



DR.D.Y.PATIL PRATHISTHAN'S  
D.Y.PATIL.COLLEGE .ENGINEERING ,AKURDI

-NBA ACCREDITATED

Department of  
Information Technology

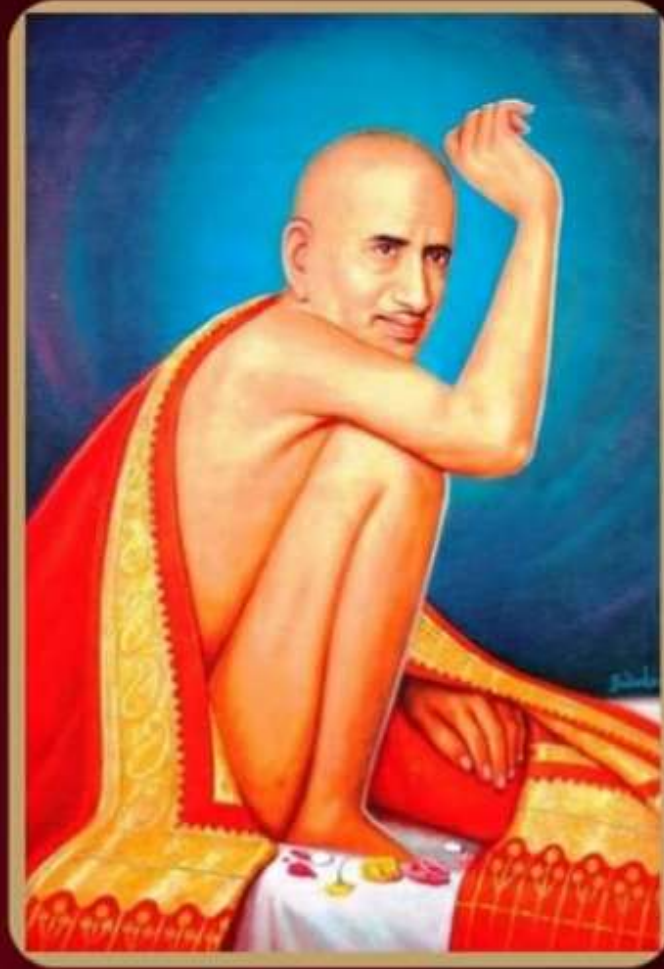
# DARPPANI

VOLUME 2  
2023-24



THE PRESIDING DEITY  
OF PRATISHTHAN

॥ श्री संत गजानन महाराज ॥



अज्ञानतिमिरान्धस्य ज्ञानाञ्जन  
शलाकया ।  
चक्षरून्मीमितं येन तस्मै  
श्री गुरुवे नमः ॥

# INFORMATION TECHNOLOGY

## VISION

**To develop globally competent IT professionals for sustainable growth of humanity**

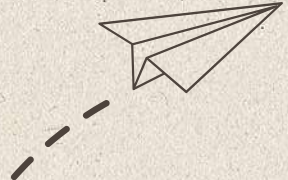
## MISSION

- 1. To build a strong foundation and techniques for problem-solving and inculcate communication skills as an integral component of Information Technology**
- 2. Develop competency skills in the faculty members and students to serve the societal challenges and needs in lieu of its multidisciplinary applications in the field of Information Technology**
- 3. Encourage development of strong technical skills and knowledge and to encourage students to undergo research in the field of Information Technology**
- 4. Nurture students to become ethical and committed lifelong IT professionals Empower students with strong decision-making skills and technical competency to accomplish start-up ideas in the field of IT Engineering.**



# Reflecting Darpan-

"Darpan" is a Sanskrit word that translates to 'mirror' in English. It is often used metaphorically to represent reflection, self-awareness, or insight. In various contexts, it can symbolize introspection, understanding, or perception.





## **PADMASHREE DR. D. Y. PATIL**

**FOUNDER PRESIDENT  
DR. D.Y. PATIL PRATISHTHAN**

At the heart of our educational philosophy is the belief that every student has the potential to achieve greatness. Over the years, we have witnessed countless stories of triumph, resilience, and transformation. Our students have surpassed expectations, embracing challenges with determination and emerging as leaders in their chosen

fields. However, our journey does not end here. As we celebrate our past achievements, we must also look to the future with a renewed sense of purpose. Our world is evolving at an unprecedented pace, so it is our responsibility to prepare our students not only for the world as it is today but also for the world they will shape tomorrow.



**HON. DR. SANJAY D. PATIL**  
PRESIDENT  
DR. D.Y. PATIL PRATISHTHAN



**HON. SHRI SATEJ D. PATIL**  
CHAIRMAN  
DR. D. Y. PATIL EDUCATIONAL  
COMPLEX, AKURDI



**HON. MR. TEJAS S. PATIL**  
TRUSTEE  
DR. D.Y. PATIL PRATISHTHAN



**RAdm AMIT VIKRAM (Retd)**  
CAMPUS DIRECTOR  
DR. D. Y. PATIL EDUCATIONAL  
COMPLEX, AKURDI



**DR. MRS. P. MALATHI**  
**PRINCIPAL**  
D.Y. Patil College Of Engineering,  
Akurdi



**DR. S. S. SARNOBAT**  
**VICE PRINCIPAL**  
D.Y. Patil College Of Engineering,  
Akurdi

# HEAD OF DEPARTMENT



**DR. PREETI S. PATIL**

**Greetings from the Department of Information Technology!!!**

I am extremely proud and glad to express my happiness towards the release of our most awaited Department magazine "DARPAN"

I congratulate the entire magazine team for their tireless efforts in compiling this edition. This magazine is a reflection of yearlong efforts of our students and faculty members at various platforms to show case their skills and talents. This magazine is a true motivation to all the budding engineers and an impactful image of our department to the outside world. A true Engineer is a professional who contributes to society and in Nation Budding.

Our department has been a live example of all those activities that have been conducted for the same. Every initiative in the department has been planned and conducted with a unique skill set and approach for the students and faculty members up graduation in the true sense.

The articles published by our students and faculty members in the magazine in the magazine are the true reflection of their novel thoughts and emotions I am sure this edition of DARPAN would be an extravaganza mirror to the real world. All my best wishes to the entire Department Magazine Team, for all their sincere efforts.

Thanking You Regards,

Dr. Preeti S. Patil

Head Dept. OF Information Technology

D.Y. Patil College of Engineering, Akurdi



# MAGAZINE CO-ORDINATOR



**MR.HIRAMAN JADHAV**

It gives me immense pleasure as our Department of Information Technology present 1st consecutive edition of department's annual technical magazine "DARPAN" to our dear readers .This year we artshowcasing innovative ideas and hidden talent to our young minds on the theme "Technological Advancements in 75 years of independence" .

The objective of the magazine is to provide platform for our students to arguments with the technology focus and scope of it. The technicalsection of magazine elaborates the advancement in the field oftechnology in India in these 75 years of Independence.

On behalf of the entire magazine team; I would like to extend my gratitude to our respected Principal Dr.P.Malathi Mam for giving me the opportunity to thank our Head of Department Dr. Preeti Patil for her continuous encouragement and guidance.

Special thanks to either editorial team for excellent team work and tireless work and efforts in successfully compiling the magazine. I congratulate all the participants for sharing distinguished articles in the magazine. Flip through the pages for a journey to get inspired and encouraged by reading articles.

**Mr.Hiraman S. Jadhav**  
**Magazine coordinator**  
**Assistant Professor**  
**Department of Information Technology**

# ITESA CO-ORDINATER



**MRS. RENUKA PATIL**

I am delighted to address you today as the ITESA coordinator to discuss our departments very own magazine DARPAN .This magazine holds a special place in our department serving as a platform for sharing knowledge, experiences and insights in the ever evolving field of information technology.Looking ahead ,we have exciting plans for DARPAN.

We aim to continue delivering high quality content and fostering innovation within our department. We welcome your contribution ,weather in the form of articles, artwork or ideas for future issue .This magazine is a reflection of our community ,and your involvement is crucial to its continued success. I would like to take this opportunity to express our sincere gratitude to all who have supported DARPAN, weather through sponsorship, guidance ,or active involvement .Your contributions have made DARPAN what it is today.

Thank you for attention and I look forward to an exciting journey with DARPAN days ahead.

Warm Regards

Mrs. Renuka Patil

ITESA Coordinate

Assistant Professor,

Department of Information Technology

# GDSC CO-ORDINATER



**MS . DIPALI PATIL**

Google Developer Students Clubs are university based community groups for students interested in Google developer technologies .

Students from all undergraduate or graduate programs with an interest in growing as a developer are welcome.

By joining a GDSC ,students grow their knowledge in a peerto-peer learning environment build solutions for local business and their community.

GDSC greatly increases students's confidence, innovation and performance Especially in academic environment, having a sense of belonging and community for students can lead to success in tech together.

**Mrs. Dipali Patil**  
**GDSC Coordinator**  
**Assistant Professor,**  
**Department of Information Technolgy**  
**DYPCOE**



## Secretary's message



**MS. PURVA GIRME**

Five things you'll never recover in life. 1. A stone after it's thrown 2. A word after it's said 3. An occasion after it's missed 4. Time after it's gone 5. Trust after it's lost.

## Co-secretary's message



**MS. SHRAWANI PHALKE**

Your biggest limitation are the ones you set for yourself .The world needs your talent and gifts.  
Believe in yourself !!



**MS. ABHIDNYA BHANUSE**

Trust the next chapter, because you are the AUTHOR.





**EKTA NANAVARE**  
EDITOR IN CHEIF



**RUCHITA PANDIT**  
MANAGING EDITOR



**RAKSHITA DHOKARE**  
CONTENT EDITOR HEAD



**NIKHIL PATIL**  
CONTENT COLLECTION HEAD



**ADITI PRABHU**  
ART HEAD



**RAHUL WAGH**  
MANAGEMENT HEAD



**SHRUTI JOSHI**  
CREATIVE HEAD



**PURVA MANE**  
CHAIRMEMBER



**TEJASHRI SHIRSATH**  
LANGUAGE HEAD



**VIRAJ MISAL**  
DESIGN HEAD





## **-Team Darpan-**

**Dear readers,**

**we are thrilled to announce the launch of our new magazine “Darpan” ! This has been a blissful journey for our team, and we are excited to finally share it with all of you.**

**The magazine is filled with incredible content from talented writers who have poured their hearts and souls into each piece. We believe you will find joy, inspiration, and insight within these pages.**

**With this year's magazine, we want to help the readers to reflect on the impact technology has on their lives and help them find a balance between the convenience of technology and the simplicity of the past. We hope our magazine will help you find your true self to lead through this ever-escalating chaos.**

**Darpan means reflection. Our team showed great enthusiasm in brainstorming ideas for content. we are glad to be the part of Darpan. To all the writers who contributed to this issue we want to extend a heartfelt congratulations and thank you.**

**Your words have moved us, challenged us, and made us think deeply about the world around us. Behind the scenes, our talented team of writers, editors, photographers, and designers worked tirelessly to curate a diverse range of articles and features that cater to your interests and passions.**

**Thanking you**

**Team Darpan**

**Department of Information Technology**

**DYPCOE**



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# ACHIEVEMENTS





# 'NURTURING BRILLIANCE SCHOLARSHIP FOR AY 2023-24'



Congratulation to Nikhil Raosaheb Patil



# SPORTS



Basketball GC **final winner**  
Institute level

Chess GC **final runner up**  
Institute level



Athletics 4\*100 m relay  
**runner ups**

# S T R O O L S



Table tennis GC  
**final winner**  
Institute level

**Winner 400m race**  
Institute level



# ITESA

INFORMATION TECHNOLOGY  
ENGINEERING STUDENT ASSOCIATION



## SE - TE INTERACTION

SE and TE minds converged at ITESA'S interaction Event ,fostering innovation and collaboration for a brighter future .

