oneself in a better way, as you dwell deep inside yourself. The interview is a personality test and one gets a chance to groom the personality during the preparation. I have had the opportunity to meet, discuss and expand my horizon of knowledge by meeting fellow candidates at interviews. The adrenaline rush during the waiting hours before you reach the panel room is itself a challenge. The interview is all about being yourself and allowing the panel to know you the most in the limited time period of 30 minutes. There are five members in the panel including the chairperson. UPSC interviews are diverse and so are the questions being asked.

- **What was your optional, and why did you choose this optional?**

I opted for Sociology as my optional subject. I could also have chosen civil engineering, my graduation subject as my optional since I did well during my graduation. It was the cost-benefit analysis that I made that forced me to leave civil engineering as optional. I went through all the optional subjects available. After excluding the obvious ones like Zoology, Botany etc, I listed down some of the subjects that interest me. Then I went through a detailed syllabus and Previous year Questions of the shortlisted topics. Among all the shortlisted subjects, I found Sociology to be my most interesting subject. I was sure that this could be the subject to which I can devote time without exhaustion given the interesting topics it beholds.

- **Did you anticipate your result? How did you feel after knowing that you have cleared the exam?**

Civil services is such an examination, where the chances of prediction are very low. I was confident about my Mains but being a first-timer, it was hard to predict the performance in relative terms. My interview was just four days before the results. Having heard about others' interview experiences, I knew I was in a comfortable position. I anticipated that I have a chance to be on the 'Golden List' but under-100 rank is something I was not ready to imagine.

The moment I found that I have cracked the exam, I was numb for some time. The anxiety of the entire day ended with a positive result. After getting the wishes from family, friends, and other acquaintances, I realized that this is not the achievement of me alone but a lot many others. I continuously told myself that this is just the beginning, there are- Miles to go before I sleep.

- **How many hours per week did you put into your preparation?**

I have never counted the number of hours I devoted to my preparation. I did make the plans for daily and weekly preparation. By following the targets, I pushed myself several times. I never stretched studying for too long. I took breaks in between, watched movies, talked to friends and family, did regular morning exercise, and even played badminton to keep myself active and calm.

- **Could you enlighten the future aspirants about the mistakes they should avoid while preparation?**

There are some common mistakes that aspirants do. First, do not overthink about the end result in the first place. Fear of failure can be a boon or bane, it is how you take it that makes the difference. Second, there is a lot of material available in the market, so make their judicious use and do not blindly follow someone or some coaching institute. Third, be consistent in your efforts. And lastly, avoid any kind of distraction that is hampering your preparation. Always remember, you should never cheat yourself.

- **What kind of profile should one groom during college, to get an upper hand during selections?**

College such as ours provides an ample amount of opportunity to improvise on skills. Make a habit of participating in as many activities as you can. Debates, discussions, and extempore are silent teachers. One should also develop leadership skills by joining any committee in the institute, for example, I was part of the Entrepreneurship Cell for two years.

- **What kind of Hobbies and Interests do you have? And were you in any club or Committees in college?**

I like watching movies, traveling, playing volleyball, badminton, and trekking. I find myself to be a good listener and often I learned several new things when I was at NIT just by listening to others. I was a part of the E-Cell first as the organizer and then as a Manager. As a participant, I participated in several events by Sanskriti, Aavartan, Go Green, Literati, and a lot of others. I will always be indebted to my alma mater for grooming me into the person I am today.



Manas Tripathi

Civil 2016

AIR 46, UPSC ESE 2020

Indian Defence Service of Engineers (IDSE)



UPSC

When did you choose the UPSC as your career goal? Would you like to share your inspiration for the decision?

I decided to prepare for UPSC ESE in the final year of B.Tech. But I could not appear in the examination as I did not meet the minimum age criteria. UPSC ESE allows even undergraduate students to reach responsible positions where we can use our technical and managerial knowledge effectively, work profile is diverse and career growth is good.

As per your experience, what would be the best strategy to score well?

As in UPSC ESE, marks of all stages are added so all the stages are equally important. Although these strategies are personal to each aspirant, the most important strategy would be to cover the previous year questions thoroughly. The syllabus is vast but there are limited concepts. So solving previous year questions helps in covering almost all the concepts asked in the examination.

What would be the ideal time to start preparation and what would be the best way to prepare, is it via coaching or self-study?

The ideal time to start preparation would be in 3rd year of the undergraduate program. As most of the basic syllabus is covered till the end of the second year and by the end of the final year student would be well prepared to appear in the examination. Although self-study is to be done, for the most part, joining coaching for test series helps in assessing ones' preparation.

How are the UPSC interviews? Could you share some tips for the same?

UPSC ESE interviews are mostly technical interviews with questions ranging from theory to practical aspects. The interview board consists of four members, out of which one member is the interview board chairman and the remaining members are technical experts. The Interview Board Chairman is a UPSC member. The interview board checks the problem-solving approach and how the answer is articulated. So, for appearing in the interview apart from proper behavioural and aesthetic aspects, communication of what you know and what you don't is very important.

Did you anticipate your result? How did you feel after knowing that you have cleared the exam?

I did have a gut feeling of getting selected but I was not sure how good my rank would be. It was an amazing feeling, good wishes poured in from friends and family, I could not sleep that night.

How many hours per week did you put into your preparation?

Although the number of hours does not matter, the effort to complete the task assigned to each day surely requires dedicated time. As I was preparing for ESE along with my Mtech program at IIT Delhi, I dedicated all my time after classes for preparation. So, I was able to squeeze out 5 hours min per day. Having said that, the preparation phase is a sinusoidal curve, some days we may study 12 hours and some days only 2 hours, but perseverance is important.

Could you enlighten the future aspirants about the mistakes they should avoid while preparing?

Certain important points should be remembered by UPSC ESE aspirants

1. Practice makes a man perfect. I feel strongly that mock tests are very important at each stage of preparation. Sometimes we may feel that we are underprepared, but it is important to understand that it is not possible to feel content every time thus whatever you have prepared practice in the examination.
2. Revision of concept and formulae. Revision of what you have studied is more important than studying new concepts before exams.
3. Group study. It helps in staying motivated, discussing the difficult concept and sometimes your friend might have a different approach which may be easier for you also.
4. Attempting the examination. It is important to make the strategy of attempting the exam be it prelims or mains. For example in what order you would attempt the exam, when will you attempt the difficult questions and when will you attempt easy questions etc.
5. Making short notes of mistakes and new concepts and formulas and revising them religiously.
6. At the end of the day, it is an examination and so it should be considered as one. This examination judges the understanding of the basic concepts thus the approach should be such. The aspirant should not dive deep into the concepts because that is not what the examination is testing.

What kind of profile should one groom during college, to get an upper hand during selections?

UPSC is not looking for a particular profile, hence technical knowledge should be a priority. Try to be sincere in the classes, make short notes and keep revising concepts. Having said that time spent in college is important for developing character, making good friends and pursuing hobbies along with studies. So, I would recommend living college life to the fullest without affecting studies.

What kind of Hobbies and Interests do you have? And were you in any club or Committees in college?

I like to play chess and follow international cricket. I was proactive in college and participated enthusiastically in fests. I was a core member of Sanskriti- the Cultural committee in my 3rd year and 4th year.



Navlesh Kumar

Civil 2013

AIR 43, UPSC ESE 2020

Score: 811/1300

Central Water Engineering Services(CWES)



When did you choose the UPSC as your service goal? Would you like to share your inspiration for the decision?

I was not so studious student also not so sincere as a result of which I wasted around 5 years after my B.Tech in 2013. These 5 years include around 8 months job at Afcons Infrastructure Limited which I got via college campus placement. After 2 months of preparation for the GATE examination, I got admission to IIT Patna in 2014. After 2016, I was looking for a job with no preparation. During this course, I also appeared for a few interviews at BPSC UPPSC etc. But I wasn't selected in any of those. In March 2018, I was blessed with my niece, her arrival inspired me to give her a better future and hence I decided to go to Delhi.

In May 2018, I joined 'Made Easy'. I appeared for ESE2019 for the first time, qualified till the interview stage but I wasn't selected. By God's Grace, I was able to clear ESE2020.

So, my inspiration for the decision to prepare for UPSC is my lovely niece.

As per your experience, what would be the best strategy to score well?

It's a three-stage examination. To get a good score, one must perform well in every stage. But the main focus should be on scoring high in the Mains stage. For this, I suggest you solve plenty of previous years unsolved questions of both ESE and CSE.

What would be the ideal time to start preparation and what would be the best way to prepare, is it via coaching or self-study?

The ideal time would be as early as possible if you are sincere then I suggest you start from 3rd year itself. But it's never too late. Any method of preparation is good. If you are a studious person then go with self-studies otherwise coaching is a better option for students like me who want to get the job done by putting in the least hard work.

How are the UPSC interviews? Could you share some tips for the same?

Interviews are the best part of any exam.

Chairperson and members are very friendly at UPSC interviews. They want to know how you are as a person, how you can handle the situations that pose pressure etc. Only one tip for the interview is that you must be as honest as possible.

Did you anticipate your result? How did you feel after knowing that you have cleared the exam?

Seriously, a big NO. I was sure that I will clear ESE2019 but not in ESE2020. It came as a big surprise to me. One of my friends congratulated me via text, saying 'congrats AIR43'. But I couldn't believe it. I checked the result for myself on the website. I had to check it multiple times to believe it myself and share it with my family.

How many hours per week did you put into your preparation?

It's around 50 hours per week and for around three months before both preliminary and mains.

Could you enlighten the future aspirants about the mistakes they should avoid while preparation?

Firstly, the aspirants should be very confident that they will clear the exam. Lack of confidence leads to failure. Secondly, never get let yourself get affected by others results. Thirdly, stick to one set of notes for a concept. Lastly and most importantly, solve as many previous year papers as possible.

What kind of profile should one groom during college, to get an upper hand during selections?

Do participate in activities other than studies like sports which give you exposure to the world around you. Be a leader or at least a member of any committee which helps you build a better personality, thus helping you clear UPSC.

What kind of Hobbies and Interests do you have? And were you in any club or Committees in college?

My hobbies mainly include sports like badminton and cricket. Physical activities like running and gaming. Mental activities like yoga etc.

I was a member of Srijan, a civil engineering committee.

Technical Articles



Are we living in a Simulation?

We live in a vast universe, on a small wet planet, where billions of years ago single-celled life forms evolved from the same elements as all non-living material around them, proliferating and radiating into an incredible ray of complex life forms. All of this living and inanimate, microscopic and cosmic is governed by mathematical laws with apparently arbitrary constants. And this opens up a question: If the universe is completely governed by these laws, couldn't a powerful enough computer simulate it exactly? Could our reality actually be an incredibly detailed simulation set in place by a much more advanced civilization? This idea may sound like science fiction, but it has been the subject of serious inquiry. Philosopher Nick Bostrom advanced a compelling argument that we're likely living in a simulation, and some scientists also think it's a possibility. These scientists have started thinking about experimental tests to find out whether our universe is a simulation. They are hypothesizing about what the constraints of the simulation might be, and how those constraints could lead to detectable signs in the world. So where might we look for those glitches?

One idea is that as a simulation runs, it might accumulate errors over time. To correct for these errors the simulators could adjust the constants in the laws of nature. These shifts could be tiny for instance, certain constants we've measured with accuracies of parts per million have stayed steady for decades, so any drift would have to be on an even smaller scale. But as we gain more precision in our measurements of these constants, we might detect slight changes over time. Another possible place to look comes from the concept that finite computing power, no matter how huge, can't simulate infinities. If space and time are continuous, then even a tiny piece of the universe has infinite points and becomes impossible to simulate with finite computing power. So a simulation would have to represent space and time in very small pieces. These would be almost incomprehensibly tiny. But we might be able to search for them by using certain subatomic particles as probes. The basic principle is this: the smaller something is, the more sensitive it will be to disruption think of hitting a pothole on a skateboard rather than in a truck.

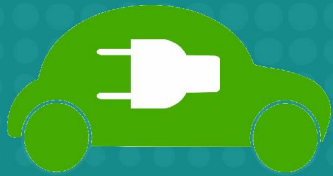
Any unit in space-time would be so small that most things would travel through it without disruption not just objects large enough to be visible to the naked eye, but also molecules, atoms, and even electrons and most of the other subatomic particles we've discovered. If we do discover a tiny unit in space-time or a shifting constant in a natural law, would that prove the universe is a simulation? No it would only be the first of many steps. There could be other explanations for each of those findings.

And a lot more evidence would be needed to establish the simulation hypothesis as a working theory of nature. However many tests we design, we're limited by some assumptions they all share. Our current understanding of the natural world on the quantum level breaks down at what's known as the plank scale. If the unit of space-time is on this scale, we wouldn't be able to look for it with our current scientific understanding. There's still a wide range of things that are smaller than what's currently observable but larger than the plank scale to investigate. Similarly, shifts in the constants of natural laws could occur so slowly that they would only be observable over the lifetime of the universe. So they could exist even if we don't detect them over centuries or millennia of measurements.

We're also biased towards thinking that our universe's simulator, if it exists, makes calculations the same way we do, with similar computational limitations. Really, we have no way of knowing what an alien civilization's constraints and methods would be but we have to start somewhere. It may never be possible to prove conclusively that the universe either is, or isn't, a simulation, but we'll always be pushing science and technology forward in pursuit of the question: what is the nature of reality?

- Prasad Deshmukh
Civil Engineering
4th sem





Electric Vehicle : Transforming Transportation in India



India is the fifth largest car market in the world and has the potential to become one of the top three in the near future. In India after the period of 1990's, the country saw a huge development in the sector of transportation. Liberalisation and ease of loan availability option pushed this sector to grow at an exponential rate. Gradually this sector witness huge number of employment. Time passes and we saw a major drawback of this sector and i.e **pollution**. World leaders and world organisations has reached to a very famous agreement 'paris agreement' to control the pollution and climate change, since india is also part of this agreement so now our govt is approaching towards a new idea of transportation sector basically towards idea of electric vehicles.

Current Situation and future of electric vehicles in India:

By announcing major scheme, policies and subsidies on electric vehicles govt is trying to increase the productions and sales of electric vehicles .As a result registered EV sales in March 2021 has steeply grown to 25,640 units, registering m-o-m increase of 34.2% and y-o-y increase of 88.2%. The FY2021 sales of registered EVs is more than 1,34,000 units. Automobile giants like TATA ,Mahindra etc now also updating their plants and started to train their workers to ramp up their production of electric vehicles.

India has already put forward the desire to become the biggest hub for electric vehicles in the future. Under the Make In

India programme, the manufacturing of e-vehicles and their associated components is expected to increase the share of manufacturing in India's GDP to 25% by 2022. Adoption of electric vehicles is projected to help save \$60 billion on oil imports by 2030 .Thus future of electric vehicle is seems quite bright in terms of economy and of course climate change.

Associated Challenges:

Prominent Challenges to this sector are Battery manufacturing, Lack of charging stations, Cost of electric vehicles which is much higher than fuel vehicles, lacking of skilled workers, non availability of prominent reserves of lithium and cobalt, Lack of power infrastructure and many more.

Despite of many challenges, India has potential to over come these challenges and to become the biggest hub of the world in this industry . A pretty long article but if u made it here u must have gather a quiet good information regarding future of electric vehicles.



- Sourav Kumar
Electrical Engineering
1st sem





Metaverse



The year 2021 was marked by the emergence of the metaverse which is expected to come in the upcoming years. Now what is this Metaverse? And why is it being so much hyped?

Metaverse is expected to provide us with the Virtual 3D universe consisting of a number of multiple virtual spaces. It will allow the users to meet, socialise, play 3D games, organise various events which you can attend online. There are some games which can provide some of the glimpses of the metaverse by hosting events in the game itself and also giving rise to virtual currencies. You can take the example of the battle royale games Battlegrounds Mobile India (BGMI) or Free Fire and many others which conduct in-game events which the AVATAR of the player can attend, they also have virtual currencies too like by the name "Unknown Cash (UC)". Through this we can imagine how the metaverse will work, it will not limit us to games only but beyond it.

Metaverse will act as a link between various platforms like the internet is the link between various websites through just a browser. This concept can be derived from the Science Fiction Novel *Snow Crash* by Neal Stephenson. It was assumed to be impossible but now we can expect it to be in reality. In the metaverse you can create your own character or "AVATAR" and even customise it, driven by augmented reality this will change the way of our living. Metaverse will not only combine social media, games but it will also combine various aspects of economies, digital identity, decentralised governance. Metaverse has promised so many aspirations regarding changing modern-day internet so we will have a look at some of the development and advancement which metaverse will bring:

Video Games- Like discussed above, players will not only just play games but can also perform various activities like meet-ups, attend concerts. These games also provide services and features which combine various aspects of life in games too. In one of the battle royale games *Fortnite*, 12.3 million players took part in Travis Scott's virtual in-game music tour.

In the metaverse, one can purchase virtual items through virtual currencies. It will also have a unique way of showing the ownership. We are all very much concerned towards money-oriented matters but in metaverse we can use Crypto and blockchain to make it safe and trustworthy as blockchain provides decentralised and transparent ways of dealing with various topics. By using blockchain we can prove our ownership to any asset by owning the wallet and having all the access keys to it, these wallets can also be useful to establish

your digital identity. Another aspect of metaverse focuses on the authenticity of any item brought in metaverse should be unique and absolutely original, for this NFTs can be used in order to create items which are unique and using blockchain they can be stopped from being forged and create their duplicates.

Metaverse has promised that we will have the same experience as in real life so it should have the concept of fair governance and with blockchain they can achieve this as Blockchain has shown its excellence in the field of governance. Creating payment wallets will be very accessible for the users. It doesn't require any paperwork and pay extra charges, which makes it very easier to manage finances.

Another important thing which metaverse has its challenge of connecting various platforms under one roof so it can use blockchain too as new inventions in blockchain have shown potential regarding interactions between various blockchains so that they can work with coordination with each other.

Honest Opinion-

Metaverse has promised with a lot of facilities to us, we have seen various artists have booked their shows and concerts on metaverse. A couple from Tamil Nadu has already booked their wedding reception on metaverse. Daler Mehndi became the first Indian singer to perform on metaverse, by all these examples we can really understand that people are taking interests into the idea of metaverse but the question which matters the most is whether we really want to get such experience like imagine you are invited to any wedding virtually but I don't think you will be able to get the feel of actual marriage because in India wedding are the occasions where we can enjoy freely but with metaverse it can ruin our joy. But in another view it can also prove beneficial in the current situation where most people have to work from home, where students have to study online it can provide a feel of working in their workspace. It is not possible for everyone to attend all the programs or concerts physically so with metaverse they can attend it and enjoy it in their personal space. So I would like to add since metaverse is not yet launched so making any marks will be too early.

-Samyak Meshram
Electronics and Communication
Engineering
4th sem



Natural Language Processing

We use Google translator, Google voice, Siri, Alexa, Grammarly, word processors, spelling checkers, and many more applications in our day to day life. It is so easy to use them and get results in a few seconds but the process or technology used behind it is really hard. These useful applications are the results of Artificial Intelligence and its subfield Natural Language Processing (NLP).

