

Abacus Institute of Engineering & Management

A joint venture of JIS Group & Techno India Group



MACHINAGE

3rd Edition May 2025

Meghnad Saha
(1893–1956)

Satyajit Ray
(1921–1992)

Rabindranath Tagore
(1861–1941)

Kazi Nazrul Islam
(1899–1976)

Sir Jagadish Chandra Bose
(1858–1937)

BY ENGINEERS, FOR ENGINEERS

Chief Patron

**Sardar
Taranjit Singh
MD,JIS Group**



Patron

**Mr. Tapan Kumar Ghosh,
ED, Techno India Group**

**Sardar Simarpeet Singh,
Director, JIS Group**

Chairperson

**Dr. Jinia Datta,
Principal, AIEM**

Co-Chairperson

**Devmalya Banerjee,
Registrar, AIEM**

From the Editor

Putting together this magazine has been quite a journey.

This edition of Machinage 3.0 is more than just a collection of submissions. It's a mix of everything—articles, film reviews, poems, stories and thoughts straight from the hearts and minds of students.

Each page tells a story, shows a spark, or captures a moment that someone felt was worth sharing.

Some wrote with facts, some with emotion, and some just let their imagination fly. And honestly, that's what makes this magazine special—it's a little bit of all of us.

I sincerely thank all contributors, my editorial team, our faculty coordinators, and the college administration for their unwavering support.

I hope while flipping through these pages, you find something to connect with, something to smile at, and maybe even something that inspires you.

Happy Reading,

Devdeep Saha
Editor,
Student
[B.Tech,3rd Year]



"Main udna chahta hoon, daudna chahta hoon, girna bhi chahta hoon... bas, rukna nahi chahta."

— Yeh Jawaani Hai Deewani

Meet the Editorial Team



Debraj Modak
AP,ECE,AIEM



Sumit Kumar Banerjee
AP,CE,AIEM



Sohini Banerjee
HoD,CSE,AIEM



Titas Bhaumik
HoD,EE,AIEM



Bashudha Chowdhury
AP,BSHU,AIEM



Somnath Mitra
AP,ME,AIEM



Devdeep Saha
B.TECH(CSE),3rd YEAR

Cover Design

Contents

Machinage 3.0 2025

- i **From The Principal's Desk**
- i **From The Registrar's Desk**

Features

- 1-6 Teacher's Corner**
- 7-11 Poems**
- 12-13 Arpeggio 3.0
(Cultural Fest)**
- 14-19 Short Stories**
- 19-22 Movie Reviews**
- 23-26 Technical Articles**
- 27-28 Sports And Cultural Corner**
- 29 Travelogue**
- 30-32 Sketch and Photographs**

Disclaimer:

Machinage Magazine has taken utmost care to make sure that all contents are accurate, as on the date of publication. The views expressed in the articles reflect the author(s) opinions and do not necessarily are the views of the publisher and editor. The published material, adverts, editorials and all other content is published in a good faith. **Machinage Magazine does not intend to hurt the sentiments of any individual, community, sect or religion, although it cannot guarantee and accepts no liability for any such effect caused by views expressed in any article(s) and errors and for the accuracy of claims made by the advertisers.**

All rights reserved and nothing can be partially or in whole be reprinted

TEACHER'S CORNER

MACHINAGE 3.0

Revolutionizing Cancer Therapy

Suvendu Kar

The Japan Advanced Institute of Science and Technology (JAIST) has created a revolutionary scientific breakthrough for oncology which is transforming cancer treatment in the modern world. Researchers designed a new nanotechnology-based treatment platform which unifies chemotherapy with photothermal therapy along with immunotherapy to deliver a concentrated targeted system. The innovation derives its power from carbon nanohorns (CNHs) which represent engineered nanoparticles that deliver medication to tumours while ensuring optimal accuracy and delivery speed.

What are Carbon Nanohorns?
The carbon nanohorn nanomaterial shows characteristics of horn-shaped morphology together with high surface area capabilities as well as marked biocompatibility properties. Such properties render them excellent candidates to transport pharmaceutical compositions.

The new system utilizes cancer cell-derived membranes to coat CNHs which makes them recognize as "self" tissue thereby enabling tumor detection while avoiding immune system detection.