# --SE INDUCTION BY ITESA--



Instagram - @itesa.dyp



SE Induction A thilling liftoff! As we welcomed our fellow juniors to the department .

# -- TECH FEST MOVES BY ITESA X CPMC --



**CAREER COMPASS**

"Career Compass" offers real-time corporate interview experiences tailored to participants' skills and career trajectories, regardless of their level or specialization. Evaluation includes communication, confidence, technical knowledge, and more, providing valuable insights and constructive feedback for performance enhancement.

**DATE : 15TH FEB**

- LOCATION : A WING
- INDIVIDUAL PARTICIPATION
- FREE ENTRY

**CONTACT :**  
Atharva Muley : 9921659885  
Harshvardhan Bhattad : 7219664254

14-15 Feb



**PLAY WITH AI**

"Play With AI" offers contestants access to GPT-4 for various tasks or challenges. In each round, four teams compete, and winners are determined by judges' votes.

**DATE : 15TH FEB**

**WIN EXCITING PRIZES AND REWARDS**

- LOCATION : A WING
- TEAM BASED EVENT
- ENTRY FEE : 60 RS/-

**CONTACT :**  
Atharva Muley : 9921659885  
Harshvardhan Bhattad : 7219664254

14-15 Feb



**MYSTERY SHOWDOWN**

"Mystery Showdown" features three mini-events covering a variety of activities, from technical challenges like debugging to non-technical pursuits like meme contests and Pictionary. Participants or teams are free to join any event.

**DATE : 14TH FEB**

**WIN EXCITING PRIZES AND REWARDS**

- LOCATION : A WING
- INDIVIDUAL/TEAM
- ENTRY FEE : 20 RS/- PER EVENT

**CONTACT :**  
Atharva Muley : 9921659885  
Vishwajeet Phalke : 7208673641

14-15 Feb

## Events organized by Itesa X cpmc in tech fest:

"Career Compass" offers real-time corporate interview experiences tailored to participants' skills and career trajectories, regardless of their level or specialization.

Evaluation includes communication, confidence, technical knowledge, and more, providing valuable insights and constructive feedback for performance enhancement.

"Play With AI" offers contestants access to GPT-4 for various tasks or challenges. In each round, four teams compete, and winners are determined by judges' votes.

"Mystery Showdown" features three mini- events covering a variety of activities, from technical challenges like debugging to non-technical pursuits like meme contests and Pictionary.

Participants or teams are free to join any event.

# -- GLIMPS OF ITESA --



# ACTIVITIES

**ADVAIT** 2024  
IMPACT. INSPIRE. INNOVATE

**MYSTERY SHOWDOWN** LOCATION: WING  
"Mystery Showdown" features three mini-events covering a variety of activities, from technical challenges like debugging to non-technical pursuits like meme contests and Pictionary. Participants or teams are free to join any event.  
DATE: 14TH FEB

**CAREER COMPASS**  
"Career Compass" offers real-time corporate interview experiences tailored to participants' skills and career trajectories, regardless of their level or specialization. Evaluation includes communication, confidence, technical knowledge, and more, providing valuable insights and constructive feedback for performance enhancement.  
DATE: 15TH FEB

**PLAY WITH AI**  
"Play With AI" offers contestants access to GPT-4 for various tasks or challenges. In each round, four teams compete, and winners are determined by judges' votes.  
DATE: 15TH FEB

CONTACT:  
Adhish Mahesh: 9521059885  
Harshvardhan Bhattach: 7216642554  
Vishvajit Phadnis: 7218671641

REGISTER NOW  
@advait\_trade  
www.advaitdyptec.com

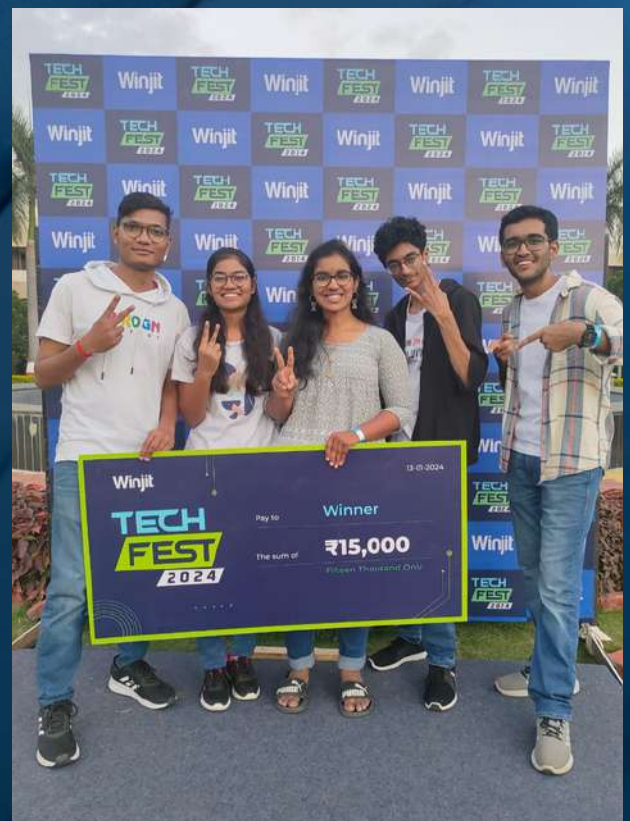
14-15 Feb

## ADVAIT TECH TRADE

From coding challenges to robotics exhibitions, Advait Tech Fest offered something for every tech enthusiast.

## WINJIT TECH FEST

"Crowning the Champions: Celebrating the Victors and Shining a Spotlight on the Champions of Our Tech Fest!"





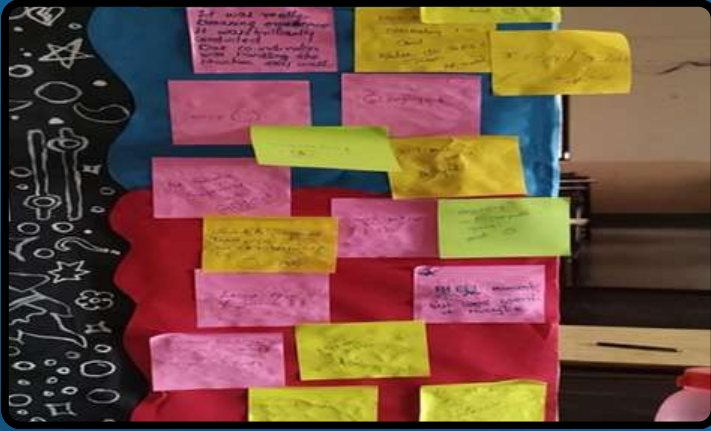
# 1. IKS ACTIVITY



*department of Information Technology Organized IKS activity under Rajgad Fort Pune on 9th Feb 2024.*



## 2. Department of Information Technology Organized “Annual Tech Fest” Under GDSC Following Activities.



**“Quest of Code”** was a captivating event hosted by the Google Developer Student Clubs (GDSC) at our college as part of the Tech Fest. This event served as a prime opportunity for students to showcase their coding proficiency and problem-solving abilities



**Celebrating Mr. N.N. Naikwadi:** With sincere appreciation, we bid farewell to a mentor who has left an indelible mark on our hardware lab. Best wishes for the road ahead

### 3. Department of Information Technology Organized “Annual Tech Fest ” Under ITESA Following Activities.



**"Experience the Ultimate Fusion of Innovation and Exploration at ITESA's Spectacular Event! From the Thrilling Mystery Showdown to the Enlightening Career Compass and the Futuristic Play with AI, Dive into a World Where Boundaries Blur and Possibilities Flourish."**

## 4. One day Industrial Visit for TE Students



**TE students from our college had a captivating industrial visit at the Software Technology Park of India, Pune, immersing themselves in cutting-edge software development processes and gaining insights from industry experts, enhancing their understanding and passion for the field.**



A guest lecture titled "How to Choose a Project Topic and Publish Papers on Project Work" was organized featuring Dr. Sudip Thepade as the speaker. Dr. Thepade shared invaluable insights and strategies on selecting project topics and navigating the process of publishing papers, empowering attendees with essential knowledge for academic success.



Students were treated to an expert lecture on Virtual Reality and Computer Graphics by Dr. Arti Dandawate, offering a comprehensive overview of these technologies' applications and advancements, igniting their curiosity and understanding in the field.



"Republic Day is not just about celebrating the birth of our nation, but also about reaffirming our commitment to the ideals of liberty, equality, and fraternity."



--Insight into the IT departments traditional day--





-- Happy moments --







-- Theme Day Glimpse --  
#BeachDayBliss





-- Fahrenheit 3.0 --



# PLACEMENTS



Pranav Yeole

**RT Camp**

18 LPA

Pooja Ambore

**JCL**

8.5 LPA



Shruti Khivansara

**JCL**

8.5 LPA



Aashvi Kothari

**Dassault Systems**

7.5 LPA



# PLACEMENTS



Anshika Tiwari

**Tata Communication**

5 LPA

Rajat Gore

**Bormbrukmeier**

5 LPA



Avinash Wani

**World Line**

6 LPA



# INHOUSE INTERNSHIP




 **GPS Map Camera**



**Pimpri-Chinchwad, Maharashtra, India**  
DY Patil College of Engineering akurdi. A-Buiding, D. of Sector 29, Akurdi, Gurudwara Colony, Nigdi, Pimpri-Chinchwad, Maharashtra 411044, India  
Lat 18.645411°  
Long 73.758605°  
01/03/24 02:15 PM GMT +05:30



 **GPS Map Camera**



**Pimpri-Chinchwad, Maharashtra, India**  
DY Patil College of Engineering akurdi. A-Buiding, D. of Sector 29, Akurdi, Gurudwara Colony, Nigdi, Pimpri-Chinchwad, Maharashtra 411044, India  
Lat 18.645401°  
Long 73.758624°  
01/03/24 03:47 PM GMT +05:30



# ARTICLES

*"Either write something worth reading or do something worth writing. You never have to change anything you got up in the middle of the night to write."*



