

# SHILPI (2023-24)



**NIT  
RAIPUR**









# Message from the Director's Desk



“ऊर्ध्वं मूलमधः शाखमश्वत्थं प्रादुश्ययम्।”

The quote from India's literary luminescence and timeless treasure for the mankind, 'The Upanishads' means-

“The eternal Banyan tree, with its roots above and branches below, is said to be indestructible.”

And similar is India's millennial old rich cultural heritage, which has its roots deeper than the ocean and certainly indestructible. Whether it is in the field of space, science, astronomy, architecture or culture, India's heritage is dated back to ages. Our nation's opulent tapestry of history, culture and wisdom has always been a beacon of inspiration and knowledge.

Whether it is the famous Konark Sun Temple, that provides knowledge of celestial alignment revealing astronomical insights or the intricate carvings on the walls narrates deep stories. From the ancient scriptures of the Vedas and the profound teachings of the Upanishads to the architectural marvels of the Taj Mahal and Red Fort; and the vibrant traditions of our diverse communities, India embodies an unparalleled legacy of intellectual and artistic heritage.

It was never meant to quench needs of just contemporary world, but to impart and leave its impact on the era yet to come. Drawing sustenance from the India's timeless tales, we nurture a deep-seated appreciation for wisdom our perspicacious ancestors had, that bestowed us to inherit and experience their might of minds.

With indelible pride we dedicate our this year's much anticipated annual college magazine 'Shilpi 2023-24' to the profound and mesmerising heritage of India, that still stands as the modern marvel in the world, bearing all the ravages of times. May this year's magazine serve as a testament to the enduring spirit of India, the holy land to eternal truth where pursuit of knowledge know no bounds.

**Dr. N V Ramana Rao**

Director  
NIT Raipur



## *from* Editorial's Desk

Dear Readers,

Welcome to the latest edition of Shilpi, the vibrant canvas reflecting the creativity and intellect of the NIT Raipur community. This year, we invite you to journey through the rich tapestry of Indian Heritage.

India, with its rich cultural history, stands as a beacon of heritage, resonating with echoes of the past while embracing modernity. This edition celebrates Indian heritage, from ancient scriptures and architectural marvels to diverse culinary traditions and performing arts.

Our theme pays tribute to the roots that ground us and the branches that reach for the sky. Here, you will find articles, essays, and poems honouring our cultural heritage. We explore iconic monuments, delve into myths and legends, and showcase timeless artistic masterpieces.

In a world prioritizing the new over the old, it's vital to reflect on the treasures our ancestors have left us. Our heritage is not just a relic of the past but a living entity guiding our present and future. As we navigate the modern world, staying rooted in our heritage provides strength and inspiration. Through Shilpi, we aim to deepen appreciation for our cultural inheritance and ignite pride in our shared legacy.

As you read this magazine, we hope you rediscover the beauty and richness of Indian heritage. May the stories spark conversations, ignite passions, and forge connections beyond time and space.

We proudly present this edition of Shilpi as a tribute to the rich tapestry of Indian heritage. We hope it inspires you to explore and celebrate the incredible diversity of our nation's cultural legacy.

Thank you for joining us on this journey through time and tradition. Enjoy reading Shilpi as much as we enjoyed bringing it to you.

**– The Editors**





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# NIT Raipur Celebrates Foundation Day

*-Public & Media Relations Cell*

National Institute of Technology (NIT) Raipur celebrated its Foundation Day on 1<sup>st</sup> December 2023. Its rich legacy dates back to 1956 when it was established as the Government Engineering College. The Institute officially earned the distinguished title of National Institute of Technology Raipur on December 1, 2005.

Dr. Prem Sagar Mishra, CMD, South Eastern Coalfields Limited was the Chief Guest of the event. Dr. Subhanshu Gupta, Associate Professor, Electrical engineering and Computer Science, Washington State University, Pullman WA, USA was the Guest of Honor. Dr. Suresh Haware, Chairman, BoG, NIT Raipur and Chairman, Haware Properties and Group of Companies was the Special Guest. The event was presided over by Dr. N. V. Ramana Rao, Director, NIT Raipur. All the HODs, faculties, staff and students were also present during the event.

The celebration began with the welcoming of guests and dignitaries and the lighting of the lamp accompanied by the National song of India. Dr. N. V. Ramana Rao welcomed the dignitaries with saplings. Dr. Sameer Bajpai offered a warm welcome to the attendees with his speech. He talked about the history of the institute and how the alumni of the institute are representatives of the Institute. He then thanked all the guests for gracing the event with their presence. Moving ahead, a documentary featuring the legacy of the Institute, its



impressive placement and PPO records, and the various achievements of the students, faculties, and alumni were also presented.

Dr. N. V. Ramana Rao laid emphasis on the growth of institute into one of the top institutes of the country from its humble beginnings. He stated that the foundation day is celebrated to honour what the institute has achieved till now and to look forward to what is to come in the future. He appreciated the faculty members and alumni of the institute for their indispensable contribution. He ended his speech by asking everyone to stay updated, motivated and hard working and to work relentlessly towards improvement.

Dr. Suresh Haware expressed his gratitude towards NIT Raipur and described the people here as very welcoming. He explained how Alumni are the representatives of Institute. He explained the emphasis on multifaceted growth and all round progress of students and the rich legacy of our Institute. As for the scope of improvement, he mentioned resources and their efficient utilisation. He also talked about his visit to Bhilai Steel Plant (BSP) and how such visits expand the mental horizon of a person. He also mentioned the construction of the new campus of the institute and the great leadership provided by Dr. N. V. Ramana Rao.

Dr. Subhanshu Gupta talked about his close connection with nit Raipur despite being a pass out of NIT Trichy.

Dr. Prem Sagar Mishra added to Dr. Sameer Bajpai's speech and expressed how he is impressed by the journey of the institute. He also recited a verse written by Rabindranath Tagore which translated to asking God to give one strength, courage, determination and will power to deal with all the challenges that come ones way, no matter how difficult.

This was followed by the Awards Ceremony. The Best Department Award was awarded to the Department of Electrical Engineering. Dr. Dilip Singh Sisodiya, Associate Professor, Computer Science and Engineering secured the Best Faculty Award. The Best Researcher Award was bagged by Dr. (Mrs.) Anamika Yadav, Professor, Department of Electrical Engineering. The Young achiever alumnus award was given to Dr. Abhijit Shrotri and the Distinguished Alumnus award was given to Dr. Jayant Jain. Further, the student achievers were recognized by scholarships and awards.

Next on the schedule were the cultural performances by Raaga - The Music Club of the institute, and Nrityam - The Dance Club of the institute. The event ended with a vote of thanks.





# TOPPERS TALK




**ABHI AGRAWAL**

Email : abhi100102@gmail.com

 Branch : Metallurgical and  
Materials Engineering

CAT 2023 Score : 99.43%ile

# CAT

## Common Admission Test

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

CAT Percentile 99.43%

**How many hours did you put into your preparation?**

I prepared for 3-4 hours per day.

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

One of the major mistakes that aspirants make during CAT preparation is avoiding their weaker section. It is important to clear the sectional cutoffs in the examination, so one should focus on each and every section. Improving your weaker section will help clear the sectional cutoff, and practicing hard for your stronger section will attain a higher percentile. Another mistake is that aspirants lack practice. Therefore, try to solve as many mocks and sectional tests as you can. Lastly, figure out where you need to increase your effort, whether it's in question-solving speed, accuracy, or both.

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

Apart from NIRF and QS rankings, there are various factors to consider when selecting a business school. These include teaching pedagogy, peer-to-peer learning, return on investment (ROI), alumni network, and career prospects. The first thing to consider is the industry you want to work in or career path you want to pursue after completing an MBA. It's important to align your long-term career aspirations with the institution and examine the

success of alumni in similar roles or industries. For example, if you aspire to a leadership role or entrepreneurship, you should look for individuals excelling in those areas from the specific institution. In the CAT exam, the score depends primarily on the individual's profile. However, a person with a normal profile who achieves a 99+ percentile score could easily secure admission to a tier-1 institution.

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

Many students panic because they lack time management skills and struggle to practice the syllabus effectively. To overcome this fear, it's important to create short-term study plans and take regular topic tests. I stay calm during my preparation by achieving the daily objectives of my study plan, which helps me build confidence. Taking a 30-minute walk also helps me relax.

**Any advice/suggestions for future aspirants**

The CAT exam pattern changes every year in terms of difficulty, number of questions, and format. To prepare effectively, it's important to track these changes, create a study plan, cover all topics, regularly take mock tests while managing time effectively, analyze mistakes, improve accuracy and speed, and ultimately excel in the CAT exam.

**What are your hobbies? Did they assist you in your preparation?**

I enjoy solving puzzles. Tackling puzzles has helped me improve my focus and think of multiple solutions to a problem. This hobby made it easier for me to solve the DILR section during CAT preparations and the exam.





## KRISHNA AGRAWAL

Email : krishnaagrawal1055@gmail.com

Branch : Biomedical Engineering

CAT 2023 Score: 99.03%ile

# CAT

## Common Admission Test

### What was your rank and which college you'll be taking admission in?

My CAT rank could be predicted somewhere around 2900 as I got 99.03 %ile and number of test takers had increased to around 2.9 lakhs, which until previous year used to be around 2.2 lakhs. Currently, personal interview results are not declared, but I will probably join one of the following colleges: FMS Delhi, IIM Indore, IIM Mumbai, IIFT Delhi, SJMSOM.

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

I started my preparation from May and continued till November end; in the starting phase I dedicated around 5 hours a day and then gradually increased it to 8 hours a day, with some peak times going as high as upto to 10 hours. Overall, in this period I had maintained a minimum average study time of 40 hours per week.

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

Aspirants should focus on having grasp over the foundational concepts, and should not be in a hurry to just memorize the shortcuts, the best example for this is to see the quant section of CAT 2023.

They should devote considerable amount of time to each section. Especially for VARC, which people often overlook.

The most key is giving ample amount of mock tests with proper analysis. Some people don't bother to attempt even a single mock test and some keep on attempting as much as they can without analysing the results. Upskilling weak concepts is must. Clearing CAT is just 50 percent of the process and for making it to top B-Schools, one has to focus on building their profile and interpersonal skills.

### What factors should be considered while selecting the institution and what would be a good CAT score?

There are various factors one should consider while opting a college for MBA, such as- cut-off in CAT, how old is institute, placements, location, fees comparison from other colleges. Further, one should keep in mind that each institute has its own criteria using which it shortlists the candidates for personal interview round. Being a fresher, the only thing one should worry about is CAT score and the profile that you will build during your college years.

A good CAT score is something which will differ from person to person; reservations one can avail also plays

crucial part. For the current year, a general engineering male fresher, would have required a 99.7%ile to get a call from the dream institutes like IIM-A, B, and C, and this will keep on changing as number of candidates are increasing day by day.

For starters, aspirants should focus on getting 30 marks in each section, thus getting a total score of 90 marks, then they can further stretch more marks from their strength areas.

### While preparing for one of the most competitive exams, how did you manage to keep yourself calm and patient?

For me the journey was pretty stressful, and full of anxiety, as my joining at EXL was already deferred twice. Luckily I had a couple of good friends who were always by my side, patiently listening to my queries, and motivating me. Further, I kept touch with few of my peers and discussed future strategies with them.

All this time, I had also started reading some books on self-help and productivity like Atomic Habits, Eat that Frog among others, which instilled the habit of proper planning, setting priorities, and goal tracking, so I build a system around all this and focused on delivering on my next small goal, keeping trust on the process.

### Any advice/suggestions for future aspirants.

Firstly they should understand the basis for an MBA degree and make-up their mind accordingly for the latter. Once decided, just focus on one thing, and don't change your stance till your CAT exam.

Secondly, I am telling you that there will be many ups and down in the process, but nothing is to be worried about. Once you start, be consistent and you will be noticing difference sooner or later.

Thirdly, to be honest, it's a super competitive exam. So you have to give your best.

### What are your hobbies? Did they assist you in your preparation?

I like reading self-help books and books on productivity. I am very inconsistent with it, though I always try to apply its learning into my daily life. As already stated, this alone has helped me tremendously. Further, I am passionate about following Geopolitical news, something that I used to take out time for and used as an escape from my studies.





### ADITYA VIKRAM NIGAM

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Branch : Geomatics Engineering

AIR 75 -> GATE Score : 578

## GATE

### Graduate Aptitude Test in Engineering

**When did you decide that GATE was the one for you? What made you choose GATE over other career options like CAT, placements etc.?**

Geomatics Engineering had always intrigued me, and I saw GATE as an opportunity to delve deeper into this field. While other career options like CAT and placements were tempting, I felt that GATE aligned more closely with my academic interests and career aspirations.

**When did you start your preparations? What was your strategy and how did you stick to it?**

I started my preparations for GATE relatively late, and Geomatics was a lesser known subject to me. I focused on covering the essential topics thoroughly, prioritizing areas with higher weightage in the exam syllabus. Mock tests and YouTube platform really helped me in preparation.

**Was it difficult to focus on GATE and semester studies? How did you cope with it?**

I believe that with the right balance GATE study can be incorporated with semester studies. Prioritizing the subjects as needed along with time management is the key.

**Which subjects would you feel to be difficult? How did you overcome that?**

Although geomatics subject is really interesting and approached it with a learning attitude, I found certain topics challenging, those related to remote sensing and geographic information systems had more theoretical nuances. I sought to youtube explanations for such complex topics.

**Did you attend any coaching institution for your preparation or sign up for any examination module for your preparation?**

**What would you like to suggest to future aspirants?**

Staying focused and managing time well without taking a lot of stress is very helpful in competitive exams that have to be given parallelly with semester exams.

**Did you anticipate your result when you were preparing for your exam?**

While preparing for the exam, I did have moments of uncertainty about my performance. However, I tried to stay positive and focused on giving my best effort

**What are your hobbies? Did they assist you in your preparation?**

Outside of academics, my hobbies include playing the guitar and chess. While they may not seem directly related to GATE preparation, they played a significant role in keeping me refreshed and motivated in between study sessions.





### ARNAV MISHRA

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Branch : Bio-Technology

GATE 2023 Score : 675, Rank : 97

## GATE

### Graduate Aptitude Test in Engineering

**When did you decide that GATE was the one for you? What made you choose GATE over other career options like CAT, placements etc.?**

Not going for branch sliding was the first decision that made me think to go for core biotechnology. By the end of 2nd year, I had decided to prepare for GATE. I always found the core subjects interesting and was somehow able to understand them. Also, I was never inclined to go for management studies

**When did you start your preparations? What was your strategy and how did you stick to it?**

During the summer vacations after my 2nd year, I started my preparations. I focused on my core branch subjects first, especially the fundamentals ones which have more weightage as well. I used to practice reasoning and aptitude simultaneously at a slower pace though. I started practicing engineering mathematics about 2 months before the exam.