NLP is really an eye-catching topic. Natural languages are the languages which are used by humans to communicate between each other. For example English, Hindi, French, Spanish, German etc. It is not easy for computers to understand these languages. NLP is a subfield of artificial intelligence concerned with the interaction between computers and human languages. The main purpose of NLP is to read, understand, decipher, and make sense of the human language in a manner that is understandable. The computer is given a set of rules or algorithms. When the text is provided, the computer utilizes these algorithms to decode the meaning associated with each sentence and collects the essential data from them.

Natural Language processing is a difficult problem in computer science because of the nature of the human language. As our language is not merely text it also contains emotions. Writing software that accurately interprets the intended meaning of text or audio input is extremely tough. Humans spend years learning

and recognizing sarcasm, idioms, metaphors, grammar and usage exceptions, and variation in sentence structure. This is the reason why NLP is a hard nut.

Right now, our world is revolving around automation. Email filters, voice assistants, predictive text, search results, data and text statistics, these automation fields would not have been possible without Artificial Intelligence and its subfield NLP. Nowadays, everyone wants the machine to communicate, and Natural Language Processing is the only means for a computer to do so. The popularity of NLP is skyrocketing in the marketplace. According to a report published by Research Dive, the global natural language processing industry is expected to generate a revenue of \$42,389.83 million by 2027, growing rapidly at a CAGR of 20.6% during the forecast period 2020-2027. Natural Language Processing appears to have a bright future, and with the dynamically growing language and technology, it will be used in even more areas of science and business.



Gunjeeta Jain
Information Technology
6th sem

Quantum Computing:

What It Is, Why We Want It, and How We're Trying to Get It

Time crystals, Microwaves, Diamonds. What do these three seemingly unrelated items have in common?

Quantum computing. Well, Quantum Physics describes the behaviors of atoms and fundamental particles like electrons and photons. A quantum computer works by regulating the behavior of these particles, but in a very different way than traditional computers. So, just as a light bulb isn't a more powerful candle, a quantum computer isn't merely a more powerful version of our current computers. It is a new type of device based on quantum physics, and much as the light bulb changed society, quantum computers have the potential to change many aspects of our lives, including our security needs, the internet, healthcare, and perhaps even our personal lives. Until now, we've relied on supercomputers to solve most problems. These are very large classical computers, often with thousands of classical CPU and GPU cores. However, supercomputers aren't very good at solving certain types of problems, which seem easy at first glance. This is why we need quantum computers. Two principles of quantum mechanics crucial for the operation of quantum computers are superposition and entanglement.

Superposition is the counterintuitive ability of a quantum object, like an electron, to simultaneously exist in multiple "states." With an electron, one of these states may be the lowest energy level in an atom while another may be the first excited level. If an electron is prepared in a superposition of these two states it has some probability of being in the lower state and some probability of being in the upper. A measurement will destroy this superposition, and only then can it be said that it is in the lower or upper state.



Understanding superposition makes it possible to understand the basic component of information in quantum computing, the qubit. Qubits are distinguished from classical bits, which must always be in the 0 or 1 state, by their ability to be in superpositions with varying probabilities that can be manipulated by quantum operations during computations.

Entanglement is a phenomenon in which quantum entities are created and/or manipulated such that none of them can be described without referencing the others. Individual identities are lost. This concept is exceedingly difficult to conceptualize when one considers how entanglement can persist over long distances. A measurement on one member of an entangled pair will immediately determine measurements on its partner, making it appear as if information can travel faster than the speed of light. This apparent action at a distance was so disturbing that even Einstein dubbed it "spooky".

In reality, a quantum computer leverages entanglement between qubits and the probabilities associated with superpositions to carry out a series of operations (a quantum algorithm) such that certain probabilities are enhanced (i.e., those of the right answers) and others depressed, even to zero (i.e., those of the wrong answers). When a measurement is made at the end of the computation, the probability of measuring the correct answer should be maximized. The way quantum computers leverage probabilities and entanglement is what makes them so different from classical computers.

Why do we need it?

Researchers are working to both understand which

problems are suited for quantum speed-ups and develop algorithms to demonstrate them. In general, it is believed that quantum computers will help immensely with problems related to optimization, which play key roles in everything from defense to financial trading. Some examples are -

- 1) Quantum uncertainty can be used to create private keys for encrypting messages sent from one location to another. So that hackers could not secretly copy the key perfectly, because of quantum uncertainty. They would have to break the laws of quantum physics. Today we use more than 17 billion connected devices remotely, just imagine the impact of quantum encryption could have in the future.
- 2) Quantum technologies could also transform healthcare and medicine. The design and analysis of molecules for drug development is a challenging problem today and that's because exactly describing and calculating all of the quantum properties of all the atoms in the molecule is a computationally difficult task, even for supercomputers. But a quantum computer could do better because it operates using the same quantum properties as the molecule it is trying to simulate. So future large-scale quantum simulations for drug development could perhaps lead to treatments of diseases like Alzheimer's which affects thousands of lives.
- 3) Now my personal favorite is the teleportation of information from one place to another without physically transmitting the information. Sounds like sci-fi, but I believe it's possible because these fluid identities of the quantum particles can get entangled across space and time in such a way that when you change something about one particle, it can impact the other and that creates a channel for teleportation. This could be a part of the future quantum internet.

A new language for quantum computing

Unlike traditional computers that use bits, quantum computers use qubits to encode information as zeros or ones, or both at the same time. Coupled with a cocktail of forces from quantum physics, these refrigerator-sized

machines can process a whole lot of information — but they're far from flawless. Just like our regular computers, we need to have the right programming languages to properly compute on quantum computers. Scientists from MIT's Computer Science and Artificial Intelligence (CSAIL) aimed to do some unraveling by creating their own programming language for quantum computing called Twist. Twist can describe and verify which pieces of data are entangled in a quantum program, through a language a classical programmer can understand. The language uses a concept called purity, which enforces the absence of entanglement and results in more intuitive programs, with ideally fewer bugs. For example, a programmer can use Twist to say that the temporary data generated as garbage by a program is not entangled with the program's answer, making it safe to throw away.

Will Quantum Computing Ever Live Up to Its Hype?

Quantum computers have the potential to revolutionize computation by making certain types of classically intractable problems solvable. While no quantum computer is yet sophisticated enough to carry out calculations that a classical computer can't, great progress is underway. A few large companies and small start-ups now have to function non-error-corrected quantum computers composed of several tens of qubits, and some of these are even accessible to the public through the cloud. Additionally, quantum simulators are making strides in fields varying from molecular energetics to many-body physics. As small systems come online a field focused on near-term applications of quantum computers is starting to burgeon. This progress may make it possible to actualize some of the benefits and insights of quantum computation long before the quest for a large-scale, error-corrected quantum computer is complete.

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Amazing Tech of SSD

Amazing Tech of SSD

It's hard to believe that all your photos videos music messages and apps stored in the palm of your hands and for most of us it's a mystery that so much information can fit in such a small space. But it might not seem so surprising when you see the complexity inside your smartphone or the inside of one terabyte solid-state drive commonly found in laptops or computers. However, looking at its structure from outside tells us little about how smartphones and solid state drive can store tens of thousands of photos and videos. Let's explore deeper.

Deep into the nanoscopic view, structure called V-NAND exists. They hold all the data in smartphone and computers. Here's where the real magic happens, every bit of information is saved as quantities of electrons, inside memory cells which are called "charge trap flash".

Let's understand with a real life example and explore when you save a picture to your smartphone or your computer. Picture is made up of pixels, and each pixel has a colour. The colour of every pixel is defined by a combination of three numbers, ranging from 0 to 255, each representing red green or blue, this is known as the "Pixel Data". Each of these number is represented by 8 bits in binary, because computers work in binary. Hence, each pixel takes 24 bits of data to define its colour. To define a whole image, we have grid of pixels, or in other words, we have grid of values, an array. If we have an image whose resolution is 4032 3024 = 12,192,768, that is around 12 megapixels. Hence total number of bits required to store image is around 293 million, which is a unique set of 293 million 0's or 1's.

Memory Cell

Innanoscopic view, the memory cells that are used in every single smartphones or tablets, and inside the solid-state drive in your computer. The basic unit of computer's long term memory storage unit is called Charge Trap Flash memory cell. In each cell, we can store information by placing different levels of electrons onto a charge trap. Which is the key component inside the memory cell. Older technologies could store only two different levels of electrons i.e. a lot of electrons or very few electrons, which were used to store a single bit as a one (few electrons) or zero (lot of electrons). However, engineers have been developing more finely tuned capabilities for trapping and measuring different amounts of electrons or charges onto the charge trap. Most memory cells now can hold eight different levels. This means that a single cell can hold 3 or more bits depending upon number of levels.

If we have very few electrons in a cell, then the value would be "111". Likewise, there are 8 different levels of the charge trap storing electrons representing numbers from 0 to 7. The key to the charge trap is that it is specially designed that after it gets charged with electrons it can hold onto those electrons for decades. Which is how information is written or saved in solid state drive.

In order to read the information, the electron charge level is measured and amount of charge on a charge trap is unchanged. However, in order to erase the contents of memory cell, all the electron charges are forcibly removed from charge trap, returning it to its lowest level.

Organisation of Memory Cells

To store more than 3 bits of information, organisation of memory cells is required. Memory cells are stacked vertically, this is where vertical in VNAND or VerticalNAND comes from. This stack of cells is technically called String is composed of 10 flash charge trap cells layered one on top of another. When information is written to or read from a string, only one cell can be activated at any given time. And to do that, we attach "Control Gates" to every layer of string. The information is sent to the information highway which is at the top of the string, technically called Bitline. Each cell sends its information up to the highway or bitline.

The same kind of sequence happens when charges are being added to a charge trap, which is how information is written to a memory cell. Important thing is that, only one layer is allowed to write or read at any given time.

Duplicating and connecting the strings gives us another primary structure called "Page". When one of the control gates are permitted then all the cells in the page sends information to the respective bitline. We duplicate these pages to get a block. Each bitline is shared with the different pages at the top with the respective string.

Cell-> String-> Page-> Block

A control gate is added that selects between rows, so that only one bitline is selected at a time, these are called bitline selectors, this insures that only a single row is using the bitline. A SSD can read or write only from a single page at any given time.

Secondary Structure

Size is much more extensive than what discussed here. It's hard to pin down exact numbers because manufacturers are continually improving their designs and they are very secretive what their designs look like. The latest designs are somewhere around 96-136 layers tall. There are around 30 thousand to 60 thousand information bitlines. And there are around 4 thousand to 6 thousand blocks. On the edges are the control gate selectors and the bitline selectors on the other side. Together they comprise what is called as row decoder. And by using both selectors, we are able to access single page, all tens of thousands of bit line feed down to the "page buffer" where the information of a single page is read to or written from.

This chip can read or write at a rate of around 500 megabytes per second. This means it can read to or write from 63 blocks per second. Through is miracle of engineering only we are able to store millions of files on our phones, computers etc.

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The Emerging World of DeFi- Decentralized Finance

If we can email virtually anybody in the world, why can't we send them money just as easily? Or offer them a loan? These questions are the foundation of Decentralized Finance's (DeFi) beliefs, activities and objectives. In short, DeFi refers to an ecosystem of financial applications that are built on top of a blockchain. Its common goal is to develop and operate in a decentralized way – without intermediaries such as banks, payment service providers or investment funds – all types of financial services on top of a transparent and trustless blockchain network.

DeFi is an umbrella term for financial services on public blockchains, primarily Ethereum. With DeFi, you can do most of the things that banks support: earn interest, borrow, lend, buy insurance, trade derivatives, trade assets, and more. But it's faster and doesn't require paperwork or a third party. As with crypto generally, DeFi is global, peer-to-peer, pseudonymous, and open to all.

At the core, the term "public" is important here. It can be equated to similar to that of Ethereum public blockchain. In the public blockchain, there is no place for centralized authority. The need for DeFi comes from the fact that financial services are not available to everyone around the world. Almost 1.7 billion people all around the world have no means and access to financial services. The financial institutes can also not provide the necessary infrastructure to make people more access to money. The existing infrastructure is huge, but it does lack when it comes to reaching everyone out there. With decentralization, the current infrastructure failures are solved. It removes the failure point and ensures that the records can be stored and shared among different nodes across the network. It can work on a peer-to-peer network without any centralized authority.

DeFi Service Categories

DeFi embodies a variety of activities meeting the criteria of trust-minimized, non-custodial, open, composable, and programmable financial services. We identify six major DeFi categories, in addition to auxiliary services such as oracles and wallets. The lines between them are not always clear. However, this typology generally reflects participant perceptions of the DeFi market.

1. Stablecoins seek to maintain a constant value of a token relative to some asset, most commonly the U.S. dollar or other major fiat currency. Non-custodial stablecoins function as DeFi services themselves. Custodial stablecoins are centralized but may be incorporated into DeFi services.
2. Exchanges allow users to trade one digital asset for another. DeFi exchanges avoid taking custody of user assets, either through a decentralized order book or by matching orders and setting prices algorithmically.
3. Credit involves the creation of time-limited interest-bearing instruments, which must be repaid at maturity, and the matching of lenders and borrowers to issue those instruments.
4. Derivatives are synthetic financial instruments whose value is based on a function of an underlying asset or group of assets. Common examples are futures and options, which reference the value of an asset at some time in the future.
5. Insurance provides protection against risks by trading the payment of a guaranteed small premium for the possibility of collecting a large payout in the event of a covered scenario.
6. Asset management seeks to maximize the value of an asset portfolio based on risk preferences, time horizons, diversification, or other conditions.

The DeFi services are programmable and composable, aggregators have emerged that mediate activity across services in these base categories. Yield farming services such as Yearn Finance, which optimize returns from liquidity and collateral provision, are one example. Exchange aggregators such as 1inch and Matcha send trade orders to the exchange offering the best price. Zapper and Zerion provide integrated interfaces for order routing, yield optimization, and other DeFi activities across different protocols, reducing complexity for users. Tally aggregates DeFi governance token activity to facilitate participation in governance decisions. Because of their potential for better usability, aggregators may originate a significant share of DeFi activity in the future.

Decentralized Finance Risks

Not everything is positive when it comes to decentralized finance. Some challenges need to be covered to make it more viable to the different governments and organizations out there. One of the biggest challenges that DeFi has to encounter is the adoption rates. Even though we are connected through the Internet, we rarely have public awareness regarding the DeFi.

Not many people know about DeFi, and that can impact its use rate. In fact, there are very fewer people that know about crypto. The crypto gained its popularity during the bitcoin price rise, and still, it is nowhere near the "internet" or other more popular technologies out there. Even though public blockchains are technically capable of accepting every one of us out there, but it lacks the bandwidth to work efficiently. In comparison, Visa can process a huge number of transactions per second. This limitation is what not making bitcoin such a big success. In fact, other second-generation blockchain solutions, including Ethereum, lacks the bandwidth to make it more real-world appealing. Right now, blockchain researchers are working hard to make the technology more scalable.

Another biggest concern for DeFi is its connection with cryptocurrencies. Blockchain is an ideal network to transfer digital assets. Stable coins are the answer but cannot be used for every transaction out there. This is where cryptocurrencies come in. But cryptocurrencies volatility nature is what makes it not an ideal solution for the real-world.

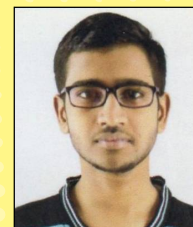
Conclusion: Future of Decentralized Finance

At present, the future of decentralized finance seems quite bright. Many companies are already looking into decentralized finance as an alternative to traditional ones. Also, many companies have already taken the necessary steps to implement decentralized finance projects. So, it seems the adoption will keep on rising. Thus, if you are in a financial institute or in a similar company that deals with finance, you should definitely take a look at DeFi. As it's a rising star now, you shouldn't miss out on the chance to benefit from it.

DeFi is a new, fast-growing area. Yet it remains immature, with a variety of unresolved economic, technical, operational, and public policy issues that will be important to address. Although some protocols have attracted significant capital and the associated network effects in a short period of time, the DeFi sector remains volatile. DeFi has the potential to transform global finance, but activity to date has concentrated on speculation, leverage, and yield generation among the existing community of digital asset holders. In addition, the very flexibility, programmability, and composability that make DeFi services so novel also expose new risks, from hacks to unexpected feedback loops among protocols.

Retail investors, professional traders, institutional actors, regulators, and policy-makers will need to temper enthusiasm for the innovative potential of DeFi with a clear understanding of its challenges. Developers are actively working to address vulnerabilities and introduce new mechanisms to manage risks efficiently, but the process is ongoing. DeFi will ultimately succeed or fail based on whether it can fulfil its promise of financial services that are open, trust-minimized, and non-custodial, yet still trustworthy.

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WEB 3.0

THE FUTURE OF THE ERA

Imagine a new type of internet that not only accurately interprets what you input, but actually understands everything you convey, whether through text, voice, or other media, one where all content you consume is more tailored to you than ever before. We are at the tipping point of a new phase in the web's evolution. Some early pioneers call it Web 3.0.

Firstly let us understand what is web 1.0 and web 2.0:

Web 1.0, also called the Static Web, was the first and most reliable internet in the 1990s despite only offering access to limited information with little to no user interaction. Back in the day, creating user pages or even commenting on articles wasn't a thing. Web 1.0 didn't have algorithms to sift internet pages, which made it extremely hard for users to find relevant information. Simply put, it was like a one-way highway with a narrow footpath where content creation was done by a select few and information came mostly from directories.

The Social Web, or Web 2.0, made the internet a lot more interactive thanks to advancements in web technologies like Java-script, HTML5, CSS3, etc., which enabled start-ups to build interactive web platforms such as YouTube, Facebook, Wikipedia, and many more. This paved the way for both social networks and user-generated content production to flourish since data can now be distributed and shared between various platforms and applications. The set of tools in this internet era was pioneered by a number of web innovators like the aforementioned Jeffrey Zeldman.

In short, Web 1.0 and Web 2.0 refer to eras in the history of the World Wide Web as they evolved through various technologies and formats. Web 1.0 refers roughly to the period from 1991 to 2004, where most websites were static web pages, and the vast majority of users were consumers, not producers of content. Web 2.0 is based around the idea of "the web as a platform" and centers on user-created content uploaded to social media and networking services, blogs, and wikis, among other services. Web 2.0 is generally considered to have begun around 2004 and continues to the current day.

What is web 3.0?

Web 3.0 is the next stage of the web evolution that would make the internet more intelligent or process information with near-human-like intelligence through the power of AI systems that could run smart programs to assist users. Tim Berners-Lee had said that the Semantic Web is meant to "automatically" interface with systems, people, and home devices. As such, content creation and decision-making processes will involve both humans and machines. This would enable the intelligent creation and distribution of highly-tailored content straight to every internet consumer.

Web 3.0 represents the next iteration or phase of the evolution of the web/internet and potentially could be as disruptive and represent as big a paradigm shift as Web 2.0. Web 3.0 is built upon the core concepts of decentralization, openness, and greater user utility. Where Web 2.0 was driven by the advent of mobile, social, and cloud, Web 3.0 is built largely on three new layers of technological innovation: edge computing, decentralized data networks, and artificial intelligence.

Web 3.0 has moved well beyond the original concept of the Semantic Web as conceptualized by Berners-Lee in 2001. This is partly because it is very expensive and monumentally difficult to convert human language with all its subtle nuances and variation into a format that can be readily understood by computers, and because Web 2.0 has already evolved substantially over the past two decades.

