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भारत 2023 INDIA



# MADHAV INSTITUTE OF TECHNOLOGY AND SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous & NAAC Accredited  
Institute Affiliated to RGPV, Bhopal)

# CSE DEPARTMENT MAGAZINE

2023

NATIONAL QUANTUM MISSION (NQM), INDIA

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# About Institute & Department

*Madhav Institute of Technology & Science (MITS), Gwalior was established in 1957 by His Highness Sir Jiwaji Rao Scindia, Maharaja, of the erstwhile state of Gwalior under open door policy of Govt. of India. The institute is affiliated to R.G.P.V., Bhopal but has academic autonomy since 2002 to run courses of its choice. Recently the institute has been granted autonomy by UGC, New Delhi for a period of 6 years w.e.f July 2017. The institute is also accredited by the National Assessment and Accreditation Council (NAAC) for 5 years from September 2017. The institute successfully completed the Technical Education Quality Improvement programme (TEQIP-Phase II) of MHRD and received 'A' grade in six of the seven performance criterions.*

*The department of CSE has an excellent & rich history and an outstanding record of contributions to the profession and community. The department is well recognized for excellence in facilities and teaching. The Department offers B.Tech., M.Tech. and Ph.D degrees. The Department has a comprehensive curriculum on topics related to all aspects of Computer Hardware and Software with an emphasis on practical learning. The course structure is up-to-date and includes courses on emerging topics to equip our students with the latest developments in Computer Science and Engineering.*

# Umlayezo woMqondisi (ZULU)

## Director's Message

**Dr. R.K Pandit**  
**(Director, MITS Gwalior)**



“We live in a rapidly evolving world, a society that is constantly changing, progressing, and advancing at an incredible pace. The influence of science, research, and technological advancements in our daily lives is all-encompassing and inevitable. Therefore, it is more crucial than ever to embrace these changes and be prepared for what lies ahead. Countless opportunities await us, but they also come with great responsibilities. In light of this, we are steadfastly moving towards our goal of nurturing responsible citizens who will actively contribute to nation-building.

In order to find technology-driven solutions to complex problems, the role of computer science engineers is of utmost importance. Across the globe, every engineering domain is now recognizing the necessity of computer science engineering, as it has become an indispensable requirement for solving real-life problems in any field or industry. Consequently, computer science engineers will play a significant role in providing cutting-edge solutions in the realm of science and technology. They are involved in various aspects of computing, ranging from designing individual microprocessors, personal computers, and supercomputers, to creating circuits and writing the software that powers these computers. The automation and digitization of services have elevated industrial development, providing mankind with luxury and numerous conveniences.

The Department of Computer Science and Engineering has consistently maintained a strong connection with the industry, ensuring that the course curriculum is constantly modernized and updated. This initiative aims to enhance student's technical knowledge as well as their business and management skills, enabling them to shape their careers in these challenging times. The department's efforts in this regard are truly commendable.

Dear students, always remember that your primary objective as engineers is to keep yourselves updated with the latest knowledge. This will ensure that you remain relevant in this ever-changing world, allowing you to lead and contribute to the growth of our nation. By doing so, you will make both the institute and your parents proud. I wish the Department of Computer Science and Engineering the best of luck!"



## Mensaje del Decano

### Académico

(Spanish)

### Dean Academics Message

.....  
**Dr. Manjaree Pandit**

(Dean Academics M.I.T.S Gwalior)

"It has been a truly humbling experience to witness how we have risen to every challenge that the pandemic has thrown our way, excelling in all aspects of life. I am immensely encouraged by the numerous instances of bravery, integrity, and responsibility displayed despite the setbacks. I extend my sincere gratitude to all the faculty members, staff, and students of the MITS family who have wholeheartedly supported our vision and goals. Let us continue to collaborate and give our best efforts, even in the days ahead. I would like to convey my heartfelt congratulations to the Magazine Committee for their outstanding dedication. To the faculty, staff, and students, I wish you the very best as you continue the remarkable tradition of publishing an annual magazine, highlighting the accomplishments and accolades of our esteemed faculty and students."

**Dr. Manjaree Pandit**

(Dean Academics M.I.T.S Gwalior)



# Pesan HoD

(Indonesian)

## HOD Message

.....  
**Dr. Manish Dixit**  
*Head of Department (CS)*

As the head of the Department of Computer Science and Engineering (CSE), it is truly an honor for me to write for our departmental magazine. This longstanding/tradition serves as a platform for our faculty, staff, and students to showcase their achievements, express their opinions, and explore new technologies.

The CSE department boasts a strong alumni network, and our students have been consistently placed in reputable positions. In recent times, the Department has witnessed remarkable growth and the introduction of new branch B.Tech Computer Science and Design in 2021.

The development of the Departmental Magazine of CSE stems from the desire to share our feelings, accomplishments, and thoughts. It brings us immense delight and privilege to work together as a team to ensure the successful publication of the magazine. Our department comprises some of the finest students in the state, selected based on their ranking in JEE. It fills us with sheer joy to nurture these students and contribute to society.

My team and I remain dedicated to fostering the holistic development of our students within the institute.

I extend my best wishes to the students from both MITS and the CSE family. I would like to emphasize that the departmental magazine is a tradition that brings happiness and unity. I hope that the new members of our family will keep this tradition alive for generations to come.

**Dr. Manish Dixit**  
*Head of Department (CS)*



# Dean Student's Welfare Message

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**Dr. Rajiv Kansal**

(Dean Student's Welfare, MITS, Gwalior)

"I take great pride and honour in extending my heartfelt congratulations to the Magazine editorial board of the Computer Science and Engineering (CSE) department for successfully publishing yet another edition of the annual magazine.

The CSE department has been instrumental in the overall growth and progress of our institution, and the department magazine serves as a remarkable platform for capturing and cherishing the memorable moments of both our staff and students, while also nurturing literary talents and creativity. These magazines play a crucial role in keeping us informed about the latest developments in the ever-evolving technological world, and they serve as a driving force, inspiring the younger generation to strive for excellence. I sincerely hope that all the stakeholders have invested sincere efforts in making this magazine valuable for our students, faculty, and society as a whole.

Sending my best wishes to all involved!

**Dr. Rajiv Kansal**  
Dean Student's Welfare

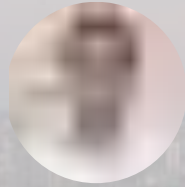


# Fakultätsmitglieder

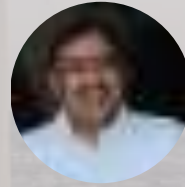
Faculty Members(German)



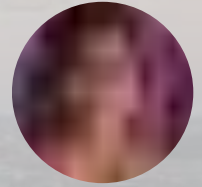
*Dr. R.S.  
Jadon*



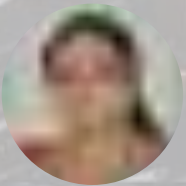
*Dr. R.K.  
Gupta*



*Dr. Manish  
Dixit*



*Dr. Anshu  
Chaturvedi*



*Prof. Khushboo  
Agarwal*



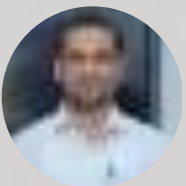
*Prof. Jaimala  
Jha*



*Dr. Parul  
Saxena*



*Prof. Mahesh  
Parmar*



*Dr. Rajni  
Ranjan Singh*



*Prof. Amit  
Manjhvar*



*Dr. Ranjeet  
Kumar Singh*



*Prof. Smita  
Parte*



*Dr. Devesh  
Kumar Lal*



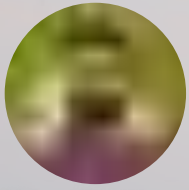
*Dr. Gagandeep  
Kaur*



*Dr. Kuldeep  
Narayan Tripathi*



*Dr. Rohit  
Agrawal*



*Prof. Arun  
Kumar*



*Prof. Hemlata  
Arya*



*Prof. Manisha  
Pathak*



*Prof. Kratika  
Sharma*



*Prof. Aashi  
Singh Bhadouria*



*Prof. Jigyasa  
Mishra*



# Mapa Do Departamento

(PORTUGUESE)

# Department Map



CSE/IT Parking

-  Corridor/Entrance
-  Labs/Classrooms
-  Faculty
-  Staircase

# EVENTS

## ◆ Spic Macay Activity :

**"Kabir Gyan Sandhya" by Padamshree Dr. Bharti Bandhu : held on 11<sup>th</sup> April 2023**

Department of CSE, Music Club and Spic Macay Heritage club is jointly organizing a Spic Macay Activity "Kabir Gyan Sandhya" by Padamshree Dr. Bharti Bandhu. Bharti Bandhu ji is an epitome of Sufi and Kabir music in India. He was awarded the 4th highest civilian award- Padmashree in 2013 by the government of India for his contribution towards music with Kabir Gyaan.



## **IEEE Events :**

### **1. A National level Online Quiz Competition on Emerging Technology: held on 10<sup>th</sup> March 2023**

In the memory of Late HH Madhavrao Scindia, The MITS day is celebrated on 10<sup>th</sup> March 2023 by Department of Electrical Engineering & IEEE student chapter. Total 241 participants were registered for this. Total 50 questions were asked.

### **2. "Machine Learning" BY Department of CSE and IEEE Student Chapter MITS": held on 15 - 16 Feb 2023**

Industry Expert Lectures on "Machine Learning" BY Department of CSE and IEEE Student Chapter MITS To provide all the students an opportunity to attend an Industry Expert Lecture on Machine Learning and gain knowledge about the practical use of ML in Industries.

- ❖ To guide students about the projects that are developed in industries.
- ❖ To allow students to interact with experts who can guide them in the best possible manner.
- ❖ To develop spirit of participation.
- ❖ To give exposure to IEEE and Computer Society

### 3. Workshop on "CODE-FIESTA: A Competitive programming contest": held on 4<sup>th</sup> April 2023

Workshop organized By Department of CSE, IEEE Student Chapter MITS and IEEE Computer Society MP Section to provide the first year student a feel of Hackathon event. Mini Hackathon is an event where student engage in rapid and collaborative engineering over a relatively short period of time such as 12 or 24 hours. We try to engage them for 8 hours.

event city एमआइटीएस

## समस्याओं को हल करने छात्रों ने कोडिंग की मदद से बनाए ऐप



पत्रिका plus रिपोर्टर

ग्वालियर. एमआइटीएस कंप्यूटर साइंस एंड इंजीनियरिंग डिपार्टमेंट और आई ट्रिपलई स्टूडेंट चैप्टर एवं कंप्यूटर सोसाइटी ने मिलकर एमआइटीएस में मिनी हैकथॉन कराया। कार्यक्रम को तीन भागों में बांटा गया। पहले चरण में कोडिंग क्विज कराई गई। इसके लिए एक प्लेटफॉर्म डवलपमेंट किया गया, जिसमें क्विज पेज से फोकस हटने पर छात्र डिसक्वालीफाई हो जाता है, जिसमें चयनित टीमों को दूसरे भाग में भेजा गया। इसके अंदर स्टूडेंट्स को कुछ वास्तविक जीवन की समस्याएं दी गईं। तीसरे भाग में विद्यार्थियों ने इन्हीं समस्याओं को दूर

### निधि और रौनक का पहला स्थान

विभागाध्यक्ष एवं आई ट्रिपलई के को-ऑर्डिनेटर डॉ. मनीष दीक्षित ने कहा कि इस तरह के कार्यक्रम से छात्रों का होलिस्टिक डवलपमेंट होता है। कॉम्पीटिशन में निधि तिवारी और रौनक मांडिल ने पहला स्थान, रेणुका वरकडे और रिद्धि शर्मा ने दूसरा एवं अर्चित सिंह बघेल एवं कनिष्क सिंह ने तीसरा स्थान प्राप्त किया।

करने के लिए कोडिंग की सहायता से प्रोग्राम व ऐप बनाए। प्रतियोगिता में विभिन्न टूल एवं तकनीकी आधारित प्रोजेक्ट डवलपमेंट किया गया।

### 4. "AMBITION OF MY LIFE" BY Department of CSE and IEEE Student Chapter MITS : held on 3<sup>rd</sup> March 2023

Speech Competition on "AMBITION OF MY LIFE" BY Department of CSE and IEEE Student Chapter MITS to test students' comfortability while speaking on stage.

- ❖ To test the confidence and fluency of students while public speaking.
- ❖ To develop spirit of participation.