I was involved in many student activities in 3rd and 4th year, so it was quite difficult many times to take proper time during the odd semester but still I managed to study for at least 30-45 minutes. I utilized my winter vacations properly and the last 2 months before the exam.

**Was it difficult to focus on GATE and semester studies? How did you cope with it?**

Yes, because different topics were going on in class and I was studying different subjects of previous semesters for GATE. Also, the depth of knowledge required is more in GATE. But on the counterpart since the complete syllabus is almost the same, it will also help to score in certain topics which you might just study for semester examination as well.

I would suggest 3rd year students appearing for GATE to first complete the topics taught till 5th semester and not go for the topics that are going to be covered in subsequent semesters.

**Which subjects would you feel to be difficult? How did you overcome that?**

Immunology, Biochemistry, Bioprocess engineering.

**Did you attend any coaching institution for your preparation or sign up for any examination module for your preparation? How was your experience?**

No, since we don't have much coachings or popular platforms for GATE Biotech preparation. I searched specific channels on YouTube for specific topics and PYQs of specific subjects. I purchased complete study material of Pathfinder Academy, it is a very good book.

**What would you like to suggest to future aspirants?**

To be determined and consistent during the preparation phase. Solve at least past 10 years question papers.

**Did you anticipate your result when you were preparing for your exam?**

In my 3rd year attempt, I hadn't expected the good result that I got. I was quite hoping an improvement in my final year rank which definitely happened. But honestly speaking, I could have secured even better rank this year as the paper was easier in comparison to last year.

**What are your hobbies? Did they assist you in your preparation?**

Singing and listening to music. I used to practice vocals or go and hangout with my best friends whenever got saturated. This helped me cope with anxiety.





### LUMESH DEWANGAN

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Branch : Metallurgical & Material Engineering

GATE 2023 Score : 712, Rank : 54

## GATE

### Graduate Aptitude Test in Engineering

**When did you decide that GATE was the one for you? What made you choose GATE over other career options like CAT, placements etc.?**

I realized that pursuing GATE was the right choice for me during 4th semester, after briefly considering other career options. I was slightly inclined towards technical subjects and a preference for roles in industry or research closely aligned with my personality, so, I went for GATE.

**When did you start your preparations? What was your strategy and how did you stick to it?**

I started my preparations during my 5th semester. My approach involved analyzing previous year papers, and my strategy revolved around comprehensively covering all the major subjects. Fortunately, the syllabus we followed was designed such that all the major subjects (Important for GATE perspective) were in the 2nd & 3rd year and I was regular with my classes. So, I had the basic conceptual knowledge of the subjects. Along with the preparation I always kept record of my progress through mocks and practicing previous year questions, which kept me motivated to stick to my strategy.

**Was it difficult to focus on GATE and semester studies? How did you cope with it?**

During the final year, the schedule became little bit hectic as we're having classes, project work and placements. However, a major portion of my preparations was already completed during the sixth semester, particularly due to the online classes. Thus, in the final year, my focus primarily shifted towards revision and going through the mocks.

**Which subjects would you feel to be difficult? How did you overcome that?**

Thermodynamics and Transport Phenomena were the two subjects that were difficult for me. So, I studied the important topics from the standard books thoroughly.

**Did you attend any coaching institution for your preparation or sign up for any examination module for your preparation? How was your experience?**

I was regular with my classes and some NPTEL lectures so I didn't attend any coaching Institute. I just bought a test series from a coaching institute to track my progress and it was a great experience.

**What would you like to suggest to future aspirants?**

Start with the subject that you're comfortable with. Do not leave a single topic. Try to maximize your score in Maths and Aptitude section. Practicing previous years questions at-least once is really very important. Be regular with the mocks as it would help to identify the loop holes in your concepts and for better time management. Finally, be consistent with your preparation.

**Did you Anticipate your result when you were preparing for your exam?**

Honestly, I never thought about the rank that I would get as I was having a good rank in my 3rd year GATE to secure a seat for M.Tech in Old IITs.

**What are your hobbies? Did they assist you in your preparation?**

Watching movies and web-series one of my hobbies, although it didn't contribute to my preparation, it certainly provided entertainment and relaxation during my study breaks.





### **PRIYANSHU GUPTA**

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Branch : Biomedical Engineering (BM)

**GATE 2023 Score : 851, Rank : 46**

## **GATE**

### **Graduate Aptitude Test in Engineering**

**When did you decide that GATE was the one for you? What made you choose GATE over other career options like CAT, placements etc.?**

At the starting of 3rd year I decided to appear for Gate exam. I wanted to explore my branch so I choose Mtech.

**When did you start your preparations? What was your strategy and how did you stick to it?**

I appeared twice. I started self study after 5th semester during winter vacation. It was during lockdown and I dedicated my winter vacation to brush up the topics. Then in my final year, I joined mentorship: program for biomedical engineering.

**Was it difficult to focus on GATE and semester studies? How did you cope with it?**

It was indeed difficult but I somehow managed everything. I had good friends and they helped me a lot too.

**Which subjects would you feel to be difficult? How did you overcome that?**

The electronics part of BM syllabus is very difficult and I mostly skipped the hard part of it and tried to study and remember basic concepts so that atleast i can attempt any easy question that comes.

**Did you attend any coaching institution for your preparation or sign up for any examination module for your preparation? How was your experience?**

I got full scholarship under mentorship program of Dr. Jayavel. He is the admin of kalam and krishnan, a Youtube channel that is fully dedicated to Biomedical Engineering domain.

**What would you like to suggest to future aspirants?**

Study the question paper first. Do smart work not hardwork.

**Did you anticipate your result when you were preparing for your exam?**

Not at all

**What are your hobbies? Did they assist you in your preparation?**

Anime and yes it helped a lot releasing stress.





OVER

5:05:34

CHASSIS  
RECHARGE  
POWER-EFFICIENCY

50% RM  
101 MB/S  
100%

STRUCTURAL INTEGRITY 88%  
TEMPERATURE 80° C  
EQUILIBRIUM 84%

SYSTEM STABILITY 40%

LOCK 1 LOCK 2

SYSTEM OPERATIONAL

R \*\*\*\*\*  
B \*\*\*\*\*  
C \*\*\*\*\*

RESERVE

# Technical *Articles*



# Walk into a New Life Experience.

It has only been about two months into my six-month internship but embarking on an internship journey in Bangalore marked a significant shift from the carefree student life I enjoyed at NIT Raipur. The transition from being financially dependent on my family to becoming self-sufficient was both empowering and challenging. Having secured financial independence through my prior two-month internship, I found myself shouldering responsibilities I hadn't imagined before.

Living in Bangalore as a working adult demanded a newfound level of maturity and discipline. Unlike the tension-free days of college, where financial worries were nonexistent, I now had to budget meticulously to cover expenses such as rent, groceries, and transportation, along with managing college fees and sending money back home. This sudden shift in financial responsibility was a wake-up call to the realities of adult life.

One of the most notable adjustments was adapting to a structured routine. Unlike the flexible schedule of college classes, I now had fixed office hours, a typical 9 to 5 job that I couldn't afford to miss. The need for punctuality and consistency became paramount, and skipping work was not an option. Additionally, the sedentary nature of my job emphasized the importance of regular exercise, turning gym sessions into a necessary part of my routine to maintain physical and mental well-being.

Another aspect of adulting that became apparent was the distinction between corporate friendships and those forged in college. In the professional world, interactions were governed by a sense of professionalism, where personal and

professional boundaries were delineated. Unlike the camaraderie of college, where friendships were often built on shared experiences and mutual interests, corporate relationships tended to be more task-oriented and transactional.

Additionally, amidst the demands of corporate life, I couldn't help but miss the vibrant social scene of college. The lively parties, club committees, and cultural events that were a staple of student life at NIT Raipur now felt like distant memories. While my current responsibilities took precedence, I couldn't help but feel a twinge of nostalgia for those carefree moments of camaraderie and celebration. Balancing the demands of adulthood with the longing for the spontaneity of college life became a bittersweet reality, reminding me of the multifaceted nature of this transition.

Despite the challenges, transitioning to adulthood in a new city was also an exhilarating adventure. It provided opportunities for personal growth, self-discovery, and independence. Navigating the complexities of adult life in Bangalore offered valuable lessons and experiences that enriched my journey, ultimately shaping me into a more resilient and capable individual. As I embraced this new chapter with optimism and determination, I looked forward to the myriad possibilities that lay ahead, recognizing that every challenge was an opportunity for growth.

**PRAMIL KESARWANI**

4<sup>th</sup> Year

Electronics & Communication Engineering





# Free Will

The idea of having free will is so cognizant of our species that the utter idea of lives being preprogrammed is inconceivable to normal people. -Ayush Singh

There is a long history of the free, with problems showing up whenever its name is mentioned. Freedom and will are two words that we don't ordinarily use when talking about our control over, the functioning of, our actions. Nevertheless, for the last 2,000 years or more Western philosophers have been obsessed with these terms, to discuss the problem of whether free will is absolute. The choice of the words freedom and will tell us something about why it might matter whether we do have action control, and what this contributes to the psyche and evolution of the human mind.



## AGAINST FREE WILL

Taking an experimental route, we understand that the freely voluntary acts are preceded by a specific electrical change in the brain that begins at 550 ms. before the act. Human subjects became aware of the intention to act 350-400 ms. after the charge change, but 200 ms. before the motors act. The volitional process is therefore initiated unconsciously. But the conscious function could still control the outcome, it is the final lever to the action. Free will is therefore not excluded.

These experiments put constraints on our views of how free will operates; it would not initiate a voluntary act but could control the final execution of it. This unconscious brain processing gives root to the negation of the idea of free will.

This notion of no free will creeps in the idea that whatever we do is programmed to a level of our consciousness that it completely nullifies the idea of absolute free will. This very ideal gives rise to the theories such as "the MATRIX", which suggest that everything around us is a simulation and all we can do is fulfill the roles which the matrix has programmed for us.

This idea feels terrifying as it nullifies and disregards all

human emotions a person can conceive such as love, hope, ambition, friendship, and much more. Asking these questions adds to pointlessness and sends you down the nihilistic approach to life.



This very thought of having each move from each part of our lives at every moment being destined questions the very omnipotence of God. The thought that if God is omnipotent, he must know all of the choices of all

beings at all times suggests that God doesn't know the future or he gives people the illusion of free will which is what the case is against here. If God knows in advance how we will act, it looks as if we cannot act freely because we cannot act other than by God's foreknowledge. This means that God's full omniscience and free will are incompatible.

## FOR FREE WILL

Looking at the other side of the coin, the reality that free will gives people hope that hard work and relentlessness determine or can change their way of life and gives them an optimistic outlook on the wars of the world. Though some science may suggest an argument of no free will there is no clear and deterministic answer to this question, therefore this leaves us with Merry-go-rounds and whataboutism of thoughts.

So rather than being pessimistic about it and giving in the nihilistic approach, one can advocate for free will to have sanity and peace of mind.

## CONCLUSION

The conclusion about this topic is that the freely free or non-determined free will is good to believe for our existence, if not better than the scientific version. We would not view ourselves as machines that act in a manner completely controlled by known physical laws.

Closing in with a quote from novelist Isaac Bashevis Singer "The greatest gift which humanity has received is free choice. We are indeed limited to using it. But the little free choice we have is such a great gift and is potentially worth so much that for this itself life is worthwhile living."

**AYUSH SINGH**

2<sup>nd</sup> Year

Metallurgical & Materials Engineering



# In The Crisp Winter of 2018

In the crisp winter of 2018, as the echoes of preboard exams faded, a sense of liberation filled the air. On the 28th of January, when the sun emerged from its hibernation, it felt like an old friend returning after a long absence. It was on this day that my friend and I embarked on a journey of discovery, venturing into uncharted territory.

Our path led us to a secluded grassland, hidden away from the eyes of the world. It was a journey through a labyrinth of palace gardens and quaint villages until we found ourselves amidst towering trees and a carpet of roses. Beyond the valley, a vast expanse of open grassland stretched out before us, bordered by a line of trees that seemed to guard its secrets.

We rode our bikes through the field, the wind whipping through our hair, until we stumbled upon an unexpected sight. Amongst the tall grass lay the skeletal remains of creatures long gone, their shapes forming eerie patterns against the horizon. We paused, trying to decipher the mystery of their existence, before continuing our journey towards the edge of the forest.

There, we discovered a slow-moving stream, its crystal-clear waters beckoning us to explore further. With a sense of adventure in our hearts, we followed the river along its winding path, passing by ancient idols and small temples hidden amidst the trees.

As we rode deeper into the woods, we stumbled upon a hidden oasis—a small clearing bordered by trees, with a lone mango tree standing at its center. It felt as though we had stumbled upon a scene from a fairy tale, untouched by the hands of time.

We spent hours in that enchanted place, watching as the sun dipped below the horizon and the stars illuminated the night sky. It was a moment frozen in

time, a sanctuary from the chaos of the world outside.

Years passed, and life took us on different paths, but the memory of that magical place remained etched in our hearts. Even after the arrival of the pandemic and the changes it brought, the allure of the secret oasis called out to me.

One summer evening, burdened by the weight of a recent breakup, I returned to the place in search of solace. With a new friend by my side, we ventured into the familiar landscape, his awe mingling with fear as we encountered the remnants of the past.

But our reunion with the enchanted land was short-lived. The municipality had discovered the place and transformed it into a dumping ground, shattering the beauty we once knew. Despite the devastation, we persevered, pushing through the debris to find solace one last time.

As I lay on the grass, gazing up at the starlit sky, I realized that some memories are too precious to fade away. Though time may change the landscape around us, the magic of that secret oasis would live on in the stories we shared and the memories we held dear. And perhaps, one day, we would return to reclaim the beauty that was once ours, like a fine wine waiting to be savoured once more.

SAURABH MISHRA









## Embracing Solitude:

# A Meditation on the Art of Being Alone

Solitude, a concept often misunderstood and sometimes even feared, is a profound and transformative experience that holds the power to enrich our lives in ways we can scarcely imagine. In a world that increasingly demands our constant attention and connectivity, the ability to retreat into the stillness of our own company becomes a rare and precious gift. Indeed, as the literature reveals, the wilderness solo experience can serve as a uniquely powerful means of cultivating solitude and silence, fostering a profound sense of personal growth and development.

At its core, solitude is not merely the absence of others, but a state of being in which we are fully present with ourselves, open to the whispers of our inner worlds and the rhythms of the natural world around us. Throughout history, luminaries from diverse realms have extolled the virtues of solitude, recognizing it as a pathway to self-discovery and the unearthing of deeper truths about the human condition.

Yet, in our modern era, the very idea of solitude has become something of a paradox. While we are more connected than ever before through technology, many individuals find themselves increasingly isolated, struggling with the negative experiences associated with loneliness.