After the metaverse popularity, Web 3.0 — is the new buzzword taking over the Internet world. Also known as the decentralized web, Web 3.0 is the third version of the Internet, which is an improvement over the current Web 2.0 Internet. Under Web 2.0, Internet has become more social. Under this stage, Internet users have been encouraged to connect with each other through social networking services and blogs, which has been leading to the creation of massive volumes of data and content.

However, this data and content are largely controlled by a small group of tech giants including Amazon, Apple, Meta, Microsoft and Google in the current Web 2.0 stage. This is creating privacy issues and users may think that they have lost their freedom over their personal, business, or financial data as one has to accept all the terms and conditions to use the Internet services offered by these companies. Furthermore, social media sites have implemented stricter norms for which type of content or posts will be accepted on their platforms. This has created controversy over free speech.

Web 3.0 is anticipated to help overcome this problem as it is expected to be a decentralized version of the Internet where people have control over their data. The third version of the internet will have more transparency and boast massive content that will be accessible to all. Additionally, Web 3.0 is believed to be more user-specific, which will ensure data security and privacy while avoiding the risk of Internet hacking.

Defining features of Web 3.0 include

1. Decentralization;
2. Trustless and Permissionless;
3. Artificial Intelligence (AI) and Machine Learning; and
4. Connectivity and Ubiquity.

1. Decentralization : This is a core tenet of Web 3.0. In Web 2.0, computers use HTTP in the form of unique web addresses to find information, which is stored at a fixed location, generally on a single server. With Web 3.0, because the information would be found based on its content, it could be stored in multiple locations simultaneously and hence be decentralized. This would break down the massive databases currently held by internet giants like Facebook (now Meta) and Google and would prevent their undue enrichment by handing greater control to users. With Web 3.0, the data generated by disparate and increasingly powerful computing resources, including mobile phones, desktops, appliances, vehicles, and sensors, will be sold by users through decentralized data networks, ensuring that users retain ownership control.

2. Trustless and permissionless : In addition to decentralization and being based upon open-source software, Web 3.0 will also be trustless (i.e., the network will allow participants to interact directly without going through a trusted intermediary) and permissionless (meaning that anyone can participate without authorization from a governing body). As a result, Web 3.0 applications will run on blockchains or decentralized peer-to-peer networks, or a combination thereof—such decentralized apps are referred to as dApps.

3. Artificial intelligence (AI) and Machine learning : In Web 3.0, computers will be able to understand information similarly to humans, through technologies based upon Semantic Web concepts and natural language processing. Web 3.0 will also use machine learning, which is a branch of artificial intelligence (AI) that uses data and algorithms to imitate how humans learn, gradually improving its accuracy. These capabilities will enable computers to produce faster and more relevant results in a host of areas like drug development and new materials, as opposed to merely targeted advertising that forms the bulk of current efforts.

4. Connectivity and ubiquity : With Web 3.0, information and content are more connected and ubiquitous, accessed by multiple applications and with an increasing number of everyday devices connected to the web—an example being the Internet of Things.

Potential and Pitfalls of Web 3.0 : Web 3.0 has the potential to provide far greater utility to users, going well beyond the social media, streaming, and online shopping that comprises the majority of Web 2.0 applications used by consumers. Capabilities like Semantic Web, AI, and machine learning that are at the core of Web 3.0 have the potential to greatly increase application in new areas and vastly improve user interaction. Core features of Web 3.0, such as decentralization and permissionless systems, will also give users much greater control over their personal data. This may help limit the practice of data extraction which refers to information collected from web users without their consent or compensation and curb the network effects that have enabled the technology giants to become near-monopolies through exploitative advertising and marketing practices.

However, decentralization also brings with it significant legal and regulatory risks. Cybercrime, hate speech, and misinformation are already difficult to police and will become even more so in a decentralized structure because of the lack of central control. A decentralized web would also make regulation and enforcement very difficult.

What's a real-world example of how Web 3.0 will be able to provide greater user utility?

For example, if you are making plans for a vacation and are on a budget, you currently would have to spend hours looking for flights, accommodation, and car rentals, trawling through numerous websites, and comparing prices. With Web 3.0, intelligent search engines or bots will be able to collate all this information and generate tailored recommendations based on your profile and preferences, saving you hours of labor.

Closing Thoughts

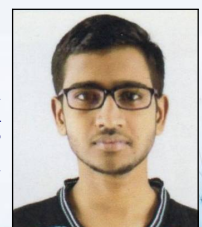
To use an analogy from the movies, if Web 1.0 represented the black-and-white movie era, Web 2.0 would be the age of color/basic 3D, while Web 3.0 would be immersive experiences in the metaverse. Just as the 2010s was the decade when Web 2.0 became the dominant force in the global business and cultural landscape, it might be Web 3.0's turn in the 2020s. Facebook's name change to Meta on Oct. 28, 2021, could well turn out to be an early sign that the shift to Web 3.0 is picking up steam.

Web 3.0 enables a future where distributed users and machines are able to interact with data, value, and other counterparties via a substrate of peer-to-peer networks without the need for third parties.

The result:

A composable human-centric & privacy-preserving computing fabric for the next wave of the web.

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हिन्दी खण्ड

जब कोई थका-हारा श्रमिक अपने बचपने को पीछे छोड़ अपनी जिम्मेदारियों का हाथ थाम लेता है,
तब उसके दिल में सिर्फ यही खयाल आता है कि-

कब तक

पता नहीं कब तक,
यह सहना होगा।
दिल में बचपना रखकर,
यू बड़ों की तरह रहना होगा।
अरे! मुझे भी उड़ना है,
दूसरों की तरह जिद करके अकड़ना है,
मुझे भी वह महंगे खिलौने लेने हैं,
मुझे भी अपनी शाम, मिट्टी में खेल कर गुजारनी है,
मुझे भी माँ से खीर की जिद करनी है।
एक बार,
बस एक बार,
मुझे मेरी जिंदगी जीनी है।

बीत गया वह बचपन,
जब से मैंने बड़ा होना सीखा है
लेकिन सच कहूँ,
अंदर ही अंदर, मेरा वह बचपन
ना जाने कितनी बार चीखा है
जिम्मेदारों की तलवार दिखाकर,
मैंने उसे डराया है
अपने इस सख्त लहजे को,
मैंने उस पर अच्छे से आजमाया है।
मैंने अपने शौक को,
रोटी के लिए मरते देखा है।
दुनिया के शोर में,
खुद को चार कपड़ों के लिए लड़ते देखा है।
ना जाने कब से,
हाँ कब से,
मैंने सपने नहीं देखे।
जो देखें,
उनको अपने सामने दम तोड़ते देखा है।

लेकिन रुको,
अब मैं लड़ने से डरता नहीं हूँ,
जानता हूँ,
ना कोई आया है ना कोई आएगा,
मैं अकेला हूँ,
और अकेला ही काफी हूँ,
दुनिया के शोरगुल में,
मैं एकांत वासी हूँ।
दुनिया मुझे श्रमिक कहकर पुकारती है,
लेकिन रास्तों के लिए मैं एक पथिक हूँ।
हमेशा चलते रहूंगा
और एक दिन,
हाँ एक दिन,
अपनी मंजिल पर,
जरूर पहुँच जाऊंगा ...



Anjali Tiwari
Mining Engineering
3rd Sem



प्रकृति

प्यारी प्रकृति, तुम अद्वितीय हो
मनुष्य हो या पशु, सबकी प्रिय हो
अदम्य शक्ति का स्रोत लिए हो
किंतु सदैव सेवा में लीन हुए हो

देखने को रूप तुम्हारा
विचलित हो जाता संसार सारा
जो भी कर ले मित्रता तुमसे
अकेला ना होता वह बंजारा

बात ही तुम में इतने निराली है
प्रसन्न करती हर फूलों की डाली है
और आकर्षक तुम्हारी हरियाली है
प्रफुल्लित करती सायं की लाली है

जब होता रमणीय सवेरा
ले आती चहुँओर उजियारा
रात आए तो देने पहरा
आ ही जाता कोई सितारा

नीला जल नीला है अंबर
दोनों ही अद्भुत है सुंदर
घनघोर श्याम घटाओं की चादर
भरती है सागर की घागर

निर्मल शीतल जब चले हवाएँ
मंत्रमुग्ध सब को कर जाए
और ये जलधर भिन्न-भिन्न से
रूप बनाकर हमें रिझाएँ

जननी हो तुम समस्त जग की
करता है तुमसे प्रेम हर कण
तब भी तुमको दूषित करने
क्यों आ जाते हैं कुछ गण?

तुमसे ही संपन्न हूँ मैं
तुम्हारे बिना विपन्न हूँ मैं
कैसे कहूँ तुमसे भिन्न हूँ मैं
आखिर तुम्हारा ही तो चिह्न हूँ मैं



Snehal Hishikar
Civil Engineering
3RD Sem



आओ मिलकर पेड़ लगाएँ


कम हो रही है सांसे,
उसकी कोई जुगत जमाए
आओ मिलकर पेड़ लगाएँ॥

उफ दिसम्बर में जुलाई-सी बारिश,
कभी सावन भी रीता जाए
आओ मिलकर पेड़ लगाएँ॥

बढ़ता जा रहा है धरती का ताप,
ग्लोबल वार्मिंग का डर सताए
आओ मिलकर पेड़ लगाएँ॥

मरु भूमि में बदल रहे कई देश,
ओजोन परत भी है अकुलाये
आओ मिलकर पेड़ लगाएँ॥

स्वच्छ पर्यावरण हो अपना,
भूमि, जल, वायु की दूषण मिटाएँ
आओ मिलकर पेड़ लगाएँ॥

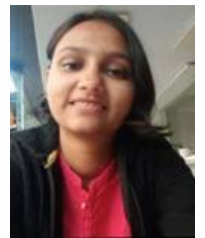


कोरोना ने समझाया ऑक्सीजन का मोल,
फिर क्यों हम समझ ना पाए
आओ मिलकर पेड़ लगाएँ॥



Kavya Shrivastava
Civil Engineering
1st Sem

उलझनें एक जाल के समान हैं;
जो तुम्हारे भीतर मौजूद हैं,
मस्तिष्क के किसी कोने में।
पर असल में तुम कैद हो,
उलझनों के अंदर ही।
पता है मुझे कि तुम कोशिश कर रहे हो
उलझनों से भागने की।
बहुत हाथ-पैर मारे तुमने,
ताकि जाल टूट जाए;
मगर तुम तो उसमें,
और ज्यादा कसते जा रहे हो।
उन उलझनों के मध्य तुम,
फंसते जा रहे हो।
एक प्रयास असफल हुआ,
फिर तुम व्यस्त हो गए रोने में;
जबकि उलझनें मौजूद हैं,
अभी भी एक कोने में।
सुनो, तुम थोड़ा शांत हो जाओ,
डर और चिंता को कुछ देर भूल आओ;
फिर गौर करो समस्या पर,
जांचों उसे परत दर परत।
फिर रास्ता तुम ढूँढ ही लोगे,
जाल से बाहर आने का।



Khushi Gupta
MCA
1st Sem

क्या रुकना तुमने बोला था.....!?

दर्द लिये खुद के अंदर,
तुम कबतक खैर मनाओगे,
तुम तूफ़ाँ हो तुम झुको नहीं,
खुद अपने पैर बनाओगे।

हैं आज लहर कुछ गहरा है,
हर ओर कहर कुछ कह रहा है,
ये धुंआ है क्यों भूले हो,
तुम कृष्ण के पावन झूले हो,
तुम छीनोगे तुम खड़े रहो,
उम्मीद पर अपने अड़े रहो।

तुम याद करो जब टूटे थे,
तुम याद करो जब रूठे थे,
तुमने कुछ करना बोला था,
तुमने ना डरना बोला था।

तुम दिल में एक चिंगारी लो,
कुछ करने की तैयारी लो,
है कौन डगर रुक जाओ तुम,
है कौन प्रहर झुक जाओ तुम।
तुम दीपक हो तुम जले रहो,
तुम अच्छे हो तुम भले रहो...



Prince Tripathi
Electrical Engineering
1st Sem

जीना बचपन दोबारा था !!

कि अभी दुनिया मेरी अंजान थी,
महफिल में न कोई पहचान थी,
न शब्द थे, न बोली थी,
पर बसती मुझमें सबकी जान थी!

न कोई फरमाइश थी,
न कोई ख्वाइश थी,
रेंगता फिरता था क्योंकि,
न चलने की गुंजाइश थी!

अभी नुमाइशों से कुछ दूर था,
चहरा मेरा घर का नूर था,
न कोई दोस्त था न कोई दुश्मन,
होता माफ़ मेरा हर क़सूर था!

फिर वक्त का पहिया बढ़ने लगा,
मैं तालीम की सीढ़ी चढ़ने लगा,
कुछ खोया कुछ पाया,
शोहरत जैसे खौफ़ का साया!

पहले मासूम दिल भटकता नहीं था,
यूँ गैरों पर अटकता नहीं था,
मुसीबतों में मैं यूँ फँसता नहीं था,
और गलत मेरा कोई रस्ता नहीं था!

अब लगता है, वह बचपन ही प्यारा था,
जिसमे मैं सबका राज दुलारा था,
न कोई खास था, न कोई यारा था,
मैं ही सहारा और मैं ही बेचारा था,
पूछे गर कोई तमन्ना जो मेरी,
तो जीना मुझे बचपन दोबारा था!



Nikhil Gupta
Civil Engineering
1st Sem

तू

तू है दुनिया को बनाने वाला,
तू ही है उसे पालने वाला।

तू नहीं है वह, जो बना है मास से
तू नहीं है वह, जो जीता है सांस से।
तू है वहीं, जिसे आए ना घमंड
तू है वहीं, जो मिटा दे भ्रम।
तू ही तो है, जिसमे सारे रजस
तू ही तो है, जिसमे ना है तमस।

ऐसा कभी नहीं था जब तू नहीं था,
तू दुनिया बनने से पहले भी हर पल में था।

तू नहीं, जिसे सताए चिंता
तू वहीं, जिसे ना जला पाए चिता।
तू है सच वह जो सबको दिखता है
तू है सच वह जो सबमें बस्ता है।
तू नहीं, जिसको दुख तंग करे
तू वहीं है, जिसके अंदर खुशियाँ पले।

इस पर्दे को तू मेरी आँख से हटा,
मुझको तू अब मुझसे ही मिला।

तू ही तो है वह, जो सब में बसा
तू ही तो है वह, जो सबमें मिला।
तू ही है वह, जिसने दुनिया में रंग भरा
तूने ही समंदर को नीला और पेड़ को हरा करा।
अब तू रंग दे मुझको अपने रंग में,
अब तू ही मिला दे मुझको मेरे सच से।

बदले में तू लेले चाहे मेरी दुनिया,
बदले में तू लेले जो भी था तूने ही दिया।

मुझको तो है सब तुझसे मिला,
तेरे होते हुए कैसे हो सकता गिला।
मुझको सारी खुशियाँ तो तूने ही दी,
मुझको हसने की वजह भी तूने ही दी।
घम जब दिए थे तूने मुझे कुछ जो,
तू तब भी था साथ खड़ा बोला था मुझसे ना रो।

हटा अब इस दीवार को जो मेरे अंदर है,
तोड़ इसे अब और मुझे तू दर्शन दे।



-Ayush Khandelwal
Information Technology
3rd Sem

तू कर्म कर

कर्म ही तेरा धर्म है, धर्म ही तेरा कर्म है,
तू बाधाओं को तोड़कर,
तू हौसलों को जोड़ कर
बढ़ चल बढ़ चल।

तू सर्वव्यापी श्रेष्ठ है,
तू कर्मशील ज्येष्ठ है
हो, कर, बंधनों से मुक्त
तू कर्म कर, तू कर्म कर।

फल का न हो सोचना
न ही कोई विवेचना
न ही कोई किंतु, न कोई अकिंचन
तू कर्म कर, तू कर्म कर।

तू पहाड़ कई चढ़ चुका
तू जंग कई लड़ चुका,
काल की रात को सूर्य प्रभात से हरा,
तू अड़चनों का कर तिलक,
तू कर्म कर तू कर्म कर।

तुझे जीतना है खुद से और विपक्षी भी तू ही है
तू ही है तेरा अर्जुन और कृष्ण भी तू ही है
तू ही है तेरा अर्जुन और कृष्ण भी तू ही है।



Suyash Shukla
MCA
1st Sem



शिक्षक हूँ

पढ़ता हूँ, समझता हूँ, समझाता हूँ
शिक्षक हूँ, भविष्य को मार्ग दिखाता हूँ।
हंसता हूँ, हंसाता हूँ और गलत पर गुस्सा भी दिखाता हूँ
शिक्षक हूँ, अखंड समाज की नींव बनाता हूँ।

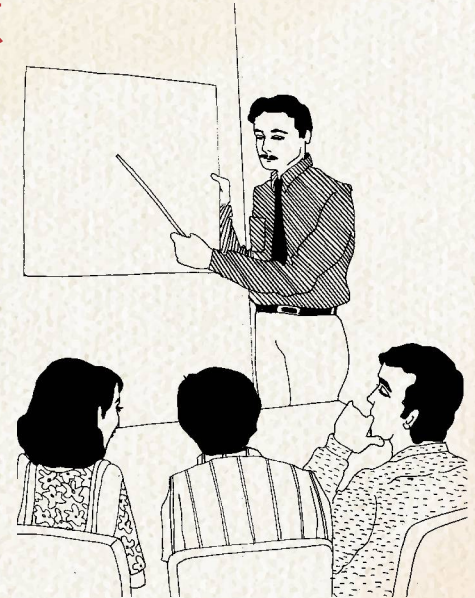
पर जीवन की लय कुछ बदल-सा गयी
जैसे कविता में सब बिखर-सा गया
एक नई कहानी का आगाज बताता हूँ
ऑनलाइन शिक्षक की कहानी सुनाता हूँ

जब छाया कहर महामारी का
मौसम था वह लाचारी का
खुद को असमर्थ-सा मैंने पाया
शिक्षा जगत में फिर अंधियारा छाया

आज और कल के बीच में समझोता हुआ,
आधुनिकता को अपनाने का फैसला हुआ,
क्लासरूम, ब्लैकबोर्ड, चाक, डस्टर सब में अब बदलाव हुए
कोरोना वायरस के साथ-साथ हम खुदसे भी सब दूर हुए

हा अब घर में काफी रहता हूँ,
पर परिवार तो तुमसे भी था

सच कहूँ तो आधुनिकता ने कुछ काम सरल तो किये हैं,
पर ऐसा कोई दिन नहीं जब मैंने इसे क्लासरूम, चाक-डस्टर से बेहतर कहा है।



Lakshman Mulchandani
Electrical Engineering
4th Sem

मिलना (दोस्त)

कभी आ भी जाना
बस वैसे ही जैसे
परिंदे आते हैं आंगन में
या अचानक आ जाता है
कोई झोंका ठंडी हवा का
जैसे कभी आती है सुगंध
पड़ोसी की रसोई से
आना जैसे बच्चा आ जाता
है बगीचे में गेंद लेने
या आती है गिलहरी पूरे
हक्र से मुंडेर पर
जब आओ तो दरवाजे पर
घंटी मत बजाना
पुकारना मुझे नाम लेकर
मुझसे समय लेकर भी मत आना
हां अपना समय जरूर साथ लाना
फिर दोनों समय को जोड़
बनाएंगे एक झूला
अतीत और भविष्य के बीच
उस झूले पर जब बल्लियां
तो शब्द वैसे ही उतरेंगे
जैसे कागज पर उतरते हैं
कविता बन और जब लौटे तो थोड़ा
मुझे साथ ले जाना
या थोड़ा खुद को छोड़ जाना
फिर वापस आने के लिए
खुद को एक दूसरे से पाने के बहाने



Aaditya Goel
Metallurgical and Materials
Engineering
1st Sem

सफ़ेद

कि मुझे फेंक दिया क्योंकि, रंगों में सफेद-सा हूँ
में रंगीन जिंदगी की रेल में उनकी, रूकावट में खेद-सा हूँ!
कहते हैं वो,

ये सादा सफेद लिबास तेरा, कुछ खास नहीं
या शायद जिंदगी में एहमियत का मेरी, अभी उन्हें अहसास ही नहीं!
धुँध में मिला हूँ, दिन के उजालों में
चमकुंगा कभी इस तलक, जैसे सफेदी काले बालों में
चुप हूँ अभी, दूर कहीं आसमानों में!