## Major Events : 2022-23 session

### I. Founder's Day: 14<sup>th</sup> November 2022

Madhav Institute of Technology & Science (MITS), Gwalior was established in 1957 by His Highness Sir Jiwaji Rao Scindia, Maharaja, of the erstwhile state of Gwalior under open door policy of Govt. of India. Every year on 14th November Founder's Day is celebrated in the institution to honour Sir Jiwaji Rao Scindia.



## II. Alumni Meet 1998 batch: 21<sup>st</sup> January 2023

Alumni meet is a fun and memorable event for every passed-out student. They get a chance to meet their classmates, friends, and teachers and relive the heartfelt moments of their life. In the alumni meet, people also get a chance to share their stories, struggles, and success tips.





### III. Republic Day: 26<sup>th</sup> January 2023

Republic Day is celebrated with much enthusiasm in India, and MITS does not lack any efforts to show our patriotism. In celebration of Republic Day, the staff, faculty and the students are encouraged to display their patriotism and pride. The students pledge to live as good citizens and help make their country a happier and more peaceful one.





## V. MITS Day: 10<sup>th</sup> March 2023

The 10th of March is marked as the birth anniversary of respected Madhav Rao Scindia, and on this occasion MITS day is celebrated in remembrance of him.



## VI. YUVA Unstoppable Scholarship : 25<sup>th</sup> March 2023

17 students of CSE department received the scholarship of total of 30 lakhs under the YUVA Unstoppable scholarship scheme on the basis of JEE Mains Marks and Interview on 25th March 2023 by Shrimant Mahaanaaryaman Scindia Ji.



# (ART) English

Priyansh Raj Gupta  
CSE 1st year



# Nivedita Verma

## CSE 1st year

Inspiration: "Every good painter paints what he is." The mind of the creative genius is a strange and wonderful thing. Not only have great artist shaped culture and the human experience for centuries, but the artists themselves also have interesting insights as to why they do what they do. "You use a glass mirror to see your face; you use works of art soul."



# Shakti Sagar CSE 3rd Year

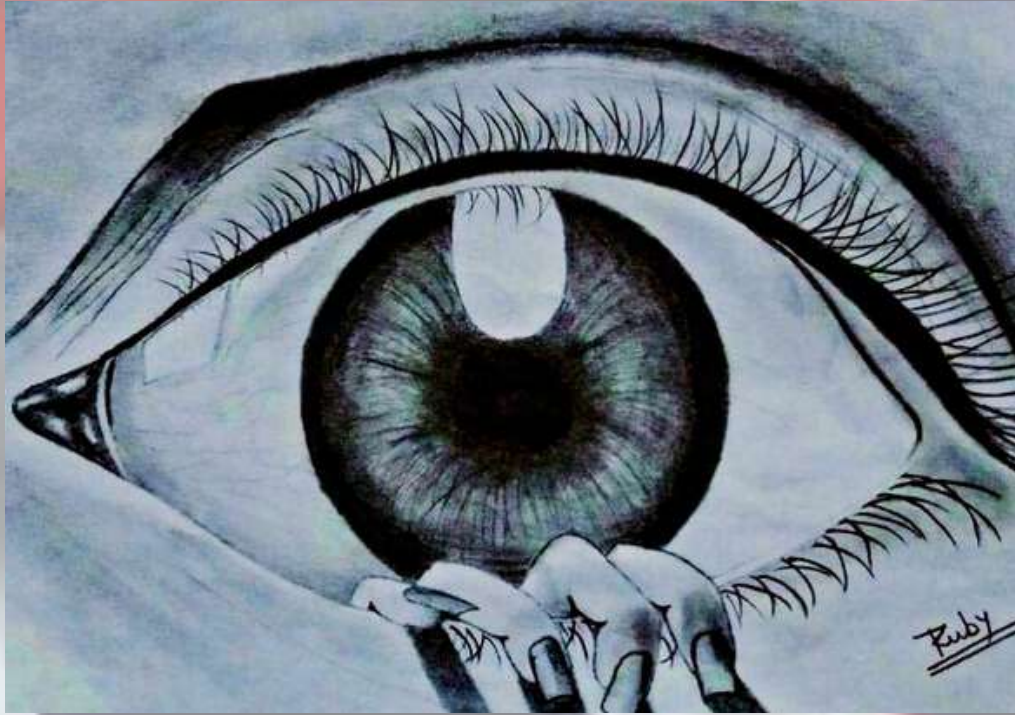


**Tanmay Sawarkar**  
CSE 1st year



**Dev Mandloi**  
CSE 1st year

**Ruby Prajapati**  
**CSE 4th year**





# Ashwin Kumar

## CSD 1st year

**Inspiration:** Hi, i am Ashwin, these are some of my art samples from my school time, i was so much into sketching that most of the time i have spent making them, i have always wanted to create a beautiful art, that can make people say like "amazing awesome", from art you can literally make anything, you can even make so beautiful scenery that no one can imagine, that can make people hearts at ease. I have sharpened my art skills through sketching and now i am doing work on VR.

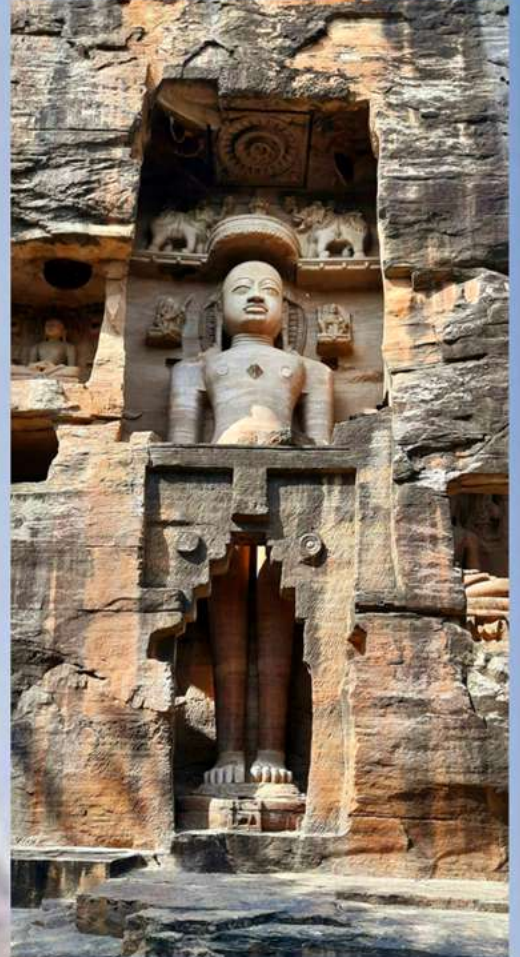


# Des Photos(French)

## Photos



**Ashivini Patidar  
(CSE first year)**



**Nivedita verma  
(CSE first year)**



**Shakti Sagar**  
**Prajatpati**  
**CSE 3rd year**

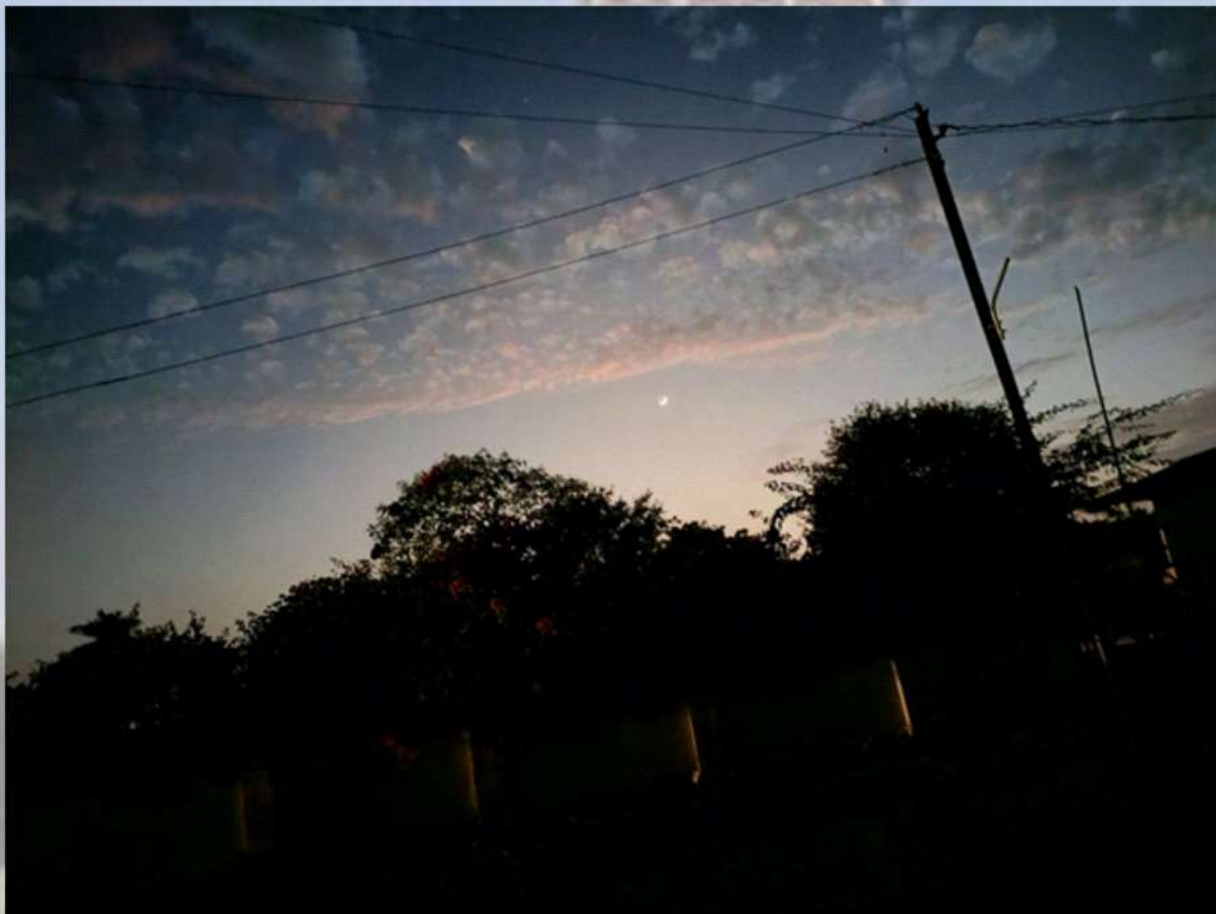
I become happy when I click a picture of nature or anything which is already very beautiful. I just express that Beauty in terms of pixels.



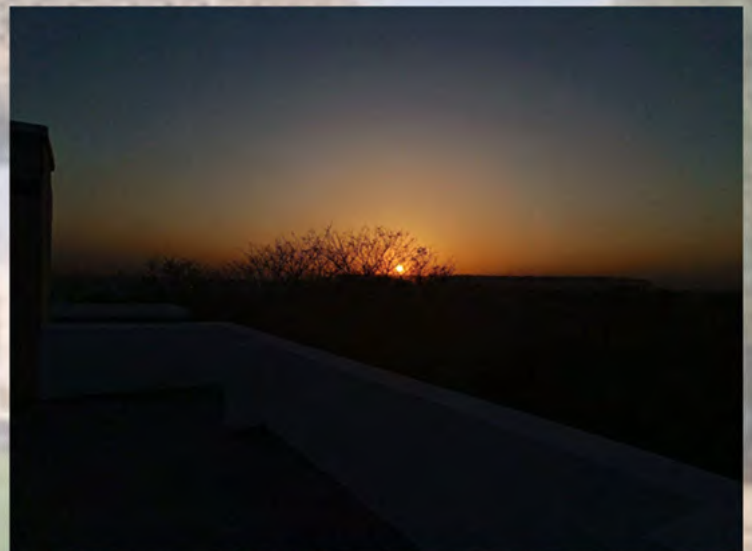
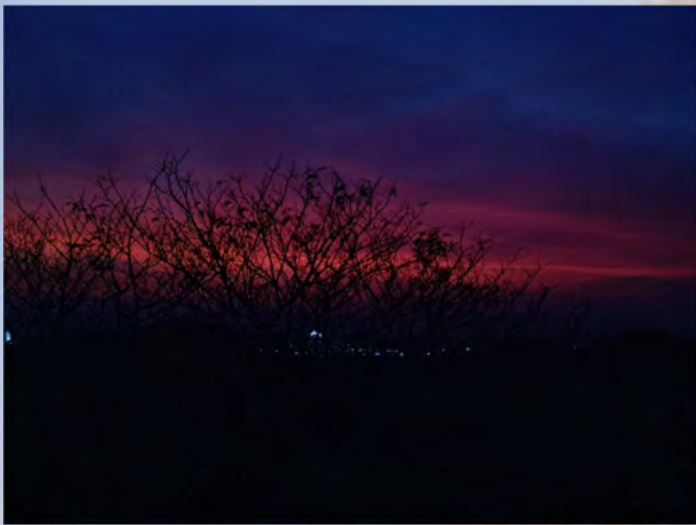
**Anup Singh Lodh**  
**CSE first year**