### Practical Ways to Embrace Solitude

1. **Schedule Alone Time:** In a busy schedule, it's essential to carve out time for yourself. Whether it's a few minutes of meditation in the morning or an hour of reading before bed, make alone time a priority.
2. **Engage in Solo Activities:** Find activities that you enjoy doing alone. This could be hiking, painting,

journaling, or simply taking a walk in the park. These moments can be incredibly fulfilling and offer a sense of peace.

3. **Disconnect to Reconnect:** Take a break from social media and other digital distractions. Use this time to connect with your thoughts and feelings without the constant influx of information.
4. **Create a Personal Space:** Designate a space in your home where you can retreat to when you need some solitude. This could be a cosy corner with a comfortable chair, a small garden, or any place that feels like a sanctuary.

Embracing solitude is about finding a balance between being with others and being with oneself. It's about understanding that solitude is not a void to be filled but a space to be cherished. In a world that constantly demands our attention, taking time for solitude is a revolutionary act of self-care and self-discovery. So, the next time you find yourself alone, instead of reaching for your phone or seeking out company, take a moment to savour the solitude. You might just discover a deeper connection to yourself and the world around you.

Embracing Solitude: A Meditation on the Art of Being Alone



**AKRITI UPADHYAY**

Ph.D. Research Scholar (Sem-I)  
Humanities and Social Sciences



# Stop Me Not

Broken into verses my emotions  
Scattered everywhere my memories  
Desires betrayed by your affection  
I am taken by your illusionary words.

Body lies not at the face of another one;  
Ah! Tickles, twitches, turns etc. and etc.  
What a rhetorical entity a body is!  
A touch of love is a blazing fire!

Uff! These dripping water from the sky  
Upon the bare shoulders of my top  
Increase my inner fuel and ignite sparks.  
Stop me not! Let me burn in it. I will! I will!

My identity is my hybridity between  
The philosophical ethics of my  
Indianness And the intellectual dogmas of the West.  
But the feelings I have for my body?

Stop me not to feel what surface up  
As natural flow of sparkling fluid  
Through my muscles and veins.  
Call me what you can? But stop me not!

Brief Bio of the Author:

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## A sense of eeriness overwhelms me

At the onslaught of a cluster of thoughts:  
Frequently, recurrently and dominantly  
Come in to dig in to stay in, but not to give in.

I lose my volition in my severe void  
Suddenly filled with hammering headaches  
As if my memories flutter their fettered limbs  
On the pointed stones of my skull.

Now! There's no concord between you and  
I. Nothing accords with anxiety and annoyance.  
Pseudo-compassion is a potassium cyanide  
That some inject through spicy idiomatic phrases.

Wait! Run not! Someone's lied, someone's died.  
Where's the dead body? Where's it? Where's blood?  
Is it inside the living body with blinking eyes?  
Or is it inside the mouth hidden like a wounded organism?

Brief Bio of the Author:

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# Self Discovery

While standing on the seashore,  
The seawater kissed my feet,  
I felt the first kiss of my mother.  
Walking alone to reach the destination,  
I peeped into the past, for not forgetting my roots.

Water comes and goes,  
It never promises to stay forever,  
Like the time I have gone through,  
Like the people I have come across,  
Like the moment I have lived through.  
In the moment of tranquility,  
I find my new self.



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## Serennity in Rainy Season at NIT Raipur



## A Calm and Beautiful Passage Connecting NIT Raipur to Indian Coffee House

Bio of the Photographer  
**CHANDAN SONI**

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# हिन्दी शब्द





# जीवन का अर्थ

*(From the Point of View of a Nihilist)*

यह जीवन नहीं तो क्या? बस एक कश-म-कश है,  
सफलता का सोम पीने को हर कोई विवश है ।  
जहाँ हर सुबह उठना भी एक संघर्ष है,  
समस्त जीवन नहीं तो क्या? एक कश-म-कश है ।

इसी प्राण काल का रस पीने बैठे है कई प्यासे,  
कोई संवाद तो कोई कलनाद में अर्थ तलाशे ।  
आज हमने सोचा की आपको जीवन का अर्थ समझा दे,  
चार पंक्तियों में बारह शब्द कहकर यह कविता निपटादे ।

पर सत्य तो शायद यह है की जीवन का कोई अर्थ नहीं,  
आज उदास कल खुश, कोई दिन आशय कोई व्यर्थ नहीं ।  
किसी से कुछ अनकही बातें, कल दूसरे को कह जायेंगे,  
"Passion Follow" कर लिया तो ठीक, वर्ना 9 से 5 हाज़री देते रह जायेंगे ।

कोई कहे जीवन है उपभोगवाद, तो कोई कहे जीवन है सादगी,  
कोई कहे जीवन मतलब अनुशासन, तो कोई कहे आवारगी ।  
न सोचना पड़े इसके बारे में तो सिगरेट दारु में कोई डूब गया,  
इस पर ही सोचके जो पागल हो, चेतना का नशा उसने भी खूब किया ।

तो शायद कवियत्री यह कह रही है की अर्थ उन्हें भी पता नहीं  
समय सबका इतना सीमित है कि, कोई बैरी, कोई सगा नहीं ।  
इतनी पढ़ाई करी पर इस प्रश्न का उत्तर मैंने रटा नहीं,  
'जीवन का मकसद, जीवन ही जान'- इससे सर्वोचित कुछ लगा नहीं ।

**ISHITA TEWARI**

1st year

Metallurgical & Materials Engineering





# जीवन

है नितांत यह जीवन निष्ठुर,  
संघर्षों से भरा हुआ।

हर डगर कठिन है इस पथ की,  
हर पग कांटों से सजा हुआ।

पापों के बढ़ते साए में,  
तम का घेरा गहराता हुआ।

इक घूंट नहीं जीवन के लिए,  
विष का सागर लहराता हुआ।

क्या सत्य यही है मानव का,  
मानवता को झुठलाता हुआ।

जहां बहती थी गंगा जी कभी,  
वहा खून की धार बहाता हुआ।

है पाप-पुण्य का बीड़ा ये,  
हर मानुष जिसको उठाता हुआ,

जो आया है, वो जायेगा  
यह अटल सत्य समझाता हुआ।

**AJAY GHRIHLAHRE**

3rd Year  
Electrical Engineering



# तलाश

अगर ख्वाब पूरे हो गए और मैं अधूरी रह गई,  
तो दिल का सफर अभी भी जारी है, मंजिल तलाश कर।

चाँदनी रात में उजाला छुप जाता है अँधेरों में,  
रोशनी की ख्वाहिश से, सितारों को तलाश कर।

जिंदगी के सफर में मुसाफिर हैं हम सब,  
अपने आप को खो कर, नये रस्तों को तलाश कर।

गम और खुशी का है सफर, हर पल एक नया मोड़,  
हर खुशी को अपना लेकर, गम को भी गले लगता हुआ तलाश कर।

मंजिल से आगे बढ़कर मंजिल तलाश कर,  
मिल जाए तुझको दरिया तो समंदर तलाश कर।

हौसला ना टूटे, हौसला बुलंद रख,  
जिंदगी की उड़ान में, आसमां तलाश कर।

हर मुश्किल का सामना करना, हौसला से तू,  
हिम्मत से पार करके, जमीन-ओ-आसमान तलाश कर।

जिंदगी की रेत में लिखना है अपनी कहानी,  
अपने जज्बातों की लहर में, खुद को तलाश कर।

अक्षर ख्वाब पूरे हो गए और मैं अधूरी रह गई,  
तो हौसला न हारे, नई मंजिल तलाश कर।

■ तान्या

**TANYA ZANZAD**  
Civil Engineering  
2nd year





# ये वक़्त हि तो है

ये वक़्त हि तो है जो गुजरता नहीं।  
ये वक़्त हि तो है जिसकी गूँज बड़ी दूर तक सुनाई देती है।  
जो कभी किसी को बिना खबर किये आ जाता है।  
तो कभी अपने आने कि खबर दे कर  
सालों लगा देता है मगर आता नहीं।  
जिसके इंतजार में आधी दुनिया बैठी है  
मगर कमबख्त ये वक़्त है जो आता नहीं।  
कभी उसके परिश्रम का फल दे जाता है,  
तो कभी उसके परिश्रम को सिर्फ सांत्वना दे बैठता है।  
ये वक़्त हि तो है कभी किसी के साथ  
तो कभी किसी से बहुत दूर चला जाता है।  
कभी किसी के पास ले आता है तो कभी किसी से दूरिया बना जाता है।  
ये वक़्त हि तो है जो रिश्तों कि सच्चाई बता जाता है।  
ये वक़्त ही तो है जो चरित्र की पहचान बता जाता है।  
ये वक़्त हि तो है जो जीवन का असली अनुभव करा जाता है।  
ये वक़्त हि तो है जो जिंदगी का मकसद याद करा जाता है।  
मकसद है उस जिद कि जिसके लिए दिन-रात एक कर बैठे थे।  
मकसद है उन वादों कि जो खुद से और अपनों से किए गए थे।  
मकसद है उन सपनों कि जिन्होंने रातों कि नींद उड़ा दी थी।  
मकसद है उस परिश्रम कि जिसके लिए  
अपना सब कुछ न्यौछावर कर दिया था।  
ये वक़्त हि तो है अखिर कब तक रूठा रहेगा,  
कभी ना कभी इसका सिक्का मेरे लिए भी पलटेगा ।  
ये वक़्त हि तो है जो कभी मेरे साथ भी चलेगा,  
आखिर ये बुरा वक़्त कब तक ही रहेगा।  
ये बुरा वक़्त हि तो है जो एक दिन गुजर जायेगा।  
ये वक़्त हि तो है गुजर जायेगा।  
ये वक़्त हि तो है गुजर जायेगा।



**SHAILESH KUMAR SAHU**

Civil Engineering  
2nd year





# हिंदी

आचार है व्यवहार है, हिंदी जगत आधार है!  
संस्कार है, नव धार है, नित प्यार की मनुहार है!!

छंदों, अलंकारों, रसों का यह महा-भंडार है!  
यह भावना, यह प्रेरणा, इसमें निहित उद्धार है।

हिंदी पुरातन सभ्यता, हिंदी नवीन विचार है!  
वात्सल्य, विस्मय, हास्य भी, उत्साह है, श्रृंगार है!!

यह प्राण हिंदी में बसे, इससे हुआ उत्थान है।  
हिंदी असीमित ज्ञान, ईश्वर से मिला वरदान है।

हिंदी हमारी माँ सदृश, माँ भारती का रूप है!  
पावन हृदय की दिव्यता, हिंदी सदैव अनूप है!!

हिंदी हमारे मान का, सम्मान का, आधार है,  
पहचान हिंदी से बनी, हिंदी सकल संसार है।

हिंदी हमारी नींव में, हिंदी नवीन विहान है।  
इसके प्रसारण से जुड़ा, इस देश का यशगान है!!

आराधना इस से समूची, भक्ति का यह द्वार है,  
यह साधना, यह चेतना हर रूप में साकार है।



**TOMENDRA**

Bio Technology  
2nd year





# उड़ान

राह है चारो तरफ,  
किसी एक को चुनना होगा।  
मंजिल खुद ना आयेगी पास,  
तुझे आगे बढ़ना होगा।

कर बुलंद होसले, उठ खड़ा हो,  
जिंदगी जीना, अभी बाकी है।  
पंख उगा, इस खुले आसमान में,  
उड़ना अभी बाकी है।

तालाब का गोताखोर है तू,  
समुंद्र की लहरों में खेलना अभी बाकी है।  
पंख फैला, इस खुले आसमान में,  
उड़ना अभी बाकी है।

रास्ते में लाख काटे मिलेंगे तुझे,  
उन काटों से फूल ढूंढना अभी बाकी है।  
पंख फड़-फड़ा, इस खुले आसमान में,  
उड़ना अभी बाकी है।

एक दिन आसमान में, तेरे पंख लहराएंगे,  
उस दिन का इंतजार अभी बाकी है।  
गिर कर हार ना मानना कभी,  
ऊपर आने के लिए बस एक 'उड़ान' काफी है।

-अविश कुमार श्रीवास्तव

**AVISH KUMAR SHRIVASTAVA**

Mechanical Engineering  
2nd year



# जीवन-प्रकाश

दल-दल है यह गहरा,  
हर तरफ छल-कपट का पहरा।  
परपीडन-रति मन में लोगो के छाई है,  
यह कैसी दशा इंसानियत की हो आई है।

उदासीनता का जाल एक ऐसा बुना है,  
जल रहा हर वो जिसे काम ने दास अपना चुना है।  
धर्म की रश्मि धूमिल नहीं, आंखें ही इनकी बंद है,  
अभाव के भाव ने पकड़ा इन्हे, लोभ की हर तरफ फैली गंध है।

कविताओं के छंद में,  
अव्यक्त मन की व्यथा का एक खंड है।  
ईर्ष्या की जलधि इतनी प्रचंड,  
उसमे बहते इंसान का ज्ञान मंद है।

अज्ञानता का तिमिर जितना काला,  
बुद्धि पर स्मृति विभ्रम की उतनी बड़ी दुशाला।  
परंतु जितनी भी उग्र हो परिस्थिति प्रखर की ज्वाला,  
श्री 'राधाकृष्ण' नाम से जीवन में सदैव उजाला।

**AVISH KUMAR SHRIVASTAVA**

Mechanical Engineering  
2nd year



# बेहतर है...

अगर सब कुछ मिल जायेगा,  
तो तम्माना किसकी करोगे ?  
किसके पीछे भागोगे,  
और, किसके लिए लड़ोगे ?  
अच्छा है, कुछ चीजें  
न ही मिले इस जहां में ।  
अच्छा है, कुछ ख्वाहिशें,  
गुम हो जाए आसमां में ।  
मान लो  
मान लो ,  
कि बस नहीं चलता,  
हर शख्स पर तुम्हारा ।  
जो मुकम्मल हो रहा है,  
वही वक्त है तुम्हारा।  
अगर, कुछ मान लेने से ज़िंदगी,  
आसान हो जाती है,  
तो गुमनामी की सड़क पे,  
सुकून से चल लेना ही,  
शोर में खो जाने से बेहतर है।।

**ANJALI TIWARI**

Mining Engineering  
4th year

# माँ

जब लगती है भूख तब माँ याद आती है  
जब नहीं लगता नींद तब लोरी गाकर सुलाती है  
जब नींद हो बाहों में तब सपने में आकर जगाती है  
जब थक जाए मन तब मीठी बातों से मन को लुभाती है।

जब लगती है प्यास तब प्यास बुझाती है  
जब जरूरी हो छाया तब आँचल के तले निहारती है  
जब लड़खड़ाये कदम तब ऊँगली थाम चलना सिखाती है  
जब लगे नींद तेज तब सूरज को छुपाती है।

जब भूल जाए गिनती तब तारे गिनाती है  
जब जरूरत हो मामा की तब चाँद याद दिलाती है  
जब दिल को न मिले सुकून तब माँ की गोद याद आती है  
जब मिल जाए फुर्सत बच्चों को तब माँ खुद मिलने आती है।

**PRIYANSHU KUMAR**

Mechanical Engineering  
2nd year





A serene beach scene featuring a large, light-colored scallop shell resting on fine sand. Inside the shell lies a single, lustrous pearl. To the left of the shell is a piece of white, branching coral. The background shows a soft-focus view of the ocean under a clear blue sky. The title 'String of Pearls' is overlaid in a classic serif font, with 'String of' in black and 'Pearls' in a larger, dark red font, all enclosed within a thin red rectangular border.