मेरे आँसू अभी अकेले हैं, दिल ने मेरे भी कई गम झेले हैं
पर अब वक्त के साथ, मुझे खुद को बदलना है!
बदलना है, चलना है, खुद ही संभलना है
मुराद है झड़ती हुई कली की, मुझे भी खेलना है
जख्मों के घाव , अब कांटों से सिलना है!

सफेद हूँ तो क्या, मैं रातों में चाँद सितारा हूँ
और फेंक दो कहीं दूर मुझे, मैं खुशियों का बंजारा हूँ!



Nikhil Gupta
Civil Engineering
1st Sem

मेरे किरदार

मैं हर सुबह कमरे की खिड़की खोलके सूर्योदय देखता हूँ। बाकी समय खिड़की बंद रहती है, पर ना जाने उस समय कौनसी बात मुझे खिड़की खोलने को मना लेती है। सूर्य के निकलने के साथ ही वो बात मेरे कमरे से निकल जाती है। और मैं वापस से खिड़की बंद कर देता हूँ। फिर मैं वापस अपने कामों में लग जाता हूँ।

जब कुछ देर बाद माँ आवाज़ लगाती है, "खाना खाने आजाओ", मैं खाना खाने के लिए चल जाता हूँ। माँ मुझसे पता नहीं कुछ बोलती नहीं थी। बस खाने के लिए बुलाती है, फिर एक दम शांत। बाबा भी कमरे के एक तरफ अखबार पढ़ रहे होते हैं। ना कभी राधे राधे का जवाब देते हैं, ना ही कुछ टोकते हैं। समझ नहीं आता कि मुझे उदास होना चाहिए की वो मुझसे कुछ कहते नहीं या फिर खुश होना चाहिए क्योंकि वो मुझसे कुछ कहते हैं।

मैं एक छोटे मोहल्ले में रहता हूँ, जहाँ बाजार के बीच है। मेरे घर के आस पास कई सारे होटलों और हलवाइयों कि दुकाने हैं। उसमें से मुझे एक दुकान मुझे अपने घर की याद दिलाती है। उस जगह का कहना काफी स्वादिष्ट है।

मुझे कहानियाँ पढ़ने का भी शौक है। मैं काम पर जाते वक़्त और वहा समय मिलने पे किताबें पढ़ता हूँ। कहानियों में मुझे कभी कभी कुछ किरदार मेरे दोस्त से लगते हैं। मेरे २ दोस्त हैं, विक्रम और सुरेश। विक्रम थोड़ा सा मोटा और शरारती है। सुरेश हर बात को सोचकर करने वाला एक समझदार व्यक्ति है। मुझे जब भी किसी बात पे कुछ सलाह चाहिए होती है तो इन दोनों से पूछ लेता हूँ। विक्रम मुझे कुछ डरते हुए करने की राय देता है तो सुरेश कुछ सोचने का समय लेकर पूरा थीअरम या सूत्र सा बताता है।

मुझे ऑफिस में किसी से बात करने की ज्यादा इच्छा नहीं होती। एक डर सा लगता है, की कही किसी से बात करके मैं कुछ बिगाड़ ना दूँ। इसलिए मैं सबसे डरते हुए चलता हूँ। कुछ अच्छे लोग मुझसे सामने से बात करने की कोशिश करते हैं तो मैं तब भी डर के बात करता हूँ। बाकी समय बस सर झुकाए काम करता रहता हूँ।

आज मेरी डेस्क के पास कुछ अलग है। ये अक्सर भरी हुई लगती है। कोई तो बैठा है इसपर, वो जिनकी दाढ़ी में सफेद बाल हैं, वो बैठते हैं। पर वो आज आए क्यों नहीं? शायद लेट होंगे। मैं उन्हें भूल कर वापस काम में लग गया।

कुछ देर बाद जब लंच हुआ तो मैंने खाने से पहले थोड़ी देर किताब पढ़ने की सोची, मैं किताब पढ़ने लगा। जब मैं किताब रख कर लंच खाने जाने लगा तो बगल में देखा कि वो सफेद दाढ़ी वाले व्यक्ति आ चुके हैं।

आज माँ ने टिफिन में छोले चावल रखे हैं। पर वो ठंडे हो गए थे। मुझे ना चाहते हुए भी लंच एरिया की तरफ जाना पड़ा। मुझे वहा जाना पसंद नहीं था। मैं जब भी जाता हूँ तो मुझे अकेला सा लगता है।

मैं उधर पहुंचा तो समय काटने के लिए फोन चलाने लग गया। वहा पे सब अपने दोस्तों के संग कही ना कहीं घूम रहे थे। उन्हें देख मैं विक्रम और सुरेश के बारे में सोचने लगा। दोनों सुबह से दिखे क्यों नहीं? कही दोनों ने आज छुट्टी पे तो नहीं। थोड़ी देर बाद मेरे सामने आके एक लड़की बैठ गई। वो कुछ खा नहीं रही थीं, मैंने यू ही उससे पूछा कि "कुछ खाओगी क्या?", उसने मुझसे पूछा कि क्या है? मेरा मन किया की उसको ना बताऊँ और सब खुद ही खा जाऊँ पर पूछा भी मैंने ही था। मैंने उसे बताया और उसे थोड़े से छोले चावल एक प्लेट में दे दिए। जब मैं खाना खाकर जाने लगा तो उसने मुझसे बोला, "खाना अच्छा था।" मैंने कहा, "थैंक्स, मेरी माँ ने बनाया है।" उसने बोला, "अच्छा खाना बनाती है आंटी", फिर वो किसी रेस्टुरेंट के बारे में बताने लगी, जिसका खाना भी ऐसा ही होता है। क्या नाम बताया था... 'हां, मूनलाईट रेस्टुरेंट।' मैं उससे टालता हुए चल दिया।

मैंने आज का काम खत्म कर लिया था, पर मेरा मन घर जाने का नहीं था। मेरा मन था कुछ देर समय यही काटने का, तो मैं कहानी पढ़ने लगा। थोड़े पन्नों के बाद विक्रम ने आके पीठ पे हाथ रखा और हाल चाल पूछे। पीछे पीछे सुरेश भी आ गया। मैंने दोनों से पूछा कि सुबह से कहा थे। तो दोनों कुछ नहीं बोले।

मैं घर पहुंच गया। घर पे मा नहीं थी। शायद बाहर गई होंगी। कुछ सामान लेने। मैंने मेज़ पर सामान रख कर बाबा से राधे राधे बोला, पर वो फिर कुछ नहीं बोले।

मैं ऊपर आके कमरे में बैठ गया। समय देखता रहा कुछ ना कुछ करके समय काट ता रहा।

कुछ देर बाद माँ ने आवाज़ लगाई, "खाना खाने आ जा" मैं नीचे गया और थाली में खाना लेकर खाने लगा।

फिर मैं वापस आके इंतजार करने लगा। अगली सुबह का। सूर्योदय का। माँ की आवाज़ का।

कुछ देर बाद माँ ने आवाज़ लगाई, "खाना खाने आ जा" मैं नीचे गया और थाली में खाना लेकर खाने लगा।

फिर मैं वापस आके इंतजार करने लगा। अगली सुबह का। सूर्योदय का। माँ की आवाज़ का।



-Ayush Khandelwal
Information Technology
3rd Sem

मां को खत

आसान नहीं यूँ ही लिख दूँ कुछ,
उस व्यक्ति विशेष की शान में,
जान रहा जो मुझको उस क्षण से,
जब स्वास न थी इस प्राण में।
आसान नहीं यूँ ही लिख दूँ कुछ,
उस महात्मा के गुणगान में,
जिसकी महानता की व्याख्या,
अनंतकाल से, शास्त्रों एवं पुराण में,
है उनकी महानता का उल्लेख असंभव,
फिर भी कर रहा प्रयास, मूर्ख अज्ञान में
प्रतीत होता, प्रयास है कि
प्रकाश डाले उस अनंत ब्रम्हांड में
हाँ माँ तेरी तारीफ नहीं कर पाता
हाँ माँ तेरे दुख न हर पाता
और उनसे रहता अनजान मैं।
मैया मोरी माफ करदे मोहे
तेरा ही बालक नादान मैं।



Ketan Chandrakar
Electrical Engineering
6th Sem





ENGLISH

ARTICLES
ODYSSEY

BREAK THE STIGMA!

“You don't have to be positive all the time. It's perfectly okay to feel sad, angry, annoyed, frustrated, scared and anxious. Having feelings doesn't make you a negative person. It makes you human.”

— Lori Deschene

You can never hear that enough. What the general population might consider as a meager process of “freaking out” or “overthinking” is a rather more sophisticated version of cogitation. I could go on a rant about how anxiety is perceived to be versus how it is. What it does to you. What it does to the people around you. But any rudimentary article on the internet will tell you that. The thought process differs. Something as simple as a text that has not been replied to can trigger a plethora of varied emotions. It makes you think about things and contemplate scenarios that don't even exist. The world becomes your specimen and your brain becomes a magnifying glass. There are days when you don't care at all and then there are days that you care a little bit too much. It is rarely an in-between. It is the fear of losing people that you want to keep close, of losing opportunities that were within your reach, and to some extent, disappointing everybody around you. It's a vicious cycle.

But then there are moments when you are ecstatic about everything in life. Everything excites you, and your happiness knows no bounds. You feel normal. You get out of bed and put on that happy face and mean it. Although statistically speaking, those days are very rare. That happy face will always be there, no doubt, but it isn't really “happy”. It is a battle that needs to be fought every day, with triggers that need to be and want to be controlled. But as hard as it might be, it's worth it. It might sound impossible, but some people care about you and for them, it's worth it. If you are on the receiving end of somebody's “anxiety attack”, don't leave. Don't judge. Just listen. Because once it has passed, they will appreciate you like there's no tomorrow. Talking is the sole thing that truly helps, so let them talk. Let them vent, because it has to come out, and this is a two-way road because they too will listen when you want them to.

Lastly, constant reassurance is the answer. They need to be constantly told that their life is not falling apart and that everything is going to be alright. That they are human and can't control everything. They can't help but hope and then break down when it is destroyed.

Someone or the other always has had it worse, but that does not mean that your pain doesn't count. You feel what you want to feel, and that is a birthright we are all born with. Additionally, it is nothing to be ashamed of. You will lose many people, but that isn't necessarily a bad thing. Keep the ones that aren't superficial, and the rest can just see your “happy face”. We all have a very limited time assigned to ourselves, so for what it's worth, keep fighting because everything will be alright in the end, it has to be, and honestly, you can never hear that enough either.



Chandan Roul
Chemical Engineering
4th Sem

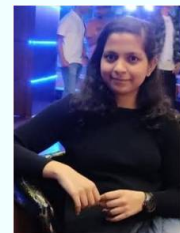
COMRADES IN SQUARE

Enclosed in little squares, filled with laughter and jesters, for some, I have just seen faces or have to imagine them by anime characters of their WhatsApp profile. It's more than a year, and they are unseen and far away, and yet I can pen down a million words, and they seem known for ages.

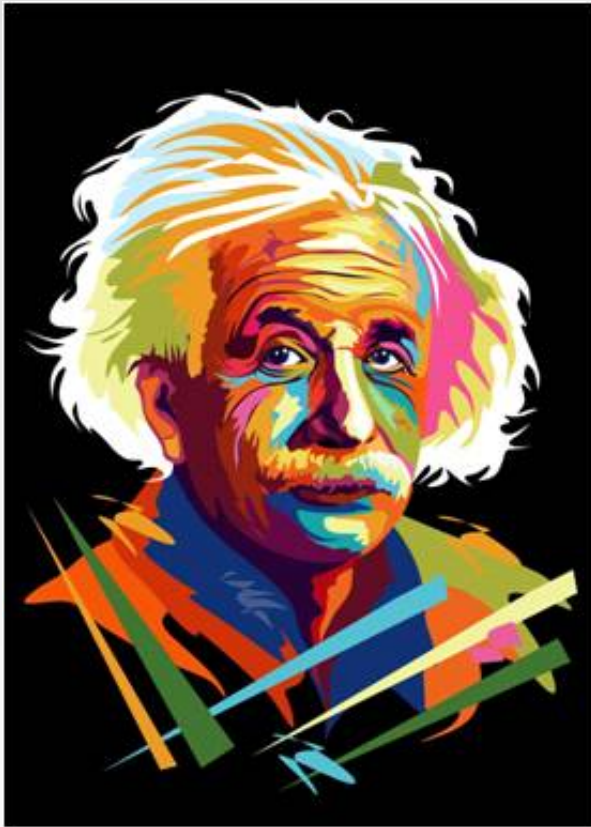
This is our self-chosen college family, our friends. With the new normal, we have somewhat normalized our friends in little squares of video calls and Google meets. And this has been an “Informative journey” living in our own city, we are aware who is facing a power cut, where it rained and who is eating festival feasts. All of us have heard the pressure cooker whistling in one person's house every day at the same time. And what to say for the poor guy who gets scolded for not cleaning up his room.

It seems all fun but every now and then our eyes go wet imagining what would have happened if we could break these squares, ditch virtual hugs and embrace this family in reality. Even though limited only to our phones, these comrades help us go through each day.

The online college journey would have been incomplete without making funny stickers of them. Flooding them with texts to let out our disappointments to laughing at jokes only we can comprehend. With gratitude in our hearts, we will continue to pick each other up from pits of gloom until we can giggle together on the green lawns of the central garden.



-Rajasi Pandey
Electronics & Communication
Engineering
4th Sem



EINSTEIN'S CONTAGIOUS WIT

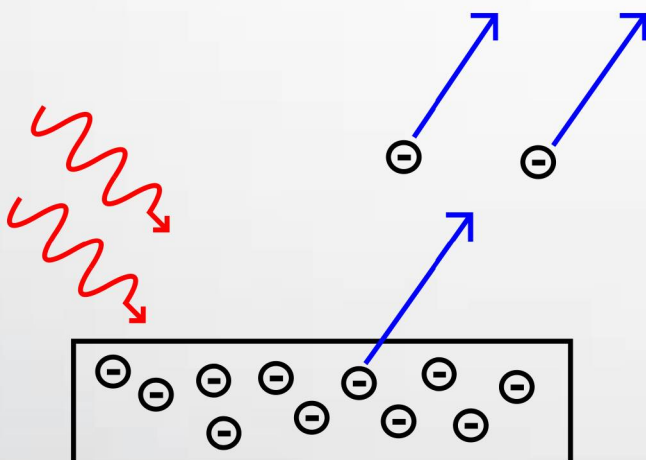
“Put your hand on a hot stove for a minute and it appears like it's been two hours”, the great Albert Einstein had once said. “Sit with a pretty girl for 2 hours and it seems like only a minute has passed, that's relativity my friend”, he added.

One fine day during a speaking tour, Albert Einstein's chauffeur who often sat at the back of the hall during his lectures, remarked that he could probably give the lecture himself having heard it so many times.

Einstein was flabbergasted by this thought of his and wanting a break himself from the exhausting lectures and the frazzling journey, he decided to execute this plan as suggested by his chauffeur.

Sure enough, at the next stop of the tour, Einstein and his chauffeur switched places, with Einstein sitting at the back in the chauffeur's uniform.

The people began to pour in and the lecture began with no one skeptical of either Einstein's or the chauffeur's identity. Having delivered a flawless lecture, the chauffeur was asked a difficult question by a member of the audience. “Well, the answer to that question is quite simple”, he casually replied. “So simple that I bet my chauffeur sitting at the back there could answer that.”



-Ayush Mandal
Metallurgical and Materials Engineering
6th Sem

Fascination towards Forbidden

**"There is a charm about the forbidden that makes it unspeakably desirable."
-Mark Twain**



Ice cream tastes better in winter, class bunk becomes an adventure, driving faster than the limit seems exciting, fast food cravings are irresistible, yes because restricted things are more attractive. According to the bible, Adam and Eve had an abundance of food in the Garden of Eden but they simply couldn't resist the apple that was forbidden. In Psychology, "forbidden fruit theory" is an idea that anything forbidden becomes more desirable. Each phase of life comes with a rule book, breaking the rules is a sort of tasting freedom. Hacking the rules without getting caught is extraordinarily alluring. Freedom from restrictions is always tempting.

You may possess plenty that other craves, but your heart desires the one thing that you cannot have. Eyes search the one who is out of bounds and thoughts glide to whatever is not allowed. Drunken shouts

on roads, being artistic while driving, smoking as like disappearing in the smoke make the juveniles feel different. They eagerly open the box of "forbiddens" that come in attractive wrappers and start trying each. Sometimes, they are not able to see the "danger or precautions" in the gleam of excitement. They feel that they are old enough to ignore the weight of rules and directions and can fly higher. The fly can be a milestone if the person knows to flap the wings righteously to balance the force of buoyancy by air otherwise it may be perilous. In the rush for adventure and freedom, sometimes we get the unattainable things or sometimes we get those that should not be attained.

So, should you resist the charms of the forbidden or unwrap it at times? Well curiosity is like hunger that aches the stomach until it is not satisfied. Every so

often going for the forbidden gives a sharper understanding of who we are and what we can allow ourselves. And at times, the forbidden becomes a crushing disappointment and an everlasting regret. Not everything that is restricted leads to increased desire. Illegal activities should be strictly denied. Doable things can be executed tactfully by calculating all the risks and results. Eventually exploration and evolution are inherent part of human survival.

Thus the choice is always yours!

**-Seema Bharti
Mining Engineering
6th Sem**





THE ART OF MAKING QUICK DECISIONS

We live in the Era, where time matters a lot and all the things you have decided to do in future, should be in action quickly because competition in most fields rises vigorously . If you have decided on something and have made plans, then implement them without wasting much time to keep up in the process of your success. But we all have heard that "Haste makes Waste" , so the biggest question is how we make quick decisions and effective ones in a short span of time.

People make decisions based on their knowledge, experience and understanding or they may prefer asking advice from another person based on their knowledge and experience. This is where some people may get stuck as they decide not to go on with that advice. So, one should know how to decide on their own life. One cannot entirely give the power of decision making of their life to someone else.

Gather information regarding your goal and come up with all possibilities. Make 'Best case' and 'Worst case' plans accordingly. If you prepare for best as well as worst cases , a green signal ignites inside you. This is called "Risk Management". If you can manage risks along the way, you would be able to enjoy your journey towards your goal as well. Planning for the worst case scenarios with an optimistic outlook is necessary.