Multi-Modal Treatment in One Platform:

Amazingly this system stands out because it implements various treatment modalities simultaneously. Paclitaxel chemotherapy medication serves as a loaded drug component of CNHs. Near-infrared light stimulation enables CNHs to produce heat that leads to cancer cell destruction during photothermal therapy. This tumor cell membrane coating simultaneously initiates immune activation which enables the body to detect remaining cancer cells for prevention of cancer recurrence. A single nano-platform that contains all three therapeutic modes provides cancer treatment with a full spectrum of destruction. Through tissue-specific targeting mechanisms the treatment method reduces usual chemotherapy side effects and limits drug distribution throughout the body system.

Conclusion:

The development of carbon nanohorn-based nanomedicine marks a significant advancement in cancer therapy by integrating chemotherapy, photothermal therapy, and immunotherapy into a single, targeted platform. With promising experimental results and personalized treatment potential, this innovative approach paves the way for safer, more effective, and patient-specific cancer treatments in the near future.

Electric Rickshaws and India's Urban Transport System

Sourav Das

Electric rickshaws are quickly reshaping India's urban mobility landscape, not only offering green last-mile rides but also touching on social and environmental issues. As of 2022, India had approximately 2.4 million battery-powered three-wheeled rickshaws, constituting about 85% of all electric vehicles on Indian roads, projected to reach 4 million by 2030.

How It All Started and Where Things Stand Today

The e-rickshaw was developed in the 1990s at the Nimbkar Agricultural Research Institute (NARI) in Phaltan, Maharashtra. Currently, Uttar Pradesh leads with approximately 4.53 lakh (453,000) e-rickshaws, followed by Delhi with 1.41 lakh (141,000) units. This surge has far exceeded other electric vehicle segments, with India hosting 1.5 million e-rickshaws compared to just 400,000 electric cars and two-wheelers combined.

Eco-Friendly Advantages

E-rickshaws have significantly contributed to reducing carbon emissions from the transport sector, which accounts for over 13% of India's overall emissions. E-rickshaws contribute to reduced dependency on private vehicles and promote a lower overall carbon footprint by providing an electric alternative to conventional auto-rickshaws and complementing mass transit systems.

Impact on Society and Jobs

The shift from pedal to electric rickshaws has improved operators' earnings and social standing by enhancing income opportunities. Despite higher upfront costs, e-rickshaws offer long-term economic benefits through reduced fuel and maintenance expenses.

Challenges

Technical and Safety Concerns

Most e-rickshaws operate with motors between 800W and 1.2kW capacity, adhering to the government-mandated 2kW limit. However, the prevalent use of 48V motors has created a mismatch between theoretical load capacity and real-world usage patterns, where overloading is common practice. This discrepancy significantly reduces vehicle lifespan, typically to less than two years.

Manufacturing and Quality Issues

The e-rickshaw manufacturing sector often favors cost-cutting over quality, leading to widespread use of substandard components. Informal assembly practices frequently bypass safety norms related to charging systems, power units, and battery standards. The continued reliance on lead-acid batteries, instead of more durable lithium-ion options, further undermines performance and longevity.

Regulatory Gaps

Vehicles operating below 25 kilometers per hour are exempt from standard regulatory requirements, creating a safety oversight. The sector largely remains unregulated, with insufficient standardization regarding quality, safety, performance metrics, and charging practices.



Art by Reshma Chandra

Understanding the Science Behind the Flame: Fire as a Low -Grade Plasma

Dr. Soumyendu Bhattacharjee

When most people think of fire, they imagine dancing flames, heat, and combustion. But scientifically, fire is far more complex and fascinating. One of the lesser-known but intriguing descriptions of fire is that it can be considered a low-grade plasma. But what does this mean, and why is fire not quite the same as the plasma you find in stars or neon signs? Let's dive into the science behind it. Plasma is often called the fourth state of matter, alongside solids, liquids, and gases. It consists of a hot, ionized gas containing approximately equal numbers of positive ions and free electrons. Unlike the neutral gas phase, plasma is electrically conductive, responds to magnetic fields, and emits light. Plasma occurs naturally in stars, lightning, and the aurora borealis, and it's also used in technologies like plasma TVs, neon lights, and fusion experiments.

How is Fire Similar to Plasma?