# *String of* Pearls

# Silent Symphony of *Love*

Love is when she laughs, you know?  
Even with flaws, her charms steal the show.

Her heart, strained, turns tears to rain,  
Underestimates herself,  
but confidence, she'll gain.

In intertwined hands,  
her heart finds the beat,  
She wants to confess,  
yet her silence is complete.

In her cries, I see her pain so deep,  
here to keep! I become her solace,  
her favorite podcast.

In intertwined hands,  
her heart finds the beat,  
She wants to confess,  
yet her silence is complete.

In her smile, a cherished memory hold,  
Yet, my love for her, remains untold.



**RAVIASHISH KURREY**  
Metallurgical & Materials Engineering  
1st year





# A Blessing and a Curse

What is loneliness?

Is it a blessing by God?

Or a curse by the devil?

Is it the absence of nobody?

Or the presence of you?

It might be a curse of the devil but what it brings is not.

Sitting quietly in a corner, talking to myself, debating with myself, it isn't a curse. Exploring yourself is not a curse.

No, the memories I made with my pen and paper are not. I love them.

Wandering in my thoughts, like on a deserted road after a fall.

No, every twig on that road was lovely.

But what about the dark eerie road this loneliness often drags me to? Silent. The loudest silence, piercing my ears.

I feel myself on my knees on the verge of giving up,  
losing everything, from myself to the will of having myself.

Yelling for help, for someone to break the silence.

But do I really want the silence to break? I don't know.

I don't know.



**ASHHAD**

Electronics and  
Communication Engineering  
1st year

# In the Quiet Countryside

Where the sun sets behind the hills,  
There's a calm pond reflecting the sky.

Sitting beside it, I find peace,  
As birds sing their evening songs,  
And flowers sway gently in the breeze.

Here, surrounded by nature's embrace,  
I feel at ease in the simplicity,  
A break from life's busy pace.

The grass beneath me is soft,  
Inviting me to stay a little longer,  
As the world slows down,  
And the evening unfolds its beauty.

In this peaceful moment,  
I'm reminded of life's small joys,  
Found in nature's gentle touch.

As the twilight deepens,  
And stars begin to twinkle in the sky,  
The moon rises, casting its silver glow,  
And I'm filled with a sense of wonder.

The pond mirrors the moon's reflection,  
Creating a magical dance of light,  
A breathtaking sight that fills my soul,  
With gratitude for this serene moment.

ASTHA JAISWAL  
Civil Engineering  
1st year





# Beautiful You

Christmas has faded  
You're not by my side  
And before we could build one  
This life here has died

So there I go in vain hope  
Lighting candles decorating home  
Baking cookies,  
the hot chocolate your favorite  
Putting on my best dress

Eyes on the Porsche, heart on that door  
Then right there I was ecstatic  
Any moment you would step in  
The Christmas spirit would make you give in  
Our song would play,  
it'd feel like finally uniting  
After an eternity away

There I was ecstatic  
When the clock turned 11  
Maybe you were buying me flowers  
I kept jumping at the thought when  
You finally came in!

Black coated you or your spirit  
The heaviness in your heart the world has  
created  
You don't see the loss, dying in your  
numbness  
I wail with the pain of seeing you slowly die  
I know the effort I put is no interest  
When the weight is still raw on your  
shoulders  
We could talk for hours  
And still fail to communicate

Completing each other's sentences  
Now a complete mismatch  
I think I lost some too

When the person I was caving  
Couldn't be found in you  
How long will I keep overdoing it  
Before I learn nothing will suffice  
How long will my hands be reaching out  
Till I learn it cannot be revived  
How long will I go back to our dreams  
Before I see they won't come to life

Christmas will never be the same again  
Maybe we were soulmates till the time  
changed  
Your misery my helplessness,  
Your numbness my bereavement  
I think we should call it a lost cause  
Before we rot from this mutual guilt



**AUTUMN QUINN (PENNAME)**

Chemical Engineering  
1st year

# Dear DAD



Dear Dad

Oh King, don't you see,  
All your frontiers have fallen  
Oh King don't you hear  
The bells of war, the sound of them coming  
Oh King, don't you know  
They are coming from all sides, for your children  
Oh King, don't you see  
The bloodshed and the corpses  
Oh King, Oh King  
"Do something" they are begging at your doorstep  
Oh King, don't you see  
The land you earned being claimed by the foxes  
Oh King, don't you hear  
The screams of them taking your maidens  
Oh King, oh King The Queen can feel it  
But what can a queen do when the king is silent  
Soon they scrapped the town  
And the dignity of daughters and queens drowned  
"But what of the king", they wondered  
"Don't do nothing of him, let him live  
For nothing eats a man quite like shame and guilt  
Of failing his queen whom he vowed her father to protect,  
his daughters whom he claimed to be his eyes,  
The kingdom he claimed be his pride. "

For He is a man who has failed  
As a father, as a king, as a husband, a man  
Eternal shame shall be his destiny.

AUTUMN QUINN (PENNAME)

Chemical Engineering  
1st Year



## Unveiling My aspirations

As I navigate through the labyrinth of life, my constant companion is the flickering flame of ambition. Ambition, for me, is not merely a word but a driving force that propels me forward, igniting the desire to reach new heights and unlock the doors to untapped potential.

From the early days of my existence, I harbored a fervent aspiration to make a meaningful impact on the world around me. This ambition is not a fleeting fancy but a beacon that guides my choices, shapes my endeavors, and fuels my perseverance in the face of challenges.

At its core, my ambition is rooted in the pursuit of knowledge. The hunger for understanding,



for unraveling the mysteries of the world, propels me to explore diverse realms of learning. Whether it be delving into the depths of science, immersing myself in the beauty of literature, or deciphering the complexities of mathematics, my ambition acts as the compass, directing me toward the vast landscape of knowledge.

Yet, my aspirations extend beyond the realm of personal intellectual growth. I harbor a profound desire to contribute meaningfully to society. This entails not only acquiring knowledge but also harnessing it for the betterment of humanity. Whether through



innovation, advocacy, or compassionate deeds, my ambition propels me to be a catalyst for positive change.

The road to realizing my ambitions is not without its share of obstacles. Challenges are not deterrents but stepping stones that fortify my resolve. Each setback is a lesson, each triumph a testament to the unwavering spirit that my ambition instills within me.

In the tapestry of my aspirations, there is a thread of altruism. I envision a future where the fruits of my endeavors ripple beyond personal success, touching the lives of others in a profound and positive manner. My ambition, therefore, is not selfish but a shared endeavor to contribute to the collective well-being of humanity.

In conclusion, my ambition is the driving force behind my quest for knowledge, my desire to contribute to society, and my resilience in the face of challenges. It is the silent architect of my aspirations, guiding me toward a future where my endeavors transcend personal success to create a positive impact on the world.

**ADITYA GUPTA**  
Chemical Engineering  
1st year



# Our Souls

Did you know?  
Our souls ever touched...  
You were waiting, I rushed...

Founding new hopes in this  
universe of misconception,  
I lost my path of getting back,

Still traveling where you exist,  
Your faint blow in my chest  
nearly vanished,

I cry near, my love, hold me firm.  
Tell me you'll stay, just confirm,

It's just so beautiful,  
with your presence.

Still, Our matter  
without soul consists the  
beauty of this raven, That,  
our souls touched in heaven...



**DIYA DEWANGAN**

Electronics and  
Communication Engineering  
1st year



# A Green *Lavender*

This poem is about a lavender, an unusual one. And describes what the other flowers, the butterfly and a perfumer have to say about it, and what goes through the minds of the lavender.

"Modest lavenders we are,  
You are a thorny thicket.  
The wind celebrates our shades,  
And exposes your timid twigs."

"Camouflaged you stand in your bushes,  
Even are your leaves but odd you are.  
We don't visit you, you deceive us, a mockery!  
Weeds give no nectar."

"Fragrance is the essence of flowers  
And pride it is for me,  
Perfumes I make, a Chanel I am,  
From the best of lavender lavenders."

That's what they say,  
Because unique is too unnatural. Abnormal.  
Because different is too deviant. Illegitimate.  
Because I am a lavender in a Malachite Green.  
Why am I green?

**ASHHAD**

Electronics and  
Communication Engineering  
1st year



# Unveiled

In the masquerade of life,  
where masks conceal,  
Each soul dances its intricate spiel;  
In the grand cabaret of desire and gain,  
Innocence stumbles,  
amidst shadows and pain.

Underneath the camouflage,  
humanity's plea,  
Cravings for belongingness,  
longing to be free;  
Beyond pretense,  
only an honest heart exists,  
That finds solace in  
truth without trepidations.

As each layer is peeled off bearing a piece,  
Revealing truths that tend to give us release;  
Accepting our vulnerability can be might,  
A darkness will be lit bringing forth light!

**ARSHI KHAN**

Chemical Engineering  
3rd Year







# Clubs and Committees

## Reports





# Abhinay - The Dramatics Club

Abhinay – The Dramatics Club started the year with performing a nukkad natak “**Aatmghaat**” on the occasion of “World Suicide Prevention Day” on the theme of “**Creating Hope through Action**” under National Health Programme. The street play was staged under the guidance of Dr. Govardhan Bhatt and Ms. Leena Gauraha from Sparsh Clinic. Followed by UNKAHI 19.0: Open Mic in collaboration with Turing Club of Programmers of NIT Raipur on the theme of ‘**Halloween**’. In this event, various participants showcased their talent of singing, stand-up comedy, poetry, storytelling, mono-act.



Later this year, the dramatics club performed a street play on corruption on occasion of **Vigilance week**. Nukkad natak highlighted various ways through which corruption takes place in our country. Abhinay consistently demonstrates proactive engagement beyond the confines of our college, exemplified by their recent performance in the Nukkad Natak Competition at Oriana; an annual fest organized by AIIMS Raipur. An original nukkad “**Brashtachaar Par Vichaar**” showcasing reason, damage done by Corruption in our society and resolve, what we can do as public.

Furthermore, they delivered a humorous **mime** monologue titled “**Bus Stop**” Through gestures and expressions, we portrayed a series of comical vignettes depicting everyday occurrences of various bus stop passengers. The club collaborated with E-Cell and performed a stage play named “**Family Business**” on E-Summit 2023. This comedy play followed a reluctant heir inheriting a surprising family tradition - the begging business. Students showcased their fine acting and mimicry skills in this play.

The club afterwards, performed an artistic representation of teachings of Swami Vivekananda on 12 January 2024 in line with **ViksitBharat@2047** on his birthday which is celebrated as National Youth Day in colleges and schools throughout the country. The performance takes the angle of modern youth problems such as intoxication, anger, greed, etc. which are popular among youngsters nowadays.



In association with Sanskriti - The Cultural Committee, Abhinay delivered a sketch on Republic Day, skillfully depicting the rich history associated with this significant day. They also collaborated with the Innovation Cell and performed “**Digdarshak**” at **AVINYA**, depicting the poignant journey of a theatre teacher and his student. The narrative explored their separation, driven by the student’s pursuit of cinema. Years later, a reunion unfolded, resolving misunderstandings and weaving a touching tale of passion and reconciliation.

The club actively engaged in various competitions and emerged victorious, showcasing their talent and dedication. Abhinay represented NIT Raipur in the Nukkad Natak Competition at Technovate’24, an annual fest organized by IIIT Naya Raipur. They won the **first position** with its nukkad, ‘**Kaun Banega Joker**’. The club also participated and won the **first position** in the Nukkad Natak competition, Goonj at **Eclectika’24**, the cultural fest of NIT Raipur.



Lastly, Abhinay performed a nukkad natak in front of The central garden of NIT Raipur titled ‘**KYUN, KISE, KISLIYE**’ to aware teenagers about their right and duty to vote, a reminder that every vote matters and the significance of the awareness of whom to choose to lead the nation.

Abhinay, the Dramatics Club, encountered a multitude of both obstacles and triumphs throughout the year, all of which were met with fortitude and determination. As the year draws to a close, Abhinay eagerly anticipates an even brighter and more prosperous year ahead, brimming with new opportunities and achievements.





# Click Club



Click Club is the official photography club of NIT Raipur. The club is run under the guidance of faculty incharge Dr. S Sanyal Sir and Dr. Ankur Gupta Sir, Club covers the all the major events and activities in the college. Click Club has evolved over the time and it is one of the most active club that works throughout the year. The club offers a supportive community for photography enthusiasts to share tips, techniques, and creative ideas. It's a space where members can learn from each other, collaborate on projects, and participate in photo walks and shine their skills.

## AURA

Aura is a 3-day photography exhibition for the college students to look and explore more about photography. Whether it's capturing landscapes, people, cultures, or abstract concepts, Aura have a way of sparking conversations and evoking emotions.



## WORKSHOP

The Club also organises a 2-day Basic Photography Workshop, under the supervision of Dr. S Sanyal. On first day students are introduced with topics like camera handling, Rules and composition, types of lens, cameras, and the importance of lighting in photography. On the second day guest session is organised where famous photographers come and share their experiences. This year well known photographer from Bollywood industry Mr. Shubham

Sharma was invited, who covered the session about his photography skills and shared some tips and tricks during a photowalk organised around the campus.



## COMPETITIONS

Club also organises photography competitions with exciting prizes throughout the year, providing a platform for students to showcase their talent.



## PIXELLANE

This exhibition is held during Eclectika- TheCultural fest of NIT Raipur. This year it was inaugurated by our director Dr. NV Raman Rao in presence of Dr. Sanyal Sir and Dr. Nitin Jain Sir The exhibition covers a varied range of genre of photography from architectural photography, street, astro and much more. Pixellane offers visual storytelling and allows you experience the world through someone else's lens. This showcase a diverse range of perspectives, styles, and subjects, making them both inspiring and interesting.



# The Entrepreneurship Cell

## About Us:

### WE PROMOTE STARTUPS

The Entrepreneurship Cell, NIT Raipur also known as E-Cell, NIT Raipur is a non-profit organisation run by students under the sagacious guidance of the management. We are a bunch of self-driven folks who strive hard to convert dreamers into doers. To help youth break the shackles of prejudices associated with entrepreneurship, we provide them with resources such as fresh ideas, mentorship programs, workshops by the pioneers of the industry and interactive speaker sessions. We give wings to ideas by helping them get quick access to seed funding which helps the startup stand on its feet.



### Atal Innovation Mission: 21st August 2023

The Entrepreneurship Cell of the National Institute of Technology Raipur visited different schools to deliver seminars on various topics which come under the Atal Innovation Mission (AIM), the Government of India's flagship initiative to create and promote a culture of innovation and to develop the spirit of entrepreneurship among the youth. We conducted a seminar on the topic "Artificial intelligence and Machine Learning along with Drone Technology" at Bharat Mata Senior Secondary School.