**Pratham sharma**  
**CSE 1st year**

Inspiration: Like photographing natural things



**Shikhar gautam**  
**CSE first year**

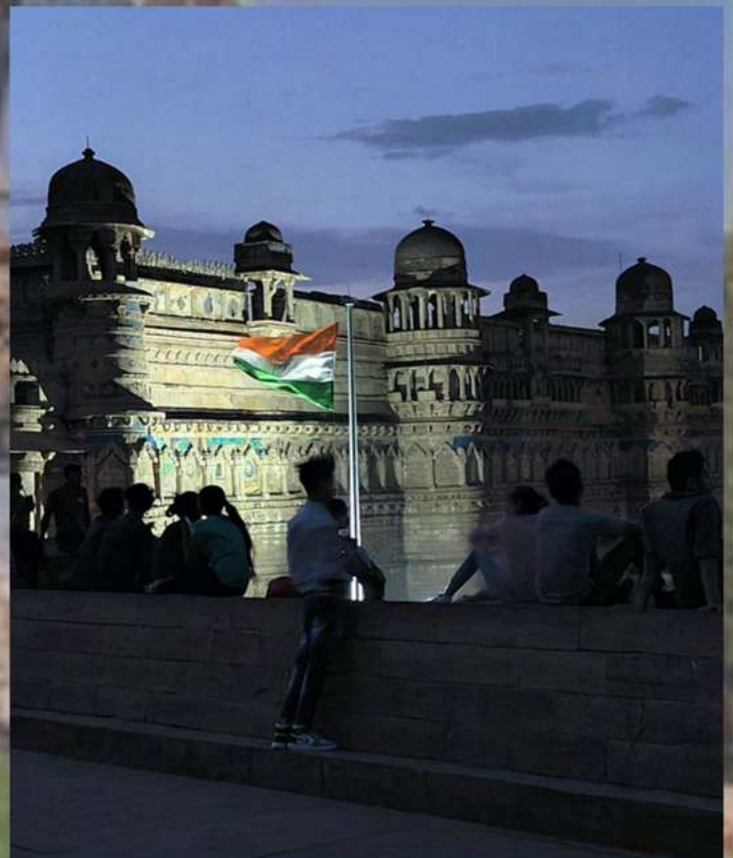


## Tanmay sawankar 1st year CSE

Living in College Hostel never made me feel like I'm away from home



## Harsh apreja CSE first year



# Deeksha Sharma

## CSE first year



# 诗 (Chinese) Poem

## I. क्षितिज

~Rudraksh Shukla  
CSE 1st year

जीवन में कई कठिनाइयों, कई पराजयों का भोगी हूँ,  
सुख का न लालच मुझको, परिश्रम का मैं लोभी हूँ।  
हो खुद पर भी गर्व मुझे, कुछ ऐसा कर दिखलाना है,  
मुझे पार क्षितिज के जाना है।  
मुझे पार क्षितिज के जाना है।

भाग्य पर न विश्वास मुझे, हार का ये तो बहाना है,  
मुझे पार क्षितिज के जाना है।  
मुझे पार क्षितिज के जाना है।

सूर्य-सी अमित आशा मेरी, लक्ष्य मेरा दृढ़ निश्चय है,  
ठोकरें पथ पर ख़ूब लगेंगी, इसमें भला क्या विस्मय है?  
हारूँगा नहीं! उठ कर मुझको फिर से चलते जाना है,  
मुझे पार क्षितिज के जाना है।  
मुझे पार क्षितिज के जाना है।



## II. Bird

She was a free bird,  
Whose Dreams were above the sky,  
But now all I see is a cage that she is in,  
Out of options, I guess.

She was once an integral part of a cluster  
Now only an outlier,  
someone who doesn't belong to the circle.  
For reasons, everyone is unaware of except her.

Wondering always, between right and wrong,  
Pondering where she went wrong,  
The sky was ready to accept her but  
She fell in love with the prison.

What seemed toxic earlier is now her sweet home.

~Pranshu Adhwaryu  
(CSE 3rd year)

## III. Loner

The moon is alone,  
The stars are alone,  
The galaxies thou surrounded by  
many Are existing in nothing.  
The same is my story,  
Many know me, many a friend  
But when roads turned rough, in the end,  
I drove the car alone with none beside,  
A lone traveler on this ride of life  
That's what my life is,  
Offspring of nothingness.  
Vast but empty.

~Pranshu Adhwaryu  
(CSE 3rd year)

# IV. माँ

Shakti Sagar Prajapati, CSE 3rd year

**माँ...**

महफिलों में यू ही नहीं गा रहा हूँ माँ  
सब सोचकर समझ कर ही वहाँ जा रहा हूँ माँ

इंतज़ार मेरे खातिर जरा सा और कारलो न  
मशहूर होके एक दिन मैं आ रहा हूँ माँ

मायूस मत हुआ करो मेरे दूर रहने से  
मैं सुबह शाम वक्त से ही खा रहा हूँ माँ

गिर गया जो नीचे तो उठकर भी आऊंगा  
मत सोचना कभी मैं डगमगा रहा हूँ माँ

- शक्ति सागर प्रजापति

# **V. The World From My Window**

**Deeksha Sharma, CSE 1st year**

**The world from my window  
Is just like a silent sea,  
With pearls at its depth  
And surrounded by Coco trees.  
There is freedom to speak  
Then, why still some are so weak,  
Running for fame and money has reached its peak  
And kindness and honesty have lost this league.  
Values are taught in some formal ways  
But never executed in normal days  
Everyone is equal, everyone is unique  
Then why compared for beauty and physique.  
Here beautiful minds are simple outside  
Giving us hope and a positive sight  
Let's end this race of hypocrisy  
And reframe this world of democracy....**

# ПОВЕСТЬ (Russian) (Story)

## "The one old friend" 2022 TO ME

By- Piyush Meshram  
CSE 1<sup>st</sup> year

Life is a journey that blends with ups and downs and pros and cons. It is not always skewed to one side but else oscillates between them. I am not that old to describe life as a journey, but I have lived it to an expanse that evokes the above blends. When it comes to overcoming obstacles, I have gained some experience, which I believe is useful when dealing with some situations in life that require one to face them rather than run away. When it comes to the downs, it has given me the strength to continue and to confront and accept reality. Now, to the pros, it is like continuing with what you have and making the best of it rather than letting it get worse. Cons are like not making anything worse by trying until possible if the results are not favourable, it might not be your cup of tea.

*My Dear Friend, Dedicated to You.*

*Wherever you're, our memories are mine and each moment we lived is now like being on cloud nine.*

*You're the morning glory to the blurry night sky, the going breeze, and the cloud shine.*

*Dawn's sunshine to the dusk's twilight.*

*The twinkling star went so far and thrived as moonlight*

*I won't go deep down much, but I avow, you're the best of mine. I hope and pray that you'll always be fine.*



# "Insecurities: Challenge them to grow improve"

By- Piyush Meshram  
CSE 1<sup>st</sup> year

In today's world, everything and everyone is goal-oriented, so if you want to excel in your field, you need to challenge your insecurities to be a better version of yourself and get a bit more involved so you can connect with others and let others connect with you.

Being an undergraduate, I discern this is the prospect when one should explore more rather than be hidden from other sapiens. Not everything is plausible for everyone, but for another side of the wall to look over, there has to be an inventive step. These are limited phases of life that evoke everyone as we grow senior. Like our school days, how we used to be there, scribbling on the benches, memories with our school friends, a bit annoying, and those unusual traits still sail in my mind and many more. That was all possible, as we were ready to get involved with others without judging anyone based only on certain things and creating an image based on those quirks. Everyone has a different perception of the things around them. Some have a positive attitude towards events they effectuate, some tend to be on either side of what they're dealing with and why it's happening to them peculiarly, and some have the propensity to welcome and repudiate their shortcomings.

Though sometimes it's a vibe game, in such a case, if our frequency matches that of the other guy, then that's good, but in odd instances, we tend to stay apart from them.

For this, you need to take a stand on your own to prove that you're more eligible than the other person, so substantially, you have to work on it.

"Being insecure is okay.

But if you've got guts, then put them away.

To grow and create a secure way

Every effort adds to your day.

For that moment, start working today."

# The Shared Partnerships

By- Pranshu Adhwaryu  
CSE 3<sup>rd</sup> year

**Inspiration :** "I have been writing since I was 4, at first the words were unclear and so were the thoughts. Growing up, many of my hobbies were left behind but writing became my daily habit. The last story is inspired by true events in a Hotel. I narrated the story of what I saw. It's a Feel Good story with a Moral at the end."

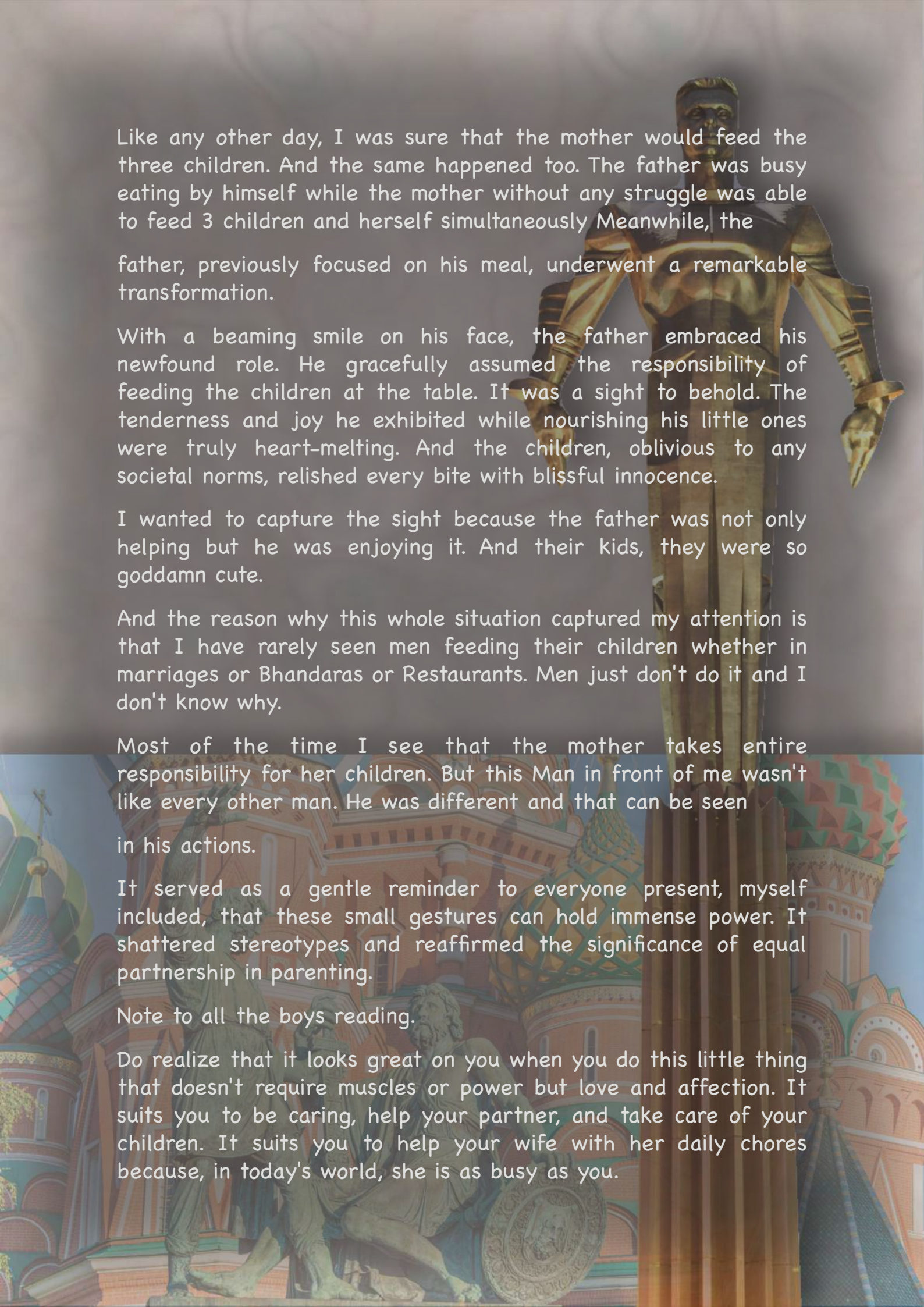
It was a serene Sunday evening around 7:30 PM, and as luck would have it, my regular mess was closed for the day. Hunger took over me and, I decided to venture out and explore nearby dining options.