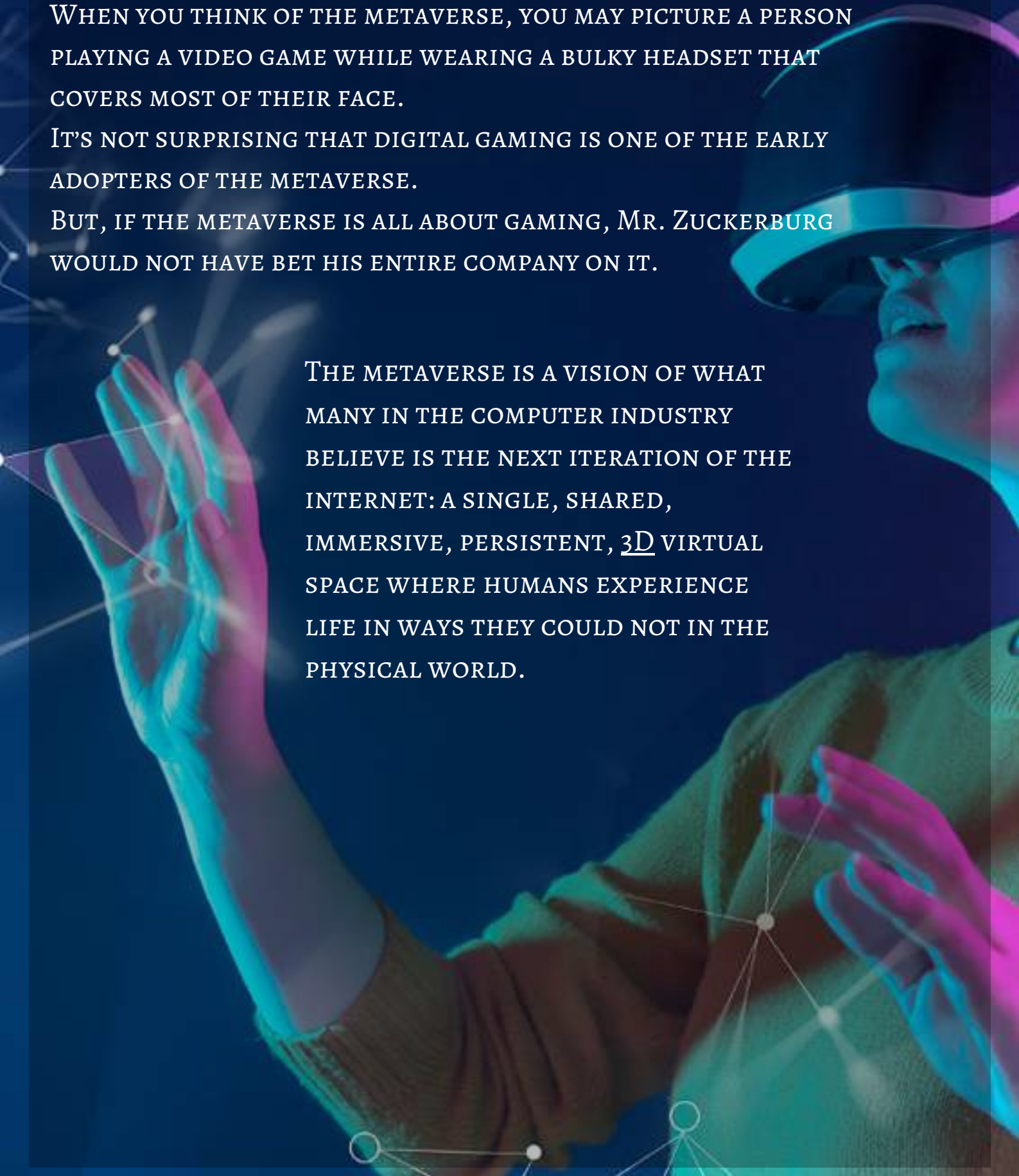
# METAVVERSE

WHEN YOU THINK OF THE METAVVERSE, YOU MAY PICTURE A PERSON PLAYING A VIDEO GAME WHILE WEARING A BULKY HEADSET THAT COVERS MOST OF THEIR FACE.

IT'S NOT SURPRISING THAT DIGITAL GAMING IS ONE OF THE EARLY ADOPTERS OF THE METAVVERSE.

BUT, IF THE METAVVERSE IS ALL ABOUT GAMING, MR. ZUCKERBURG WOULD NOT HAVE BET HIS ENTIRE COMPANY ON IT.

THE METAVVERSE IS A VISION OF WHAT MANY IN THE COMPUTER INDUSTRY BELIEVE IS THE NEXT ITERATION OF THE INTERNET: A SINGLE, SHARED, IMMERSIVE, PERSISTENT, 3D VIRTUAL SPACE WHERE HUMANS EXPERIENCE LIFE IN WAYS THEY COULD NOT IN THE PHYSICAL WORLD.





Because the metaverse is largely unbuilt, there is little agreement on how it will work. Broadly speaking, however, the metaverse is a digital ecosystem built on various kinds of 3D technology, real-time collaboration software and blockchain-based decentralized finance tools.

Factors such as the degree of interoperability among virtual worlds, data portability, governance and user interfaces will depend on how the metaverse pans out.

Lauren Lubetsky, senior manager at Bain & Company, speaking in a session on the metaverse at the 2022 MIT Platform Strategy Summit, outlined three possible scenarios:

- The metaverse remains a domain of niche applications, used by consumers for entertainment and gaming but stopping well short of an all-encompassing virtual reality.
- The metaverse is controlled by large competing ecosystems -- for example, Apple and Android meta worlds -- with limited interoperability.
- The metaverse is a dynamic, open and interoperable space, much like the internet but in 3D.

## • How is the metaverse accessed?

- **VIRTUAL REALITY** is a simulated 3D environment that enables users to interact with a virtual surrounding in a way that approximates reality as perceived throughour senses. This approximation of reality is now typically accessed through a VR headset that takes over a user's field of vision. Haptics, including gloves, vests and even full-body tracking suits, enable more lifelike interaction with the virtual environment.
- **AUGMENTED REALITY** is less immersive than VR. It adds digital overlays on top of the real world via a lens of some type. Users can still interact with their real-world environment. The game Pokémon Go is an early example of AR. Google Glass and heads-up displays in car windshields are well-known consumer AR products.



It's been a year and a half since Facebook announced it was rebranding to meta and would focus its future on the upcoming "metaverse." In the time since, the term itself has eroded into near meaninglessness. Meta is building a VR social platform, Roblox is facilitating user-generated video games, and some companies are offering up little more than broken game worlds that happened to have NFT's attached.

Just as blockchain has energized the decentralized creator economy, rapid technological advances promise to unlock future metaverse experiences and interoperability between worlds. The full rollout of 5G will enable users to process large worlds on mobile devices. Here are some other advances that will facilitate development of the metaverse:

Back-end engines will knock down barriers to creation, enabling wider audiences to create advanced games and experiences. This will facilitate a shift from 2-D internet spaces to fully immersive experiences.

Edge computing will drive the computing power required to run the metaverse. Edge computing enables data to be captured, stored, and processed locally rather than in the cloud, solving problems of limited bandwidth and latency.

# DIGITAL CURRENCY

Digital currency has the potential to completely change how society thinks about money. The rise of Bitcoin (BTC), Ethereum (ETH) and thousands of other cryptocurrencies that exist only in electronic form has led global central banks to research how national digital currencies might work.



Digital currency is any currency that's available exclusively in electronic form.

Electronic versions of currency already dominate most countries' financial systems. What differentiates digital currency from the electronic currency that's already in bank accounts is that digital currency never takes physical form.

Digital currency is an overarching term that can be used to describe different types of currencies that exist in the electronic realm. Broadly, there are three different types of currencies:

- **Cryptocurrency:**

Cryptocurrencies are digital currencies that use cryptography to secure and verify transactions in a network.<sup>1</sup> Cryptography is also used to manage and control the creation of such currencies. Bitcoin and Ethereum are examples of cryptocurrencies. Depending on the jurisdiction, cryptocurrencies may or may not be regulated.

Crypto makes it possible to transfer value online without the need for a middleman like a bank or payment processor, allowing value to transfer globally, near-instantly, 24/7, for low fees. Cryptocurrencies are usually not issued or controlled by any government or other central authority. They're managed by peer-to-peer networks of computers running free, open-source software.



## • CENTRAL BANK DIGITAL CURRENCY

A central bank digital currency is a digital currency that is issued and overseen by a country's central bank. More than 100 countries are exploring CBDCs at one level or another, according to the IMF. But as of 2022, only a handful of countries and territories have CBDC or have concrete plans to issue them.

Some places CBDC is already available include the Central Bank of The Bahamas (Sand Dollar), the Eastern Caribbean Central Bank (DCash), the Central Bank of Nigeria (e-Naira) and the Bank of Jamaica (JamDex), to name just a few.



Currently, the Federal Reserve Bank of Boston and the Massachusetts Institute of Technology's Digital Currency Initiative are jointly conducting research into a CBDC through Project Hamilton. They describe it as a "multiyear research project to explore the CBDC design space and gain a hands-on understanding of a CBDC's technical challenges and opportunities."

## • VIRTUAL CURRENCY

Virtual currencies are unregulated digital currencies controlled by developers or a founding organization consisting of various stakeholders involved in the process.<sup>2</sup> Virtual currencies can also be algorithmically controlled by a defined network protocol. An example of a virtual currency is a gaming network token whose economics is defined and controlled by developers.

# THE DUAL NATURE OF ARTIFICIAL INTELLIGENCE

Artificial Intelligence (AI) stands as one of humanity's most groundbreaking technological achievements, permeating nearly every aspect of modern society with its remarkable capabilities. From optimizing industrial processes to personalizing digital experiences, AI has fundamentally reshaped how we work, interact, and live. However, beneath its surface lies a complex web of ethical, societal, and existential implications that necessitate thorough examination and proactive management.

In recent years, the integration of AI into various industries has yielded profound benefits. In healthcare, AI-powered diagnostics have revolutionized disease detection, offering quicker and more accurate analyses than ever before. Through machine learning algorithms, medical professionals can identify patterns and anomalies in medical imaging, leading to earlier interventions and improved patient outcomes. Additionally, AI-driven virtual assistants have become indispensable tools, streamlining administrative tasks and providing personalized assistance to users across multiple platforms. Whether scheduling appointments, composing emails, or answering inquiries, these digital companions have augmented productivity and efficiency in both professional and personal settings.

Despite the undeniable benefits, the widespread adoption of AI technologies also presents significant challenges and risks. One of the most pressing concerns is the potential for widespread job displacement as automation continues to advance. While AI-driven automation promises increased efficiency and cost savings for businesses, it also threatens to disrupt traditional employment models and exacerbate socioeconomic inequalities. Low-skilled workers in sectors such as manufacturing, transportation, and retail are particularly vulnerable to displacement, necessitating proactive measures to retrain and reskill the workforce for the jobs of the future.