### Workshop on Entrepreneurship for Everyone at NIT Raipur:

On the occasion of World Entrepreneurs' Day, a speaker session titled "Entrepreneurship for Everyone" was organized by the Entrepreneurship Cell (E-Cell) NITRR at E-hall, NIT Raipur. The event took place with the esteemed speakers and co-founders of VsnapU, Mr. Taranbir Sahni and Mr. Parminder Sahni who delved into the broad question, "Is Entrepreneurship for Everyone?" and shared their knowledge and experience with the students.

### An interactive session on Grow Your Startup in Digital Space: 24th August 2023

A speaker session titled "Grow your startup in digital space" was organized by the Entrepreneurship cell NITRR at E-Hall, NIT Raipur. This insightful session explored the realm of digital marketing, how does marketing your product online influence its popularity and overall reach with the esteemed speaker Mr. Adarsh Mishra, leading food blogger, YouTuber and Founder of The Digital School Raipur.

### E-Cell facilitates women entrepreneurs for the MSME Idea Hackathon 3.0:

The Entrepreneurship Cell (E-Cell) at the National Institute of Technology Raipur (NITRR) hosted the MSME Idea Hackathon 3.0 (Women), a Nationwide Women Hackathon with the objective to create an ecosystem for women to understand and explore opportunities in the industry. Ideas were invited under MSME Idea Hackathon 3.0 from Women Innovators, Women Students, and Women-owned MSMEs from all over India that can solve problems faced by the local and global populace. Women entrepreneurs with the zeal to innovate and vision for society participated from all across India to demonstrate their ideas.



## Session on Entrepreneurship Development: 9th September 2023

A speaker session on Entrepreneurship Development was organised by the Entrepreneurship Cell (E-Cell), NIT Raipur in Collaboration with Think India, G-20 Summit, NIT Raipur Foundation for Innovation and Entrepreneurship (NITRRFIE), Swavalambi Bharat Abhiyan and the Institutional Innovation Council at the National Institute of Technology, Raipur with esteemed speakers, Prof. Sanjeev Parashar (Professor, IIM Raipur), Professor NV Ramana Rao (Director, NIT Raipur), Ms. Suman Mutha (Statewoman Coordinator, Swavalambi Bharat Abhiyaan), Dr Anand P Joshi (Board of Directors, VY Hospital), Prof. Samir Bajpai (Head, CDC), as well as Dr. Anuj Kumar Shukla (CEO, NITRRFIE). The aim of the session was to promote Entrepreneurship Development and startup culture among the students.

## PW Career Guidance Session: 6th October 2023

The Entrepreneurship Cell of NIT Raipur organized the career guidance session on 6 October 2023 featuring Diptanshu Sir, a distinguished faculty member at Physics Wallah, as the guest speaker. Diptanshu Sir, with his extensive experience and notable achievements, provided valuable insights and guidance to the attendees.

## E-Summit'23:

### 3rd, 4th and 5th November 2023

E-Summit, the flagship event of E-Cell involves interactive sessions by eminent people in this field. The speakers during E-Summit share their views on entrepreneurship, their life journey with the audience and their struggles during their journey while setting up their start-ups.

This year we had with us Mr. Arsh Goyal, Senior



Software Engineer at Samsung, who is a tech enthusiast and content creator and Mr. Rishabh Telang, fitness coach and Founder of Cult.Fit for "Entropy", Mr. Kamlesh Ghumare (Jugaadu Kamlesh), owner of KG Agrotech and renowned participant in Shark Tank India and Abhishek Dubey, the founder of Muskan Dreams for "Uthkrishth", Mr. Meghal Agrawal, a Founding Member at GimBooks and Founder & CEO at CodeNicely & WedNicely for Alums Talks.

We had various investors from all over India as prominent judges in E-SUMMIT'22.

Apart from this, there were various events like Startup Expo, Innovation Manthan, B-Model Competition, B-Case Study, B-Quiz, Wall Street and Crinometrica.





# Eclectika '24

Eclectika '24, a superhero-themed extravaganza, unfolded over three exhilarating days, showcasing a myriad of enthralling competitions and performances that captivated the audience. The Clash of Choreos, Goonj, Eclectika Idol, Kalopsia, Avirbhaav, Allure, and Tafree filled the event with breathtaking dance, acting, musical brilliance, artistic excellence, live bands, fashion showcases, and stand-up comedy, respectively. Eminent personalities like Komal Rangsaaji, RJ Payal Vishal, Shabnam Khan, Mirchi Nandini, Akanksha Mishra, Ankit Blessen, and Dr. Treena Minz served as judges for these events.

Club and Raaga Club. The grand finale, Celeb Nite, featured renowned singer Yasser Desai, leaving an indelible mark on the hearts of all attendees.

Moreover, Sanskriti's ingenuity shone through promotional events like the Superhero-themed Treasure Hunt and spontaneous Flash Mobs. The celebration of Makar Sankranti through the Kite Festival and the commemoration of Republic Day further underscored Sanskriti's commitment to fostering community spirit and tradition.

In essence, Eclectika '24 epitomized Sanskriti's dedication to enriching campus life and fostering a sense of belonging among students. As the cultural nucleus of NIT Raipur, Sanskriti continues to unite students in a celebration of diversity and creativity, inspiring dreams and igniting passions with every event. With Sanskriti at the helm, the adventure never ceases, and the possibilities remain endless.



Additionally, mini-events such as Battle of Bottles, Darts, Am I worthy?, Papertopia, Escape room, and Rangoli added to the festival's charm. The festivities kicked off with electrifying performances at EDM Nite by DJs O2 and SRK, followed by captivating displays of talent at Cult Nite by Nrityam







# Engineer's Day Quiz

The Interact Club organised the Engineer's Day Quiz on September 15, 2023, focusing on advancements, science, and general knowledge. The event saw enthusiastic participation from across the college, with six teams advancing to the final buzzer round. Following an intense final quiz session among the finalists, the top three winners were awarded prizes worth \$8,000 and certificates.

**Winners: 1st : Prajwal Kambale & Lucky Sanodiya**  
**2nd : Aditya Gil hare and Rishabh Jain**  
**3rd : Jayant Rajput and Divyam Dixit**

## The Technomic Quotient:

The Interact Club, in collaboration with The Technocracy, organized the Eleventh Edition of TTQ on October 28, 2023, during Aavartan 2023–24, coinciding with the club's 11th anniversary. The event featured two rounds, with the initial round being subjective and drawing participation from over 100 teams. From these, six teams advanced to the finale. The quiz covered topics in technology, business, and general knowledge. Finalists were rewarded with certificates and prizes worth \$10,000.

**Winners : 1st : Vikas Piprani & Ashish Agarwal**  
**2nd : Prahlad Khairnar & Prakhar Shrivastava**  
**3rd : Aditya Kumar Dubey & Gurudev Singh**

**I-Quest:** The Interact Club organized I-Quest on February 25, 2024, in collaboration with team Sanskriti, on occasion of Eclectika, a cultural festival. The 10th edition was organized offline after a long two years. The quiz witnessed massive participation from inter- and intra-colleges, with 100+ teams. After a great quizzing finale, the top 3 teams were announced and presented with prizes, and their names were imprinted on the I-Quest trophy.

**Winners : 1st : Prajwal Kambale & Saatwik**  
**2nd : Gurdev Singh & Aditya Kumar Dubey**

**About Us:** Interact: The Quiz Club, which commenced its journey in 2013, became an integral part of NIT Raipur's Club Matrix in 2016 as the official quiz club of our college, operating under the guidance of Dr. Ayush Khare. Since then, it has



actively organized various quizzes to increase the quizzing culture in our college and provide a platform for quizzers to show their mettle. Throughout the year, the club conducted over 5 online quizzes and in offline mode as well, with even more engaging quizzes, experiencing significant growth in all aspects. Furthermore, the online presence has expanded, boasting over 8,000 members in its Facebook group and approximately 1,200 followers on Instagram. The club successfully hosted three offline quizzes: the Engineer's Day Quiz, the 11th edition of Technomic Quotient during Aavartan, and the 10th edition of I-Quest during Eclectika. Interact Club continues to thrive as a vibrant hub for quizzing enthusiasts, promoting curiosity and community engagement through its events.



# Finance And Consulting Club

## VISION AND GOAL:

The Finance and Consulting Club at NIT Raipur aims to bridge the gap between students and financial knowledge and career transitions. Club provides opportunities to explore exciting careers in finance, consulting, and data analysis. They connect students with industry experts and alumni, provide practical financial skills, and fosters a strong network between students, and businesses.

## CASE CHRONICLES:

The club conducted two sessions of in-house masterclass named "Case Chronicles" for club members interested in case competitions. Eminent speakers Mr Ayush Tiwari, Mr Shubh Kela and Mr Faisal Khan shared their experiences in the field of consulting and case studies to widen the knowledge of club members. They had a very engaging talk with team members and suggested key pathways to consulting.

## NON-CORE WEEK:

The club conducted its first series of events, the Non-Core Week in October 2023, aimed at introducing everyone to the club and its vision. Which included events like Club

Orientation, Quiz, Workshops (like Consulting 101, Finance Odyssey) and Guess-It-Mate Challenge.

The club conducted online workshops Consulting 101: Discussing Consulting and Beyond and Finance Odyssey. Eminent speakers, Mr Shubham Tiwari, Mr Tarun Kaushik, Mr Vignesh Kamath and Mr Chinmay Cholkar shared their experiences with 250+ attendees. The erudite guests delved into an interactive discussion with participants and resolved their

queries.

The Guess-It-Mate challenge was a guesstimate competition, in which the participants were evaluated based on their ability to make accurate estimations based on limited information. The challenge involved presenting participants with questions or problems that required them to use their knowledge, intuition, and reasoning skills to make a reasonable guess.

## MASTERING CASE COMPETITIONS:

The club conducted a webinar named "Mastering Case Competitions" for those interested in case competitions and aim consulting as their future endeavour. Eminent speaker, Mr Aryansh Singh shared his experiences in the field of consulting and case studies to widen the knowledge of 150+ attendees.





### **MONEY HAUL 3.0 :**

Money haul 3.0 was a online mock stock trading competition held from 8th January 2024 to 12th January 2024 in which the participants were provided with virtual money and they had to invest in real-time market simulation. The ones who ended up making the most profit were declared winners.

### **FINANCE FRONTIERS :**

Finance Frontiers: Managing Personal Finance was a speaker session organised by the club in January 2024. The objective was to spread awareness regarding personal finance between the undergrads. Speaker Samveg Thaker shared his experience and expertise in the field and solved queries of the audience.

### **CASE-O-MAZE :**

The club hosted a national level case competition in two phases on Unstop in January 2024. 250+ teams all over from India participated in the competition and they were evaluated on their ability to make accurate estimations, critical thinking and problem solving skills.

### **MUDRA :**

The club conducted its flagship event, Mudra, in January 2024. It involved two daughter events - Speaker Session & Business Quiz.

Business Quiz consisted of two rounds and was the second installment of the B-Quiz series. The event was organized offline with the aim of introducing undergraduates to businesses, finance going around the world and inspiring them through quizzes that broadened their knowledge and fostered team spirit.



Speaker Session was a insightful event speaker Mr. Abhishek Gupta shared his experience throughout his life from pursuing engineering to starting AB Classes. He motivated students towards diversification of skills and emphasized learning rather than just studying.

### **FINANCIAL LITERACY :**

The club collaborated with Reserve Bank of India and organised a speaker session at the institute during the cultural fest Sanskriti. Financial Literacy was a insightful session addressing financial awareness & literacy, world of finance and role of RBI. Esteemed speakers from RBI shared their experience and expertise with the audience.





# World Entrepreneurs Day Celebration



The Innovation Cell commemorated World Entrepreneurs Day on August 21st, 2023, through a diverse array of activities geared towards fostering entrepreneurship and innovation among students. The celebration included an inter branch quiz, a seminar, a design thinking workshop, and an alumni I-Talk.

## 1. ElevateX - The Entrepreneurial Trivia Quiz:

The centerpiece of the celebration was the ElevateX - The Entrepreneurial Trivia Quiz held on the same day. This interbranch quiz competition, aptly named ElevateX, challenged participants' knowledge and passion for startups and entrepreneurship.

## 2. Seminar:

Following the quiz, the festivities continued with a seminar on August 24th, 2023, featuring an expert panel discussion. Divided into two parts, the seminar delved into crucial aspects of entrepreneurship. Part 1 explored "Entrepreneurship as an Alternate Career Choice," while Part 2 focused on "How to Approach and Master AI: First Steps Towards AI Innovation." Notably, the panel comprised esteemed alumni Aditya Agarwal, founder of SuperU.ai, and Dhruv Singh, founder of Samajh.ai, who shared insights gleaned from their entrepreneurial journeys..

## 3. Design Thinking Workshop:

On August 26th, 2023, students had the opportunity to participate in a hands-on Design Thinking Workshop conducted by Disha Kaushal. As a certified design thinking instructor with experience teaching at prestigious institutions like IIMs, she guided participants through the

principles and applications of design thinking, emphasizing its role in fostering innovative problem-solving approaches.

## 4. I-Talk:

The grand finale of the celebration took place on August 28th, 2023, with an engaging I-Talk session titled "How to Build an Analytical Mindset for Problem Solving." Led by Ajit Deshpande, CEO of rises.io and an esteemed alumnus of the college, the session provided invaluable insights into developing analytical skills essential for effective problem-solving in entrepreneurial endeavors.

Through these meticulously curated events, the Innovation Cell aimed to inspire and empower students to embark on entrepreneurial ventures, equipped with the necessary knowledge, skills, and mindset to tackle real-world challenges innovatively.

## I-talks

Ajit Deshpande, CEO of rises.io and an NIT Raipur alum, led an I-Talk titled "How to Build an Analytical Mindset for Problem Solving" on August 28th, 2023. Deshpande shared strategies for tackling complex problems, aiming to enhance students' analytical skills. Organized jointly by the Alumni Association of GEC-NIT Raipur and NIT Raipur, the session aimed to inspire students across domains. Additionally, on September 12th, 2023, Archit Ojha, a product manager passionate about healthcare innovation, delivered an I-Talk on "The Startup Ecosystem in Silicon Valley and Career Trajectories Post NIT." Ojha offered insights into Silicon Valley's startup scene and career paths for NIT graduates, empowering students to



pursue entrepreneurial ventures or innovative careers. These I-Talk sessions provided invaluable guidance, inspiring students to pursue their entrepreneurial and career goals confidently.

## Workshops

On August 26th, 2023, Disha Kaushal, a certified design thinking instructor with extensive experience teaching at various IIMs, conducted a Design Thinking Workshop. Kaushal guided participants through the principles and applications of design thinking, offering valuable insights into problem-solving and innovation techniques. This workshop provided attendees with practical skills to approach challenges creatively and develop innovative solutions.