I found myself at a quaint restaurant called Aagan, where I stepped into the dining area. I settled into a seat that offered a perfect view of the entrance. Glancing through the menu, I pondered my choices. Ultimately, I decided to order the Thali that offered Paneer, Chapatis, Rice, Raita, Daal, and Salad.

As I eagerly awaited my order, a lovely couple entered the restaurant, accompanied by their three adorable children. The kids, aged approximately 2, 5, and 6, radiated youthful energy and innocence. The parents settled down at the table to my left. The mother cradled the youngest child in her arms, while the father held hands with the two older ones.

While the parents engaged in a brief discussion, meanwhile the father softly placed the elder ones on the table. Yes, you read that right, he made them sit on the table. Their seating arrangement struck me as unconventional but fascinating, with each child occupying their special spot.

As the parents placed their orders for Chowmein, Masala Dosa, and Chole Bhature, delectable aromas filled the air. Soon, the food arrived, enticingly laid out before them. The children, being naturally curious and excited, couldn't resist dipping their little hands into the Chowmein.



Like any other day, I was sure that the mother would feed the three children. And the same happened too. The father was busy eating by himself while the mother without any struggle was able to feed 3 children and herself simultaneously. Meanwhile, the father, previously focused on his meal, underwent a remarkable transformation.

With a beaming smile on his face, the father embraced his newfound role. He gracefully assumed the responsibility of feeding the children at the table. It was a sight to behold. The tenderness and joy he exhibited while nourishing his little ones were truly heart-melting. And the children, oblivious to any societal norms, relished every bite with blissful innocence.

I wanted to capture the sight because the father was not only helping but he was enjoying it. And their kids, they were so goddamn cute.

And the reason why this whole situation captured my attention is that I have rarely seen men feeding their children whether in marriages or Bhandaras or Restaurants. Men just don't do it and I don't know why.

Most of the time I see that the mother takes entire responsibility for her children. But this Man in front of me wasn't like every other man. He was different and that can be seen in his actions.

It served as a gentle reminder to everyone present, myself included, that these small gestures can hold immense power. It shattered stereotypes and reaffirmed the significance of equal partnership in parenting.

Note to all the boys reading.

Do realize that it looks great on you when you do this little thing that doesn't require muscles or power but love and affection. It suits you to be caring, help your partner, and take care of your children. It suits you to help your wife with her daily chores because, in today's world, she is as busy as you.

# आलेख (Hindi) (Article)

## Embracing Quality Time with Family and Friends

**“Spend a moment outside the Virtual World”**

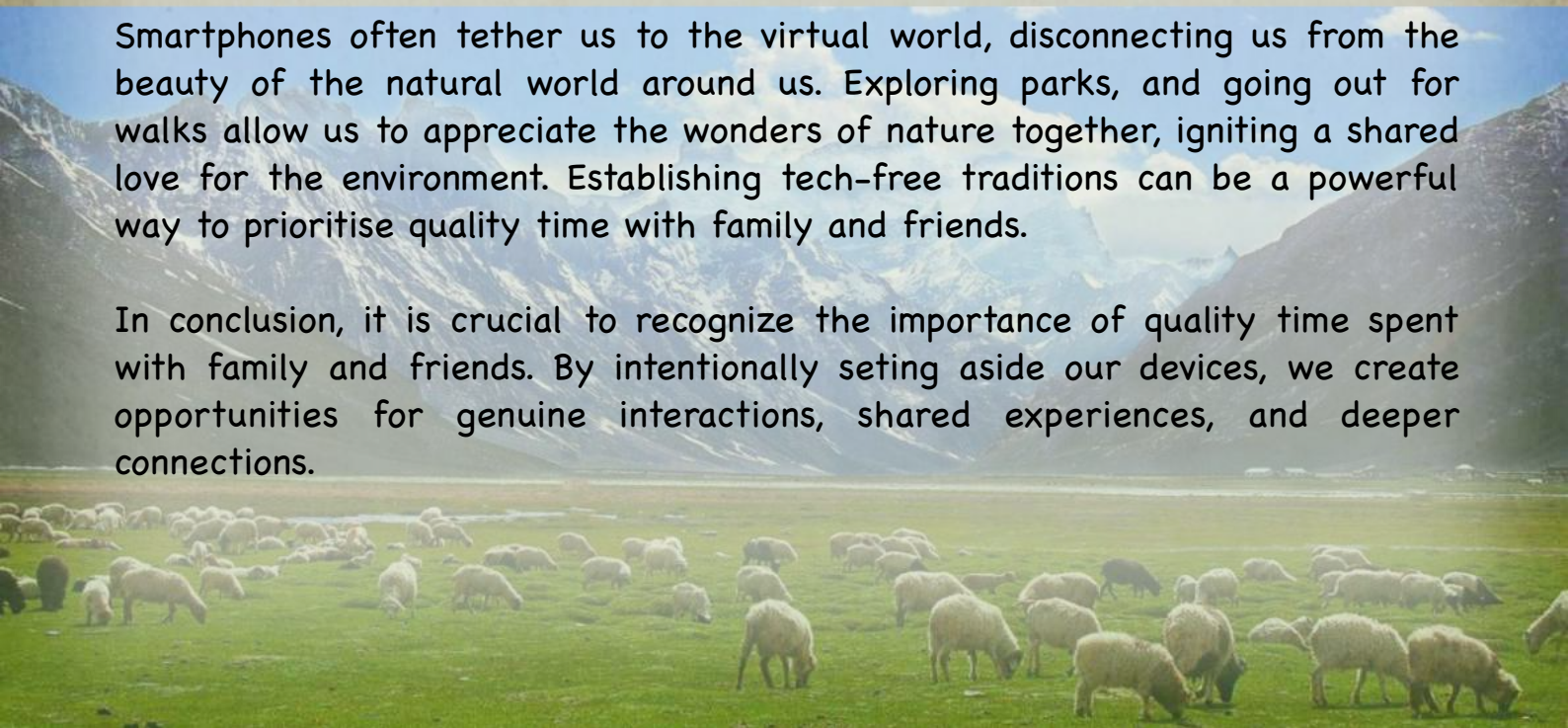
By - Tanmay Sawankar  
(CSE 1st year)

In today's hyper-connected world, smartphones have become an integral part of our lives. While these devices offer convenience and connectivity, they also have the power to distract us from the present moment, particularly when spending time with loved ones. When we consciously choose to set our devices aside, we open ourselves up to fully engage in the present moment. By focusing on the conversations, laughter, and shared experiences, we can deepen our connections and make the most of the precious time we have with our loved ones.

By putting our devices away, we create an environment conducive to meaningful conversations. We can truly listen to one another, share stories, exchange ideas, and support each other emotionally. These authentic conversations foster understanding and strengthen the bonds we have with our family and friends.

Smartphones often tether us to the virtual world, disconnecting us from the beauty of the natural world around us. Exploring parks, and going out for walks allow us to appreciate the wonders of nature together, igniting a shared love for the environment. Establishing tech-free traditions can be a powerful way to prioritise quality time with family and friends.

In conclusion, it is crucial to recognize the importance of quality time spent with family and friends. By intentionally setting aside our devices, we create opportunities for genuine interactions, shared experiences, and deeper connections.







# The Concept Of Multiverse

By - Om Bhayde  
(CSD 1st year)

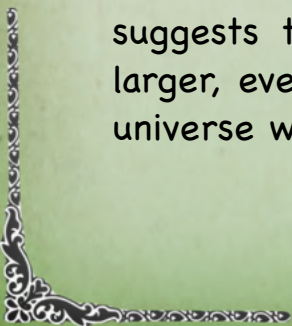
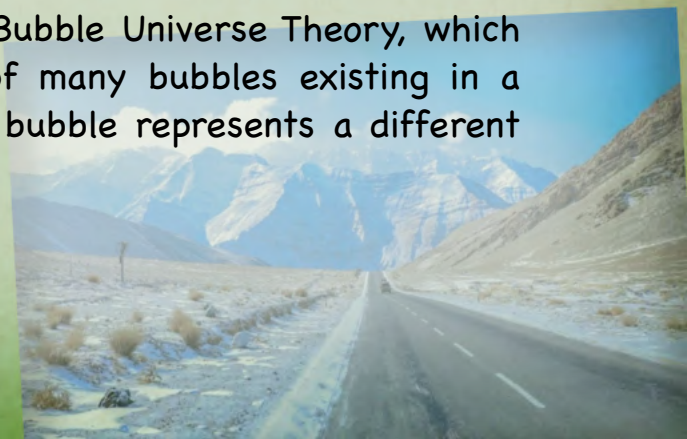
The concept of a multiverse has been a popular topic of discussion in both science and science fiction for several decades now. A multiverse is the idea that there could be an infinite number of parallel universes existing alongside our own, each with their own unique properties and laws of physics.

The idea of a multiverse is rooted in the principles of quantum mechanics, which suggests that particles can exist in multiple states or locations simultaneously, and that the act of observation can cause those states to collapse into a single state. This suggests that the universe may be full of countless possibilities, with each possibility representing a different universe.

The concept of the multiverse is still a theoretical idea, and there is currently no way to prove its existence. However, there are several different versions of the multiverse that have been proposed by scientists and researchers.

One version of the multiverse is the Many-Worlds Interpretation, which suggests that every possible outcome of every event creates a new universe. For example, if you flip a coin and it lands heads up, a new universe would be created where the coin lands tails up. This theory suggests that there could be an infinite number of universes, each containing every possible outcome of every possible event.

Another version of the multiverse is the Bubble Universe Theory, which suggests that our universe is just one of many bubbles existing in a larger, ever-expanding cosmic foam. Each bubble represents a different universe with its own unique properties.



There is also the concept of the Parallel Universes, which suggests that there could be an infinite number of universes existing parallel to our own, each with its own unique set of physical laws.

While the concept of the multiverse remains theoretical, many scientists believe that there may be ways to test its existence in the future. For example, the discovery of gravitational waves could provide evidence for the Bubble Universe Theory, as the waves could indicate the presence of other universes.

The idea of a multiverse raises several philosophical questions about the nature of reality and the role of consciousness in creating the universe. It also has significant implications for our understanding of physics, as it suggests that the laws of physics may not be the same in every universe.

Overall, the concept of the multiverse remains a fascinating and thought-provoking idea that continues to capture the imaginations of scientists and laypeople alike. As our understanding of the universe continues to evolve, it will be interesting to see how this concept develops and whether or not we are able to find evidence for its existence.

### Movies That Depicted Multiverse :




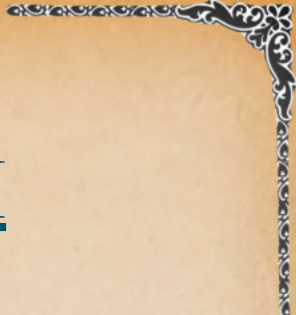
1. Doctor Strange In Multiverse Of Madness



2. Another Earth



3. Avengers Endgame



# NATIONAL QUANTUM MISSION(NQM)

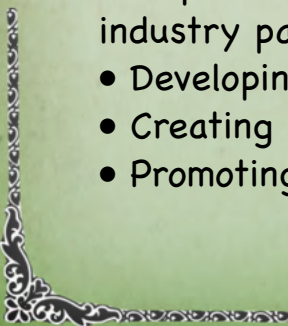

By - Anurag Bagri  
(CSE 1st year)

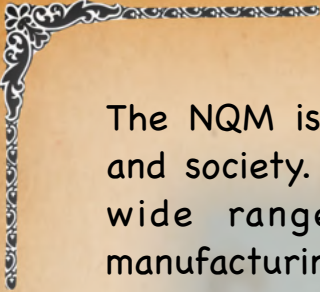
Today, scientists across the globe are pushing quantum computers' abilities, trying to arrive at the most powerful quantum computing technologies. But why? quantum machines can solve a certain problem a billion times faster than classical computers. Tech giants like IBM, Google and Microsoft are racing for quantum supremacy.