The proliferation of AI-generated misinformation and deepfake technology further compounds these challenges, posing significant threats to public trust, political stability, and democratic governance. Through the manipulation of digital content, malicious actors can sow discord, spread disinformation, and undermine the integrity of public discourse. In conclusion, while AI holds immense promise for advancing society, its widespread adoption presents complex challenges and risks that demand careful consideration and proactive management. By acknowledging and addressing these challenges, we can harness the transformative power of AI while safeguarding against its potential harms, ensuring a future where technology serves humanity's best interests and advances the collective well-being of society as a whole..



# 44 SOCIO-TECHNICAL INFLUENCE OVER HUMAN MIND

*In our ever-evolving world, technology has become an integral part of our daily lives. From smartphones to social media platforms, we rely on these tools for communication, entertainment, and even self-improvement. However, as we embrace these advancements, it's crucial to recognize the profound influence they wield over our minds and behaviours. The intertwining of social and technical elements has created a landscape where our thoughts, emotions, and actions are increasingly shaped by the digital realm.*

*One notable aspect of this phenomenon is the way technology affects our perception of self and others. Social media platforms, in particular, have become breeding grounds for comparison and validation-seeking behaviour. As we scroll through curated feeds filled with highlight reels of others lives, it's easy to fall into the trap of measuring our worth based on likes, comments, and followers. This constant exposure to idealized version of reality can lead to feeling of inadequacy, anxiety, and depression. Moreover, the prevalence of wearable fitness gadgets highlights another facet of the socio-technical influence over human behaviour. Instead of focusing on the intrinsic rewards of movement and the connection with our bodies, we become fixated on achieving arbitrary numerical targets set by our gadgets.*





*This shift from mindful movement to performance-driven exercise can diminish the overall experience and lead to a disconnection from our bodies' innate wisdom. Furthermore,*

*the ubiquitous nature of technology has blurred the boundaries between work and leisure, leading to a culture of constant connectivity and productivity. Smartphones and laptops allow us to be "always on," responding to emails, messages, and notifications regardless of the time or place. While this may seem like a boon for efficiency, it comes at the cost of our mental well-being.*

*Additionally, the rise of algorithmic recommendation systems has created echo chambers that reinforce our existing beliefs and biases. Instead of being exposed to diverse perspectives and challenging viewpoints, we are fed a steady diet of content tailored to our preferences and interests.*

*In conclusion, the socio-technical influence over the human mind is undeniable, with technology shaping our thoughts, behaviours, and interactions in profound ways. While there are undeniable benefits to be gleaned from these advancements, it's essential to remain vigilant of their potential pitfalls. By fostering awareness and mindfulness in our relationship with technology, we can reclaim agency over our minds and lead more fulfilling lives in the digital age.*

**-Janhavi Dahatonde**  
**SE IT B**

# 46 Privacy on a Public Blockchain in 2024: Dream or Reality?



The blockchain space might seem very attractive for users who strive to take greater control over their financial transactions and data. However, one of the most significant pillars of decentralized technology is its transparency, which allows anyone and everyone to access a blockchain's entire transaction history from its inception to the present.

This, however, could lead to a different issue often faced by public blockchains, known as the privacy paradox.

So, is it possible to achieve privacy on a public blockchain in 2024?

Key Takeaways :

- Despite the pseudonymous nature of transactions on public blockchains, user privacy remains a significant concern, as patterns of transactions can potentially be analyzed to de-anonymize users, exposing sensitive financial information.
- Striking a balance between privacy and transparency in blockchain technology is crucial for empowering users while ensuring regulatory compliance.
- Incorporating privacy-focused design principles and technologies like zero-knowledge proofs (ZKPs) can protect user data without compromising protocol transparency or regulatory requirements.
- Achieving complete blockchain privacy is difficult due to the inherent need for transparency in blockchain infrastructure. Still, solutions like on-chain privacy features and network-level privacy measures are emerging to address these challenges.

Nibras Stiebar-Bang, the CTO at Concordium, told Techopedia:

“Transactions are tied to public addresses that serve as pseudonyms. While these addresses do not directly reveal the identity of the user, patterns of transactions and interactions with known entities can potentially be analyzed to de-anonymize users.”

Stiebar-Bang further explained that financial transactions can often reveal a lot about a certain person, including their income, interests, and social connections.





## **Striking a Balance Between Blockchain Privacy and Transparency :**

**According to RAILGUN's Scott, one of the best ways crypto companies can strike a balance between privacy and transparency is by distinctly avoiding Web 2 practices like logging browsing activity.**

**In addition, “privacy-focused thinking can be incorporated in protocol design such as selecting default RPCs [remote procedure calls] that do not leak IP addresses.”**

**This can eliminate certain blockchain privacy issues that may arise while also protecting protocol transparency, Scott noted.**

**Another way to achieve blockchain privacy and transparency is by implementing zero-knowledge proofs (ZKPs) that allow verifying transactions and balances without revealing any underlying data.**

**Karel Kubat, the founder of Union, explained:**

**“For example, a company could prove that its reserves match user deposits without publicly disclosing individual account balances or transaction details. Therefore, we should still maintain a certain level of transparency without requiring users to divulge sensitive information, ultimately empowering them with control over their data and giving them the opportunity to decide with whom and when they want to share it.”**

**Another critical feature of merging blockchain privacy and transparency is how these align with existing regulations, especially around anti-money laundering (AML) and know-your-customer (KYC).**

**While privacy features aim to protect users' identities and the details of their transactions, AML and KYC regulations require a certain level of transparency to track the flow of funds and verify the parties involved in financial transactions.**

# THE GROUP OF TWENTY



INDIA is now returning in her rightful place in the global order. With the world grappling with multiple crises, India's presidency of the G20 comes at a critical juncture. We have already faced climate crisis, and the lack of progress on sustainable development goals (SDGs) was evident. Covid-19 compounded the distress. The impact of the pandemic has sent most developed economies hurtling towards recessions in 2023. All the global economy stutters, India has emerged as a bright spot. Our model of development has rightfully come under the spotlight. Our digital public goods, combined with economic reforms, investments in physical and human capital, and efforts to decarbonise have resonated with the world. Moreover, the prime minister's message that today's era is not one of war resonated globally and was reflected in the final G20 declaration .

INDIA played a crucial role in the declaration at Bali in November. The negotiations were tough and complex, owing to a deadlock over a paragraph on g20 politics, India was key in bridging the key between developing and developed nations in making the statement focused on economic growth and issues faced by developing countries. The final statement went out with consensus of all G20 nations major breakthrough. Our efforts in Bali were lauded globally and have set the stage for our presidency .The essence of India's presidency "One Earth, One Family, One Future"-will be reflected in our priorities. As spelt out by Prime Minister Narendra Modi, India's presidency will be ambitious, inclusive, decisive and action oriented. Inclusive growth and realisation of SDGs will be high on the agenda. Resilient, reliable, and diversified supplied chains for food and energy will be brought into focus. Issues such as SDG finance, energy transition and climate finance, to which the developed world has committed \$200 billion since 2009, will also be high on the agenda, along with aspects such as LiFE (Lifestyle for Environment).

The power of digital development will be demonstrated. Globally, four billion people do not have digital identities and over two billion people do not have bank accounts; 130 countries do not have digital payment mechanism, India's successful digital public infrastructure model can hold valuable lessons for the world. Leveraging this infrastructure is India's unique digital health model, which includes platforms such as CoWin. The National Digital Health Mission is another unique initiative. The initiatives have been built on the on India's strong manufacturing base in pharmaceuticals . Indian companies were able to quickly scale up and provide billions of doses of Covid vaccines . This only adds to India's credentials as a leading manufacturer of pharmaceuticals, enabling access for the developing world. The power of women-led development will also be brought into focus during our presidency.



Among India's unique contribution to the G20 will be the constitution of a new working group on disaster, risk and resilience. A new engagement group has been constituted on startups. India has seen phenomenal success, with startups solving not just economic, but also social issues. Multilateral reforms will also be brought to the table. Public finance will not be enough to bridge the investment gaps faced by developing countries in their green transitions. Private capital will have to be mobilised . However, that requires an enabling policy and regulatory environment. We will bring into focus the role of multilateral development banks. Debate and discussion around their role in risk mitigation and enabling blended and private finance flow to developing countries will be a priority. The G20 presidency is an opportunity to solidify India's position as a world leader.

-Shravani Phalke  
SE IT A

# <sup>50</sup> Cultivate a growth mindset

To prepare for a successful career as an engineering student, it's important to have a growth mindset. This means believing that your abilities and intelligence can be through dedication and hard work.

Firstly, cultivate a strong academic foundation by engaging actively in your coursework

Attend all your classes regularly and punctually.

Pay attention to the lectures, take notes, and participate in discussions, asking questions, sharing your opinions, and engaging with your classmates and instructors.

Listen attentively to the lectures and presentations, and try to understand the concepts being taught.

Take thorough and organized notes during lectures to help reinforce your understanding of the material and facilitate studying later on.

Actively engage with the course material outside of class by reviewing your notes, reading relevant texts, and conducting further research on topics of interest with the help of Internet, Library and other extra courses.

Take time to reflect on what you've learned and how it applies to real-world situations or future courses. Engaging actively in your coursework involves being proactive, participatory, and invested in your learning journey.

Stay updated with the latest technological advancements and industry trends by attending workshops, seminars, and conferences.

Remain adaptable to change, as the field of engineering is dynamic and constantly evolving

By prioritizing health and nutrition alongside academic and professional pursuits, engineering students can maintain balance, vitality, and overall well-being throughout their educational journey and beyond.

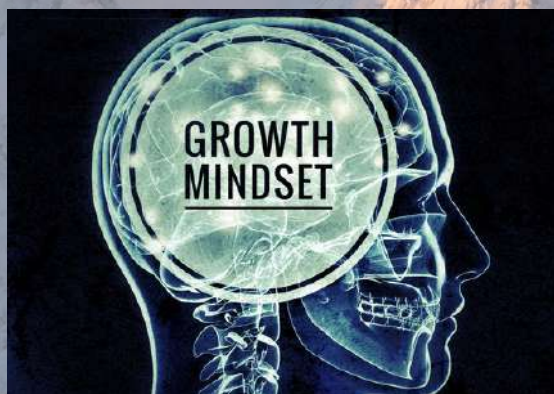
**Stress Management:** Practice stress-reduction techniques such as mindfulness, meditation, deep breathing exercises, or yoga to manage academic pressures and maintain emotional resilience. **Healthy Eating Habits:** Plan and prepare healthy meals and snacks to fuel your body and brain effectively. Opt for nutrient-dense foods that provide sustained energy and support cognitive function.

**Time Management:** Allocate time for meal planning, grocery shopping, and meal preparation to ensure access to healthy food options throughout the week. Utilize time-management strategies to balance academic commitments and self-care practices effectively.

**Community Support:** Foster a supportive and inclusive community within your academic environment to promote healthy habits and positive lifestyle choices among peers. Developing strong communication, problem-solving, and teamwork skills is crucial, as engineering often involves collaboration and effective communication with diverse teams.