Continuing the series of workshops, on September 29th, 2023, Mandeep Toor, behavior design lead, and Srijana, design researcher, collaborated to conduct a workshop on "How to Build a Scalable Product." This event, organized in partnership with TITAN and DESIGN IMPACT MOVEMENT, aimed to equip participants with the knowledge and strategies necessary to create scalable products. Attendees gained insights into product development processes and learned techniques to enhance product scalability, fostering innovation and entrepreneurship.

## Avinya : February 9th, 2024

### Hogwarts Battle Royal Gaming Tournament (January 31st - February 1st, 2024):

The I-Cell Avinya main event, held on February 9th, 2024, was themed around Harry Potter and kicked off with the Hogwarts Battle Royal gaming tournament on January 31st and February 1st, 2024. This tournament,

featuring BGMI (Battlegrounds Mobile India), engaged participants in an immersive gaming experience.

## Inauguration Ceremony and Innovation Expo:

The main event commenced with an inauguration ceremony, followed by the Innovation Expo where students showcased their innovative projects. This platform provided students with an opportunity to present their creative endeavors and technological innovations to a wider audience, fostering a culture of innovation within the institution.

## Speaker Sessions:

The event featured enlightening speaker sessions by industry leaders. Akash Agrawal, founder of Zoff Foods, shared insights into entrepreneurship. This was followed by a session by Ajay Kumar Agrawal, Director at Deutsche Bank, who discussed industry insights, inspiring attendees with his expertise and experiences.





# About NCC OF NIT



CLICK CLUB NITRA

The National Cadet Corps, NIT Raipur under the unit 5CG CT(I) COY NCC is a student unit of the Indian Army which aims to develop a sense of discipline, rigour, and unity in the cadets. It provides a platform for the students to develop their personalities by engaging themselves in various events, the Guard of Honour, Indoor and outdoor sports events, gun firing practice, and Training camps aim to inculcate the values of teamwork and discipline in the cadets and exposure to life in the Army.

## 75th Republic Day

NIT Raipur celebrated the 75th Republic Day in the institute on January 26, 2024, with exalted enthusiasm, passion, and patriotism. The event commenced with Dr. Ramana Rao unfurling the national flag, followed by the national anthem. This was followed by a style march by a platoon of senior division and senior wing cadets, commanded by Senior Under Officer Deshansh Singh Tandey, saluting the tricolour and the honourable chief guest. The unit had also





organised a plantation drive to conclude the event with its sincere and heartfelt contribution to global welfare.

The cadets enthusiastically participated in the celebrations throughout their month-long practice and showed a true spirit of patriotism, unity, and discipline with their sheer determination. 5 CG CT (I) COY, NCC @NITRaipur thus concluded its 75th Republic Day celebrations, inspiring the forthcoming nation builders to contribute to the nation with the same high spirits and enthusiasm.

## NCC CAMPS

NCC camps are training camps organised by the National Cadet Corps where cadets undergo various activities, including drills, adventure sports, social service activities, and leadership training. These camps are aimed at fostering discipline, leadership skills, patriotism, and a sense of unity among the cadets. NCC camps are held at various locations across India throughout the year. In the years 2023–24, many cadets of NIT Raipur got selected for some national-level camps, which include:

**1. The TREKKING CAMP** was held in Amarkantak (MP) and conducted by the Jabalpur group of the MP-CG directorate from June 1–8, 2023. This camp mainly focuses on outdoor skills such as



navigation, map reading, camping, tent pitching, outdoor cooking, first aid, and wilderness survival techniques, enhancing their self-reliance and confidence in outdoor environments. Cadets used to walk or trek for around 7 km daily in different locations of Amarkanta



**2. The ADVANCED LEADERSHIP CAMP** took place in Nizamabad, Telangana, between July 6 and 17, 2023, under the control of Col. Rathore from the 12 Telangana Battalion. This camp



includes complete SSB training under Lt. Col. Pinaki Banik Sir, personality development training by the EXPA cadet group, and many speaking skills sessions. Senior Under Officer (SUO) Deshansh Singh Tandey, Mining 8th sem, was selected from our unit 5 CG CT I COY and excelled in speaking skills in the test.



**3. The EK BHARAT SHRESHTA BHARAT CAMP** was organised during 04 oct to 15 oct 2023 in Ujjain, (MP), under the supervision of Col GP Choudhary of 10 MP Battalion. This camp facilitates dance performed by G20 summit winners, different states cultural dance and singing performed by NCC cadets demonstrating their respective tradition. Cultural and diversity of states explained by ncc cadets of their respective states.

**4. The ARMY ATTACHMENT CAMP** is a specialised training program organised by the 7 CG Battalion Bilaspur, under the aegis of The Dogra Regiment, Central Command at Gwalior between 12th Dec to 23rd Dec 2023. This camp provides an opportunity for NCC cadets to gain firsthand experience and insights into the functioning and operations of the Indian Army &



cadets immerse themselves in military routines, drills, exercises, and field operations.



## Major Events

**1. NCC Day @RKC** - On the occasion of NCC day which is celebrated annually on the fourth Sunday of November, the Raipur Group HQ



organised an event at Rajkumar College which was graced by the presence of IPS Sanjay Sharma, The Chief Guest, Col. Saurabh Kumar and other dignitaries. The event had seen the participation of many NCC Units under the Raipur Group which participated in the drill march, military drills, horse-riding and other cultural activities that were presented in front of an enthusiastic audience. The SD cadets of 5 CG CT(I) COY, NCC Raipur bagged the Runners Up Trophy for the best Marching Contingent.

**2. Puneet Sagar Abhiyan - (NCC)** conducted the special 'Puneet Sagar Abhiyan', an extension of the Swachh Bharat Abhiyan to



promote clean and pollution-free water bodies, at Telibandha Lake in Raipur on 9th September 2023, Saturday. Over 2000 cadets from various NCC organisations in the Raipur group participated in the event, In Chhattisgarh state, 16 NCC units have been actively engaged in the campaign for the past year, organising awareness activities such as rallies, street plays, painting contests, and signature drives. The mega event featured the active participation of NCC Cadets from 5 CG CT(I) COY NCC RAIPUR, including the students of NIT Raipur.

**3. Blood Donation Campaign-** On the occasion of World Blood Donor Day, which is celebrated annually on 14th June, a blood donation drive was organised by our unit 5CG CT(I) COY NCC under the supervision of COMMANDING OFFICER Col. RAKESH BUDHANI in collaboration with the AIIMS Raipur. The aim of this event was to raise awareness about the importance of voluntary blood donation and encourage individuals to contribute to saving lives through this noble act. Cadets of NIT, IGKV & Science College actively participated in this campaign to serve for the betterment of the people.





# NITRR Motorsports Orientation Workshop (April 2023)

The club planned and executed a comprehensive induction program and workshop aimed at acquainting students with various facets of automotive engineering. Led by Dr. S. Sanyal, esteemed Professor of the Mechanical Engineering Department, the session delved into intricate details of the automotive sector.

Over 150 enthusiastic students actively engaged in the workshop, seizing the opportunity to deepen their understanding of automobiles and gain insights into the club's activities.



## **Dimensions with AutoCAD: CAD Showcase at Vigyaan 2023 (October 2023)**

The Club's event "Dimensions with AutoCAD" at Vigyaan, Central India's premier tech-fest by Technocracy, saw participants receiving specific CAD tasks. Within stipulated timeframes, participants showcased their CAD skills. After evaluation, top 3 winners were accoladed. The event highlighted the fusion of technical proficiency and imaginative thinking, fostering innovation in design among aspiring engineers.

## **Formula Bharat (May 2023 – January 2024)**

Formula Bharat is an engineering design competition in India that challenges student teams to design, build and race formula-style cars.

The event was held from 19th January 2024 to 24th January 2024, at Kari Motor Speedway Racetrack, Coimbatore, Tamil Nadu. Under the expert supervision of Dr. Sanjeev Kumar, "Team United Racing", participated in the Formula Bharat 2024 event under CV category. The vehicle was



manufactured over a span of 6 months which started in August 2023 and completed by the start of January 2024. The manufacturing phase started with the designing process and the building of the chassis, assembling and manufacturing the rest of the vehicle components, then proceeding to the testing phase.

Our achievement includes, 15th rank in Business Plan Presentation, 17th rank in the Engineering design, 11th rank in Cost and Manufacturing and an overall rank 17th among 34 participating teams from all across the nation.

#### 3-Day EXPO (February 2024)

In association with Team Sanskriti, our club organized a 3-day EXPO in the main event of Eclectika, with a footfall of more than 7000 people. The expo included detailed demonstration of how our formula-style car

was manufactured from scratch.

#### SAE e-BAJA (May 2023 – March 2024)

e-Bajaj, organized by SAE India, is a leading competition driving innovation in electric vehicles. Representing the institute, "Team IgNITRR" approaches with zeal and technical prowess, under the supervision of their professor in-charges Dr. Shailesh Vaidya, Dr. Ankur Gupta, and Dr. Sonti Venu.

The competition unfolds in three phases: In Phase-I, teams present virtual designs of the vehicle in the Preliminary Round. Phase-II includes the evaluation of virtual static and virtual dynamic events. Phase-III, the Physical Round, tests buggies on rugged terrains, alongside finals of Phase-II selected teams.

Team IgNITRR results across phases, ranking 25th in Design Event, 13th in Cost Event, and

25th in CAE Event in Phase-II, out of 86 teams. The final phase was held between 6th March 2024 to 9th March 2024. They secured 23rd place in Overall Design Event and 9th place in Overall Cost Event in Phase-III, held at BVRIT N a r a s a p u r (Telangana). With an overall rank of 55th out of 100+ participating teams all over India, they cleared all technical inspections for the dynamic events and are ready for future competitions.





# SHAURYA



"SHAURYA", the dynamic Sports Committee of NIT Raipur, stands as a beacon of sporting excellence, fostering a culture of athleticism and camaraderie within the institute. Composed of a dedicated group of students brimming with passion and enthusiasm, Shaurya goes beyond merely organizing tournaments. They act as tireless ambassadors for sportsmanship, actively fostering a sense of camaraderie and belonging among students. Their mission is to cultivate a well-rounded sporting experience, catering to every athletic inclination. From meticulously planning and executing high-stakes knockout tournaments to organizing light-hearted fun events that promote participation and inclusivity, Shaurya ensures that there's something for everyone. Their signature event, the annual SAMAR Fest, exemplifies this commitment perfectly.

Held from January 18th to 21st 2024, SAMAR'24 was a four-day extravaganza brimming with sporting spirit. Nearly 25 different indoor and outdoor games, including Football, Cricket, Handball, Chess, and Table Tennis, provided a platform for students to showcase their talents. The reach of SAMAR extended far beyond the walls of NIT Raipur, attracting enthusiastic participation from students of Rungta, CSVTU, Kalinga, and GEC colleges. This inter-college participation fostered a healthy exchange of skills and sportsmanship, with over 2500

students and 2100 sports persons actively involved.

Shaurya's meticulous planning ensured that every aspect of the fest exceeded expectations. Top-notch sporting facilities were meticulously maintained, providing ample space for both athletes and spectators to comfortably enjoy the games. Recognizing the importance of athlete safety, Shaurya ensured the presence of medical personnel throughout the event, ready to address any unforeseen emergencies. Each game was a testament to unwavering commitment, unwavering sportsmanship, and unwavering discipline. Highly trained referees ensured that the games were played by the rules, fostering a sense of fair play.

Team Shaurya also organized various sports and fun events on the occasion of National Sports Day. On the Rastriya Ekta Diwas, a Run for Unity was held by the Sports Committee to foster the unity, integrity, and security of the nation. Various other sporting events are coordinated by the team throughout the year.





# TCPxSHILPI-2



The Turing Club of Programmers is established with a vision to foster innovation and excellence in programming. As the official coding club of NIT Raipur, we are committed to providing a platform for students to enhance their programming skills and participate in various coding competitions. Under the guidance of its esteemed faculty in charge, Dr. Pavan Kumar Mishra, the club aims to cultivate a culture of learning, collaboration, and problem-solving.

Through out the year, the Turing Club of Programmer has organized the following events: Flagship event: Code Utsava:

Code Utsava 7.0 took place in November 2023, continuing its tradition of being a premier coding event. This event attracts participants nationwide, providing them with a platform to showcase their coding skills and innovative ideas. With over 2000+ registrations, representing 40+ colleges, and involving more than 500 developers, Code Utsava 7.0 witnessed an impressive turnout and participation.

Code Utsava 7.0 upheld its esteemed tradition by hosting a grueling 28-hour hackathon, challenging participants to push their limits. Teams of passionate coders engaged with

rigorous real life problem statements. The participants leveraged cutting-edge technologies and solutions to develop innovative solutions to these problems.

**Virtual Escape Room :** A game developed by us, where participant tackled puzzles and challenges in a digital environment, working to solve them and "escape" within a given timeframe.

**E-gaming:** Gaming enthusiasts competed in e-gaming tournaments, showcasing their skills and strategies in popular games.

**Tricoder Coding Contest:** Developers demonstrated their coding prowess in a competitive coding contest, solving algorithmic problems and showcasing their programming skills under pressure.

## Mentorship Program:

The Turing Club of Programmers at the National Institute of Technology Raipur continues its mentorship program aimed at enhancing the coding skills of the students of NIT Raipur. The objective of the mentorship program was to provide a structured framework for improving the proficiency of participants, by providing personalized mentorship, resources, curated roadmaps and fostering a supportive learning environment. The mentorship program actively engaged over 1500+ students for their placement and internships all year round.

The mentorship program is fully operated by the student body, with specially selected students from 3rd and 4th years serving as mentors and 2nd year students enrolled as mentees. Coding contests are organized on a bi-weekly basis where the students can test their knowledge about the topics in the roadmap.



## 30 Days of Code Challenge:

The Turing Club of Programmers (TCP) at NIT Raipur initiated the "30Days of Code Challenge" to enhance problem-solving and coding skills among first-year students, on April 1, 2024, and lasted for 30 consecutive days. The primary objective of the "30 Days of Code Challenge" was to instill a regular coding practice among participants, sharpen their problem-solving capabilities, and equip them for future coding competitions and professional challenges. Exclusively open to first-year students, the challenge offered an opportunity for early exposure to competitive coding. Each day, participants received carefully curated coding problems designed to expand their technical knowledge and problem-solving abilities. The progress of participants was closely monitored, with regular feedback provided to support and guide them throughout the challenge.

## Graph Bootcamp:

Team TCP put together a 4-day Graph Boot camp, which helped the students grasp the



complicated topic of graphs and helped them gear up for their internships and job placements. Led by a renowned competitive programmer, delved into fundamental concepts and advanced techniques. Each day covered different topics, from the basics to more advanced stuff like how to explore graphs and solve problems using them, which empowered the students to tackle graph challenges with confidence.