Fire is the visible effect of the process of combustion—a chemical reaction between a fuel and an oxidant, usually oxygen, that produces heat and light. At high enough temperatures, this reaction doesn't just release light from hot gases—it can also ionize some of the atoms and molecules in the flame. This ionization means that fire does, to some extent, contain free electrons and ions, just like plasma. This makes it electrically conductive and responsive to electric and magnetic fields under the right conditions. That's why fire can be manipulated with high-voltage electric fields in lab settings. Because fire shares these properties, scientists sometimes refer to it as a low-temperature or low-grade plasma.

Why Is Fire Considered "Low-Grade"?

Compared to more energetic plasmas, such as those in the sun or in laboratory fusion experiments, the degree of ionization in fire is relatively low. That means only a small fraction of the gas molecules in a flame are actually ionized. In high-grade plasmas, nearly all particles are ionized and exist in a much higher energy state. Also, in most ordinary fires (like a candle flame or a campfire), the temperatures are too low to sustain full plasma characteristics. These flames operate between 600°C and 1,400°C, which is enough to partially ionize gases, but not enough to achieve the conditions found in fully developed plasmas like those in arc welding or lightning bolts.



Fire Conducts Electricity

Because of this partial ionization, fire can actually conduct electricity and even be manipulated by electric and magnetic fields in controlled environments. Scientists have demonstrated that flames can bend and change shape under high-voltage conditions—further blurring the line between fire and plasma. However, researchers are quick to note that the flames we encounter daily—like those in stoves, candles, or campfires—don't reach the ionization levels seen in high-energy plasma used in labs or found in nature. "The difference is scale and intensity," explains Dr. Morgan. "Plasma in lightning or a star is millions of degrees hot and almost fully ionized. A candle flame is maybe 1,000 degrees Celsius and only lightly ionized."

আমি ধৰ্মতা নারী

Shankha Goswami

অজগ্র শুনের চোখ যেন গিলছে আমায়।
দৃষ্টিস্তর চলেছি হেঁটে, ফাঁকা রাস্তায় আমি
একাই।

পরাধীনভাব মাঝে অল্প একটু স্বাধীন
হওয়ার আসায়।

আধিথওয়া শরীর আমার আজ, পরে
আছে রক্তে মাথাখো সাদা চাদরে ঢাকা।।

আস্তাকুণ্ডের খাবারের চেয়েও সস্তা দেহ
আমার,
পেট ভরে চেটেপুটে খাচ্ছে কিছু কুকুরের
দল।

ডাল ভাত আজ খিদে মেটাতে বাথ
তাদের,
তাই খুঁজে চলেছে আমার মত জিপ্পাণ
শরীর অবিকল।।

বাবা মায়ের স্নেহ আদরে যঙ্গে গড়া
জীবন।
দাঁড়িয়েছে এসে এখন সময়ের শেষ
কিন্নারায়।।

বীরব দেহ আমার লুটিয়ে আছে ফুটপাথের
একধার।।

হজার ডাকলও দেবোনা সারা আর
কথনও তোমাদের ইশারায়।।

লোক দেখানো এসব মিংইঁ মিহিল,
অকারণে করছ তোমরা মিথ্যা হাহাকার,
নেংরা রাজলীলি আর টাকার জোরে,
অপরাধীরা পাবে মুক্তি বারবার।।

চাই না মোমবাতি, চাই না যে সান্ত্বনা,
চাই শুধু হেক ন্যায়বিচার।।
অমানুষের দল ওলো আজ অলুক
প্রতিবাদের আঙ্গনে।।
মেয়েরা আশার আলো দেখুক আবার,
সমাজে মাথা উঁচু করে বাচার।।

Discovering Tinchuley: North Bengal's Hidden Himalayan Gem

Sourav Das

Tucked away in Darjeeling's scenic hills is Tinchuley, a village whose name translates to "three ovens" – a nod to the three hillocks resembling traditional clay stoves that frame its horizon. This secluded hamlet, perched at 5,800 feet, remains overshadowed by its famous neighbor Darjeeling but provides a genuine Himalayan escape, away from the typical tourist rush.

The Journey In

It takes about three hours by car to get to Tinchuley from New Jalpaiguri railway station through winding roads flanked by emerald tea estates. The final ascent reveals sweeping views of the Teesta valley, with Kanchenjunga's snow-capped peaks. In Tinchuley, the air carries the citrusy fragrance of ripe oranges from terraced orchards – a hallmark of the village's agricultural landscape



What makes Tinchuley special is how nature and tradition intertwine:

Tinchuley Viewpoint: The village's crown jewel offers 180-degree vistas of the Himalayas, particularly stunning during sunrise when the mountain range glows amber

Peaceful Monastic Life: The Tinchuley Monastery, home to red-robed monks, echoes with the gentle rhythm of morning prayers and provides insight into Tibetan Buddhist traditions.