Beyond the classroom, actively participate in extracurricular activities, such as engineering clubs, competitions, and projects, to enhance your practical skills and broaden your network.

Additionally, seek out internships, co-op programs, or research opportunities to gain real-world experience and insight into your chosen field. A growth mindset can be developed through dedication and hard work. Individuals with a growth mindset believe that their talents and abilities are not fixed traits but can be improved over time through effort, perseverance, and learning from failures. Here are key characteristics of a growth mindset: **Embracing Challenges:** Individuals with a growth mindset see challenges as opportunities for growth and learning. Instead of avoiding challenges, they embrace them as chances to develop new skills and knowledge. **Persistence in the Face of Setbacks:** People with a growth mindset view setbacks and failures as temporary obstacles on the path to success. They maintain resilience and perseverance, learning from their mistakes and using setbacks as opportunities for reflection and improvement. **Effort and Hard Work:** Those with a growth mindset understand that achievement comes from effort and hard work. They are willing to put in the time and energy necessary to improve their abilities and achieve their goals. **Seeking Feedback and Learning:** Individuals with a growth mindset actively seek feedback and constructive criticism to help them improve.



52 To achieve a growth mindset, consider the following steps:

**Cultivate Self-Awareness:** Reflect on your beliefs, attitudes, and reactions to challenges and setbacks. Identify any fixed mindset tendencies and challenge them with a growth mindset perspective.

**Embrace Challenges:** Instead of shying away from challenges, approach them with a positive attitude and view them as opportunities for growth and learning.

**Learn from Setbacks:** When faced with setbacks or failures, take the time to reflect on what went wrong and what you can learn from the experience. Use setbacks as opportunities to adjust your approach and improve for the future.

**Focus on Effort and Process:** Shift your focus from outcomes to the process and effort you put into achieving your goals. Recognize the value of hard work, dedication, and perseverance in the pursuit of success.

**Seek Feedback and Support:** Be open to receiving feedback from others, whether it's from teachers, mentors, or peers. Use feedback as a tool for learning and growth, and incorporate it into your efforts to improve.

**Trust your instincts and intuition** when evaluating different sources of help. Choose options that feel safe, supportive, and aligned with your values and needs. It's important to prioritize your safety and well-being.

**Set Realistic Goals:** Set achievable goals that stretch your abilities and encourage growth. Break larger goals into smaller, manageable tasks, and celebrate progress along the way.

**Practice Self-Compassion:** Be kind and compassionate to yourself, especially during times of struggle or difficulty. Treat yourself with the same understanding and encouragement you would offer to a friend facing similar challenges.

**Foster a love of learning, and unlock your full potential for personal and professional growth.** Saving yourself from negative influences such as addiction, pornography, and distractions requires a combination of self-awareness, discipline, and proactive strategies. Here are some steps to help you focus on studies and avoid harmful behaviors:

**Understand the Risks:** Educate yourself about the negative effects of addiction, pornography, and distractions on your mental, emotional, and academic well-being. Understand the consequences these behaviors can have on your studies, relationships, and overall quality of life.

**Identify Triggers:** Identify the triggers or situations that lead you to engage in negative behaviors such as excessive internet use, pornography consumption, or substance abuse. Recognize patterns of behavior and environments that make it difficult to concentrate on studies.

**Set Clear Boundaries:** Establish clear boundaries and limits around your use of technology, social media, and entertainment. Limit screen time, set specific times for studying and relaxation, and create a conducive environment for focused work without distractions.

**Understanding Relationship Dynamics:** Avoid rushing into relationships or making impulsive decisions based solely on infatuation or external pressure. Take the time to understand yourself and your expectations in romantic relationships. Prioritize building a strong foundation of mutual respect, trust, and communication with potential partners.

someone's intentions is not always straightforward, and people's motives can be complex and multifaceted. Be open-minded and considerate in your intention assessment, and avoid making assumptions or jumping to conclusions without sufficient evidence.

**Timing of Marriage and Relationships:** The "correct" time to marry or pursue romantic relationships varies for each individual and depends on personal readiness, maturity, and life circumstances.

Consider factors such as emotional readiness, financial stability, career goals, and compatibility with potential partners when evaluating the timing of marriage or committed relationships.

Embrace the journey of self-discovery and personal growth throughout young adulthood. Be open to learning from your experiences, including both successes and failures, and use them as opportunities for growth and self-improvement. It's also important for individuals to maintain their individual identities, hobbies, and interests.

Ultimately, finding balance and making informed decisions in young adulthood requires a combination of self-awareness, responsible decision-making, and a willingness to prioritize long-term well-being over short-term gratification.

Respect for oneself and others, adherence to principles of consent and mutual respect, and consideration of personal values and beliefs are important factors to consider when navigating relationships within Indian society.

By implementing these strategies and staying committed to your academic and personal well-being, you can save yourself from negative influences, focus on your studies, and cultivate a healthy, balanced lifestyle conducive to academic success and personal fulfillment. Remember that change takes time and effort, so be patient and persistent in your journey towards positive change and self-improvement.

**AUTHOR – MR.VINAY R NANGARE**

# FINDING YOUR SIDE HUSTLE

## Creative and Flexible Ways to Make Money in College

Being a college student often means juggling academics, a social life, and the ever-present need for cash. But, there are plenty of ways to bring in extra income that fit your schedule and skillset. Let Us explores creative freelancing options alongside some general advice for the cash-conscious college student.

### Channel Your Inner Director: Freelancing as a Video Editor

Social media is booming, and with it, the demand for engaging video content. If you have a knack for storytelling and a keen eye for detail, then video editing could be your golden ticket. Freelance platforms like Upwork and Fiverr connect you with businesses and individuals who need their video projects polished. Start by building a portfolio showcasing your editing skills. Offer to edit short videos for friends or local businesses to get your feet wet.

### Don't Be a Square: Become a Freelance Graphic Designer

The ability to create visually appealing graphics is a valuable asset in today's digital world. If you're a whiz with design software like Photoshop or Illustrator, consider offering freelance graphic design services. Design logos, social media graphics, or even presentations for clients. Similar to video editing, online platforms can connect you with potential customers. Build a portfolio website to showcase your design aesthetic and attract clients.

### User Testing: Putting Your Opinions to Work

Companies are constantly looking for ways to improve their websites and apps. Here's where you come in! User testing involves providing feedback on websites and apps in exchange for payment. This is a flexible way to make some extra cash, and it often requires minimal time commitment. Look for user testing opportunities on sites like UserTesting.com or enrol in usability testing agencies.



### My Experience :

For the past month, I've delved into the world of user testing, exploring various platforms and honing my skills in software testing. I've taken qualification tests on several user testing platforms, such as Playbook and TryMyUI. While the frequency of qualifying for studies can vary, I've found that the time investment needed is relatively low compared to the payments received.

Engaging in user testing has provided me with not only a source of pocket money but also an opportunity to enhance my English communication skills. By providing thoughtful feedback on websites and apps, I've learned to articulate my thoughts effectively, which has proven invaluable in both my academic pursuits and personal growth.

While I don't rely on user testing as my primary source of income, it has offered me a flexible way to earn extra cash without compromising my studies or social life. It's been a rewarding experience that has allowed me to contribute to the improvement of digital products while also benefiting personally from the process.

### Remember:

**Time Management is Key:** Balancing studies, work, and a social life requires excellent time management skills.

**Prioritise Your Studies:** While earning money is important, never let it take priority over your academic success.

**Explore Your Options:** Don't be afraid to experiment and try different ways to make money. You might discover a hidden talent or a flexible side hustle that you love.

With a little creativity and resourcefulness, you can find ways to make money in college without sacrificing your studies or social life. So, put on your hustling hat and start exploring your options!

**-Prajwal Sanap**  
**SE IT B**

# A RESOLUTION TO RAMRAJYA

*“Ram Lalla Hum Aayenge,  
Mandir Wahi Banayenge!”*

The Ram Mandir is a partially constructed Hindu temple complex in Ayodhya, Uttar Pradesh, India. Many Hindus believe that it is located at the site of Ram Janmabhoomi, the mythical birthplace of Rama, a principal deity of Hinduism. The temple was inaugurated on 22 January 2024 after a prana pratishtha ceremony.

The consecration of the Ram Temple in Ayodhya was at a very basic level considered to be a closure to what had been a dispute that had dominated the politics and culture in India at least from the 1980s. The dispute, adjudicated by the Supreme Court, after years of mass mobilisation, was sought to be put to rest under the sharp sunshine of a January day in Ayodhya. The city is poised to be a pilgrimage centre, and the throng of devotees since the consecration has been in record breaking numbers. Closure is never far from calls for new beginnings. And Prime Minister Narendra Modi's speech at the occasion spoke of a new mantra – ‘Dev se desh; Ram se rashtra’ (from God to country, and from Ram to nation), a reference to bridging the divides of religion, caste, creed and region in India. The fact that the Ram Temple was built after a Supreme Court verdict was also underlined in Mr. Modi's speech, as “restoring the trust of the people in justice”.

The original design for Ram Mandir was devised in 1988 by the Sompura family of Ahmedabad. The Sompura's have contributed to the design of over 100 temples worldwide for at least 15 generations, including the Somnath temple. The chief architect of the temple was Chandrakant Sompura, assisted by his two sons, Nikhil Sompura and Ashish Sompura, who are also architects. On the occasion of Bhumi Pujan, the Ram Lalla's dress was stitched by tailors Bhagwat Prasad and Shankar Lal, a fourth generation tailor to Rama's idol. On the occasion of the Bhoomi Poojan, soil and holy water were collected from several religious places across India, such as the Triveni Sangam of the rivers Ganga, Yamuna, and Saraswati at Prayagraj, the head of the Kaveri river] at Talakaveri in Karnataka, and the Kamakhya Temple in Assam. Soil was also sent from various Hindu temples, gurudwaras and Jain temples across the nation, as well as from the four pilgrimage sites in Char Dham, to bless the temple.

The Ram Mandir was built with funds gained through a huge fundraising drives, involving nearly two million volunteers. The first to contribute was then-president Ramnath Kovind was the first to contribute, donating ₹500,000 on 14 January 2021. Over 127 million individuals and families, including even sex workers and beggars contributed money. The temple trust has received nearly ₹50 billion in donations. The method of fundraising for the Ram Mandir seems to be inspired by Mahatma Gandhi's view that the temples should be built through fundraising and without using government money. Ram mandir construction has been termed by some media as World's largest crowdfunding project. Fundraising by the Mandir trust has ended on 27 February 2021.

**-EKTA NANAVARE**

**SE IT A**

As students, we all have many insecurities in our lives. Sometimes it may be social insecurities, academic insecurities, or appearance insecurities. But you know what matters most? It's self-confidence over all of these.

As a student, I've faced numerous insecurities, which might have caused me to miss out on some great opportunities in life. But now, at this stage, I realize that insecurities are just a test, and what really matters is self-confidence.. Insecurities are something that can help you grow and discover more about yourself.