## Workshop sand Tech Talks:

In addition to the competitive aspect, CodeUtsava 7.0 also focused on enhancing the learning experience for participants. The event hosted workshops and tech talks conducted by industry experts. The sessions covered a wide array of topics, including machine learning, web development, artificial intelligence, and more.





# Team Technocracy

Team Technocracy, established in 2007 at NIT Raipur, has evolved into a dynamic force for tech innovation. Under the guidance of Dr. Manu Vardhan, they are dedicated to advancing technology on campus. From organizing flagship events like Aavartan to hosting workshops and hackathons, they aim to ignite a passion for tech among students. Their motto, 'Imagine, Improve, Implement,' encapsulates their commitment to innovation. During the 2023-24 session, they organized Engineer's Day, where students from Prerna School experienced immersive activities, lab tours, and insightful interactions with faculty members, fostering their interest and curiosity in engineering and architecture.

**AAVARTAN'23-24**, the highly anticipated tech event, returned with great success, attracting

participants from across India and neighboring states. The event kicked off with an inspiring inauguration ceremony followed by Vigyaan, the national-level science exhibition, which focused on the theme "Cosmoscape". Vigyaan, the centerpiece of AAVARTAN, aimed to nurture scientific curiosity and innovation, with 172 abstract submissions and 516 participants. After rigorous evaluation, 43 teams advanced to the finals, showcasing groundbreaking projects in AI/ML, IoT, healthcare, transport, and robotics. The event highlighted diverse innovations, with projects addressing societal issues and practical solutions. Notably, AAVARTAN extended beyond NIT Raipur, welcoming participation from other colleges. Overall, Vigyaan provided a platform for intellectual exchange, collaboration, and the pursuit of knowledge,







reflecting the spirit of AAVARTAN and NIT Raipur's commitment to education and innovation.

**AAVARTAN '23'24** Day 1 presents a vibrant array of events aimed at fostering innovation, skill development, and artistic expression. From refining engineering drafting skills in the AutoCAD Challenge to mastering real-world electronics in Circuitrix 2.0, participants engage in hands-on activities spanning urban planning with Ecopolis, rocket design with October Sky, and problem-solving in computer science through Speed Cubing. The Survival challenge tests teamwork and problem-solving in tech-driven scenarios, while Technomic Quotient 11.0 highlights the importance of staying abreast of technological advancements. Robotics innovation for challenging terrains is explored in Terrain Treader 2.0, while mesmerizing performances by Raaga & Nrityam showcase the captivating talent of NIT Raipur's performing arts community, creating an immersive and enriching experience for all involved.

**Day 2 of AAVARTAN** was a dynamic showcase of innovation and technology, fostering learning,

competition, and camaraderie among students, innovators, experts, and enthusiasts. The event featured diverse exhibits such as Aerofilia highlighting bridge design and structural integrity, Hydrolift showcasing hydraulic systems, Jenga promoting fine motor skills and strategic thinking, Mock CID integrating technology into immersive mystery-solving experiences, Robosoccer demonstrating robotics and AI advancements in

sports, and a Valorant Tournament fostering teamwork and strategy in competitive gaming. The Techfest concluded successfully, captivating attendees with a cosmic celebration of space technology and innovation, leaving a lasting impression on all involved.





# The Pukar Event

The Pukar Event, a collaborative initiative between the Go Green Club and Team Sanskriti of NIT Raipur, stands as a testament to the institute's commitment to promoting sustainability and fostering cultural enrichment. Spanning two days, from February 23rd to 24th, the event was designed to engage participants in exploring and advocating for sustainable living practices while celebrating the rich cultural heritage of our community. With active involvement from students, faculty, volunteers, and eco-conscious individuals, Pukar emerged as a vibrant and impactful occasion, leaving a lasting impression on all who attended.

**Event Highlights: Day 1: Puzzle Hunt:** The inaugural day of Pukar commenced with the Puzzle Hunt, an intellectually stimulating activity that challenged participants to unravel mysteries, crack codes, and solve riddles. This engaging exercise not only fostered teamwork and critical thinking but also injected an element of fun into the educational process.

**Pot Painting:** Simultaneously, the Pot Painting activity provided a platform for participants to unleash their creativity while emphasizing the importance of eco-friendly decoration techniques. By repurposing ordinary pots into works of art, participants learned valuable lessons about upcycling and sustainable design practices.

**Amulya Exhibition:** The Amulya Exhibition served as an interactive learning experience, inviting participants to explore a diverse array of plant species and their ecological significance. Through the use of QR codes, attendees were able to delve deeper into the world of botany, gaining insights into the importance of biodiversity and ecosystem preservation.

**Day 2: Eco Quiz:** The second day of Pukar kicked off with the Eco Quiz, a knowledge-based competition designed to test participants' understanding of environmental sustainability, conservation efforts, and eco-friendly practices. This educational initiative provided a platform for participants to

deepen their understanding of pressing environmental issues while fostering a spirit of healthy competition.

**Snake Mania:** Snake Mania offered attendees a unique opportunity to learn about snake conservation and safety measures, raising awareness about the ecological importance of these often-misunderstood creatures. Through informative presentations and interactive demonstrations, participants gained valuable insights into the role of snakes in maintaining ecological balance.

**Honor the Heroes:** The "Honor the Heroes" segment paid tribute to individuals and organizations dedicated to environmental conservation and sustainability. Through heartfelt testimonials and recognition ceremonies, the event celebrated the tireless efforts of those who have made significant contributions to protecting our planet and inspiring positive change.

**Handicraft Workshop:** Concluding the event, the Handicraft Workshop provided participants with a hands-on opportunity to engage in sustainable handicraft activities. By repurposing recyclable materials and embracing traditional crafting techniques, participants explored innovative ways to reduce waste and promote environmental stewardship.

**Success of the Event:** The collaborative efforts between the Go Green Club and Team Sanskriti resulted in a highly successful event that surpassed all expectations. Participants, volunteers, faculty members, and attendees from all walks of life enthusiastically embraced the event's theme of sustainability and cultural appreciation, contributing to its resounding success. The event effectively achieved its objectives of promoting sustainability, fostering community engagement, and celebrating cultural diversity, leaving a lasting impact on all who attended.





# UBA Report

Under this flagship program of rural development, the Institute has also adopted five nearby villages namely Nardaha, Bendri, Chataud, Pacheda and Pirda.

The institute has organized a student visit programme of Akanksha Residential School, Janjgir-Champa on 29th December 2023 in the Department of Architecture, Computer Science, Electrical Engineering, and Mechanical Engineering, where Students got to explore the technical knowledge of different Operating Systems, various machines, latest tools and techniques used in daily operations along with their demonstration in different departments of NIT Raipur.

The student visit programme was planned to encourage students to study in such institutions for their graduation and higher studies. The team of students and faculty members of the Institute visited Gram panchayat of adopted village Nardaha for the Republic Day celebration on 26th





January 2024 under UBA Programme, where Cultural activities were performed by School students of the village and also a Republic Day speech, a patriotic dance performance, and Yoga performance to motivate students and teachers towards fitness were given by the students of NIT Raipur.

Also, a set of Motivational and informative books were gifted for the library of the school. The initiative showcased the commitment of the institute to social causes and collective efforts towards building a stronger and united India.







# Departmental Activities



# 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:

## Head of Department:

Dr. Amit Keshav

## Faculty Incharge:

Dr. Chandrakant Thakur, Asst. Professor

## President:

Aparna Gupta (8th Sem)

## Vice President:

Karan Singh Raghuvansi (6th Sem)

## Secretary:

Prachi Rajput (6th Sem)

## Joint Secretary:

Yash Prasad (4th Sem)

## Treasurer:

Vikas Dewangan (4th Sem)

The major events conducted by CHEANIT in the session 2023-24 are:

1. Teacher's Day Celebration
2. Welcome party For Batch 27
3. Aptitude Test 1
4. Mock Group Discussion
5. Aptitude Test 2
6. Gate Mock Test
7. Career Guidance Session
8. Industrial Visit
9. Aptitude Competition
10. Makar Sankranti Celebration
11. Chem fest
12. Guest Lecture
13. Holi Celebration

## Upcoming planned event:

1. Placement Guidance Session
2. Farewell

## 1. Teacher's Day Celebration

The Teacher's Day Event, orchestrated by the association members of CHEANIT, unfolded on the 5th of September at 5:00 PM with a primary objective of commemorating and





honoring the significant relationship shared between teachers and students. Commencing with a ceremonious cake cutting, emblematic of the festive spirit, the event initiated its proceedings. Subsequently, a quote competition ensued, wherein participants eloquently expressed the profound bond existing between educators and learners, fostering a platform for creativity and contemplation on the pivotal role of mentors in shaping lives.

Moreover, the event featured a series of engaging fun games, such as deciphering movie titles from emojis, which served to infuse an element of excitement and amusement into the gathering, thereby

nurturing a sense of camaraderie among attendees. In conclusion, the Teacher's Day Event, meticulously organized by CHEANIT, left an indelible mark as a memorable and enjoyable





affair, uniting students and professors alike in a shared celebration of the invaluable contributions rendered by teachers.

Effectively encapsulating the essence of Teacher's Day, the event cultivated an atmosphere of profound appreciation and gratitude towards educators, as demonstrated by the spirited participation and camaraderie that pervaded the occasion.

## 2. Welcome party For Batch 27

On September 29th at 2 PM, CHEANIT hosted an energetic welcome party to embrace Batch 27, aimed at fostering a sense of community among both new and existing students while providing an enjoyable atmosphere to initiate their journey at our institution. The event commenced with a cordial welcome extended to the incoming batch, marked by the presentation of pens symbolizing the outset of their academic endeavors, followed by a joyous cake-cutting ceremony to signify the celebratory spirit.



Professors were then honored with saplings, symbolizing growth and the nurturing environment of our institution. The evening



was further enriched with vibrant performances by both senior and junior students, showcasing their talents and contributing to the festive ambiance. Engaging fun games, including stand-up comedy, were also organized to encourage interaction and camaraderie among attendees. In conclusion, the welcome party for Batch 27 proved to be a resounding success, uniting students and faculty in a spirit of camaraderie and celebration, thus providing a memorable introduction to the new academic year and setting a promising tone for the journey ahead.

## 3. Aptitude Test

On the 6th of October, 26th of November and 7th of February, CHEANIT conducted an Aptitude Test for second and third-year students aimed at enhancing their





preparedness for placement examinations. The test, structured to emulate the format and challenge level of such assessments, encompassed quantitative aptitude, logical reasoning, and verbal ability components within a predetermined time frame. Prior to the test, participants were provided with comprehensive instructions to ensure equitable conditions.

Subsequent feedback from participants was predominantly positive, indicating their appreciation for the opportunity to evaluate their readiness and identify areas necessitating improvement. It was noted that the test significantly bolstered participants' confidence levels and served as a motivational impetus for their future examination preparations. Thus, the test effectively accomplished its objective of readying students for placement aptitude examinations.

#### 4. Mock Group Discussion

The Chemical Engineering Association of NIT Raipur (CHEANIT) facilitated a mock group discussion session on October 15, 2023, for the department's students, adhering to the principle that the objective of argument or discussion should not solely be victory, but rather progress. Emphasizing the notion that constructive discussion enriches the





understanding and perspectives of all participants, the session aimed to foster intellectual growth among students. By providing a platform for the exchange of knowledge and ideas, the discussion sought to broaden the horizons of each participant. This initiative underscores CHEANIT's commitment to promoting an environment conducive to learning and intellectual development within the department.

### 5. Gate Mock Test

On January 23rd, the Chemical Engineering Association of NIT Raipur (CHEANIT) conducted a mock test, illuminating the path to the GATE examination for its students. This event served as a pivotal checkpoint, affirming the students' alignment with their preparation trajectory. Emphasizing the invaluable nature of setbacks

as opportunities for growth, the mock test underscored the journey's significance, reminding participants that each trial brings them nearer to their objective.

As aspirants now embark on their final preparations for the GATE exams, they carry with them the well-wishes and encouragement extended by CHEANIT, fostering an atmosphere of determination and support among all participants.

### 6. Career Guidance Session

On January 25th, CHEANIT hosted a career guidance session for second-year students, aimed at providing insights into career prospects, case competitions, and Pre-Placement Offers (PPOs). The session, attended by eager students, began at 1:00 PM and emphasized essential skills for career success. It





covered diverse career paths within fields like Information Technology, Business Management, etc., offering insights into emerging trends and job roles.

Additionally, students learned about the significance of case competitions for enhancing problem-solving and teamwork skills, with examples provided for practical understanding. The session concluded with guidance on securing PPOs, including resume building and effective networking. Overall, the session was informative and empowering, enabling students to make informed decisions about their future endeavors.

## 7. Industrial Visit

On January 27th and 28th, second-year students from the Department of Chemical Engineering and Applied Sciences (CHEANIT) undertook an industrial visit to a sugar factory, aimed at providing practical insights into unit processes and operations within the sugar manufacturing industry.

Guided tours and interactive sessions allowed students to witness firsthand the operational



processes involved in sugar production, including extraction, clarification, evaporation, crystallization, centrifugation, and drying. This experience enabled students to bridge the gap between theoretical knowledge and practical application, enhancing their understanding of core subjects like chemical engineering in industrial contexts.

The visit underscored the significance of theoretical concepts in real-world scenarios, emphasizing the relevance of academic learning to industrial processes. Overall, the industrial visit proved to be an educational and informative endeavor, facilitating a deeper appreciation of the practical application of academic principles in industrial settings.

## 8. Makar Sankranti Celebration

On the 14th of January 2024, the Chemical Engineering Association at NIT Raipur orchestrated a delightful celebration of Makar Sankranti with a unique chemical twist through Kite-Saga. Despite physical distances, the event successfully infused the warmth of home into the hearts of our students. The festivities, ranging from traditional Pithul rituals to a day brimming with engaging events, ensured that







every chemical enthusiast experienced the joyous spirit of the season.

Kite-Saga not only honored tradition but also fostered a sense of community and belonging among participants, embodying the essence of celebration and togetherness.

## 9. Chem fest

The Chem Fest 2024 was a captivating showcase of sportsmanship and camaraderie, spanning from the 8th to the 18th of February. The event witnessed thrilling showdowns across various sports, including cricket, basketball and chess, igniting an atmosphere charged with excitement and competitive spirit.

Bringing together students from the 2nd, 3rd, and 4th years, the festival epitomized the essence of teamwork and unity. A perfect amalgamation of outdoor and indoor sports



provided ample opportunities for interaction and bonding between juniors and seniors alike. As the festivities concluded, the resounding cheers echoed a sentiment of anticipation for the continued celebration of games and friend





## 10. Guest Lecture

On February 9th, 2024, the Chemical Engineering Association of NIT Raipur (CHEANIT) successfully organized a guest lecture featuring our esteemed alumni Nidhi Pandey Ma'am. Ms. Pandey, a graduate of the Chemical Engineering department, is currently the founder and promoter of Ten Eighty Investments.