Action must be taken by seeing both sides of your decision and all this may take time to understand and apply in your life, but once you understand , then your decision making ability is so agile that you can't imagine. Like it takes time to understand physics equations and later when you understand them, then difficult questions can also get easily solved by using those fundamental equations .Very few can apply this fundamental of quick decision making in their life. Some might see only the worst case and cry, or only the best case and act blindly getting charged up. They may feel like they are extraordinary but actually they are acting only on the basis of knowledge from a single side. They think that they planned everything and there is zero percentage of failure. One should be mentally , physically and economically prepared for their decision. It might take years of time to succeed but if you have followed all the process then you definitely won't regret your decision in future.



- Levesh Raj Dhruw
Mechanical Engineering
1st Sem





PLETHORA OF P I X E L S

As I sat at my computer, the tears flowing down my face articulated my incomprehensive thoughts into words that unlocked a bewildering mess of emotions within me. Emotions, my soon-to-be ex-best friend would be unable to decipher. Go ahead, ask me why. It's because they were all an alternatively arranged set of ones and zeroes.

Little had I known that two sets of numbers, a dot and a dash would have had the power to uproot a long sustained friendship. Sorry, but this is not going to be my poorly versed sob story because what the internet took, I readily gave.

The internet is not called the web without a good reason. It is a web spun from lies, entrapping lives that dare to come across it. Social media networking sites make you an actor better than Di Caprio. Put two computer screens between people, and I promise you that they'd lie with conviction strong enough to make you believe in the Tooth Fairy. Social networking sites are the inception to all deception.

Let me cite some examples to help my cause;

“It's been an hour since I've uploaded this new pic of mine and only two likes?!! This is so depressing! I'm so worthless. No one likes me....”

So begins the journey of inferiority complex.

“O.M.G! Did she just like his Profile Picture!? This relationship is so not working out!”

Talk about hyperbole.

Do we realize what we are doing? We're letting something unreal and virtual destroy something that's tangible and existential. Let's not allow a plethora of pixels to define who we are and what we become.

-Ayush Mandal
Metallurgical and Materials Engineering
6th Sem



SOLACE

I always wonder what it would feel like to find solace in something, or can someone really find solace in anything out of the many distractive things around us?

I think solace isn't something that you look for; it's rather something that finds you, only if you're ready to surrender yourself to it. I've always been a witness to some songs, books, and movies consuming me, encompassing me with a whole new world, and taking me away to a parallel but serene universe. But this getaway shouldn't be confused with an 'ultimate' escape.

And it's always wise to surrender oneself to solace in lieu of insecurities. It's time we embrace the fact that we aren't supposed to suffer, that accusing ourselves of our fates will only cause our mental health to crumble.

Dwelling in your desolation won't help much. They say, sometimes you've got to get sick before feeling better. So let thyself grieve; only then you'll be able to assuage that grief. When we let go of that compulsiveness to suffering, we'll be able to find solace in something.

“How do we take what hurts most? Take the darkness and turn it into light? I think the answer is we love each other.” Finding solace in a person can be the easiest and the most difficult thing to do. Letting ourselves be vulnerable in front of anyone can be difficult, but once that line is crossed, it becomes one of the best and easiest ways to find solace. After all, when we loose our grip, we slip into the masterpiece.

The pandemic has had a huge toll on our mental health. And it has also forced most of us to do better because while your life might be on hold, someone else might be working their way through the pandemic in a so-called better way. But it's okay to be on hold for the time being, to pull yourself from these exigent times, and to find solace in something that gives you hope and a reason to love life even more.

“Every day we become the balance of our choices-choices between love and fear, belief or despair.” Let's choose what we love doing, things that can bring us solace.

-Ujjwal Likhar
Metallurgical and Materials Engineering
4th Sem





THINGS THAT MATTER

It is only until you get one that you begin aiming for another. Things that matter, never really exercise the notion of constancy. It is quite interesting to observe how human priorities change over time. Some as a culmination of successful efforts while others as a result of years of unrelenting but regrettable attempts. Our brain leaves no effort to find every single possible way of making our life a smooth-going and fulfilling one. There is practically no room for mistakes, zero margins for error. Well, that's what the culture says? No, that's how we perceive what the culture says. Someone, I suppose, has failed to remind us that there is glory in failing too, and no matter how harsh and illogical has life been so far, if you know the things that matter to you, you go for it. You keep trying until you reach a point where your mind tells you it's time to move on. Things that seem to be momentous today will soon turn out to fade into memories of the past, but the truth is, these things have and will always continue to matter.

There are far too many distractions, and there will be far more doubts. Your dreams, however, will be your constant companions, matched with your daily priorities. Learn the art of letting go. Let go of your anger, disappointments, and obsessing thoughts and make way for some self-worth and gratitude. You will not need to ponder much and act less in order to seek some clarity, but do it the other way round instead.

How do we get to the end of our lives with minimal regrets? We set aside lesser pursuits to seek lasting meaning and discover the joy of doing it every day unless, of course, you plan your next escape!

Rupanjyot Bardhan
Metallurgical and Materials Engineering
4th Sem





Why & How Of Book Reading

Whenever you watch a Ted talk of a person who has achieved many things in his/her life, majority of them have a common point that they've read many books in their success journey so I used to think why should a person read a book? Answer of this comes somewhere in game of thrones web series where **Peter Dinklage** (playing as Tyrion Lannister) has a dialogue in which he said and I quote- "A mind needs books as a sword needs a whetstone, if it is to keep its edge"

So many people follow the idea of reading a book and start reading a book without bothering with the type of the book they're reading. There is a possibility that they might get bored. Here comes the question which might have jingled in your mind right now. What type of book should I read? Answer is obvious, it depends upon your own understanding. This means that if you select a book whose writer has written about a particular idea/thing which you don't understand at all, that's the book you should read because this book will definitely help you understand that topic.

Another point which should be noted is that the author whose book you're going to read has a better understanding of that idea/topic than you. Then only you can learn new things and can be enlightened.

But right now after reading the points mentioned above you might be thinking how you'll be able to understand each and every topic of the book. So here are three simple steps you should follow in your book reading journey-

- If you're not getting an idea of any chapter at all, you should read that chapter fully without skipping anything and don't bother so much. Now you've read a chapter once and now go through the internet or a dictionary to understand a particular word's meaning. Now start reading it again, in 2nd time reading you'll get surprised that you're now getting the majority of the topic. (Do it again if you don't understand a topic or ask for help)
- Make this book your own & treat this book as your personal belonging. Use a marker or a pencil for underlining good points and think about what the writer has made. Any contradiction made by the writer or any fact, mark that part too. Write a question if you need to ask, try to answer that answer by yourself it'll definitely elevate your level of understanding.
- After 2-3 month of reading the book, revisit the pages of the book in which you've made any mark or underline by doing that you'll come to know that you've mastered that book and topic/idea. (Do the same for any book including the PDF)

Happy reading!

Kamalkant Mishra
Electrical Engineering
8th Sem



STRING OF PEARLS



A Love That Never Dies

There was that crowded place
She crawled around looking for her favorite face
Suddenly she smiled and took a pause
There her mother was.
From alphabets to numbers
And shapes to colors
Her mother taught her all those days
Standing by her in every phase.
School was over and it was time to move on
Away from her mother, she was now gone
Her mother had taught her to be strong
But how could she live without her for so long?
There were those days when life got a little messed
Moments when she needed some rest
A call from her mother seemed to make everything clear
'Life is hard but there is no need to fear.'
And hence two decades went by
And now she was some thirty-five
Happy she was still when told by others
That her face resembles her mother's.
All of a sudden there was a sigh
When she realized that in another city miles away
Her mother too was growing old
And she couldn't even put the time on hold.

Prashansa Dhole
Chemical Engineering
1st Sem



IN THE SILENCE OF THE NIGHT

Alone and desolate, I walked on the lone night street,
Thinking of the decision that led up to it.
Evaluating the choices that I took along the path,
Some that I made, and some that were made on my behalf.

The sickening silence was overwhelming,
With nothing to hear but your own humming.
The future was unknown and the present unbearing,
And worst of all, a mind unmoving.

The dark night sky reflected on me,
Like it was saying, there is something left to be,
But the tiring state that I was in,
Made it clear any such chances were slim .

Suddenly, the east light struck!
Telling me there comes dawn after dusk!
Even though life gets tougher daily,
Things will get better, slowly and eventually.

Pramil Kesarwani
Electronics and Communication Engineering
4th sem



A Part of ME



I see him lurking in the shadows near me,
His silhouette faint in the darkness,
He has an unearthly smile on him,
And an aura of madness shrouds him.

I look closer and I see myself in him,
He's my other half, a part of me,
His eyes reflect his passion for chaos,
Inviting me to be a part of his team again.

Oh! the things we have done together,
It would make you cringe, and run away,
You wouldn't believe the hellish moments
That we have shared in the past.

I would be lying if I said I didn't enjoy them,
Oh yes!! I lived for those moments of joy,
Relishing and ravishing in the wretched,
And now he has set his eyes on me.

He's back from the pit I had cast him in,
He has clawed his way out and tracked me down,
I see him and he sees me,
And allures me with his innocent smile.

I have trodden on the path of right far too long,
I have been put back together far too many times,
It's time to let things go and live a life of my own,
To get lost in its ravaging uncertainties.

I greet him as my old friend, he responds in kind,
And off we go rambling in the deep pockets of my mind.



-Chandan Roul
Chemical Engineering
4th Sem

Adapting to Adversities

Experiencing a journey, prospecting a future,
A boy keeps trying to render his best;
But among his persistent desires of a unique stature,
Always peeks a longing to revel with the rest;

His prospects spontaneously lead him to a plan,
An arduous plan veiled over by a conception of being straight,
And the word 'straight' veiled over by the word 'simple',
Which fantasises the boy to change his fate.

Enjoying the journey he keeps sweating hard,
Head high with hopes of a day full of great fate;
This all makes him an achiever without any retard,
And so the plan gets induced in his trait.

Then his life evokes him to read the verse of verdict,
And he reads his passion and desire, clear and loud;
Life comprehends him and grants him destination and credit,
And grants him satisfaction by highlighting him in the crowd.

Gradually, as the haze of praise cleared,
He sees a turn in his life's path from this smoke-like destination;
A known turn, which he always denied and feared,
A turn that demanded his past as salvation.

It's now that he took a breath and rested for a moment;
He ceased his run to analyse and think;
Musing that "Were the praises more of a torment?"
That pounced his past within a single blink.

It's no lie that each longing longs a valorous value,
As infesting our deepest desires demands rendering;
But unknown to this, clasping a narrower view,
The frustrated boy sustains pondering.

Then he drags himself in his novel career, the one "after-turn",
Failing, trailing and snailing rather than sailing;
All the memories of the fore-turn phase making him burn,
And his lost past leading him to the light-less path of wailing.

Then, the needles of the clock rotate a few several times,
Granting him an ample amount of time to contemplate;
He keeps scrounging the time when he was in his primes,
When he realises his mistake, which was veiled till that date.

He realises that his present is the dream of his past,
His 'present' is the delightful excerpt of his 'past' wish lists,
"After achieving and ascending, do I possess these complaints only as last?
Albeit the past is gone, life's still full of futuristic twists."

He realises that past is a thing to learn from and to let go from the heart;
As it's futile to expect to behold the bright light of the sun of 'future',
If one isn't ready for the memorable night of the 'past' to depart;
Thus, he realises that 'past' is a memory to cherish and not a burden to endure.

'Past' is a tutor, 'present' is home and 'future' is a destination;
Life is a fluent river always providing us with two ferries,
One for sailing for future's expectations and another for trailing in past's notation,
And the choices rest with us, either to enjoy or to suffer as life varies.

Life alters, time alters and with all these, we may even falter,
But a realisation must always prevail,
That the best plan is to be resilient and transient as water,
As only adaptability could aid us to surmount time's gale.

Sometimes we may lapse to listen to ourselves, amidst the world's loud voices,
Even the best choices could be mistakenly left unchosen in this decisive fight,
But it's not always about making the right choices,
Rather, sometimes it's about making your chosen choice right.

-Abhisht Pandey,
Electrical Engineering
4th Sem



BE A WARRIOR OF YOUR LIFE



Lined up with struggles,
Screwed up with failures,
Tired of being refused,
It's just a phase of life folks!

Take a deep breath
Make a new start
Tag a cute smile
Move out with confidence.



Life is always like a coin
Having two phases of worst and best
Do not let the fear decide what you are
Hang on to the hope, success is not so far.

No matter how unfair life seems,
Be a survivor of the unfairness.
No matter what life throws your way,
Be a warrior of your life.

- Paila Likhitha
Electrical Engineering
4th Sem



Nature's Echo

My home.
It felt like those mountains were slowly moving.
The serene environment.
Sun gleaming and peeking through the valley.
While my eyes excitedly absorbed,
Everything that was there, in the endless space.

The beauty of nature made my heart flutter.
My heart...it raced so fast,
When I saw the clouds,
Moving in a parade,
Painting the blue with white and grays.

Can I ever forget?
Those chirps and the flowing breeze,
The squirrels on the tree.
The green and azure,
Like a masterpiece created by the Almighty.

And then I went,
To the city of my dreams.
They sure instilled wonder,
The pictures of them.
But never was I told,
About the noise, the smoggy weather.
The dirty drains, the foul smell.
Where was that picturesque lane?
Nowhere I found, a shelter to hide,
In the screaming rains.
Rain, was it?
Or was it acid pouring down?

Entry fee for the park,
One thousand per person.
Natural they said,
But I had seen it all,
Free of cost.



- Sugandha Verma
Electronics and Communication Engineering
6th sem

THE SMALL WORLD INSIDE YOU

Ever wondered how the world is so beautiful,
Ain't it optimistic, pinning up the hopes in you.
Oh no! not the one which you see with your eyes open,
But conversing about the one which exists within you.

Whenever the big world leaves you behind all alone,
Glance and explore the small world inside you.

A potent voice blows in your mind roaring,
“Look, I am here with all my trust and faith in you.

Exert your full strength and conquer life.
Stretch your arms and fly as high as much you can.”

Ah! You did it. The big world applauds,
The once which dabbed your back vanishes,
Leaving behind a spark in you....



ANANYA TIWARI
Chemical Engineering
3rd Sem

Final Year of Engineering

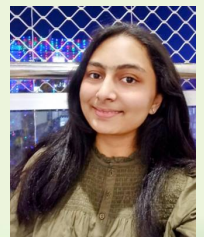
No doubt, you all must agree,
Final year is not like previous three,
There is something special about this year,
It is full of preparation, excitement as well as a lot of fear,
Some are so determined but some are very unclear,
Some are taking a lot of tension but some are full of cheer,
One unforgettable moment-placement fever is also here,
Back to back tests, interviews and discussions with peer,
Some get placed and some even get dream job very fast,
But, some without losing any hope try hard and hard till last,
Apart from placement, some opt for higher studies,
Whereas some are busy in exploring innovative business ideas,
Some are inclined to government jobs and civil services,
Whereas some want a job in top MNC companies,
Final year is more like an MCQ having multiple correct choices,
There are many roads but you must always go for your inner voices,
Like every movie has a starting and an ending as well,
Final year is also a high time to say goodbye and bid farewell,
It is a time to change from student to alumnus of alma-mater,
But, all these four years of engineering will be your nostalgia forever.

Raja Babu
Electrical Engineering
8th Sem



Go Green Stay Evergreen

I had a dream last night,
In which my surroundings were beautiful and bright,
There were forest covers and low bushes,
And moors populated with crocuses.
The greenery was as beautiful as it had never been,
Oh my goodness, it was such an enthralling scene!
I wished that my dream was true,
But between the beauty of reality and dream,
I thought there was nothing to argue.
My dream made me fly,
With the saps in the beauty of greenery in a blanket called sky,
It filled my wondering eyes with glitter,
And ensured eternity for the cleaning of litter.
I wish that the green covers be,
The most attractive feature of Earth for humans to see,
Be intellectual to dust away anxiety,
For the development of a nation amongst the top ten,
Clean up your environment to please the angels to step out of heaven.



-Arshi Khan
Metallurgical and Mining Engineering
1st Sem



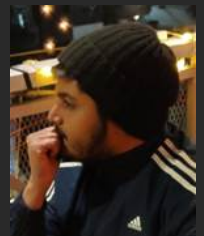
The Swing

There is a hapless swing hanging still,
At a corner of the deserted City Park,
Carrying the wear of its age and dust,
In silence, it mourns its illustrious past.

Back in the day when times were great,
The swing, colored in bright crimson red,
Shone in the smiles of the children,
Who played all day out in the scorching sun.

When it got a little dark and cold around sunset,
The visitors turned older and often strange,
Most turned up in pairs with mischief or smoke,
While few came alone; sad, hopeless and broke.

After nine, when all the gates closed,
And the park was void of human presence,
The swing swayed in the mysterious winds,
By lost spirits reaching for the heavens.



- Aryan Sarkar
IT
8th sem

Melody Divine

The mesmerizing melody reached my ears,
and took away from me, my darkest fears.
So beautiful a voice could belong to none but god,
for no mortal could, such music afford.

Conquering the impregnable sky,
piercing the ceaseless ocean depths,
listening to which, one couldn't help but cry,
listening to which I wept.

A concoction of sentiments ran through me,
and i stood there spellbound.
I felt as though I was floating in the air,
pure bliss, that day I found.

The deepest recesses of my soul,
were unfolded and spread around.
The mind and body went into a trance,
oh! the hypnotics of the sound!

And then when reality dawned on me,
I knew I had to move on.
A thousand steps, a thousand miles.
Into the dreadful night.
Into the dreadful night.



-Samyak Das
Civil Engineering
1st Sem,



The Butterfly

You can't be born a butterfly.
No one is born with wings.
You can't ever expect to fly.
Without learning how to battle against the wind.
You can't even begin to grow.
Without dissolving your skin.
So that you can metamorphose.
To become what you were intended to be,
You were sent as your true self.
Not just to creep along this physical plain.
But to be reborn in your lustrous glow.
Devoid of all signs.
Waiting to open its wings.
So that it can carry all the light.
To all those who feel their inner butterflies spring.



Mina Khan
MCA,
1st Sem



Life

Life; Oh! What a journey it is,
Full of ups and downs, hits and misses.
Sometimes regretted, sometimes cherished,
Sometimes too long, sometimes very diminished.

Full of obstacles and incomplete without struggle,
With moments to enjoy and happiness to double.
A chance it is to learn, improve and grow,
Too precious and valued to be tossed away or thrown.

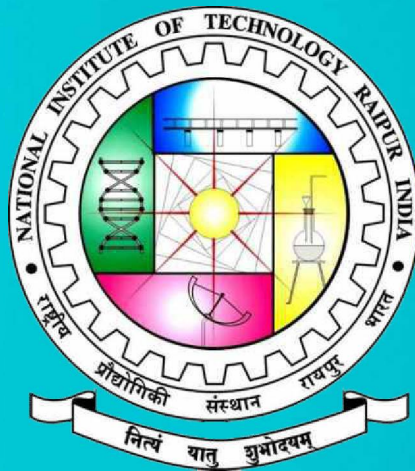
With the bitterness of failures and the sweetness of successes,
An opportunity to explore the talent one possesses.
It may not start with an awful lot,
Yet, a chance to end up with more than one has got.