Sometimes, we know we can do something, but because of a lack of confidence, we miss out on the opportunity. Later, when someone else does the same thing and succeeds, we regret it for years. We end up hating ourselves, wondering why we're like this or why we couldn't go for it.

But the solution for this is **SELF CONFIDENCE**

I know I know it's simple to say "just be confident," but actually building that confidence is tough. But the challenge starts from here.

If I want to change something in my life, I'd say I just want to go back in my past and confront those things I missed out on because of my lack of confidence.

Don't worry about what others think, and don't let anyone bring you down. When you feel nervous or unsure, just imagine yourself succeeding. Go out there and shine bright!

Here are some lesson's which can be helpful for those who're struggling

#### 1. Embrace Imperfection :

Embracing imperfection involves accepting that nobody is flawless and understanding that mistakes are a natural part of being human. It's about letting go of the pressure to be perfect and instead embracing our uniqueness and growth opportunities.

#### 2. Step Out of Your Comfort Zone :

Genuine growth occurs when we step beyond our comfort zones. I actively sought out challenges that intimidated me. Each triumph, no matter how small, boosted my confidence, solidifying my faith in my capabilities.

### 3. Celebrate Your Achievements :

It's easy to overlook our accomplishments in the pursuit of bigger goals. However, celebrating even the smallest victories is crucial for boosting self-confidence. Recognizing my progress fuels my confidence and motivates me to keep pushing forward.

### 4. Surround Yourself with Supportive People :

It's crucial to have supportive individuals around you for building confidence. Choose friends, family, and mentors who uplift and believe in you. Their unwavering support will enhance your confidence, creating a cycle of empowerment.

So at last, Building self-confidence is a journey that requires patience, resilience, and self-reflection. Through my own experiences, I've learned that confidence is not a destination but a continuous process of growth and self-discovery. My hope is that by sharing these article, others can embark on their own journey to self-assurance and realize their full potential.

- Shruti Joshi  
SE-IT-B



## Self regulation and emotional control

Procrastination is a complex failure of self-regulation and emotional control. Research says that around 20% people may be chronic procrastinators, i.e. delay their work unnecessarily.



“Abhi bohot time hai bhai Kal se padhenge”

# Procrastination

-By Piyush Mogare

*Procrastination increases Effectiveness? Or is it just an excuse of lazy people?*

Some people believe that they perform better under pressure while some believe that the work must be done on time rather than unnecessarily delaying it. There are two sides of coin while being a non procrastinator is difficult job being a procrastinator is easy because laziness is always fun for people.

*If it weren't the last minute, Nothing would get done.*

-RITA MAE BROWN

## Is procrastination really bad or do people love deadlines?

Procrastination is a common habit. It is the act of delaying or putting off important task. While procrastination may seem a harmless behaviour, some research say that it can have detrimental effects on various aspects of life leading to stress. In this article we will delve into the science behind procrastination, exploring its causes and possible interventions that we can make.

Procrastination is a behaviour observed throughout the history. Even the roman consul cicero condemned procrastination as “Hateful” in the conduct of affairs. Procrastination can be characterized as a gap between intention and action. Procrastinators often understand the importance of a task but struggle to bring themselves to act on it. Procrastination can have significant cost in

Various aspects of life. There is also positive procrastination which is a commitment to work on things just in future. It may free up Time. In engineering field, we may find students who study just before exam and still pass with distinction, this gives them time to do other profound things. Researchers are exploring possible interventions to overcome this habit. One possible intervention is to break

Task into smaller more manageable pieces. This approach reduces the overwhelming nature of the task making it easy.

In conclusion, Procrastination is a complex behaviour that can have significant negative consequences and may be good at few times. If anyone is a heavy procrastinator that person could break free by implementing effective interventions in their life.





कहाणी एका अभूतपूर्व यशाची...

कहाणी डॉ. राजेंद्र भारुडेंची



“मना बी पोऱ्या एक दिन कलेक्टर व्हई...”



Tribal who wrote a history of hope

## एक आदिवासी ते IAS अधिकारी

### ◆ आहेत तरी कोण डॉ. भारुड ?

डॉ. राजेंद्र भारुड यांची जीवनगाथा ही अदम्य इच्छाशक्ती, उत्कृष्टता आणि समाजसेवेच्या भावनेचा अप्रतिम संगम आहे. डॉ. राजेंद्र भारुड यांचा जन्म ७ जानेवारी १९८८ रोजी साक्री तालुक्यातील सामोडे या छोट्याशा गावात झाला. महाराष्ट्राच्या ग्रामीण भागातील सामोडे येथील भील आदिवासी समुदायात जन्माला आलेल्या राजेंद्रांनी वडिलांच्या अस्तित्वाशिवाय आर्थिक अडचणींचा सामना करत शैक्षणिक उत्कर्ष साध्य केला. सर्व अडचणींचा सामना करत, डॉ. भारुड यांनी २००६ मध्ये वैद्यकीय प्रवेश परीक्षा उत्तीर्ण केली. त्यांनी मुंबईच्या केईएम हॉस्पिटल आणि सेठ जीएस मेडिकल कॉलेजमधून वैद्यकीय पदवी मिळवली. केईएम हॉस्पिटल आणि सेठ जीएस मेडिकल कॉलेजमध्ये 'सर्वोत्कृष्ट विद्यार्थी पुरस्कार' मिळवून राजेंद्र भारुड यांनी स्वतःला सिद्ध केले. एमबीबीएसच्या अंतिम वर्षात असतानाच त्यांनी यूपीएससीच्या परीक्षेचे आव्हान स्वीकारले. या परीक्षेची तयारी त्यांनी अत्यंत कठीण परिश्रमाने आणि एकनिष्ठतेने केली. इंटरशिप सुरू असतानाच त्यांनी दोन्ही परीक्षांची तयारी केली, जे नक्कीच एक कठीण काम होते. तथापि, त्यांच्या दृढ निश्चयी वृत्तीमुळे ते या आव्हानांवर मात करू शकले. पहिल्याच प्रयत्नात यूपीएससी परीक्षेत उत्तीर्ण होऊन, त्यांनी आयआरएस (भारतीय राजस्व सेवा) पद मिळवले. हा क्षण त्यांच्या आणि त्यांच्या कुटुंबाच्या जीवनातील एक मोठा टप्पा होता. त्यांची ही यशोगाथा न केवळ त्यांच्या स्वतःच्या संघर्षाची कहाणी आहे, तर ती समाजातील प्रत्येक तरुणाईला प्रेरणा देणारी आहे.

डॉ. राजेंद्र भारुड यांच्या असामान्य यशोगाथेचे पुढचे अध्याय तेव्हा सुरू झाले जेव्हा त्यांनी भारतीय राजस्व सेवा (आयआरएस) मधून भारतीय प्रशासकीय सेवा (आयएस) कडे वळण घेतले. आयआरएस म्हणून त्यांच्या कामगिरीने त्यांच्या नेतृत्व क्षमता आणि समाजासाठी काहीतरी वेगळे करण्याच्या त्यांच्या इच्छेला प्रतिबिंबित केले. यूपीएससीच्या दुसऱ्या प्रयत्नात उत्तीर्ण होऊन, त्यांनी आयएस अधिकारी म्हणून आपली सेवा सुरू केली. या नव्या भूमिकेत, ते आपल्या वैद्यकीय पृष्ठभूमी आणि प्रशासकीय क्षमतेचा उपयोग करून जिल्हा आणि राज्याच्या सामाजिक आणि आरोग्य विकासासाठी महत्वाचे काम करीत आहेत. त्यांचा हा प्रवास म्हणजे केवळ वैयक्तिक यश नव्हे, तर समाजासाठी अमूल्य योगदान देण्याची त्यांची अखंड इच्छा आणि संकल्पना दर्शवितो.



**“जर त्या काळी मी फेसबुक वर पोस्ट लिहित राहिलो असतो आणि वाट्याला आलेली संघर्षाची कथा उगळत राहिलो असतो तर इथपर्यंत पोहोचलो नसतो...”**

डॉ. राजेंद्र भारुड यांनी आयएस अधिकारी म्हणून विविध महत्वपूर्ण पदांवर काम केले आहे, ज्यात त्यांच्या नेतृत्वाखाली अनेक यशस्वी उपक्रम राबवण्यात आले आहेत. सध्या ते नंदुरबार जिल्ह्याचे जिल्हाधिकारी म्हणून कार्यरत आहेत, जिथे त्यांनी ग्रामीण विकास, आरोग्य सेवा, शिक्षणातील सुधारणा आणि सामाजिक न्याय यासारख्या विविध क्षेत्रांत अभूतपूर्व काम केले आहे. विशेषतः COVID-19 महामारीच्या काळात त्यांच्या नेतृत्वाखाली नंदुरबार जिल्ह्याने विशेष उपाययोजना आणि आरोग्य सेवांच्या सक्षम व्यवस्थापनाद्वारे लक्षणीय कामगिरी केली. त्यांनी ऑक्सिजन बँकेची स्थापना केली, जी इतर जिल्ह्यांसाठी एक आदर्श ठरली. त्याचबरोबर, शासकीय योजनांची प्रभावी अंमलबजावणी, डिजिटल शिक्षणाचा प्रसार, आणि आदिवासी विकासासाठी विशेष प्रयत्न केले गेले.

डॉ. भारुड यांचे योगदान समाजाच्या विविध घटकांच्या उत्थानासाठी महत्वपूर्ण ठरले आहे. त्यांच्या कार्यकाळात त्यांनी जिल्ह्याच्या विकासासाठी नवनवीन पद्धतींचा वापर केला आहे, ज्यामुळे ते नवनिर्मिती आणि समाजसेवेच्या क्षेत्रातील एक प्रेरणादायी व्यक्तिमत्त्व म्हणून उदयास आले आहेत. त्यांच्या या प्रगतिशील विचारसरणी आणि कार्यामुळे ते न केवळ आपल्या जिल्ह्यात तर संपूर्ण महाराष्ट्रात एक आदर्श अधिकारी म्हणून पाहिले जातात.

डॉ. राजेंद्र भारुड यांची कहाणी ही संघर्ष, ध्येयनिष्ठा आणि समाजसेवेचे एक अनुकरणीय उदाहरण आहे. त्यांचा जीवनप्रवास आजच्या तरुणाईला शिकवतो की, कठोर परिश्रम आणि समर्पणाने अशक्य ते शक्य करता येते आणि स्वप्नांच्या पाठलागाने मोठे यश साध्य करता येते. त्यांनी न केवळ वैद्यकीय क्षेत्रात आपले नाव कोरले, तर यूपीएससीच्या कठीण परीक्षेत उत्तीर्ण होऊन आयएस अधिकारी म्हणून समाजाच्या सेवेसाठी आपले जीवन समर्पित केले. त्यांचा प्रवास हा संघर्ष, दृढ निश्चय आणि अभूतपूर्व यशाची प्रेरणादायी कथा आहे, जी तरुणांना त्यांच्या स्वप्नांचा पाठलाग करण्याची ऊर्जा आणि प्रेरणा प्रदान करते.