One such approach has been initiated by Indian Government to strengthen our hold on quantum technologies. On April 19, the union cabinet, chaired by hon'ble Prime Minister Shri Narendra Modi approved the "National Quantum Mission (NQM)" at an estimated cost of 6000 crores rupees. The mission is expected to start from 2023-24 and aims to be completed by 2030-31. It aims to accelerate the development and application of quantum technologies.

What does quantum computing mean to us? Quantum computing is a type of computing technology that uses the principles of quantum mechanics to perform calculations. "Quantum mechanics", this word shows how hard it is to understand the working of quantum computer but let me explain it in simpler terms. The normal computers we use uses bits 1 and 0 to do all operations but quantum computers use quantum bits or "qubits" to store information. Qubits can be in a superposition of states, meaning that they can be in both 0 and 1 at the same time. This allows quantum computers to perform calculations that are impossible for classical computers.

The NQM is led by the Department of Science and Technology (DST) and is implemented by a consortium of national laboratories, universities, and industry partners. The mission's goals include:

- Developing quantum computers and other quantum devices
  - Creating a quantum-ready workforce
  - Promoting the development of quantum-based applications
- 
- 



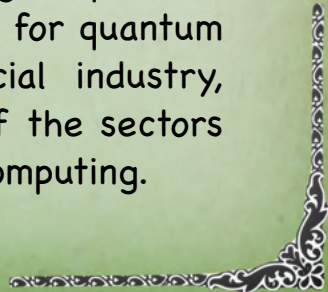
The NQM is expected to have a significant impact on India's economy and society. Quantum technologies have the potential to revolutionize a wide range of industries, including healthcare, finance, and manufacturing. The mission is also expected to create new jobs and boost innovation in India. The NQM is expected to have a significant impact on India's economy and society. Quantum technologies have the potential to revolutionize a wide range of industries, including healthcare, finance, and manufacturing. The mission is also expected to create new jobs and boost innovation in India.

The NQM is a major step forward for India in its efforts to become a leader in quantum technologies. The mission is well-funded and has the support of the government and the scientific community. With the NQM, India is well-positioned to reap the benefits of the quantum revolution. Here are some of the potential benefits of the NQM for India:

- **Economic growth:** Quantum technologies have the potential to revolutionize a wide range of industries, including healthcare, finance, and manufacturing. This could lead to significant economic growth for India.
- **Job creation:** The NQM is expected to create new jobs in the quantum technology sector. This could help to reduce unemployment and boost the Indian economy.
- **Innovation:** The NQM is expected to promote innovation in India. This could lead to the development of new products and services that could benefit the Indian people.
- **National security:** Quantum technologies could be used to improve India's national security. For example, quantum computers could be used to break encryption codes.

Countries like US, Austria, Finland, France and China already have dedicated quantum missions and India will be sixth country to accomplish this.

NQM will place India in rigid race with global leaders and competitors like China and America. The race to create such computers is sometimes referred to as the "Global Quantum Race." There is international competition to be the first country to create a fully-fledged quantum computer. Experts estimate that by 2026, the global market for quantum computing will be worth around \$2.2 billion. The financial industry, healthcare, and supply chain management are just a few of the sectors that stand to greatly benefit from the advent of quantum computing.



# 業績 (Japanese) (Achievements)

## I. Aman Deep Namdev (CSE) : 4th year

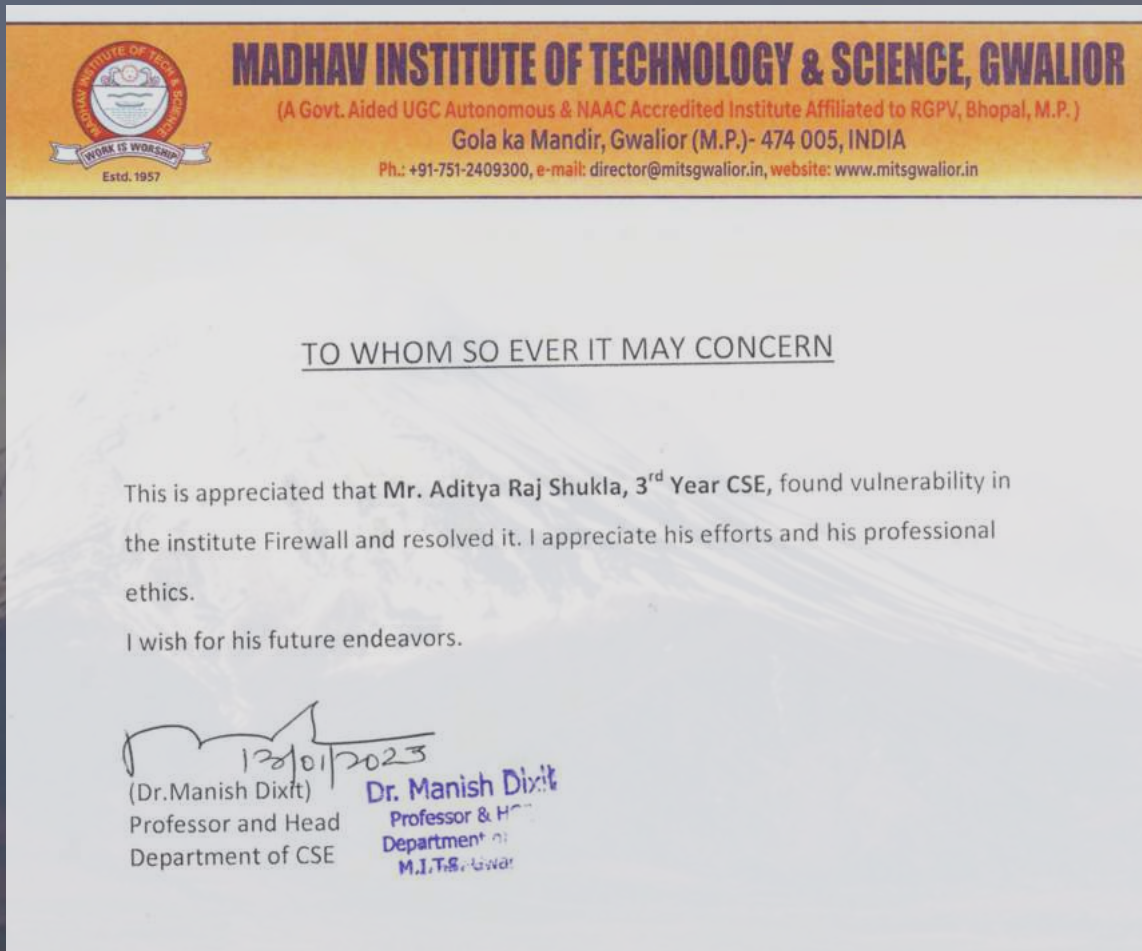
"The one over achiever"

~ "So many of us might not even know the names of what he has achieved."

"Got the 22 Lac package + internship from Play Games24x7 Pvt. Limited, Got AIR 164 in IICC Offline Grand Finale coding competition organised by AICTE, Coding Ninja and Chandigarh University. Got Rank 322 in ICPC Online Spring Challenge organised by Huawei on Multi-tenant database a very challenging problem, Got selected in top 50 participants in Route Mobile Rapid hackathon Participated in National Innovation Challenge and selected till pre final round. Participated in various coding competitions online. Contributed in GFG articles. Worked as Chegg Computer Science Expert, Placed at Sopra Steria 6 lac in pool campus organized for students of various colleges at Amity University Gwalior."

## II. Aditya Raj Shukla (CSE) : 3<sup>rd</sup> year

"The one hacking we all wanted to do"




"We all CSE students have for once in our lives, have thought of hacking our college's system. If not, then you might think about doing it after reading this: "I hacked my college's site, I don't think of it as an achievement or something, but I think any true student of computer science has a goal to hack their college site. So finally, I am the first official and unofficial person to find a vulnerability in one of the subdomains of the college site. This is an appreciation letter from one of the premier IT institutes in Gwalior, where perhaps most of the Gwalior students learn various subjects of computer science. I secured their site and made sure nobody exploited it." One of our seniors who hacked the college's site just one day before their induction. Seems funny as well as it light's up an urge in us to do so. He did so in the very second year."

Link to the blog: <https://link.medium.com/cVzT065HOzb>

### III. Somya Jain (CSE) :

AIR **1349** in GATE CSE 2023

GATE 2023 Graduate Aptitude Test in Engineering अभियंताओं के लिए प्रवेश परीक्षा		Scorecard			
Name of Candidate	SOMYA JAIN				
Parent's/Guardian's Name	RAJESH KUMAR JAIN				
Registration Number	CS23S15016065				
Date of Birth	23-Apr-2001				
Examination Paper	Computer Science and Information Technology (CS)				
GATE Score:	<b>592</b>	Marks out of 100:	<b>54</b>		
All India Rank in this paper:	<b>1349</b>	Qualifying Marks*	General	EWS/OBC (NCL)	SC/ST/PwD
Number of Candidates Appeared in this paper:	<b>75680</b>		32.5	29.2	21.6

### IV. Harsh Kumar Singh (CSE) : 3<sup>rd</sup> year

AIR **3784** in GATE CSE 2023

"Gate is one of the toughest exams. Clearing one isn't an easy goal. And here we one of seniors who cleared gate with an excellent rank. We look up to such seniors who set such goals and make us feel too, of being capable to achieve something big in the future."

GATE 2023 Graduate Aptitude Test in Engineering अभियंताओं के लिए प्रवेश परीक्षा		Scorecard			
Name of Candidate	HARSH KUMAR SINGH				
Parent's/Guardian's Name	SANJAY KUMAR SINGH				
Registration Number	CS23S15012246				
Date of Birth	07-Aug-2002				
Examination Paper	Computer Science and Information Technology (CS)				
GATE Score:	<b>472</b>	Marks out of 100:	<b>43.33</b>		
All India Rank in this paper:	<b>3784</b>	Qualifying Marks*	General	EWS/OBC (NCL)	SC/ST/PwD
Number of Candidates Appeared in this paper:	<b>75680</b>		32.5	29.2	21.6

# V. Smita Parte (Faculty):

I achieved 6 NPTEL Certification in ONE SHOT....