You are responsible for your life, be it joyous, or has got you bored,
It's a true blessing and you yourself are to blame if you leave it unexplored.
It's how you use the time you get, not the amount of it you spend,
After all, everyone doesn't have the same sweet start, but eventually one bitter end.

Be grateful for what you have, and work towards what you need,
And you'll live a life so satisfying, never falling at the hands of greed.
Make wonderful memories and moments everlasting,
And life will happily answer all the questions you're asking.



- Manthan Ghodeswar
1st Sem,
Biomedical Engineering



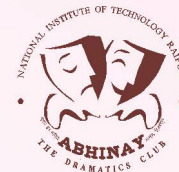
Clubs and Committees

REPORTS



ABHINAY

THE DRAMATICS CLUB



Unkahi 13.0

NIT students showcase artistic skills in open mic session



NIT, Raipur students participating a mic session.

Abhinay - The Dramatics Club organized an open session named Unkahi 13.0 on 2 May 2021 to bring the artist inside of a student in front of everyone. Unkahi 13.0 was organized in online mode for a

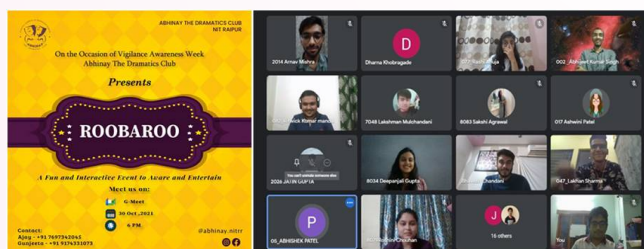
period of one and a half hours. There were a total of 16 performers who showcased their talent in mainly four forms: storytelling, poetry, singing, and stand-up comedy.

Vigilance Awareness Week

Abhivyakti

To mark the Vigilance Awareness Week, Abhinay-The Dramatics Club organized the competition 'Abhivyakti'. Participants showcased their talent of mono-acting and storytelling through videos supporting the theme "Independent India @ 75: Self Reliance with Integrity". The prize for popularity on social media was won by Sugandha Gupta, IIT Roorkee while the first, second, and third prize for the "Jury Award" was won by Raheena Bin Mohammed of NIT Agartala, Ajay Singh of JC Bose UST Faridabad, and Tanushree Pahari of NIT Raipur respectively.

Roobaroo



Abhinay - The Dramatics Club organized an interactive and fun-filled online event "Roobaroo" on the occasion of Vigilance Awareness Week observed from October 26 to November 1 2021, with the theme "Independent India @ 75: Self Reliance with Integrity". In an entertaining yet disseminating game of dumb charades, various teams portrayed movies like Uri, Parmanu, Gold, and Mission Mangal that showcased India's momentous achievements and morals of gender equality, women empowerment, caste discrimination as well as increasing prominence of our country in the field of science and space. Songs like Ashayein and Hain Junoon in melodious voices along with poems by great persons filled the atmosphere with serenity and exhilaration. The event was successful in generating awareness about the ill effects of corruption as well as strengthening people's commitment to transparency and probity in public life through citizen participation. It also emphasized that corruption has been one of the major obstacles to the economic, political, and social advancement of the country.

Oath Taking Ceremony

Vigilance awareness week was wrapped by the oath-taking ceremony on 1st November 2021 with an aim to eradicate and fight against corruption. The participants pledged to follow the law and act in an honest and transparent manner which supports public interest and helps in the fight against corruption. The results were also announced for the competition "Abhivyakti" organized by Abhinay - The Dramatics Club of National Institute of Technology Raipur.



Monodrama Contest

Two teams from National Institute of Technology Raipur secured 1st and 3rd rank in the national level monodrama competition organized by Aaina India in Association with HarperCollins India, Eternal Mewar, and Centre of Indic Studies to commemorate 75 years of Independence of the nation. The theme of the monodrama was 'Gems of Indian Freedom Struggle'. A total of 9 teams from Abhinay - The Dramatics Club took part.



Gaurav Raj performed character of Bhagat Singh during the monodrama competition.

The winning team enacted legendary Telugu Freedom Fighter Uyyalawada Narasimha Reddy, which was starred by Sydala Anjaneya Pratap and written by Shreyash Amrutham. The second runner-up team enacted Bhagat Singh whose character was played by Gaurav Raj and the writer was Harshita Rajput.

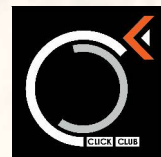
Pink Gasht

Telibandha Police, Raipur along with National Institute of Technology Raipur organized a street play on 'Pink Gusht' (Pink Patrolling). The street play was performed by



Abhinay - The Dramatics Club. The objective of the street play was to spread awareness among women about crimes to bridge the gap between police and the community. The play was first performed at Kashiram Nagar within the limits of Telibandha police station and later performed near Magneto Mall, Raipur. The police urged women to learn self-defense techniques so that they could deal with an emergency-like condition and not to trust anyone blindly.

CLICK CLUB



ABOUT THE CLUB

Click club is the photography club of NIT Raipur. It is a platform for beginners and photography enthusiasts to interact, learn, motivate and nurture their photography skills. It started with the motto of covering all the happenings and activities of the college. Gradually, the club has evolved in all aspects, and today, being the most active club of NITRR, it organises a plethora of competitions, workshops, and photo exhibitions to promote the art of photography among youth.

Our motto: I dream. I frame. I live. I click

ANNUAL PHOTOGRAPHY WORKSHOP

The club organised the Annual Photography Workshop in the online mode under the supervision of Dr. S Sanyal. The 2 day workshop covered a wide range of topics regarding Basic Camera Handling, Rules of Composition, and Photo Editing through Lightroom and Photoshop. The guest session of the workshop was delivered by Vogue Italia and Collateral featured photographer Mr. Rahul Ganekar, who covered the session about mobile photography and professional photography through it.

PHOTOGRAPHY COMPETITIONS AND WORKSHOP

The club has organised various photography competitions throughout the year on social media platforms.

SNAP TRIP- Travel Photography Competition

The club organised a travel-genre-based photography competition on the D2C platform, where the participants were required to submit one photograph of the travel genre and the winning entries were displayed on the Instagram page of the club, and winners were awarded with exciting goodies.

FRAME OF TONES- WORKSHOP +Photo Editing Competition

The club organised a photo editing workshop where all the aspects of post-processing a picture through Lightroom and Photoshop were discussed. Following it, a post-processing-based competition on the D2C platform was organised, where the participants had to edit and submit the picture provided by the club, and the participants were judged on the basis of Tones, colours, and Fine Tuning. Winners were awarded with exciting prizes.

QUIZ COMPETITION

Think Click-tical

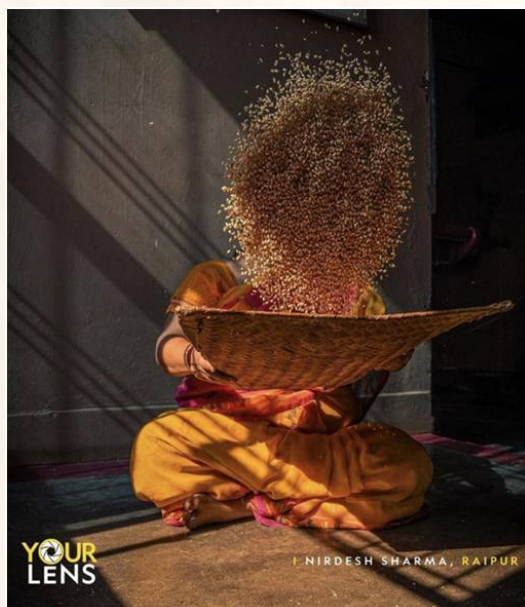
The club organised a photography-based quiz competition. The competition was conducted in two rounds. The first round was conducted on the D2C platform, and the second round was conducted on Google meet. Winners were awarded with exciting prizes.

WORKSHOPS

The club started with a series of workshops- Learn with Click where various professional photographers delivered session covering various genres and skills related to photography, like Portrait Photography session delivered by Mr. Rishab Joshi and the basics of Long Exposure photography delivered by Mr. Nitish Agrawal. The session was a huge success.

ACHIEVEMENTS

One of the photographs taken by the member of the club, Nirdesh Sharma was featured on the social media handle of National Geographic.



i-talk

Innovation Cell, Nitrr conducted an i-talk session on "Being Solution-Oriented: A Guide to the Entrepreneurial Mindset".

The speaker for this session is a Final year B.Sc student and the CEO of Spaceonova, A Space education Company. Space projects and startups are indeed a great way to explore, to start these one needs to have commitment and willingness to work.

This session was held on 24th January 2021.

Something not so common

Something not so common is an event where students were allowed to think out of the box and showcase their unusual talent. The participants submitted various different ideas and were judged on the basis of their creativity and innovativeness.

This event took place in the month of February and March 2021.

Logo designing competition

Innovation and Entrepreneurship cell organised a logo designing competition in the month of July 2021 where students were given an opportunity to bring out their designing skills.

Logo designing is an art that communicates to people with no prior knowledge and creates a strong impression of creativity. Logo designing adds value faster than it adds to cost.



ENTREPRENEURSHIP CELL



The E-Cell and I-Cell jointly organized a series of webinars during May 2020. The first interactive webinar was '*Nuances of Startup Business*' held on 3rd May which was delivered by Mr. M. L. Baharani. He is an esteemed alumnus of NIT Raipur and specializes in metallurgical and power sectors. He discussed the different aspects of start-up culture.

The second interactive webinar on *Romance with Risks* was held on 5th May which was delivered by Mr. A. Telang. He is also an esteemed alumnus of NIT Raipur and specializes in Materials, Production, and Publicity affairs. Risk management in start-ups was discussed in this session.

E-Cell and I-Cell, NIT Raipur jointly conducted a webinar on *Artificial Intelligence against COVID-19* on 24th April. The keynote speaker of this webinar was Mr. A. Deshpande, CEO, Rises Analytics Solutions, is an esteemed alumnus of our institution. The possibilities of Artificial intelligence (AI) being used as a tool to support the fight against the viral pandemic that has affected the entire world since the beginning of 2020 were discussed.

E-cell, NIT Raipur has launched an Open Source Project on 26th July where experts can put their coding skills to test and join hands with the best coders from various fields. The idea of open-source projects seemed to be of quiet significance, as even the students with no prior experience in working with open source gave their honest participation and learned about open source programming and with their cumulative efforts gained some major practical experience in this domain.



NIT RAIPUR MOTOSPORTS

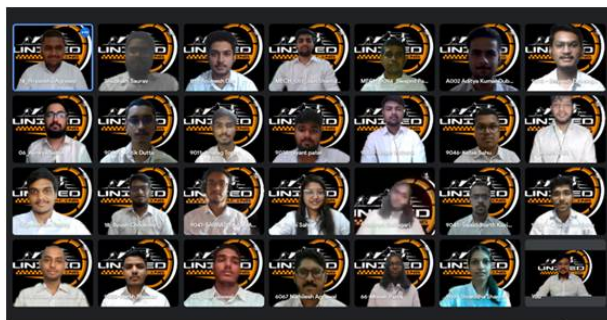
NIT Raipur Motosports is a student organization comprising of moto enthusiasts who take part in various competitions since its inception in 2010. The organization has been a pioneer in the development and deployment of innovative technologies in competitions taking place across the Indian automotive sector. Over the past few years, constant growth has been the motto of our club. We have seen the teams attaining a self-sustainable stand by transferring the knowledge obtained year by year. The following are the various involvements of the Motosports Club with the students throughout the Year:



NITRR Motosports Orientation Workshop (MARCH 2021)

For any automobile enthusiast or engineer, the primary step is to get acquainted with this world and develop a critical thinking attitude towards the subject. For the same purpose, the club organized a detailed orientation workshop where all the newly admitted enthusiasts were invited. Dr. VK Gaba, Faculty in charge of Team United Racing addressed the workshop. The guest speakers invited were alumni of the club who have contributed to the automobile industry for years. 100+ students actively participated, clarified their thoughts and perceptions about the club & automobiles in general. The session was hosted by experienced club members who had participated in various competitions like SAE-SUPRA, SAE-BAJA and Formula Bharat.

Formula Bharat 2021



Formula Bharat is a competition organized by Curiosum Tech Private Limited for designing a student formula vehicle. A team comprising of 29 members from the club participated in the competition held through virtual mode. The event promotes our key skills, critical thinking and helps in solving various difficulties faced during designing the vehicle. Our team "Team United Racing" secured an overall rank of 15th in the national level competition. Dr. VK Gaba as the faculty advisor supported and guided us throughout the event.

SAE – E BAJA 2021

SAE-E Baja, E-Baja is an Electric All-Terrain Vehicle Development competition organized by Mahindra and SAE India. A team of 28 members from the club participated in this national event which was held through Virtual Mode. The event promotes vigorous design and critical thinking skills employed to arrive at a robust design for the vehicle. Faculty In-charge Dr. Shailesh Vaidya provided us with the essential guidance throughout the journey of designing the vehicle.



The Event also helped students in learning Industry Leading Automotive Testing Simulation Softwares such as IPG Carmaker, etc.

The Literati - Literature Committee



Literati, the Literary Committee of National Institute of Technology, Raipur is the Literary committee of NIT Raipur. With the vision to develop and hone not only the literary skills of students but also instill in them an analytical and creative sense of thinking, Literati functions not just for avid readers and writers, but for all students eager to learn. It is a club made of and made for all people who love literature and have a knack for exploring their interests and thoughts on the same with others.

Literati remained highly active on the social media front by posting weekly 'Word of the Day' posts which is a fun way to learn and improve one's vocabulary. These posts contain not only the word and its meaning but also its etymology, usage, additional details as well as pictures to capture one's imagination and to ensure a guaranteed impact on the reader's mind.



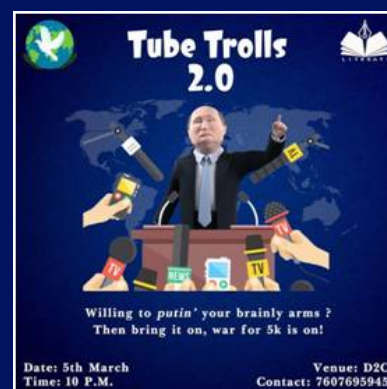
Literati organized an interactive debate session House of Rebuttals on 16th October 2021, on the social media platform Clubhouse, giving a chance to all students from the institute to participate and learn. The debate revolved around the topic - The significance and the practicality of Capital Punishment in today's world and was based on the Oxford style of debate.



Literati organized a fun quiz plus extemporé event - Conspiracy Triangles on 6th and 7th November 2021 which saw huge participation from many colleges across India. It was a fun and interesting event which revolved around the participant's knowledge about various conspiracy theories. The first round was a competitive online quiz round after which the second round was an extemporé where each participant had to speak on a given topic. The grand finale of the event was again an extemporé, but with interesting twists in how the participants were awarded points based on the factual correctness of their statements, fluency, and articulation.

Literati also organized Tube Trolls 2.0, a wholesome debate competition for the students of National Institute of Technology Raipur on 5th and 6th March 2022. This event revolved around the concept of television debates, where participants were assigned groups and each group was given a topic as well as personalities to mimic. The participants were judged not only on their views on the subject but also on how well they were able to do justice to the role allotted to them. The event was held in three rounds - a current affairs quiz followed by two rounds of debates.

Literati also handles the publishing of Shilpi, the annual college magazine, which showcases the creative side of the students of the institute in the form of articles and poems in both Hindi and English. It provides a platform for both faculties and students to put forth their ideas and viewpoints on many diverse topics.



SHAURYA



1. FREEDOM RUN

SHAURYA, the sports club of the National Institute of Technology (NIT) Raipur, celebrated National Sports Day with great enthusiasm. A virtual Freedom Run for the Students under the 'Azadi Ka Amrit Mahotsav'-Fit India Freedom Run 2.0 campaign was organized to commemorate the birth anniversary of Major Dhyan Chand, the legendary hockey player. Participants had to run a race from the convenience of their homes and share their photographs while doing so. Great enthusiasm was shown by participants.

The event was graced by Dean Student Welfare of NIT Raipur Dr. P Y Dhekne and organized under the guidance of Dr. Rajesh Doriya, Faculty In-Charge, Sports Nodal Officer, Fit India Movement, NIT Raipur.



YOGINOVA 2021

"Yoginova" the event was organized by Team Shaurya, NITRR on the occasion of International Yoga Day, 21st June 2021. The event was successful in achieving its aim to spread awareness about the importance of yoga in both the pandemic and the post-pandemic time. As Team Shaurya believes in "Yoga that inspires and innovates", the team presented the audience with some innovative yoga poses to inspire them to make yoga a part of their life. Students from different colleges have also participated in the event through the competition organized by the team to do the most innovative poses of yoga. Apart from that members of Shaurya esteemed professors from the yoga department presented an inspiring presentation showing the intricate relationship between life and yoga.



ENGINEER'S DAY TREASURE HUNT

Engineers day, 15th of September 2021 was celebrated by Shaurya by organizing a huge money heist-themed treasure hunt. It was a dynamic quiz-type treasure hunt. The fun competition was organized for the entertainment and interaction of students. Explosive participation from students of all branches and the high standards set by quiz masters meant a successful event. Participants were puzzled by questions from various fares of life ranging from Bollywood to maths. Innovative ways of giving answers were also a part of the quiz. Some questions had the students searching for the answers even on social media platforms. The event was meant to reignite the spark among the students who have been home for almost 2 years and that's what it did.

INTERACT : THE QUIZ CLUB



- **The MELA Quiz** [2nd October 2021 (Prelims), 10th October 2021 (Finals)]

The MELA Quiz was a national-level online quiz competition. This was the very first edition of the quiz and was open for people of all ages and professions. The event was conducted online on the Dare2Compete platform (Prelims) and Zoom (Finals). The genre of this quiz was MELA (Music, Entertainment, Literature & Entertainment). The aim was to give a knowledge check to the inquisitive minds attending the quiz on popular subjects of interest, passion, and hobby. There was brilliant participation of ~1600 teams in The MELA Quiz and after highly competitive prelims, top 6 teams made it to the finals. The Finals had some more fiercer, trickier, and wittier questions. After an intense and exhilarating quizzing action among our 6 fervent and enthusiastic finalists, winners were announced and were presented with prizes.

Winner:

Preetham Upadhyay (SJSOM, IIT Bombay)

First Runner Up

Sanjeeb Nath (NIT Raipur)

Second Runner Ups

Shantanu Sharma, Abhijit Bhalachandra (IIT Gandhinagar)

- **The Techonomic Quotient 9.0** [4th December 2021 (Prelims), 5th December 2021 (Semifinals), 6th December 2021 (Finals)]

The Techonomic Quotient 9.0 was the 9th edition of the annual TTQ quiz conducted by Interact Club. It was a national-level online quiz competition and was open for people of all ages and professions. The event was conducted online on the Dare2Compete platform (Prelims) and Zoom (Semifinals and Finals). This quiz was based on technology, business, and general knowledge. There was great participation of ~1000 teams in the quiz and after highly competitive prelims, the top 18 teams made it to the Semifinals. In the Semifinals, teams were divided into 3 slots and the top two performers from each slot made it to the final round. The Finals had some fiercer, trickier, and wittier questions. After an intense and exhilarating quizzing action among our 6 fervent and enthusiastic finalists, winners were announced and were presented with prizes.