**"Poverty is what we have known since birth. It is etched so deep within every person in the village that no one realises they are poor or illiterate. Each person is happy with what they have, and by living on nature's resources."**

~ Dr. Rajendra Bharud,

- निखिल पाटील



“शाळेचा पहिला दिवस मला आजही लख्ख आठवतोय... मी सकाळपासून रडत होतो. पाटी, पेन्सिल, पुस्तक एका नायलॉनच्या पिशवीत टाकून माय मला घेऊन शाळेकडे निघाली. माझं रडणं सतत चालूच होतं. मध्येच मायच्या हाताला जोराचा झटका देत, मी मोठमायच्या घराकडे धावत सुटलो... मोठमायच्या घरात जाणं म्हणजे आगीतून निघून फुफाट्यात सापडणं होतं, हे त्या वेळी माझ्या बालमनाला समजत नव्हतं. मोठमाय म्हणजे महाकाली. तिने सरळ मला उचललं आणि मायला सोबत घेऊन थेट मला हेडमास्तरांकडे घेऊन गेली. मी निषेध म्हणून जमिनीवर पडून गडबडा लोळत होतो. पण या दोघीही माझ्याकडे जराही ढुंकून न पाहता घरी निघून गेल्या...

धुळे जिल्हा हा एक आदिवासीबहुल जिल्हा... याच जिल्ह्यातील आणि तालुक्यातील सामोडे गावात एका भिल्ल कुटुंबात माझा जन्म झाला. घरामध्ये कर्ता पुरुष कोणीही नसला तरी दोन खमक्या बायका होत्या... माय, मोठमाय (मावशी), मोठा भाऊ, मोठी बहीण आणि एक म्हैस असा आमचा कुटुंबकबिला. आमच्या भिलाटीमध्ये शिक्षण, शाळा याचा कित्येक वर्षे कुणाचाही दुरान्वये संबंध आला नव्हता. चुकून कधीतरी एखादा मुलगा फाटका सदरा आणि ठिगळ लावलेली चड्डी घालून मध्येच कळपातून चुकलेल्या वासरासारखा शाळेत जाताना दिसे, पण तेवढाच... त्यानंतर पुन्हा ये रे माझ्या मागल्या. अशा परिस्थितीत मोठमाय आणि मायने शाळेत माझे नाव घातले. तिथेच माझ्या आयुष्याच्या बदलाला सुरुवात झाली. मावशी आणि आई निरक्षर असली तरीही शिक्षणाचे महत्त्व त्यांना कळले होते. कदाचित त्याचमुळे मला शाळेत पाठवण्याचा अट्टहास होता...

पाठीवर बि-हाड घेऊन फिरणारी आम्ही भिल्ल समाजातील माणसं... पोट नेईल तिथं जायचो. असेच आमचे पूर्वज कधीतरी सामोड्यामध्ये येऊन स्थिरावले... काही भिल्लांची स्वतःच्या मालकीची जमीन असली तरी पाण्याचं दुर्भिक्ष असल्यामुळे शेवटी मजुरीसाठी परप्रांतात जावंच लागत असे. बहुतेककरून आमच्या खान्देशातील भिल्ल गुजरातेत जात असत. बहुसंख्यांकडे ना स्वतःचा व्यवसाय ना शेतजमीन; रानावनात राहणारे आम्ही, मासे पकडणे अथवा दारू गाळणे हा व्यवसाय करीत असू. घरातील लहान-थोर सर्वच दारू पीत. त्यामुळे दारू हे व्यसन वाईट असून ते करू नये, असे सांगणारे घरात कुणीच नाही. अशा वातावरणात मी वाढलो. मी आईच्या पोटात असतानाच वडील गेले. गर्भपात करून घेण्यासाठी प्रचंड दबाव असताना माझ्या आईच्या बाजूने ठामपणे उभ्या राहणा-या मावशीने आईला आणि माझ्या दोन्ही भावंडांना तिच्या घरी आणले. आमच्या सामोड्यामध्येदेखील अभिजनांची शाहू वस्ती होती. तेथील मुले शाळेत जात...

माझी शाळेमधली प्रगती उत्तरोत्तर उंचावत गेली. पुस्तकी अभ्यासाबरोबरच इतर गोष्टींमध्ये मला गती होती. आता शाळेतील शिक्षक घरी येऊन माझी प्रगती सांगत होते. मी प्रगती करतो म्हणजे काय, हे जरी कळत नसलं तरी मी काही तरी चांगलं करतोय आणि म्हणूनच शाळेतले शिक्षक घरी येताहेत, इतकंच मायला आणि मोठमायला कळत होतं. मी दहावीत असतानाच, माझ्या ब-याचशा मित्रांची लग्नं झाली होती. म्हणजे 15-16व्या वर्षीच माझ्या मित्रांची लग्नं होऊन ते भिलाटीतील इतरांसारखे मजुरीवर जात होते. ‘शाळा शिकाऊन पो-याला कोठे नोकरी लागाऊ शे? घर राही त पैसा तरी कमाई’, असा साधारण सगळ्यांचा सूर होता. खरे तर त्या पालकांचे म्हणणे बरोबर होते. कारण गरिबीमुळे शिक्षण अर्धवट सोडून कुटुंबाला हातभार लावणे, ही त्या क्षणाची गरज होती.

अगदी माझ्या मामा, काका यांची पोरंसुद्धा कधीच शाळेत गेली नाहीत. या सर्वांचा खरा शत्रू गरिबी होती असं नव्हे; तर अज्ञान होतं, असंच मला वाटतं. कदाचित हेच आमच्या मायला आणि मोठमायला कळलं होतं आणि म्हणूनच गावातल्या शाळेतून नंतर मला ‘नवोदय’ या अक्कलकुव्याच्या शाळेत शिक्षकाच्या आग्रहाखातर पाठवले. माझ्या आयुष्यात सुदैवाने चांगली माणसे आली. बारावीनंतर इंजिनिअरिंगला प्रवेश घ्यायचा, असं मनात होतं. कारण गणितामध्ये चांगले मार्क मिळत होते. परंतु इंजिनिअर झालास तर केवळ तुझा आणि तुझ्या कुटुंबीयांचाच फायदा होईल; आणि डॉक्टर झालास तर संपूर्ण समाजाला त्याचा फायदा होईल. शिवाय डॉक्टर झाल्यानंतर प्रशासक झालास तर अधिक व्यापक प्रमाणात लोकसेवा करता येईल, हे माझ्या देवरे सरांनी समजावून सांगितले... जी. एस. मेडिकलसारख्या नावाजलेल्या कॉलेजमध्ये मला प्रवेश मिळाला.

सामोड्यातील नवोदयसारख्या ग्रामीण भागातील शाळेमध्ये कधी जातीवरून माझी क्षमता जोखली गेली नव्हती. मात्र मुंबईसारख्या आधुनिक विचारांच्या शहरामध्ये असा अनुभव आला. खरे तर मला त्यांची कीव वाटली होती. पण या गोष्टी उराशी कवटाळून, मला माझी प्रगती रोखायची नव्हती... सामोड्यातून ‘केईएम’मध्ये वैद्यकीय शिक्षण घेण्यासाठी आलेला एक आदिवासी मुलगा उत्तम गुणांनी डॉक्टर झाला होता. ज्या ‘केईएम’मध्ये सुरुवातीला तुच्छतेची वागणूक मिळाली होती, त्याच ‘के ईएम’मध्ये ‘बेस्ट स्टुडंट अवॉर्ड’ मिळवून मी स्वतःला सिद्ध केले. त्या वेळेच्या मुलाखतीदरम्यान केंद्रीय लोकसेवा आयोगाची परीक्षा देऊन समाजाची सेवा करणार असल्याचे मी सांगितले होते. पहिल्या प्रयत्नात माझी ‘इंडियन रेव्हिन्यू सर्व्हिस’साठी निवड झाली होती; परंतु ‘आयएसएस’ बनण्याचे ध्येय पक्के असल्याने मी पुन्हा एकदा प्रयत्न करून 2012मध्ये केंद्रीय लोकसेवा आयोगाची परीक्षा दिली आणि अखेर आयएसएस झालो... एक ध्येय गाठले...

आयुष्य एका नव्या वळणावर उभे असताना मला लहानपणी घडलेला प्रसंग आठवतोय... भिलाटीमध्ये आमच्या घरी घरखर्चाला हातभार लावण्यासाठी आम्ही आमचा दारू विकण्याचा पारंपरिक व्यवसाय करीत असू. गावातील लोक दारू पिण्यासाठी घरीच येत असत. ब-याच वेळेस आम्हा लहान मुलांना त्यांना चखणा वगैरे आणून द्यावे लागत असे.

माझी परीक्षा असली की साहजिकच मी ही कामं करायला तयार होत नसे, यावरून आमच्या एका गि-हाइकाने, तो-यात ‘जाय थोडं काम करीये, शिकसीन मोठा डाक्टर-कलेक्टर व्हनार शे’ असं हिणवून मला चखणा आणायला सांगितले. मी रडू लागलो, तेव्हा आईने त्या गि-हाइकाला सांगितले, ‘मना बी पो-या एक दिन डाक्टर-कलेक्टर हुई. तुम्ही चखणा आज दुस-या कडतीनं मांगाडा, आनी याले अभ्यास करू द्या! आणि आई चे स्वप्न साकार झाले...’

- निखिल पाटील  
(संकलन)

# POEMS

The epitome of poetry



## ***WALKING WOUNDED***

GAZING AT THE STARRY SKY  
MY NIGHT PASSED AWAY,  
HONESTLY THE MOST THOUGHTFUL NIGHT  
IS ALL THAT I COULD SAY.

FELT LIKE A MAZE RUNNER  
IN WALLS OF MY OWN NOTIONS,  
STUCK IN BETWEEN THE DILEMMA  
OF THOUGHTS AND EMOTIONS.

THINKING OF LIFE,  
I WAS STROLLING IN THE DARK  
SMILING WITH SELF  
IN A SECLUDED PARK.

ONE FACE WAS INNOCENT  
BUT THE OTHER ONE WAS EVIL,  
A CONFLICT HAD RISEN  
IN AN ANGEL AND A DEVIL.

NIETHER WEAPONS,  
NOT BLOODSHED.  
THE WAR WAS BETWEEN ME AND MYSELF,  
INTERNALLY I WAS WOUNDED AND DEAD..

~ Aditi Prabhu  
SE IT(B)

# कणा

ओळखलत का सर् मला पावसात आला कोणी  
कपडे होते कर्दमलेले, केसावरति पाणी.

क्षणभर बसला, नंतर हसला, बोलला वरती पाहुन  
गंगामाई पाहुणी आली गेली घरटयात राहुन.

माहेरवाशिण पोरीसारखी चार भित्तित नाचली  
मोकळ्या हाती जाईल कशी बायको माज वाचली.