Prior to her entrepreneurial venture, she garnered valuable experience as a Senior Technical Executive to the CMD at Sarda Energy and Minerals Limited. The lecture, titled "Value Investing in Market, Life and Beyond," captivated an audience exceeding 120 participants. It included BTech, MTech, and PhD students from the Chemical Engineering department, all actively engaged throughout the session. Ms. Pandey's insights transcended the realm of financial markets, delving into the



art of identifying value in various aspects of life.

The event fostered a vibrant interaction between Ms. Pandey and the student body. It proved to be a resounding success, enriching the students' perspectives and fostering a sense of connection with a distinguished





alumna.

## 11. Holi Celebration

On March 21st, 2024, the Chemical Engineering Association of NIT Raipur (CHEANIT) transformed the football ground into a vibrant canvas of celebration for their annual Holi festivity. The event, open to all BTech, MTech,

and PhD students within the department, drew an enthusiastic crowd of over 150 participants. The air buzzed with excitement as students, young and old, came together to embrace the spirit of Holi. Colorful powder paints, playful water balloons, and joyous music filled the atmosphere.

Beyond the revelry, the event fostered a wonderful opportunity for interaction between seniors and juniors. The playful banter and shared laughter helped to strengthen existing bonds and forge new friendships across different year groups. CHEANIT's Holi celebration proved to be a resounding success, solidifying the department's sense of community and creating lasting memories for all involved.





# METSO ANNUAL REPORT

2023-24



DREAM HARDER  
WORK HARDER



## Introduction:

METSO is a dynamic and thriving community dedicated to advancing knowledge, fostering innovation, and promoting excellence in the field of metallurgy. As one of the premier clubs at NIT Raipur, METSO brings together students, faculty, and industry professionals who share a passion for metallurgy.

## Overview of METSO:

Founded with a vision to create a platform for learning, collaboration, and professional development, METSO has evolved into a vibrant hub of academic and extracurricular activities. Our club organizes a wide range of events, workshops, seminars, and industrial visits to provide members with valuable insights into the latest advancements in metallurgical sciences and engineering.

## Mission Statement:

Our mission at METSO is to cultivate a culture of excellence, innovation, and leadership among students and professionals in the field of metallurgy. We are committed to providing opportunities for learning, networking, and skill development to empower our members to become future leaders and contributors to the metallurgical industry.

## Vision Statement:

Our vision is to be recognized as a premier platform for metallurgical education, research, and collaboration, both within our college

community and in the broader industry landscape. We aspire to inspire and empower the next generation of metallurgical experts who will drive innovation, sustainability, and excellence in the global metals and alloys sector.

Through our mission-driven approach and unwavering commitment to our vision, METSO continues to make significant strides in advancing the field of metallurgy and shaping the future of the industry.

## Club Overview:

METSO is the metallurgical society of the Metallurgical Engineering Department which works constantly for students in the field of guest lectures, conferences, seminars and various other activities aimed at developing all round skills of students.

## History of METSO College Club:

METSO College Club has a rich history of empowering students and professionals in the field of metallurgy. From its humble beginnings, the club has grown into a leading force in promoting academic excellence, industry collaboration, and professional development in metallurgical sciences and engineering.

Over the years, METSO has organized a multitude of events, workshops, seminars, and industrial visits, providing valuable opportunities for members to expand their knowledge, network with experts, and gain



practical insights into the latest trends and technologies in metallurgy.

## Organizational Structure:

METSO College Club operates under a well-defined organizational structure designed to facilitate efficient management, coordination, and execution of club activities. The club's structure typically includes the following key roles:

**Professor in Charge:** Who is responsible for the entire team and is the Head of entire club.

**President:** The President oversees the overall functioning of the club, sets strategic goals, and represents METSO in college/university and industry engagements.

**Vice President:** The Vice President assists the President in their duties and takes on leadership responsibilities as needed. They play a crucial role in coordinating club activities and ensuring smooth operations.

**Event Coordinators:** Event Coordinators are responsible for planning, organizing, and executing club events, including workshops, seminars, competitions, and social gatherings.

**Committee Members:** Committee members contribute to various aspects of club operations, such as marketing and promotions, sponsorship coordination, membership management, and logistics support for events.

This structured approach ensures effective leadership, collaboration, and engagement within METSO College Club, empowering members to make meaningful contributions to the metallurgical community and excel in their academic and professional endeavours.

# Activities and Events

## Teachers Day Celebration



METSO (Metallurgical Society), every year organised the grand Teacher Day celebration on 5th September to remark on the hard work and dedication of its faculties for the betterment of the department and make the students connect with the faculty.

Here we dedicate a day to express our gratitude towards our esteemed teachers and the diligent staff of the department for their invaluable contributions. Moreover, we enthusiastically reflect upon the remarkable experiences we have shared with our



extraordinary mentors. To make this occasion even more enjoyable, we organize engaging activities such as mimicry and antakshari with our beloved teachers.

## Welcome Party

METSO's welcome party for freshmen is a pivotal event organized to introduce newcomers to the department and its faculty. The occasion is marked by various activities such as music, dance, stand-up performances, and student showcases. These activities not only entertain but also provide freshmen with insights into the diverse talents within the department.



Moreover, the welcome party serves as the initial interaction between juniors and seniors, fostering relationships crucial for mentorship and collaboration. This event sets the tone for a supportive and inclusive environment, essential for academic and personal growth. METSO's commitment to organizing such events underscores its dedication to creating a vibrant and welcoming community within the department.

## SPORTS WEEK



From February 17th to 19th, Team METSO orchestrated Metal Mania, a three-day interdepartmental sports extravaganza with the dual purpose of promoting health awareness and fostering camaraderie within the metallurgical community. The event featured a range of activities including chess, cricket, badminton, and table tennis, drawing enthusiastic participation from both faculty members and students.







Beyond the realm of sports, Metal Mania served as a platform to raise awareness about the importance of health and physical activity. Through engaging in various sports and recreational activities, participants not only embraced the spirit of competition but also gained valuable insights into the significance of maintaining an active lifestyle for overall well-being.



By intertwining sportsmanship with health awareness, Metal Mania encapsulated METSO's holistic approach to community building and personal development. The event exemplified METSO's commitment to nurturing a supportive environment where members can thrive both academically and physically.

## Educational and Professional Development

METSO's commitment to nurturing the educational and professional growth of metallurgy students, several initiatives were undertaken during the reporting period. These efforts aimed to provide students with valuable insights, practical knowledge, and networking opportunities within the metallurgical industry.

### Workshops and Training Sessions:

METSO organized workshops and training sessions focused on key areas of metallurgy, such as materials characterization, process optimization, and emerging technologies. These sessions were designed to enhance students' technical skills and prepare them for real-world challenges in the field.

### Guest Speaker Sessions:

On January 24th, Team METSO had the honor of hosting Mr. Vikas Nashine, General Manager at Bhilai Steel Plant (BSP) with 35+ years of experience in the field, as a guest speaker. His session provided students with invaluable industry perspectives, insights into current trends, and comprehensive career guidance within the metallurgical sector. The interactive nature of the session was highly engaging for attendees, offering a unique and enriching learning experience.





Mr. Nashine's expertise and real-world knowledge added significant value to students' understanding of the metallurgical industry's intricacies and future prospects.

## Industry Visits:

Students visited Bhilai Steel Plant (BSP) as part of an industrial visit organized by Team METSO. This hands-on experience allowed them to witness industrial processes firsthand and interact with industry professionals. The visit provided valuable insights into the practical applications of metallurgical concepts and enriched their understanding of the metallurgical industry's operations.











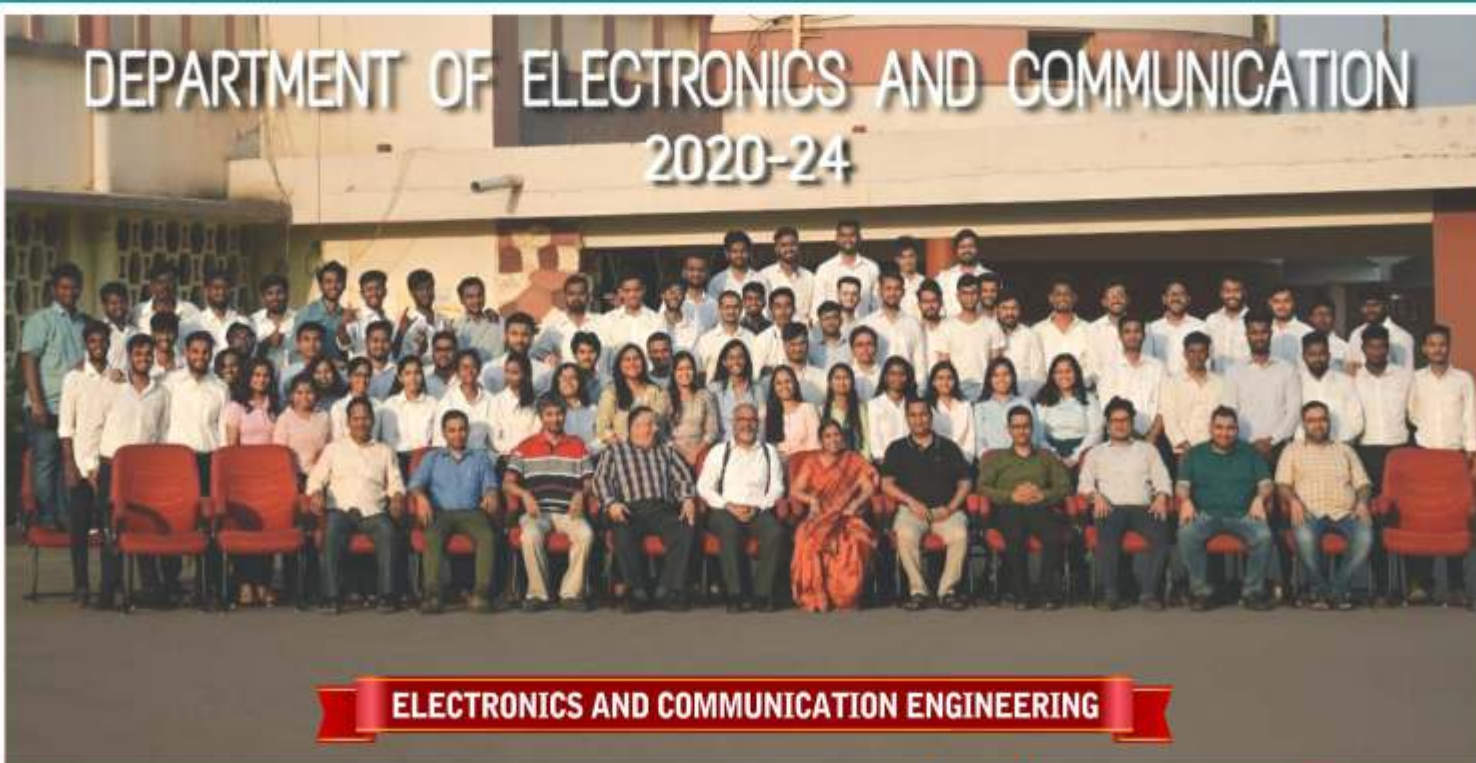








**DEPARTMENT OF INFORMATION TECHNOLOGY**



**DEPARTMENT OF ELECTRONICS AND COMMUNICATION  
2020-24**

**ELECTRONICS AND COMMUNICATION ENGINEERING**





**METALLURGY**



**ELECTRICAL**









As it was an inaugural year, the BITSA embarked on a remarkable journey and this innovative initiative served as a testament to the association's commitment to fostering a culture of learning, collaboration, and professional development among its members.

BITSA conducted its first event on Teacher's Day on September 5th, 2023, guided by HOD Dr. Awanish Kumar. The event featured a warm welcome to faculty members like Dr. Lata Upadhyay, Dr. Chinmaya Mahapatra, Dr. D.N. Roy, and Dr. Sharda Bharti. Festivities included a cake cutting ceremony led by Biotechnology Department students, followed by captivating performances of poetry and songs by students, HOD Sir, and faculty members. The event provided a platform for faculty to share wisdom with students.

BITSA recently organized an online seminar

aimed at guiding 2nd and 3rd year Biotechnology students in securing core internships after the 4th semester. The seminar emphasized the significance of crafting a strong Statement of Purpose (SOP) and securing Letters of Recommendation (LOR). Additionally, students learned effective strategies for Cold Emailing professors at prestigious institutes like NITs and IITs. Experienced 3rd and 4th year students shared their successful internship journeys, offering valuable insights to juniors. Consequently, 2nd year students are now well-informed and equipped with the knowledge to pursue core summer internships in biotechnology.

### **OUR ACHIEVEMENTS**

With great pride we announce that several students from the Department of Biotechnology, NIT Raipur have successfully cleared the GATE 2024 examination. We extend our heartfelt congratulations to the following 3rd and 4th year students from our Biotechnology branch who have emerged as GATE 2024 qualifiers. 3 Students from biotech department achieved A.I.R. under 100 and 10 students A.I.R. under 1000. Their achievement is the reflection of their hard work, perseverance and commitment to academic excellence. Therefore, the Department of Biotechnology, extends warmest wishes to all the qualifiers.





# TEAM LITERATI



## HEAD CO-ORDINATORS

Aanchal Sharma (ECE)  
Gurdev Singh (MME)  
Hemasri Indrani Kota (BIO MED)  
Jessica Pusam (CSE)  
Lakshman Mulchandani (EE)  
Rida Khan (IT)  
Rupanjyot Bardhan (MME)  
Shikhar Nagle (MINING)  
Snehal Hishikar (CIVIL)  
Sumona Sarkar (IT)  
Ujjwal Likhari (MME)

## EXECUTIVES

Adarsh Kumar (MINING)  
Aishanya Mishra (MINING)  
Avish Kumar Shrivastava (MECH)  
Divyam Dixit (ECE)  
Khyati Singh (BIOTECH)  
Kreeti Soni (EE)  
Mansi Gupta (CIVIL)  
Muhammad Aftab Khan (MME)  
Prakhar Bhagat (ECE)  
Prakhar Shrivastava (ECE)  
Priya Ekka (CIVIL)  
Sanskriti Dhurandhar (CHEM)  
Twinkle Patre (BIOTECH)

## CO-ORDINATORS

Aayush Rajput (ECE)  
Achintya Jain (CHEM)  
Amarram Madhu Malveeti (BIO MED)  
Diksha Rajput (MME)  
Harshita Tyagi (EE)  
Harshwardhan Sen Chowdhury (MECH)  
Hashiba Aman (EE)  
Ishaan Adarsh (ECE)  
Ishan Chiripal ()  
Meghna Sahu (ECE)  
Pragya Dongre (MME)  
Pratyush Nagpal (ECE)  
Raj Motwani (MECH)  
Rashmi Verma (ECE)  
Shayan Khan (ECE)







# SHILPI (2023-24)



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