Winners -

Shantanu Sharma, Shashank Tyagi (IIT Ahmedabad)

First Runner Ups

Preetham Upadhyay (SJSOM, IIT Bombay)

Second Runner Ups

Raktim Nag, Beddyas Datta (Tree of Knowledge)

- **Induction Programme:**

Under the induction program which is conducted by the institute for freshers every year, we provided the students a brief about the club, an introduction to the world of quizzing, and also gave them the idea of the type of questions we ask in our events. We even conducted a short "Induction Quiz" for each branch which was conducted on online platforms, for giving them a brief about the flamboyant quizzing culture and the quizzing community of NIT Raipur. During the quizzes, students from all the branches gave us majestic responses and showed their interest to join the club in the future. Our aim was to make them familiar with the club and give a knowledge check to the inquisitive minds of freshers joining our institute in the current year.

Moreover, The Interact club has continued focusing on enlightenment through interaction even in these catastrophic situations via online mode throughout the year. It has given the students a chance to test their knowledge in various domains by regularly conducting online quizzes throughout the year. Efforts for the same are made every single day. The club conducts QOTD (question of the day) every day at 10 PM on the official Facebook group to encourage even non-quizzers to try their hands on quizzing and help him/her take a step forward each day. Also, the footfall is getting larger day by day and making us proud.

- **i-Quest 9.0** (tentatively at the last week of February)

We are planning to conduct **i-Quest 9.0** in the month of February in online mode. The questions will be so framed to make the students think laterally and explore their own potential through our event.

RAAGA

The Musical Club of NIT Raipur

Raaga, adhering to the prevailing conditions, organised it's annual music fest E-Shruti'21 online on March 14, 2021. The team, signifying the diversity of cultures and places, presented songs of different genres like Folk, Classical, Retro and many more. The participants from all over India, with their synchronized efforts and love for music, redefined the evening and made it beautiful, and the event successful.

Raaga also organised MUSIC WEEK, on the occasion of World Music Day. Celebrating the diversity in a euphonious way, the team presented a song each from a different genre like Sufi, South Indian, Retro everyday for the entire week, making the week more wholesome, pleasant and musical.



ROBOTiX CLUB



About:

Technologies are gradually moving away from replacing manual labour and improving the efficiency of existing manufacturing and business processes. The idea that robots are everywhere, watching our every move may conjure up images of a dystopian future like the movies, but the reality is far from that. The field of Robotics has helped a lot in thriving and preserving humanity, as opposed to the commonly misunderstood notion of it taking control over humanity. As Covid-19 wages, robots have also gained visibility outside the manufacturing industry. We now see them at hospitals, airports, shopping centres, and supermarkets, supporting us in day-to-day tasks including cleaning, law enforcement, and customer service.

The ROBOTiX Club team believes that the future of work will most likely be where man and machines work hand in hand. Robots will help relieve tired nurses and cleaners, do basic cleaning and deliveries, maintain production lines for manufacturing companies, and with continuous developments being made in the field of Machine Learning, we can expect more intelligent robots for carrying out various activities. While artificial intelligence and social robotics will fundamentally change how work gets done and who does it, the technology's more significant impact will complement and augment mankind's capabilities instead of replacing them.

Our aim has always been to equip robotics enthusiasts with the right platform, guidance, and practical knowledge of the diverse field of robotics and to make them aware of the recent advancements in this field.

ROBOQUIZ - 2.0

On the occasion of Republic Day, ROBOTiX Club, NITRR presented another golden opportunity for the students to exhibit their cognitive ability, competency, and flair through an online multiple-round knockout quiz: ROBOQUIZ 2.0.

It was an online three-round global knockout quiz open

for all with no eligibility criteria for participation. The quiz tested the knowledge, competency, and technical skills of the participants in the field of Robotics and Mechatronics through several questions based on real-life problems. All three rounds (Prelims, Qualifier and Finals) of the quiz were conducted successfully with enormous participation from several colleges. The successful conduction of the event was made possible by the combined team efforts of the members of ROBOTiX Club.

The main aim behind this event was to encourage students to research and explore the underlying possibilities that this field has to offer for the future.

The Prelims and Qualifier Round were held on the D2C platform. The Final Round was held on Google Meet in which seven teams participated. The winner of Roboquiz 2.0 was Team BabluOP(IIT Allahabad), while Team Laconix(VNIT Nagpur) grabbed the runner-up position.

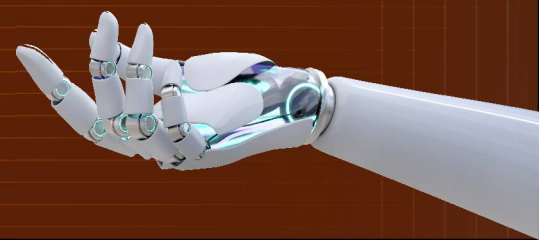
ONLINE TREASURE HUNT

Not all treasure's silver and gold, because in the field of robotics, one would search for the missing trails of unsolved algorithms, missing parts of a robot, or perhaps one may find a robot giving out a clue for the next part of a hunt.

ROBOTiX CLUB of NIT Raipur conducted Online Treasure Hunt, an online two-round global knockout quiz-cum-treasure hunt. Both rounds of the treasure hunt were completed successfully, with enormous participation from several colleges. The first round was conducted on the D2C platform.

In the Finals, a total of 25 teams participated; each team was given 6 pdfs on their registered e-mails ids. The 1st PDF contained a question; the answer to that question was the password of the 2nd PDF. The same went further till last. The first team to reach and solve the last pdf was given the first prize.

The winner of the Online Treasure Hunt was Aakash Das(IIT(ISM)Dhanbad), while Pranjay Like(VNIT Nagpur) grabbed the runner-up position



TEDx NIT Raipur

TEDx
NITRaipur
x = independently organized TED event

The **fifth** edition of **TEDxNITRaipur** was conducted on 28 February 2021. Due to the conditions created by the pandemic, the team had to find unique ways to organise the event. Thus, for the first time since the inception of the committee, the event was conducted online. **Battling numerous obstacles and despite all the limitations, TEDxNITRaipur strived hard to maintain its spirit and glam and successfully managed its first-ever online TEDx event.**

Promoting the theme of '**Warrior Within**', it aimed at encouraging the masses to peek into their souls and identify the warrior hidden in the depths of their character. The enlightening event witnessed a vibrant string of speakers who have carved a niche for themselves in their respective fields. Through the sheer hard work of the team, TEDxNITRaipur 5.0 was once again able to acquire seven extremely successful speakers - from different walks of life.

The event was inaugurated by **Dr. Sanjeev Das**, faculty in charge of TEDxNITRaipur. Thereafter, **Ms. Shreya Rao**, the first speaker, took over and went on to throw light on the battle of her emotions and how she emerged as the warrior. Initially an architect, she created history by emerging as the runner-up at the Miss India Contest 2018 and was crowned as Miss Multimedia and Goodness Ambassador.

Then, **Mr. O. P. Rawat**, who served as the 22nd Election Commissioner of India, inspired young minds to inculcate the concept of "Swasthya" in our lives. His experience and wisdom were a major addition to the event.

Next, the celebrated storyteller, **Mrs. Kena Shree**, created a magical illusion of words through her heartfelt stories. She has been a successful HR professional, a captivating author, and an influential TEDx speaker.

Thereafter, **Dr. Seema Gupta**, an ex-professor of IIM-Bangalore and a digital marketing expert, encouraged the folks to dream big and chase them to the very end. From being a blogger, a prolific writer, an influential speaker to a digital marketing consultant, she has excelled them all.

Later, **Mrs. Saumya Pandey** ignited a spark of inspiration through her struggle story. Ranking 4th in UPSC 2016, she is an IAS officer who's highly acclaimed for her dedication during the pandemic times.

An ex-IITian, **Nishit Sharma**, shares his story of how he ventured out to explore his passion through filmmaking, traveling, and lifestyle blogging. He has been featured in CNBC, Incredible India, and has worked as an aerial cinematographer for Harmony with none other than A.R Rahman.

The last speaker for the event was the child prodigy, **Ms. Vantika Agarwal**, a notable chess player who holds the title "Women International Master 2017". Her heartfelt words and honest experiences left a deep impression in the hearts of the audience. They were a perfect conclusion for the beautiful event.

With the power of **social media**, TEDxNITRaipur also served as the stage to give the thoughts a voice – **Sound of Silence**, an initiative to spread awareness about the hushed topics. Participants from all over reflected their inner voice through monologues, speeches, poems, story narrations, etc., and proved that despite being in the wake of a pandemic, we still have the spirit of fighting, the spirit of working for a good cause. After all, this spirit of humanity is what makes us humans. **With its valiant effects, the club has proved that a lockdown can never suppress the stage for a deserving thought.** The stage that has seen many inspirational figures was graced in this edition by speakers who have achieved great things in their fields.



राजभाषा समिति



इवेंट - 1 (हिंदी पखवाड़ा)

हिंदी दिवस के अवसर पर राजभाषा समिति द्वारा 14 सितंबर से 28 सितंबर तक हिंदी पखवाड़ा 2021 का आयोजन किया गया। यह कार्यक्रम छात्रों और शिक्षकों के लिए अलग-अलग आयोजित किया गया था। छात्र कार्यक्रम में दो प्रतियोगिताएं थीं- कविता लेखन प्रतियोगिता और कहानी लेखन प्रतियोगिता, जो 14 सितंबर से 28 सितंबर तक संपन्न हुई। यह कार्यक्रम केवल कोरोना को देखते हुए ऑनलाइन ही आयोजित किया गया था, और सभी छात्रों की प्रविष्टियां Google फॉर्म के माध्यम से एकत्र की गई थीं। छात्रों के आयोजन में, सभी भारतीय छात्रों को भाग लेने के लिए Google फॉर्म को हमारे सोशल मीडिया अकाउंट (यानी: - फेसबुक और इंस्टाग्राम पेज) और कुछ अलग तकनीकों के माध्यम से प्रसारित किया गया था। छात्र कार्यक्रम का मूल्यांकन सोशल मीडिया (फेसबुक और इंस्टाग्राम) पर प्राप्त लाइक, कमेंट्स और जूरी के निर्णय के आधार पर किया गया था।

फैकल्टी इवेंट में तीन प्रतियोगिताएं - I) कविता लेखन, II) निबंध लेखन, III) लघु कहानी लेखन, 25 सितंबर से 27 सितंबर तक आयोजित किया गया था। फैकल्टी इवेंट में 40 शिक्षकों ने भाग लिया एवं फैकल्टी इवेंट का डॉ. सपन मोहन सैनी सर द्वारा मूल्यांकन किया गया।

इवेंट - 2 (मातृभाषा महोत्सव'22)

राजभाषा समिति द्वारा "अंतर्राष्ट्रीय मातृभाषा दिवस" के अवसर पर 14 से 28 फरवरी 2022 तक "मातृभाषा महोत्सव'22" का आयोजन किया गया था। यह कार्यक्रम शिक्षक वर्ग और छात्र वर्ग के लिए एक साथ आयोजित किया गया था। समिति द्वारा "मातृभाषा महोत्सव'22" के उपलक्ष्य पर कुल 3 ऑनलाइन प्रतियोगिताओं का आयोजन किया गया था:-

- 1) कविता लेखन 2.0 - 14 फरवरी से 24 फरवरी 2022 तक।
- 2) पोस्टर बनाओ प्रतियोगिता - 22 फरवरी से 27 फरवरी 2022 तक।
- 3) प्रश्नोत्तरी प्रतियोगिता - 27 फरवरी एवं 28 फरवरी।

मातृभाषा महोत्सव'22 पर विभिन्न कार्यक्रमों का आयोजन समिति के प्रभारी (फैकल्टी इंचार्ज) डॉ. सपन मोहन सैनी सर के मार्गदर्शन में किया था। कोरोना को दृष्टिगत रखते हुए इन सभी कार्यक्रमों का आयोजन केवल ऑनलाइन रूप में ही किया गया था। इन सभी कार्यक्रमों का प्रसारण सम्पूर्ण

भारतवर्ष में समिति के सोशल मिडिया अकाउंट (जैसे:- फेसबुक और इंस्टाग्राम पृष्ठ), समिति के विभिन्न सदस्यों के द्वारा और कुछ अन्य तकनीकों के माध्यम से किया गया था, जिसमें देश के विभिन्न क्षेत्रों से अनेक हिन्दी प्रेमी भारतीय छात्र/छात्राओं और शिक्षकों ने बढ़-चढ़कर हिस्सा लिया और अपनी कला एवं प्रतिभा का प्रदर्शन किया।

"कविता लेखन 2.0" ऑनलाइन प्रतियोगिता का आयोजन 14 फरवरी से 24 फरवरी के मध्य किया गया था, जिसमें केवल स्वरचित और हिंदी-वादी रचनाओं को ही स्वीकृत किया गया। "पोस्टर बनाओ" ऑनलाइन प्रतियोगिता का आयोजन 22 फरवरी से 27 फरवरी के मध्य किया गया था, जिसमें केवल भारतीय संस्कृति और मातृभाषा से जुड़े हुए पोस्टरों को ही स्वीकृत किया गया था। इन दोनों प्रतियोगिताओं के सभी प्रतिभागियों की प्रविष्टियां गूगल फॉर्म के माध्यम से एकत्रित की गयी थीं। सभी प्रतिभागियों की स्वीकृत कविताओं और पोस्टरों को समिति द्वारा अपने सोशल मिडिया पृष्ठ पर प्रकाशित किया गया है।

"कविता लेखन 2.0" और "पोस्टर बनाओ" ऑनलाइन प्रतियोगिता का मूल्यांकन सोशल मीडिया (फेसबुक और इंस्टाग्राम) पर प्राप्त लाइक, टिप्पणी(comments), शेयर और समिति के जूरी के निर्णय को ध्यान में रखते हुए किया गया था।

"ऑनलाइन प्रश्नोत्तरी प्रतियोगिता" का आयोजन 27 फरवरी और 28 फरवरी को कुल 2 चरणों में किया गया था। प्रथम चरण का आयोजन 27 फरवरी को शाम 5 बजे D2C मंच किया गया था, जिसमें भारतीय संस्कृति और हिंदी साहित्य से जुड़े हुए कुल 20 प्रश्न थे। प्रथम चरण से चयनित प्रतिभागियों के लिए द्वितीय चरण का आयोजन किया गया।

द्वितीय चरण का आयोजन 28 फरवरी को शाम 5 बजे गूगल मीट पर किया गया था, जिसमें सभी प्रतिभागियों से कुल 3 राउंड में हिंदी साहित्य और भारतीय संस्कृति से जुड़े हुए प्रश्न पूछे गये। द्वितीय चरण में पूछे गये प्रश्नों का उत्तर देने के लिए बज़र सिस्टम का उपयोग किया गया था। द्वितीय चरण में सभी प्रतिभागियों को प्राप्त अंको के अनुसार विजेता की घोषणा की गयी थी।

राजभाषा समिति की तरफ से मातृभाषा महोत्सव'22 पर आयोजित विभिन्न प्रतियोगिताओं के विजेताओं को कुल ₹20,000/- राशि से पुरस्कृत किया गया है। प्रतियोगिता में शामिल सभी प्रतिभागियों को सहभागिता ई- प्रमाण पत्र प्रदान किया गया है।

National Cadet Corps (NCC)



NIT Raipur NCC Cadets Participated in AP Trekking Camp



The Andhra Pradesh Boys Trekking Camp was organized by the NCC Directorate of Andhra Pradesh from 3rd to 14th December, 2021. It was a National camp where more than 7 directorates participated and cadets from Bhopal, Indore Gujarat, Goa, Karnataka, Madhya Pradesh, Chhattisgarh, and Andhra Pradesh participated. 11 cadets from 5 CG CT (I) COY, Army Wing, NCC of National Institute of Technology, Raipur participated in this camp.

Dr. A. M. Rawani, the Director of NIT Raipur, Col. Rakesh Budhani, Commanding Officer, and Dr. Santhosh Penta, NCC Caretaker Assistant Professor greeted and encouraged the cadets before leaving.

The camp was divided into two sites. It started from Ahobilam, trekking through the mountains and rough terrain. The second campsite was Gandikota, another major tourist attraction. We visited popular mosques and temples of both campsites. Adventure activities, including "Zip Line" and "Rock Climbing Course", were also organized.

While trekking through the mountains, we NCC cadets also performed Social Service and Community development, picking up plastic bags and litter, cleaning the rough terrain for localities, and making stone passes across streams of the river.

Ujjwal Dewan, Caretaker, and SUO Harshit Agrawal, from the student group, contributed to making it a success. CQMS Prem Singh Anant, CDT Muzaffar Hussain, SGT Gajendra Kumar, CDT Narendra Singh, CPL Aditya Tiwari, CDT Satyam Singh, CDT Rashal Thakur, CDT Atanu Dadheech, CDT B Mahesh Babu and CDT Umang Taunk attended the camp.

NCC Day Celebration And Blood Donation Drive

To commemorate the NCC day by cadets and staff of 5 CG CT (I) COY, Army Wing, NCC, National Institute of Technology, Raipur celebrated the NCC DAY virtually on November 28th, 2021 by conducting multiple online events.

As an important part of the celebration, the honourable Associate NCC officer, Dr. Santosh Penta sang the NCC song with all NCC cadets. This was done via video conferencing on the online platform of Google Meet on November 28, 2021. A



Total of 67 NCC cadets from NIT Raipur participated in the event.

The Importance of NCC Day was discussed to enhance the knowledge in cadets about NCC and its history. CPL Aditya Tiwari, LCPL Deepshikha Sharma, CDT Satyam Singh, CDT Neha Sahu, CDT Arnav, CDT Shashi, and CDT Harikishan conducted the event and shared his knowledge about the same. Senior emphasised the importance of NCC day and of being an NCC Cadet. And at last, all cadets of NCC sang the prestigious NCC song "Hum Sab Bhartiya Hai".

SUO Harshit Agarwal, UO Varsha Sahu, CDT Dinesh Jain, CDT Rashal Thakur, CDT Umang Taunk donated blood in AIIMS Raipur leading the blood donation drive, to commemorate NCC day and spread awareness for a good cause.

NCC Combined Annual Training Camp (CATC) held at NIT Raipur

NCC Combined Annual Training Camp (CATC) was organized in the National Institute of Technology (NIT), Raipur by 5 CG CT (I) COY NCC Unit from 11th November to 17th November, 2021. The camp was successfully conducted under Dr. A. M. Rawani, the Director of NIT Raipur, Col. Rakesh Budhani, Commanding Officer, and Dr. Arif Khan, Registrar, NIT Raipur. Both, B-Certificate and C-Certificate cadets from NIT Raipur, Indira Gandhi Agricultural University (IGKV), and Government Nagarjuna Post Graduate College of Science were included in this training camp.



The camp was inaugurated with the opening speech by Col. Rakesh Budhani. He welcomed all the cadets and gave an overview of the activities the cadets will learn. The camp included events like weapon training, fire demonstration and rescue, training of traffic signs and signals, parade formation and map reading. The cadets also had to go through physical training and theoretical classes.