भित्त खचली, चूल विझली होते नव्हते नेले  
प्रसाद म्हणुन पापण्यांमधे पाणी माज ठेवले.

कारभारणीला घेऊन संगे सर आता लढतो आहे  
पडकी भित्त बान्धतो आहे, चिखल गाळ काढतो आहे.

खिशाकडे हात जाताच हसत हसत उठला  
पैसे नकोत सर जरा एकटेपणा वाटला.

मोडून पडला संसार तरी मोडला नाही कणा  
पाठीवरती हात ठेउन फक्त लढ म्हणा !

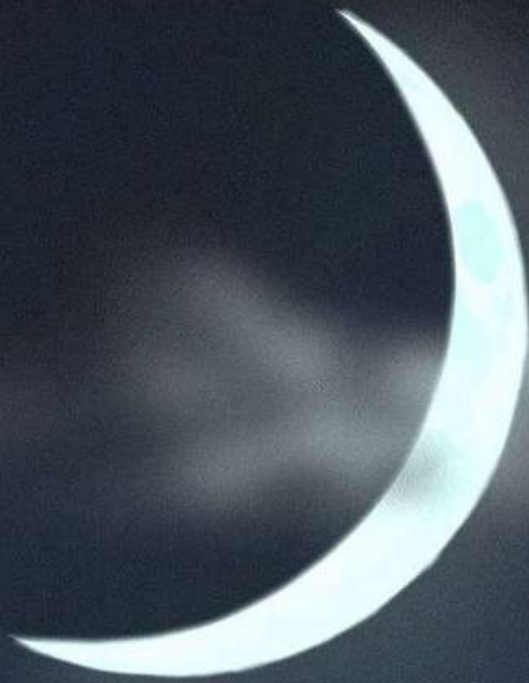
~ निखिल पाटील  
SE-IT-B

Don't need to look up in the sky  
When I can see the whole universe in her eyes  
take her to the MOON AND BACK

thousand roses can't match her beauty and it's a fact  
whenever I look at her I don't know how to react  
take her to the MOON AND BACK

I've never felt so much alive before how I keep on  
thinking about her twenty four take her to the moon  
and back

- VAIBHAV DARFADE  
SE IT (A)



### **I SHIP OUR TOGETHERNESS**

**It's because love is a very trivial emotion,  
Craving is a very frivolous sensation,  
And the sheer thought of you is a bliss.  
I ship our togetherness.**

**I wish I was good enough for you,  
I desire a universe where we sat holding hands,  
May be we could go stargazing someday,  
And ask you "The moon is beautiful, isn't it?"  
I ship our togetherness.**

**Never had I thought of a world without you,  
As the loss of you would be irreparable,  
Yet your pain gives me more dopamine,  
It's may be because you weren't destined to be mine,  
I shipped our togetherness.**

**- PARTH MORE  
SE IT (A)**

Everyone is born to find a firefly...  
Or else they are born with them...  
Oh Dear my FIREFLY!!  
Where are you? Where have you been?  
All the effort to hunt the sparkle lumos of my firefly...  
By following every light...  
There is!! There is my firefly, right?  
Damn!! The dull street light!!  
How could they say, 'Don't you sympathize those behind  
the darkness?'  
I ain't!! I is beneath them...  
Let me indulge in searching mine...  
In succeed I could share the lumos of mine...  
Have you seen my firefly?  
Or else is it die?  
Ignition starting to swallow my heart  
if I may not find my firefly...

**- Purva Mane  
SE IT (A)**



Ladies and gentlemen,  
it's Her

Lets go on a journey where losing is as Beautiful as winning.

Ladies and gentlemen,  
it's her

When she wraps around a blanket  
She mesmerises everyone—even the poets  
When she sleeps on her bed  
Forget about the living she even impresses the dead.

She does not escape her problem, rather she thrives  
If you get a chance to talk to her, just take a ride.

if you get the privilege to know her, take a dive  
Beauty is on the inside and that's her pride.

So, is she an angel? - she might  
but if you are lucky enough to see her- welcome to the sleepless night.

And if you manage to get her  
Your life would be a joyful cart  
As she is an art..  
You can get her you cannot keep her... many tried and now they were.

Loving her is not as difficult as  
Splitting the sea like mosses  
Rather, you could easily take care of her as soon as you start smelling the roses 🌹

**-Tejveer Singh**  
**SE IT (B)**



# Technology

THE WORLD RELIES ON WHAT  
I DESPISE,  
WE THRIVE ON ITS SOULLESS  
POWER,  
TO OUR DEMISE,  
AND WE HOPE TO THE SKIES,  
THE END OF ITS MIGHTY  
HOUR,  
TECHNOLOGY WILL FALL SO  
FAST,  
AND MOST OF US WON'T  
KNOW WHAT TO DO,  
AS WE CONTINUE THRIVING  
ON THE PAST

# ARTWORKS





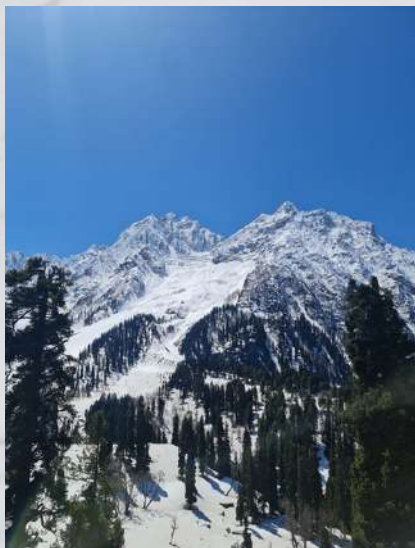
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# Expressing Emotions, Capturing Souls

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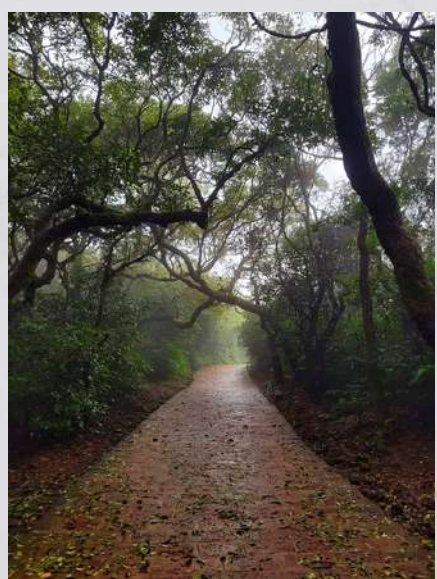


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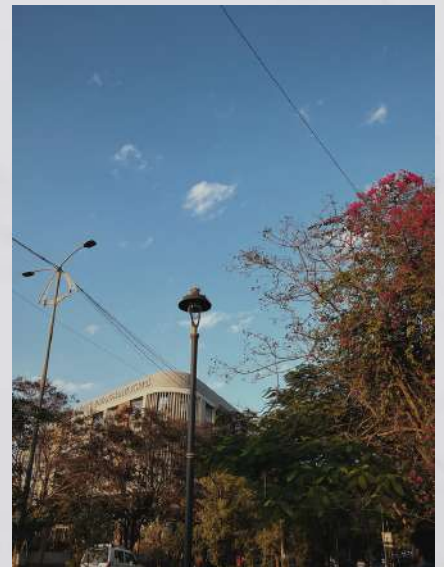


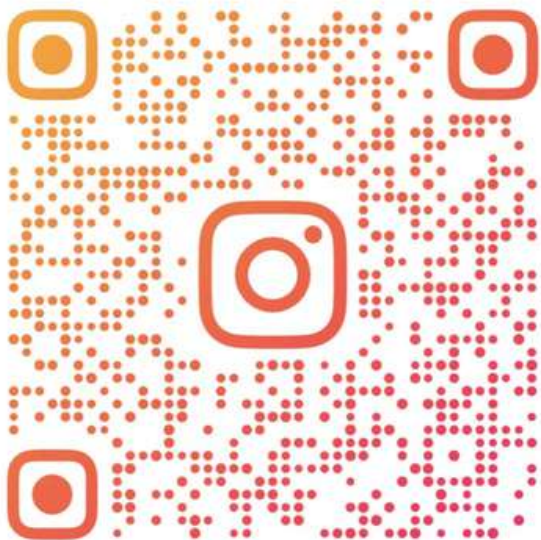
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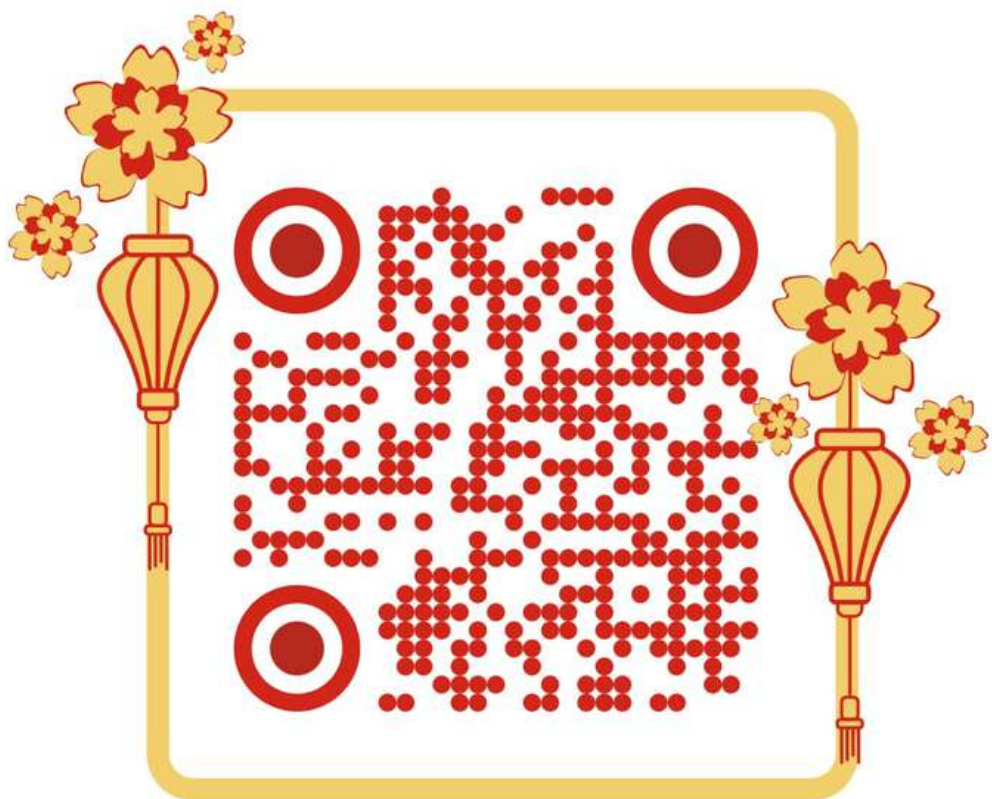




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“Embrace adversity as a mirror reflecting  
your capacity for courage.  
Let your reflection reveal a person  
strengthened by challenges.”

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