**Elite**

**NPTEL Online Certification**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**SMITA PARTE**  
for successfully completing the course

**Foundation of Cloud IoT Edge ML**

with a consolidated score of **86** %

Online Assignments	23.29/25	Proctored Exam	63/75
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Total number of candidates certified in this course: **1649**

Jan-Apr 2023  
(8 week course)

Prof. Salyaki Roy  
NPTEL Coordinator  
IIT Kanpur

Indian Institute of Technology Kanpur



**Elite**

**NPTEL Online Certification**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**SMITA PARTE**  
for successfully completing the course

**Introduction to Automata, Languages and Com**

with a consolidated score of **68** %

Online Assignments	18.91/25	Proctored Exam	48
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Total number of candidates certified in this course: **162**

Jan-Apr 2023  
(12 week course)

Indian Institute of Technology Kharagpur

63682567 To validate the certificate

**Elite**

**NPTEL Online Certification**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**SMITA PARTE**  
for successfully completing the course

**Introduction to Soft Computing**

with a consolidated score of **80** %

Online Assignments	24.71/25	Proctored Exam	55.1/75
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Total number of candidates certified in this course: **1105**

Jan-Mar 2023  
(8 week course)

Prof. Debjani Chakraborty  
Coordinator, NPTEL  
IIT Kharagpur

Indian Institute of Technology Kharagpur



**Elite**

**NPTEL Online Certification**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**SMITA PARTE**  
for successfully completing the course

**Cryptography and Network Security**

with a consolidated score of **63** %

Online Assignments	19.06/25	Proctored Exam	
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Total number of candidates certified in this course: **1810**

Jul-Oct 2022  
(12 week course)

Indian Institute of Technology Kharagpur

**Elite**

**NPTEL Online Certification**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**SMITA PARTE**  
for successfully completing the course

**Fundamental Algorithms: Design and**

with a consolidated score of **67** %

Online Assignments	21.67/25	Proctored Exam	
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Total number of candidates certified in this course: **5**

Jan-Feb 2023  
(4 week course)

Indian Institute of Technology Kharagpur

539534650481 To validate the certificate

**Elite**

**NPTEL Online Certification**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**SMITA PARTE**  
for successfully completing the course

**Cloud Computing**

with a consolidated score of **73** %

Online Assignments	24.06/25	Proctored Exam	
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Total number of candidates certified in this course: **1**

Jan-Apr 2023  
(12 week course)

Indian Institute of Technology Kharagpur

534253682955 To validate the certificate

**Elite**

**NPTEL Online Certification**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**SMITA PARTE**  
for successfully completing the course

**Compiler Design**

with a consolidated score of **55** %

Online Assignments	22.38/25	Proctored Exam	
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Total number of candidates certified in this course: **381**

Jan-Apr 2023  
(12 week course)

Indian Institute of Technology Kharagpur

563c80699 To validate the certificate



# न्यूज़ (Korean) (News)

## Science Day सबसे ज्यादा इलेक्ट्रॉनिक सेक्टर में युवा कर रहे काम इन्वेंशन को कस्टमाइज कर बनाए उत्पाद, युवा जीवन बना रहे आसान

पत्रिका plus रिपोर्ट

ग्वालियर, आधुनिक परिवेश में विज्ञान के निरंतर हो रहे विकास और बढ़ते उपयोग ने मानव जीवन को अनेक गतिविधियों को आसान बना दिया है। विज्ञान आज साधन मात्र ही नहीं, बल्कि जरूरत बन गया है। क्योंकि विज्ञान वह व्यवस्थित ज्ञान है, जो विचार, अवलोकन, अभ्यसन और प्रयोग से प्राप्त होता है। शहर के युवा इसी विज्ञान के सहारे कई इन्वेंशन को कस्टमाइज कर इम्प्लीमेंट कर रहे हैं, जो लोगों के जीवन को आसान बना रहा है। आज राष्ट्रीय विज्ञान दिवस है। हम आपको ऐसे ही युवाओं से परिचित करा रहे हैं, जिन्होंने ग्रेनुएशन के दौरान इन्वेंशन को जरूरत के हिसाब से कस्टमाइज किया है।



हमने एलईडी सर्किट बनाया है, जो ब्लिंक करती है। इसे अक्सर बच्चों को टॉयज में देखा जाता है। हमारे प्रोजेक्ट में खास बात यह है कि इसका उपयोग फ्लैश लाइट के रूप में भी कर सकते हैं। इस इन्वेंशन को हमने कस्टमाइज कर जरूरत के हिसाब से तैयार किया।



जतिन श्रीवास्तव, स्टूडेंट

मैंने एलईडी देजर सर्किट तैयार किया है। इसमें फाइव-फाइव टाइम अइडी कंपोनेंट लगाया है। इसका उपयोग सालों के साथ ही बड़े प्रोजेक्ट डिजिटल बलॉक, फायर जलार्म, अल्ट्रासॉन्ड स्ट्रीट लाइट में भी कर सकते हैं। इसकी सर्किट उन्च के मुकाबले फास्ट है और इसकी लाइफ भी अधिक है। **सैनक माडिब, स्टूडेंट**



मैंने ऑटोमेटिक स्ट्रीट लाइट तैयार की है। रोड के ऊपर से कार या किसी व्यक्ति के निकलते ही लाइट जलेगी और जब कोई नहीं होगा, तब बंद रहेगी। इससे बिजली की बचत हो सकेगी। इसमें छोटी और बड़ी लाइट्स बनाई गई हैं, जो स्ट्रीट लाइट के रूप में भी इस्तेमाल की जा सकती हैं।

तनिष्क उचाड़िया, स्टूडेंट

दैनिक भास्कर

ग्वालियर 26-03-2023

## स्कॉलरशिप तो प्रोत्साहन है, आपको आंत्रप्रेन्योर बनना है: महानआर्यमन

17 विद्यार्थियों को 30 लाख रुपए की स्कॉलरशिप दी गई



ग्वालियर | स्कॉलरशिप तो आपके लिए एक प्रोत्साहन है। आप सभी को एक कदम आगे बढ़कर आंत्रप्रेन्योर बनना है। समाज में सफल इंजीनियर की भूमिका भी निभानी है। यह बात बोर्ड ऑफ गवर्नेस के सदस्य और जोड़ीसीए उपाध्यक्ष महानआर्यमन सिंधिया ने कही। वे शनिवार को एमआईटीएस में स्कॉलरशिप वितरण कार्यक्रम में बोल रहे थे। इसमें 17 विद्यार्थियों को 30 लाख रुपए की स्कॉलरशिप दी गई। इस मौके पर बोर्ड ऑफ गवर्नेस के सदस्य प्रशांत मेहता, सिंधिया इंजीनियरिंग कॉलेज सोसाइटी के सचिव रमेश अग्रवाल और डायरेक्टर डॉ. आरके पंडित मौजूद रहे। संचालन डॉ. मनीष दीक्षित ने किया। वहीं उन्होंने डीआरपी लाइन स्थित शास्त्रीय

उच्चतर माध्यमिक विद्यालय के छात्रों से संवाद किया। उर्जा मंत्री प्रद्युम्न सिंह तोमर और महाआर्यमन सिंधिया ने स्कूल के तैयार किए गए उर्जा मंत्री तोमर ने स्कूल की छात्रा छाया चौहान को मंत्री स्वेच्छा निधि से 40 हजार रुपए की सहायता देने की भी घोषणा की।

**इन्हें मिली स्कॉलरशिप:** अंकित नमदेव, दीक्षा शर्मा, तन्मय स्वर्णकार, अभिधा जोशी, निहारिका पचौरी, हर्ष कुरावाह, कुलदीप भार्गव, श्रेया चतुर्वेदी, निखिल गुप्ता, यशराज शिर्के, देवांश राजपूत, अनूप सिंह, प्रथम शर्मा, देवेंद्र पाटीदार, प्रशांत कुमार, प्रद्युम्न और आदित्य कुमार शामिल हैं।

## एमआईटीएस में 17 चयनित विद्यार्थियों को स्कॉलरशिप

नवभारत न्यूज

ग्वालियर 25 मार्च। भारत को एक युवा देश है। इस संदर्भ में एमआईटीएस कॉलेज, ग्वालियर में युवा अनस्टांपेबल स्कॉलरशिप स्कीम के तहत चयनित युवाओं के नाम घोषित किये गए। यह कार्यक्रम महानआर्यमन सिंधिया के विशेष प्रयासों से संभव हो पाया है। इस स्कीम के तहत कॉलेज के कंप्यूटर साइंस एंड इंजीनियरिंग विभाग के 17 चयनित विद्यार्थियों को अच्छे नंबर से परीक्षा उत्तीर्ण करने पर 4 साल तक यह स्कॉलरशिप देना सुनिश्चित किया गया है। स्कॉलरशिप में लगभग 30 लाख रुपए का आवंटन किया गया। यह स्कॉलरशिप होनहार युवाओं को आर्थिक रूप से सहायता एवं मानसिक रूप से शिक्षा जगत में आगे बढ़ने हेतु प्रोत्साहन प्रदान करेगी। कार्यक्रम में संस्था के बोर्ड ऑफ गवर्नेस, महानआर्यमन सिंधियाने कहा की ये स्कॉलरशिप तो एक प्रोत्साहन है आप सभी को एक कदम आगे बढ़ाते हुई एक इंटरप्रानूर बनना है और समाज में एक सफल इंजीनियर की भूमिका निभाना है। उन्होंने कहा की युवाओं का एक



बड़ा हिस्सा जनसंख्या में मौजूद है और उनके प्रयासों से ना सिर्फ प्रदेश बल्कि देश का नाम विश्व पटल पर अंकित होगा।

इस अवसर पर संस्थान के बोर्ड ऑफ गवर्नेस के सदस्य श्री प्रशांत मेहता जी, सिंधिया

इंजीनियरिंग कॉलेज सोसाइटी के सचिव इंजी. रमेश अग्रवाल जी एवं डायरेक्टर डॉ. आर. के. पंडित उपस्थित रहे। कार्यक्रम का संचालन कंप्यूटर साइंस विभाग के प्रोफेसर एंड हेड डॉ. मनीष दीक्षित द्वारा किया गया।

**प्रेमराज मीणा श्योपुर संवाददाता नियुक्त नवभारत**

श्योपुर में समाचार एवं विज्ञापन व प्रसार के लिए प्रेमराज मीणा संवाददाता नियुक्त किये गये हैं। नवभारत में विज्ञापन एवं समाचार के लिए संपर्क करें

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## एजुकेशन

एमआइटीएस में गेट टॉपर्स समिट में शामिल हुए एल्युमिनाई

# आपने जो सपने देखे हैं, वे पूरे होंगे, लक्ष्य से भ्रमित न हों

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ग्वालियर. एमआइटीएस के एएएसएफ फोरम की ओर से को गेट टॉपर्स समिट हुई। इसमें पांच गेट टॉपर्स को अपने अनुभव और संघर्ष साझा किए। ये सभी एमआइटीएस से पासआउट थे, जो एल्युमिनाई की भूमिका में छात्रों को गाइड कर रहे हैं। स्पीकर कार्तिकेय कुमार ने बताया कि उन्हें प्लेसमेंट में परेशानी हुई, लेकिन सफलता मिली। कोचिंग के बिना तैयारी के मैंने गेट क्लियर किया। स्पीकर आकाश कुमार वर्मा ने बताया कि जब मैं परीक्षा की तैयारी कर रहा था, तब लगभग 70 टेस्ट सीरीज का अभ्यास किया, फिर भी मेरा स्कोर अच्छा नहीं था। लेकिन हार नहीं मानी,



मेहनत की और सफलता पाई। स्पीकर पवित्र खरे ने बताया कि मैंने गेट एग्जाम से 4 महीने पहले ही तैयारी शुरू कर दी थी। मैंने गेट के लिए 3

घंटे और डीएसए के लिए 3 घंटे का समय दिया। स्पीकर अनिल कुमार चौधरी ने बताया कि गेट परीक्षा उत्तीर्ण करने के बाद साक्षात्कार के लिए

बैंगलूर से कॉल आया। यह मेरी मेहनत का परिणाम था। रिपुदमन प्रजापति ने बताया कि शिक्षकों से डाउट पूछने से तैयारी में मदद मिली।

## सफलता का कोई शॉर्टकट नहीं होता

स्पीकरों ने छात्रों को समझाते हुए कहा कि आप जो चाहते हैं, वे ही होंगे। बस अपने लक्ष्य से भ्रमित न हों। खूब मेहनत करें। लाइफ को एंजॉय करने के लिए पूरा जीवन है। अभी समय केवल पढ़कर आगे बढ़ने का है। उस पर ध्यान दें। इस अवसर पर संस्थान के निदेशक डॉ. आरके पंडित ने कहा कि छात्रों में असीम ऊर्जा होती है। सफलता का कोई शॉर्टकट नहीं होता। इस अवसर पर फोरम के प्रेसीडेंट सचिन धाकड़, समन्वयक आदित्य पांडे, गोविंद सविता उपस्थित रहे। संचालन प्रो. मनीषा पाठक ने किया।

## बर्गर पार्टी हुई, गीत गाए



## पत्रिका plus रिपोर्टर

ग्वालियर. एमआइटीएस के कम्प्यूटर साइंस एवं डिजाइन विभाग के छात्रों ने आत्म ज्योति में गीत

संगीत कार्यक्रम किया। यहां बर्गर पार्टी भी रखी गई। छात्राओं को मोटिवेशनल गीत सुनाए। कार्यक्रम में डॉ. मनीष दीक्षित, डॉ. स्मिता परते, डॉ. आरएस जादौन उपस्थित रहे।

## होली गीतों पर एकल और युगल डांस 6 मार्च को

ग्वालियर @ पत्रिका. एसोसिएशन ऑफ ग्वालियर यूथ सोसाइटी एवं संरचना समिति के संयुक्त तत्वावधान में आयोजित बहोली आई रे रंग लाईट कार्यक्रम 6 मार्च को फूलबाग स्थित मॉल में होगा। संस्था के अध्यक्ष संजय कड्डल ने बताया कि इस कार्यक्रम में केवल होली के गीतों पर डांस होगा। प्रतिभागी एकल डांस एवं युगल डांस पर प्रस्तुति देंगे।