On the last day, under the guidance of HAV Bhupender Sir and SUO Harshit Agarwal, NIT Raipur came 1st runner-up the Drill Competition Test. This was followed by a cultural program in which SW CDT Pragya Pandey sang melodious songs while playing Ukulele. The 7-day camp came to an end with the certificate distribution ceremony by Dr. Santhosh Penta, Associate NCC Officer (ANO), NIT Raipur, Maj. Dr. G. K. Srivastava, ANO, IGKV and Maj. Dr. M. S. Gupta, ANO, Science College.



TURING CLUB OF PROGRAMMERS (TCP)

Foundation

Turing Club of Programmers, is the official coding club of NIT Raipur, intending to cultivate and nurture an invigorating coding environment in our college. It was operating unofficially for two years and because of the sheer efforts of its members, it was enlisted as one of the official clubs during the session 2021-22 under Dr. Pawan Kumar Mishra as faculty in charge.

Various activities have been and will be organized by TCP to promote active coding culture and to support the ecosystem of Innovation in our Institute. It includes the Mentorship program, biweekly contests, regular doubt solving sessions, mock interviews, tech talks, interactive sessions, workshops, and the annual hackathon CodeUtsava. Over 250 members from the second year are involved in the Mentorship Programme as mentees and approximately 500 members from the first year are active in the community.

Mentorship Programme (Session 2021-22)

TCP announced the beginning of its Mentorship Programme for the session 2021-22 in September. Second-year students of any branch were eligible to join this program as Mentees. Exceptionally good coders of third-year and fourth-year are selected as Mentors in this Programme. Under this programme, students are provided with guidance about the placement and internship procedure for software-oriented companies, resources to prepare for it, biweekly contests for their practice, and mock interviews to give them an idea about what companies expect from them in interviews. For this session 2021-22, 35 mentors of third and fourth year are active in this programme, and around 250 students of the second year are involved as mentees.

December Coding Contest

TCP organized an online coding contest on 24th December 2021, from 6:00 PM to 8:00 PM, on the online platform, HackerRank. Participation for the contest was open to all 1st and 2nd and 3rd-year students. The top performers from the participants were awarded cash prizes worth 8000 Rs.



Virtual Session "Code with TCP" for first years

Turing Club of Programmers, the official coding club of NIT Raipur organized a virtual session by the name "Code with TCP". The session was organized in two parts. The first part was organized for circuit branches and the second part for the remaining branches of the Institute. The main aim of this session was to get the newly admitted students acquainted with the coding culture of the Institute.

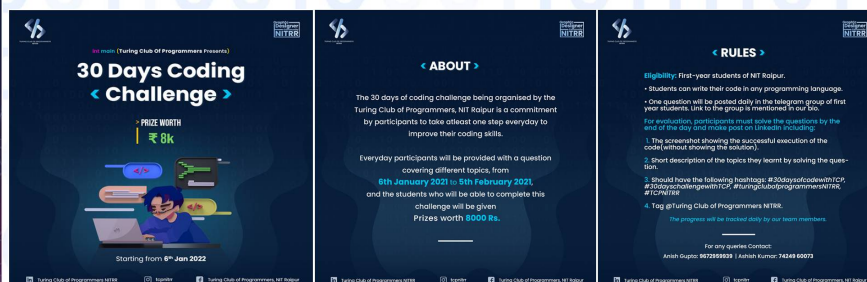
The session started with the introductory speech by the Overall Coordinators: Shivam Gupta, Anish Gupta, Ashish Kumar, and Sangam Kumar Mishra. They told students about the various initiatives of TCP to promote coding culture of the Institute like the Mentorship Programme, Monthly Contests, and TCP's roadmaps. Following this, the students were given an idea about the placement procedure and the current scenario by the TPO Convenors: Disha Sonkar and Vashisht Sharma. Final year students: Piyush Pastor, Ansh Shrivastava, and Ritish Kumar Tiwari were also present in the session.

Above 250 students registered for the session and it was successful in introducing the world of programming languages and competitive coding to the first year students.



30 Days of Coding Challenge

TCP organized a 30 Days of Coding Challenge for the first-year students. The main aim of this challenge was to make the students consistent and habituated to problem-solving and hence improve their coding skills. It started on 6th January 2021. Questions based on a wide range of topics were given daily to students in the Telegram Group of TCP and the students had to post their learnings on LinkedIn with the proper screenshots of the solved question. Students were allowed to solve questions in whichever programming language they were comfortable with. The winners were given prizes worth 8000 Rs. Over 500 students of first year got involved in this initiative of TCP.





DEPARTMENTAL ACTIVITIES

Introduction

Civil engineering is considered to be the backbone for all types of infrastructural developments. Civil Engineering involves the application of scientific principles and knowledge of mathematics, theory of mechanics and application of computers to the planning, analysis, design, and construction for all types of infrastructures.

The main role of CEA is to carry out different extra-curricular and co-curricular activities, essential for development, nurturing of team spirit, and developing organisational skills.

CEA has conducted many seminars for students of civil engineering in the past and will continue to do so in future for the betterment of students.

The faculty in-charge of CEA, Dr Mohit Jaiswal and Dr Ansu Thomas along with the guidance and support of HOD Dr. Gangadhar Ramtekkar have a great vision to take the civil engineering department to new heights in future.

1. Session on “How to crack IES/ GATE” on 11th June 2020

By Mr Sagar Dodeja (NIT Raipur & IIT Bombay alumni, an ex IES Officer)

The main aim of the event was

- To create awareness on different competitive examinations among the students.
- To provide necessary information and guidance for the preparation of competitive examination.
- To orient the students for competitive examination.
- To ensure proper utilization of time spent outside the classroom by the students.
- To motivate the students for studying in groups to have better results.

2. Sessions on “Durability with Blended Cements” on 22nd August 2020 and “Manufacturing process of cement and quality control” on 09th January 2021

- By Mr Himanshu Patel, Nuvoco Vistas Corp Limited

Nuvoco Vistas Corp. Ltd, a Nirma Group company, is a leading manufacturer and retailer of building materials in India with a vision to 'Build a Safer, Smarter and Sustainable World'. It started operations in India in 1999 via acquisitions, and since then have emerged as one of the major players in India. Nuvoco is one of the top cement manufacturers in India, and the leading player in the East following the acquisition of Nu Vista Limited (formerly Emami Cement Limited); offering high-performing, premium, blended cement variants.

3. Sessions on "Roadmap to Study Abroad" on 6th September 2020 and on 19th August 2021.

By

1. Mr Sudeep Roy EIT, Geotechnical Engineer at Fugro USA Land Houston, Texas, United States. NIT Raipur Alumnus (2015 Batch)
2. Mr Abhijeet Saraf EIT, Water/Wastewater at HDR Omaha, Nebraska, United States. NIT Raipur Alumnus (2018 Batch)
3. Ms Ameya Chandrakar (Civil Engineering Batch 2014-18)

Selected in Texas A & M University, Cornell University, Virginia Tech., UC Davis, Georgia Tech. and NUS Singapore.

The aim of the event was

- To create awareness for higher studies among the students.
- To provide necessary information and guidance for the preparation of IELTS/GRE/GMAT/TOEFL.
- To understand the importance of grades and extracurricular activities both in the overall development of the students.

4. Session on “STAAD.Pro Session (Basic Course)” on 9th October 2020

By Bentley Institute

Bentley institute has conducted a 3-day training session on “STAAD.Pro Session (Basic Course)” under Civil Engineering Association through Microsoft Teams, for final and pre-final year students on 9th October 2020. The aim was to provide students to learn how to analyze and design any structure, simple or complex and share the synchronized model with confidence for multi-discipline team collaboration.

5. Edutainment sessions

Department of Civil Engineering, NIT Raipur has conducted many edutainment session (entertainment + educational) under Civil Engineering Association for the students on monthly basis since September 2021. Faculties of the respective semester also attended the session along with the faculty coordinators and HoD. The objectives of these sessions are to help in the overall development of the student, to help in selecting courses, to encourage students for different competitive examinations, and to overcome the problems they are facing during the COVID-19 period.

6. Sessions on “Advances in Construction Technology/Project Management” and “Career Opportunities in Civil Engineering, Real Estate and Infrastructure” on 27th January 2022

by Dr Mahesh Balasubramani and Prof. K. V. Prasad of National Institute of Construction Management and Research (NICMAR) Hyderabad.

Metallurgical Society (METSO) NIT Raipur

METSO is the metallurgical society of the **Metallurgical and Materials Engineering Department** which works out continually for understudies in the field of visitor addresses, meetings, classes and different exercises pointed towards fostering all round development of abilities of students of the department. Department of Metallurgical and Materials Engineering is the genesis department of **NIT Raipur** established in **1956**. **METSO** was formed with the vision of overall development of the students of Metallurgy department in curricular as well as extra-curricular activities. Various seminars and meetings in order to be in touch with the changing technology in the field and extra-curricular activities as well. The highlighting events conducted by METSO are:-

1. UTKARSHAN

2. TEACHER'S DAY CELEBRATION

3. SPORTS WEEK

4. WELCOME CEREMONY

The committee is actively working online to introduce the departmental knowledge to the fresher's by organising quizzes and edutainment meetings.

UTKARSHAN – THE METALLURGICAL FEST

The branch of Metallurgical and Materials Engineering conducts the departmental fest that is **Utkarshan**. Consistently the open door and obligation to direct this fest is given to Metallurgical Society of the college which comprises of the under graduates and are directed by the professors. The event is generally kicked off with the wonderful expressions of the head of the department giving some introduction and information about the department. During this fest many different activities take place, activities that took place in the latest were **Metallomania**, **Aavartita**, **Etch Hour**, **Case-in-Point** and **Zotesi Tech**. Some activities are conducted among the metallurgical students that is intra department by forming the teams comprising of students of each year whereas some activities are conducted on inter department basis. Generally, there is also an interactive session where the professors and the toppers of the department of senior years communicate with everyone and share their few important encounters and illuminate all by sharing some valuable experiences.

स्टूडेंट ने रिसर्च पेपर में बताया- रॉकेट के इंजन का यूज गाड़ियों में होने लगे तो पेट्रोल का बेस्ट ऑप्शन बन सकता है हाइड्रोजन, एल्युमिनियम के पाउडर से बनता है हाइड्रोजन

एनआईटी के मेटलर्जी डिपार्टमेंट में आयोजन

पत्रिका PLUS रिपोर्ट

रायपुर • रिसर्च में पहले ही साबित हो गया है कि हाइड्रोजन का यूज पेट्रोल के ऑप्शन के तौर पर किया जा सकता है लेकिन कैसे किया जा सकता है यह बहुत कम लोगों को पता है। सोमवार को एनआईटी के मेटलर्जी डिपार्टमेंट ने 'उत्कर्ष' का आयोजन किया। इसमें स्टूडेंट ने रिसर्च पेपर पढ़ा। इसमें पेट्रोल के विकल्प और चालन से समझा दिया कि कैसे हाइड्रोजन का यूज कर पेट्रोल प्रोडक्ट बनाने का तरीका बताया।



विश्वरंजन

ऐसे तैयार होगा हाइड्रोजन

स्टूडेंट विश्वरंजन ने बताया कि एल्युमिनियम के पाउडर में कोर सफेद कार्बन लुप्तकृतिकारकनी और एनएओए मिश्रण कर दो तो हाइड्रोजन तैयार हो जाएगा। भूकिक क्षमता बढ़ में एल्युमिनियम बहुत कम में पाया जाता है। टीक एंटी ही कोर सफेद किली भी कोमिशन कोर्टी से बढ़िया जा सकता है। एक मीटर घनाकार से 6 लीटर हाइड्रोजन तैयार होना है। एक लीटर हाइड्रोजन से 32 हजार मिली वैलररी मिलती है जबकि एक लीटर पेट्रोल से रिक 13 हजार वैलररी। जो इंजन रिकेट में यूज किया जा रहा है उसे गड़ियों के मुकामिक डकल्प कर यूज किया जा सकता है अभी गड़ियों में इंटरवल कोमिशन इंजन का उपयोग किया जा रहा है।



मैटल को पहचाना

एक सेमिनार में या जिसमें छात्रों को मैटल दिया गया था जिससे पहचानना था कि क्या है। सभी को अलग-अलग पाउंटी दी गई थी। उसे फिरकर कुछ पाउंटी के साथ आइडेंटिफाई करना था।



Chemical Engineer's Association of NIT Raipur (CHEANIT)



CHEANIT is the Chemical Engineer's Association of NIT Raipur which is headed and handled by the Department of Chemical Engineering. The Department is one of the oldest Disciplines adopted by the institution, established in 1962. The students who graduated from the Department are successfully and continuously working as Engineers, Scientists, Consultants, and Academicians in various organizations and also pursuing higher studies in premier institutions in India and abroad. The Department aims for global recognition in teaching, research, and community services and raising the standard of Chemical Engineering education in the latest art of technology. The mission of the department is to impart quality education in the field of Chemical Engineering to produce professionally competent engineers for the benefit of society at large. **CHEANIT** was formed with the vision of the overall development of the students of the Chemical department in curricular as well as extra-curricular activities.

Presently the association is managed by:

Faculty Incharge: Dr. Chandrakant Thakur, Asst. Professor

President: Muskan Kedia (8th Sem)

Vice President: Gautam Kasera (6th Sem)

Secretary: Mridul Gilhare (6th Sem)

Joint Secretary: Sania Anjum (4th Sem)

Treasurer: Kuldeep Verma (4th Sem)

The major events conducted by **CHEANIT** in the session 2021-22 are:

1. Edutainment Session

2. GATE Session

3. Quiz

1. Edutainment Session

The department has organized 3 edutainment sessions for the 2nd, 3rd, and 4th-year batch separately under the guidance of Dr. Chandrakant Thakur, Assistant Professor. The main purpose of this session was to increase the interaction between the faculty students and alumni. Nidhi Pandey Ma'am joined us for the edutainment session. She is an Alumni of Chemical Engineering, NIT Raipur 2006 batch. Presently, she is working as Technical Executive at SARDA Energy and Minerals Limited. The session was also intended for increasing awareness about the future aspect of chemical engineering including the placement opportunities, the GATE, and many more which were very helpful for students for their future



2. GATE Session

To give exposure and know the further opportunities in the field of Chemical Engineering, a career guidance webinar was organized by Mr. Shailendra Kumar. He is a star educator in Unacademy under the GATE&ESE category having profound experience in chemical engineering. The session was organized on 29th December 2021 by CHEANIT. Some of the important things discussed were, the benefits of the GATE exam which opens the door to many PSUs, M.Tech in good colleges, R & D industries, and many foreign universities for higher studies. He also guided the students about the pathways to follow to achieve their professional and academic dreams.



3. QUIZ

After the successful conduction of the GATE session, on 2nd January 2022, a quiz was organized on the UNACADEMY platform to give an overview of the GATE exam. It was more of a GATE mock test of 3 hrs which gave a real environment of the main exam and gave a quick scan to those preparing for the exam 2022.

Electrical Engineering Association (EEA)

A. Alumni Interaction Series:

Electrical Engineering Association (EEA) of EED, NITRR has initiated an Alumni Interaction series, where our Proud and distinguished Alumni members interact with EE students on various aspects of career guidance and campus life. For the same, a total of three sessions have been conducted so far, wherein fruitful discussions have helped a lot of students get rid of their doubts regarding their career.

For this, the first session was organised in September with Mr. Digvijay Gupta, being the guest. Digvijay is currently working as a Senior Consultant at Research and Consulting (Deutschland) GmbH. He is the pass-out of the batch of 2011.

The guest of honour for the 2nd session was Miss Sonam Pattnaik, Strategy and Innovation Program Manager at amazon, batch of 2011. And the latest session was held in February with Mr Prashant Gour being the chief guest who is a senior analyst at Barclays. He is a pass-out of the batch of 2013. All these sessions have been very insightful with students gaining insights on career in consulting, innovation and analytics.



B. Recreational Hour:

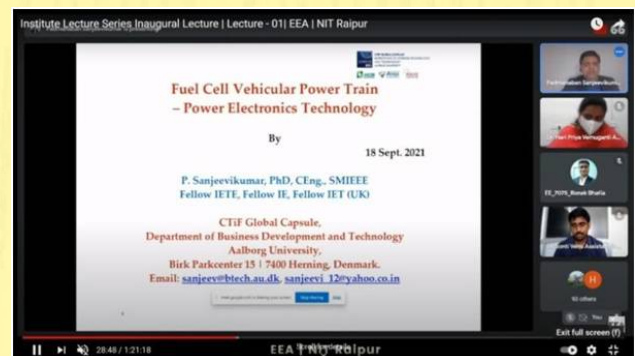
The Electrical Engineering Association came up with an amazing idea to make students more efficient, to interact with their seniors along with their peer groups and to come forward to speak, to listen, and most importantly to have a good time.

The interaction of knowledge and skills with experience is key to learning. The action is in the interaction. Keeping this in our vision, EEA conducted interactive open mic session. Through this session, interacting with others stimulates the student's young minds, and opens up new and exciting possibilities.

EEA conducted another event of recreational hour named as share your story. This session is a good platform for the students to share their fruitful stories ranging from the time of offline academic life to arduous pandemic life, from childhood to maturity or any story from far across to their vicinity. Students actively participated and shared their views and perspectives and these recreational hours conducted through online mode and google meet as a platform.

C. Guest Lecture:

As a part of edutainment activities, Department of Electrical Engineering organised the first lecture under the prestigious program "Institute Lecture Series" of NITRR. Dr. Sanjeev kumar Padmanaban, Professor, Aarhus University, Denmark delivered expert lecture on the topic "State of Art Fuel Cell Vehicular Power Train" on 18th September 2021.



D. Industrial lecture Series:

With a vision to promote students' potential ability to understand and apply the concepts of electrical engineering, The Electrical Engineering Association (EEA), Department of electrical engineering organised "Industrial lecture series", with interactive "Industrial expert lectures" on various courses/core subjects of the ongoing semester, covering their practical implementation/ underlying challenges.

Industrial lecture series: Session- I was organised for seventh semester students to enhance their practical knowledge on the course High voltage Engineering. Mr. Haridal Singh, Retired GM Bhilai Steel Plant and General Manager (Automation), SAIL, IISCO Steel Plant, delivered the expert lecture on Testing of High Voltage Equipments.

Industrial lecture series: Session-II was organised for third semester students to enhance their practical knowledge on the course Power Systems. Dr. D. P. Kothari delivered the expert lecture on power systems – Yesterday, Today and Tomorrow.



MINING ENGINEERING SOCIETY

Mining engineering society is the oldest student body of National Institute of Technology, Raipur which is dedicated towards establishing a positive environment of all around development of the student body in the institute by organizing activities such as welcome party for freshers, Mock placement, Expert Talk in which alumni guide the student body and solve their career related queries. It also conducts sports fest which includes tournaments of Badminton, cricket, football, volleyball and Tech fest which include paper presentation, poster presentation & quiz.

The aim is to create culture among mining engineering student. It makes student to dig a little deeper and maximize their output to win the battle of knowledge and sports.

Expert Talk: MES organized an Expert Talk to enlighten and sharp motives for being a mining engineering. Students came to know about the modern advancement in blasting practices in different mines. In addition to these, a general discussion on right working behavior, how to handle a correspondence, professionalism personal and managerial skills were also groomed.

Prize Distribution Ceremony: MES organized a prize distribution ceremony at the end of the tenure to congratulate the winners from different events conducted by MES. The achievements were highly appreciated and the department wished all the recipients and participants good luck for their future endeavors.





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