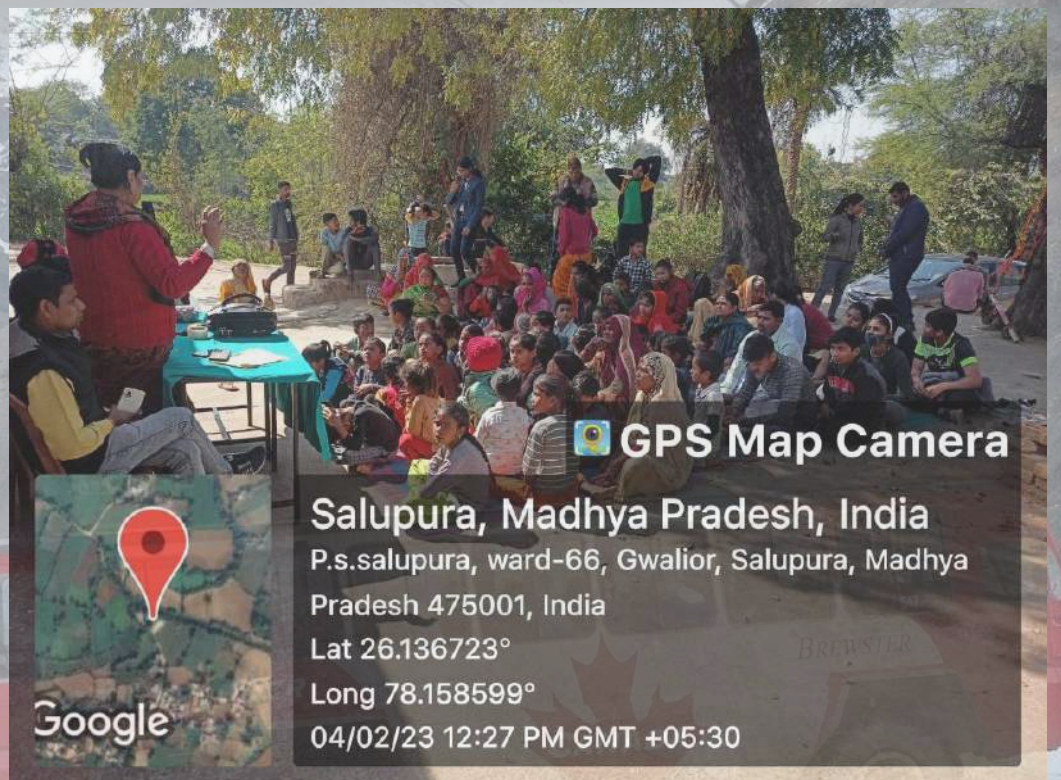
## Health Check-up Drive:

In the memory of Late H.H Shrimant Madhavrao Scindia, the Girls Grievance Cell in collaboration with Computer Science and Engineering Department, Medical dispensary MITS had organised a Health Check-up Drive within college premises. This camp was organised in collaboration with DR LAL PATH LABS.



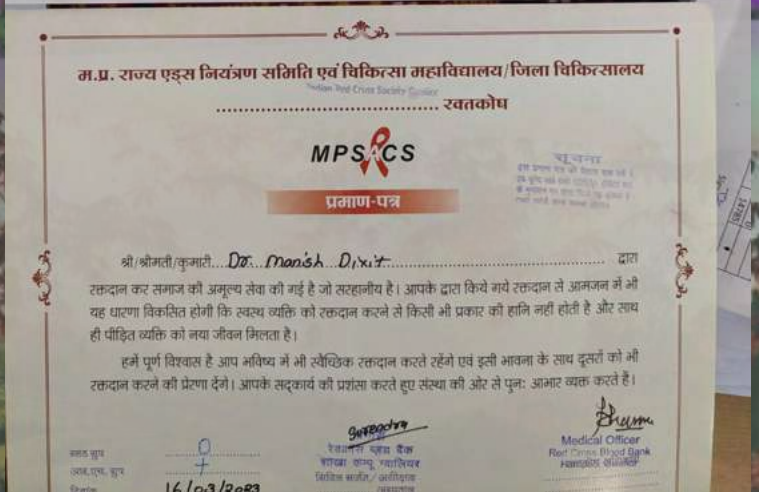
# Campaign on Health and Menstrual Hygiene Management:

The Girls Grievance Cell of MITS, Gwalior organized a campaign on "Health and Menstrual Hygiene Management" on 04.02.2023.



## Blood Donation in MITs:

Dr. Manish Dixit, Professor & Head CSE dept. donate the blood in International Blood donation event, dated 13 to 19 March 2023. This event organized by Rotaract club of Gwalior regal & Venue MITs Gwalior.



#citypride डाटा क्वेस्ट और एनपीटीईएल ने जारी की रैंक

# एबीवी ट्रिपल आइटीएम की पांचवीं, और एमआइटीएस की छठवीं रैंक

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ग्वालियर. हमारा ग्वालियर ऐतिहासिक धरोहरों, संगीत के साथ ही शिक्षा और खान-पान में भी निरंतर अपनी पहचान बनाता जा रहा है। या यूँ कहें ग्वालियर अब एजुकेशन हब बन चुका है। यही कारण है कि हर साल होने वाली रैंकिंग में हमारे शहर के संस्थान देशभर में अक्वल आते हैं।

## एनआइटी, ट्रिपल आइटीएम को भी पीछे छोड़ा

डाटा क्वेस्ट रैंकिंग-2023 में अटल विहारी बाजपेयी ट्रिपल आइटीएम को देशभर के टॉप टी स्कूल में 5वीं रैंक मिली। एनपीटीईएल की रैंक जारी हुई, जिसमें एमआइटीएस का देश में 6वां स्थान रहा। वहीं ट्रिप एडवाइजर यूएस के ट्रैवलर्स च्वाँइस अवार्ड-2023 में ग्वालियर के तानसेन रेसीडेंसी को ट्रैवलर्स च्वाँइस अवार्ड मिला।



एनपीटीईएल (नेशनल प्रोग्राम ऑन टेक्नोलॉजी एनहैंसड लर्निंग) ने एमआइटीएस (माधव इंस्टीट्यूट ऑफ टेक्नोलॉजी एंड साइंस) ग्वालियर को देशभर के 5000 कॉलेजों में 6वीं रैंक हासिल की है। एमआइटीएस के डायरेक्टर डॉ. आरके पंडित ने बताया कि एनपीटीईएल लोकल चैप्टर एएए श्रेणी का पुरस्कार दो बार, एए श्रेणी में पांच बार और ए श्रेणी में एक बार पुरस्कार प्राप्त कर चुका है। एनपीटीईएल में छात्र के प्रदर्शन और विभिन्न श्रेणी में प्रमाणन प्राप्त करने के आधार पर एनपीटीईएल लोकल चैप्टर रैंक की हर सेमेस्टर में यह रैंक प्रकाशित की जाती है। पूर्व में भी 91 छात्रों को एलीट



## वेस्ट जोन में पहली रैंक एबीवी ट्रिपल आइटीएम की

देशभर के 100 इंजीनियरिंग कॉलेज की डाटा क्वेस्ट रैंकिंग-2023 गुरुवार को जारी हुई। इसमें ग्वालियर के अटल विहारी बाजपेयी ट्रिपल आइटीएम को देशभर के टॉप टी स्कूल में 5वीं रैंक मिली। वहीं देशभर के गवर्नमेंट संस्थानों के टॉप टी स्कूल में चौथी रैंक और वेस्ट जोन में पहली रैंक हासिल की है। यह रैंक हर साल संस्थान की एजुकेशन क्वालिटी, स्टूडेंट्स के प्लेसमेंट, संस्थान का इन्फ्रास्ट्रक्चर को ध्यान में रखकर बनती है। शहर को देशभर के संस्थानों में से यह उपलब्धि मिली है। संस्थान के डायरेक्टर प्रो. एसएन सिंह ने बताया कि शिक्षा की उच्च गुणवत्ता के बल पर संस्थान हमेशा से अग्रणी रहा है।

## तानसेन रेसीडेंसी को ट्रैवलर्स च्वाँइस अवार्ड

ट्रिप एडवाइजर यूएस के ट्रैवलर्स च्वाँइस अवार्ड-2023 में मप्र पर्यटन विकास निगम की 12 इकाइयों ने ट्रिप एडवाइजर्स एनुअल ट्रैवलर्स च्वाँइस अवार्ड जीता है। इसमें ग्वालियर के तानसेन रेसीडेंसी को लगातार तीसरी बार अवार्ड मिला है। ट्रिप एडवाइजर कम्पनी विश्व में विभिन्न स्थानों पर गए पर्यटकों से प्राप्त रिपोर्ट के आधार पर मूल्यांकन कर हर वर्ष यह अवार्ड प्रदान करती है। पर्यटकों की ओर से दुनियाभर के होटल, रेस्तरां और दूसरे स्थानों



को दी हुई रेटिंग के आधार पर ट्रैवलर्स च्वाँइस अवार्ड के लिए चुना जाता है। तानसेन रेसीडेंसी के

जीएम संजय मल्होत्रा ने बताया कि हमने टीम वर्क के बल पर तीसरी बार सफलता पाई है।

गोल्ड सर्टिफिकेट, 684 को एलीट सिल्वर सर्टिफिकेट, 1302 को एलीट सर्टिफिकेट और बाकी 915 छात्रों ने सफलतापूर्वक

क्वालीफाई किया था। कम्प्यूटर साइंस के विभागाध्यक्ष डॉ. मनीष दीक्षित ने बताया कि कई एनआइटी और ट्रिपल आइटी को पीछे छोड़ते

हुए मने यह पोजीशन पाई है।



क्यूआर कोड स्कैन कर अन्य खबरें भी पढ़ें...

# مهنة ناشئة

(Arabic)

## EMERGING CAREER IN COMPUTER SCIENCE

### 1. AI and machine learning

We experience AI in our homes, our cars, our businesses, and even in public spaces. Machine learning enables an AI system to learn from data.

AI and machine learning job titles:

- Machine learning engineer
- Data scientist
- AI researcher

### 2. Robotics

The growing field of robotics focuses on building robots that can replicate human actions. A foundation in computer science equips you to program the software that helps physical and virtual bots operate effectively.

Robotics job titles:

- Robotics engineer
- Robotics technician
- Software developer

### **3. Computer forensics**

Computer forensics, also called data or digital forensics, deals with the recovery and analysis of digital evidence recovered from computers, networks, and digital storage devices.

Computer forensics job titles:

- Digital forensics specialist
- Computer forensics investigator
- Forensic computer analyst

### **4. Cybersecurity and ethical hacking**

Cybersecurity refers to the practice of protecting computer systems, networks, programs, and mobile devices from unauthorized access or digital attacks.

Cybersecurity job titles:

- Information security analyst
- Systems engineer
- Cybersecurity manager



## 5. Cloud Computing

With the emergence of cloud computing technology, companies no longer need their own servers to build products. As the cloud continues to grow, so will the demand for professionals with cloud computing skills, including cloud security, database management, and network architecture.

Cloud computing job titles:

- Cloud engineer
- Network architect
- Cloud security specialist

## 6. Bioinformatics

Bioinformatics combines mathematics, biology, and computer science to better understand biological data. Scientists in this field use the growing stream of biological data by storing, analyzing, and interpreting big data sets using computer technology.

Bioinformatics job titles:

- Bioinformatics scientist
- Research associate
- Bioinformatics engineer

## 7. UX design

User experience (UX) design helps shape a customer's emotions and attitudes when using a particular product, service, or system. Whether for a physical product or more often for a website or app, user design is concerned with gathering and analyzing data to craft the most enjoyable and efficient user experience.

UX design job titles:

- UX designer
- Information architect
- Product manager

## 8. Big data

Businesses are often inundated with data each day, more data than the human mind can make sense of on its own. This field deals with collecting and analyzing large data sets to find valuable information that can be leveraged to make better business decisions.

Big data job titles:

- Data scientist
- Data visualization developer
- Business intelligence engineer

## Trending Technologies

### QUANTUM COMPUTING

Quantum computing is a rapidly-emerging technology that harnesses the laws of quantum mechanics to solve problems too complex for classical computers.

When scientists and engineers encounter difficult problems, they turn to supercomputers. These are very large classical computers, often with thousands of classical CPU and GPU cores. However, even supercomputers struggle to solve certain kinds of problems. Then we need quantum computers to solve the problem.

Quantum computers are elegant machines, smaller and requiring less energy than supercomputers. Quantum processor is a wafer not much bigger than the one found in a laptop. And a quantum hardware system is about the size of a car, made up mostly of cooling systems to keep the superconducting processor at its ultra-cold operational temperature.

We developed the Qiskit quantum SDK. It is open-source, python-based, and by far the most widely-used quantum SDK in the world. We also developed Qiskit Runtime, the most powerful quantum programming model in the world.

# 5 G

5G technology has a theoretical peak speed of 20 Gbps, while the peak speed of 4G is only 1 Gbps. 5G also promises lower latency, which can improve the performance of business application as well as other digital experiences (such as online gaming, videoconferencing, and self-driving cars).

5G architectures will be software-defined platforms, in which networking functionality is managed through software rather than hardware. Advancements in virtualization, cloud-based technologies, and IT and business process automation enable 5G architecture to be agile and flexible and to provide anytime, anywhere user access.

5G technology will not only usher in a new era of improved network performance and speed but also new connected experiences for users.

In healthcare, 5G technology and Wi-Fi 6 connectivity will enable patients to be monitored via connected devices that constantly deliver data on key health indicators, such as heart rate and blood pressure. In the auto industry

# 3 D PRINTING

3D printing or additive manufacturing is a process of making three dimensional solid objects from a digital file. The creation of a 3D printed object is achieved using additive processes. In an additive process an object is created by laying down successive layers of material until the object is created. Each of these layers can be seen as a thinly sliced cross-section of the object.

It all starts with a 3D model. You can opt to create one from the ground up or download it from a 3D library.

Adoption of 3D printing has reached critical mass as those who have yet to integrate additive manufacturing somewhere in their supply chain are now part of an ever-shrinking minority. Where 3D printing was only suitable for prototyping and one-off manufacturing in the early stages, it is now rapidly transforming into a production technology.

A few examples:

consumer products (eyewear, footwear, design, furniture)

industrial products (manufacturing tools, prototypes, functional end-use parts)

dental products

# Extended technology

XR is an emerging umbrella term for all the immersive technologies. The ones we already have today—augmented reality (AR), virtual reality (VR), and mixed reality (MR) plus those that are still to be created. All immersive technologies extend the reality we experience by either blending the virtual and “real” worlds or by creating a fully immersive experience. Recent research revealed that more than 60% of respondents believed XR will be mainstream in the next five years

Augmented reality (AR) :- In augmented reality, virtual information and objects are overlaid on the real world. This experience enhances the real world with digital details such as images, text, and animation. You can access the experience through AR glasses or via screens, tablets, and smartphones. This means users are not isolated from the real world and can still interact and see what’s going on in front of them.

Virtual reality (VR) :- In contrast to augmented reality, in a virtual reality experience, users are fully immersed in a simulated digital environment. Individuals must put on a VR headset or head-mounted display to get a 360 -degree view of an artificial world that fools their brain into believing they are, e.g., walking on the moon, swimming under the ocean

Mixed reality (MR) :- In mixed reality, digital and real-world objects co-exist and can interact with one another in real-time. This is the latest immersive technology and is sometimes referred to as hybrid reality. It requires an MR headset and a lot more processing power than VR or AR. Microsoft's HoloLens is a great example

# COLOCACIÓN Y PASANTÍA

(Spanish)

## Internship & Placement

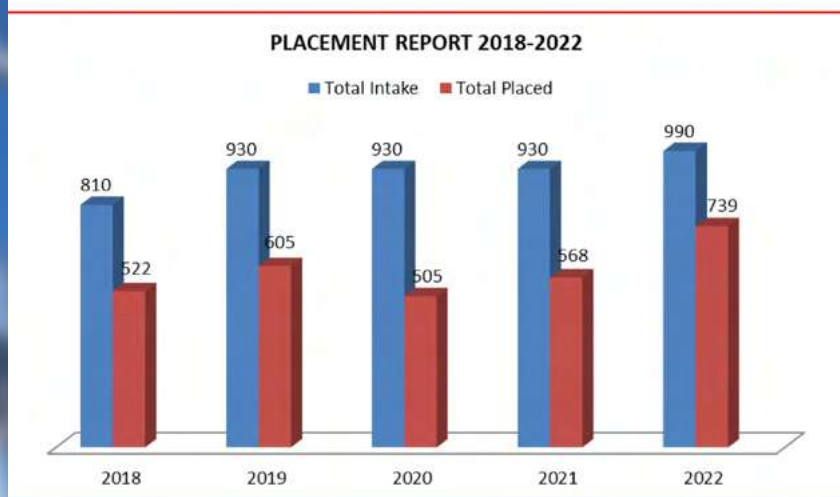
Student Name	Faculty Mentor Name	Full Name of Industry
Aayush Bhadoria	Dr. Kuldeep Narayan Tripathi	PRAEDICO GLOBAL RESEARCH PVT. LTD.
Aayushi Gupta	Dr. Manish Dixit	Hughes Systique Corporation
Abhinav Chaturvedi	Prof. Jigyasa Mishra	Praedico Global Research Pvt Ltd
Abhinav Rishishwar	Prof. Khushboo Agarwal	Redcap Digital Solution
Abhishek Kakoriya	Prof. Jaimala Jha	Crystaltech Services Private limited
Abhishek Yadav	Dr.Rajni Ranjan Singh	HYPD, Address : Pushp Vihar, New Delhi
Adarsh Tripathi	Prof.Mahesh Parmar	Sky Technosoft Pvt Ltd
Aditya Gupta	Prof. Amit Ku. Manjwar	Praedico Global Research.Pvt.Ltd
Aditya Vardhan Singh Chohan	Prof. Smita Parte	Server less CHATBOT usingAWS

# Placement Records 2022

<b>Student Name</b>	<b>Company Name</b>	<b>Annual Package</b>
<b>Saumay Kulshreshtha</b>	<b>Capillary Technologies</b>	<b>13 LPA</b>
<b>Yashraj Singh Chouhan</b>	<b>Tiger Analytics</b>	<b>8.5 LPA</b>
<b>Karishma Parashar</b>	<b>Tiger Analytics</b>	<b>8.5 LPA</b>
<b>Utkarsh Sharma</b>	<b>Tiger Analytics</b>	<b>8.5 LPA</b>
<b>Deepanshu Sharma</b>	<b>Kloudspot</b>	<b>7.5 LPA</b>
<b>Jayant Gangwani</b>	<b>Kloudspot</b>	<b>7.5 LPA</b>
<b>Rishabh Johar</b>	<b>Kloudspot</b>	<b>7.5 LPA</b>
<b>Anant Gupta</b>	<b>CSG</b>	<b>7.5 LPA</b>
<b>Ashwani Kumar Verma</b>	<b>CSG</b>	<b>7.5 LPA</b>
<b>Ayushi Mittal</b>	<b>CSG</b>	<b>7.5 LPA</b>



## Placement statistics 2018-2022



YEAR	Total intake	Total placed	Highest Salary Offered (In Lacs per annum)	Average Salary Offered (In Lacs per annum)
2018	810	522	16.5 LPA	3.45 LPA
2019	930	605	12.0 LPA	4.10 LPA
2020	930	505	14.35 LPA	4.50 LPA
2021	930	568	10.0 LPA	4.47 LPA
2022	990	739	1.0 Crore	5.00 LPA

**MITG, Gwalior witnessed promising participation of companies in campus recruitment. A total of 55 companies participated in the campus recruitment program this year across the sectors and a total of 917 offers have been made for the academic year 2021-22. 350+ students received Internship+ job offers. The highest total package was INR 1.0 crore for the current placement season followed by 2nd highest CTC offered INR 40.0 LPA and 3rd highest INR 25.0 LPA. A good number of non-IT companies visited this current season and recruited the students.**

# Le recensioni degli studenti

Student's reviews (Italian)

**Anshul Mishra**  
CSE 3rd Year



My overall experience to date has been amazing, and the college is having an amazing infrastructure.

**Uday Arya**  
CSE 3rd Year



My overall experience to date has been amazing, and the college is having an amazing infrastructure. Your college has provided me with a number of opportunities to grow and explore my skills.

**Ashpal Singh**  
CSE 3rd Year



The faculty members are quite interactive and are always ready to offer their teachings thus helping the students to broaden their spectrum of knowledge.

**Khushi Saxena**  
CSE 1st Year



Very organised and ordered, well maintained and coordinated for the welfare of the students. Highly concerned in the direction of betterment of the students

**Dileep Rathore**  
CSE 1st Year



Our Institute is good and the department is best in the Institute. The teachers also inspire us all the time.

**Nivedita Verma**  
CSE 1st Year



College inspired me to think differently. It's like no other time in your life. MITS like a fountain of knowledge and the student are there to drink. They are provide good equity

**Harshit Sharma**  
CSE 1st Year



The institute is very good. The teachers are also very supportive and nice. The department is also very good, the labs are also well maintained. At regular intervals there are quizzes and assignment which help us to

**Shreya Chaturvedi**  
CSE 1st Year



MITS has some of the best facilities and infrastructure required for a memorable learning experience. The classrooms are well-equipped with modern teaching aids, and the library offers a vast collection of resources.

**Archit Singh Baghel**  
CSD 1st Year



Our CS department works for student benefit and all our teachers are fully supportive. I am really glad about joining cs department in this college. Curriculum here is also better than all government colleges in madhya pradesh.

**Krishna Sharma**  
CSE 1st Year



Our department organizes events but on a small scale I want not every month but once in a year a big event must be organized or children should be supported And the children should also support each other and organize a big event

**Dev Mandloi**  
CSE 1st Year



All the facilities provided are too good and upto the marks. The way of teaching is also appreciable. Overall everything is excellent

**Abhay Chokotiya**  
CSE 3rd Year



Our mits college is very awesome, it has a great library it also has great faculties and it has amazing classes and have a huge building it is anti raging college

**Anurag Singh Gaharwar**  
CSE 1st Year



MITS college provides us various opportunities to explore, ranging from various club activities to hackathon and tech-fest.

**Aditya Kumar**  
CSE 1st Year



College life are the best part in every person's life. College life is a time full of experiences and learning many new things .

**Anjali Singh**  
CSD 1st Year



I am pursuing BTech in CS Branch at MITS. the quality of teaching is very good . teachers are very supportive here and also the curriculum involve lab session and theory session. yes the study here makes you job ready.

**Ankit Bharti**  
CSD 1st Year



The institute is very good. The teachers are also very supportive and nice. The department is also very good, the labs are also well maintained. At regular intervals there are quizzes and assignment which help us to

**Swati Kori**  
CSE 1st Year



Institute is over-all good and the department is also have good architecture and very helpful faculty.

**Khushi Dhakad**  
CSD 1st Year



Some things need to be changed in our department but overall institute is an average at all

**Harsh Ahirwar**  
CSE 1st Year



I found my college very nice. I make new friends here. It has very good infrastructure. Faculty of college are also very cooperative. I am looking forward for more exciting times.

**Devesh Bhargav**  
CSE 1st Year



My overall experience of college till date has been amazing and the college has provided me with a number of opportunities to grow and explore my skills.

**Piyush Sanwale**  
CSE 3rd Year



Our mits college is very awesome, it has a great library it also has great faculties and it has amazing classes and have a huge building it is anti raging college

# Creators



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Manjhar**  
~ Faculty Co-Ordinator



**Anshul Mishra**  
~ CSE 2nd Year



**Ankur Sharma**  
~ 1st Year CSE  
(Graphic Designer)



**Ansh Jain**  
~ 1st Year CSE  
(Content Writer)



**Shruti Sinha**  
~ 1st Year CSE  
(Graphic Designer)



**Khushi Dhakad**  
~ 1st Year CSE  
(Graphic Designer)



**Anjali Parihar**  
~ 1st Year CSE  
(Content Writer)



**Aman Goyal**  
~ 1st Year CSE  
(Content Writer)



**Ankit Namdev**  
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(Graphic Designer)




**Khushbu Chacholiya**  
~ 1st Year CSE  
(Content Writer)



# Reconocimiento (Spanish) (Acknowledgement)

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Warm regards,



Anjali Parihar  
Ankur Sharma  
Ansh Jain  
Shruti Sinha