Farming and Tourism Blend: Many homestays integrate visitors into daily farm life – You may spend mornings plucking tea leaves alongside local women and evenings learning to cook traditional thukpa soup.

The village serves as a base for moderate treks to Takdah's colonial-era bungalows and the nearby Peshok Tea Estate, where century-old machinery still processes Darjeeling's "champagne of teas". As night falls, Tinchuley transforms into an astronomer's paradise. Far from light pollution, the Milky Way arcs vividly across the sky. On such a night, a long camera exposure revealed swirling star trails swirling above the Tinchuley Monastery – an ethereal juxtaposition of cosmic and earthly spirituality

Conservation and Challenges

While tourism brings economic benefits, locals face the ongoing challenge of preserving the environment. The village council enforces strict waste management policies, and homestays use solar heaters to minimize environmental impact. However, modern comforts risk eroding the village's traditional character.

Practical Information

Best Visits: March-May (spring blooms) or September-November (post-monsoon clarity)

Unique Experience: Participate in the annual Orange Festival every December, celebrating the village's citrus harvest

Untold Story of Cosmic Rays

Dr. Joydeb Biswas

Cosmic rays are generally high-energy particles that originate from space and travel through the universe at nearly equal to the speed of light. These rays were first discovered in the early 20th century and have intrigued scientists for over a hundred years on account of their mysterious origins and immense energy.

The majority of cosmic rays are nearly 90% of protons, while the rest part consists of heavier atomic nuclei and a small portion of electrons as well as positrons. Cosmic rays are generally categorized into three divisions: (i) galactic cosmic rays which come from within our Milky Way galaxy, often from explosive events like supernovae, (ii)solar cosmic rays which are emitted by the Sun

during solar flares and the last (iii) extraterrestrial cosmic rays which likely originate from far-off galaxies, black holes, or some sources, we are yet to understand.

When the cosmic rays reach the Earth's atmosphere, they interact with air molecules and originate showers of secondary particles such as muons, pions, and neutrinos.

Some of these secondary particles can penetrate several meters into the Earth's surface and are even detected by underground observatories. By investigating these particle showers, scientists are able to gather clues about the nature and origins of cosmic rays.

In spite of discovering the presence of these rays over a century ago by physicist Victor Hess, cosmic rays

still remain a major scientific mystery. Their exact sources or origins, especially those of ultra-high-energy cosmic rays are still unknown. Several scientists assume that these rays may be accelerated by some kinds of powerful cosmic phenomena such as supernova shock waves or jets from active galactic nuclei.

In conclusion, cosmic rays are more than high-speed energetic particles. They are silent messengers from some of the most energetic and distant events in the universe. Though we have learned much about them, many questions remain, making cosmic ray research one of the most exciting and significant areas in modern astrophysics.

If for a fleeting moment!

Bashudha Chowdhury

There was fire on the counter,
Confused, I stared. Scorching heat, rain
pattering on the windowsill. Was it
soothing?
Probably, I was triumphing over the lows,
achieving. But what?
I ask myself; I drift apart, I try to doze off
A strong refusal to slip into a numbing
slumber
Confused, I stare at the ceiling, I miss home.
It's December again, I found love in the
barren cold.
With a year or two in between, I changed.
If for a fleeting moment, you were mine... If
for a fleeting moment, I could live the four

seasons with you!
If for a fleeting moment, you could call me
your moon
With all the flaws, we would still shine bright
through the roughest days,
coldest nights, and the calmest storms.
A song...I can't remember! Recollected,
'Yesterday' reverberated off my walls.

The Graphene Revolution Changing Cancer Surgery

Suvendu Kar

In the high-stakes world of brain surgery, every millimeter counts. Several inaccurate surgical movements could lead to a patient permanently losing their speech and memory as well as their life. Through innovative work at the University of Manchester doctors can now develop new methods for brain tumor surgery. The secret weapon? Medical advances brought graphene to life in its thinnest possible form which exceeds steel strength by 200 times and exceeds copper electric conductivity.

A New Eye for Surgeons:

A size of the postage-stamp revolutionary implant functions to detect brain boundaries visible only to this device beyond human perception and imaging instruments. Surgeons traditionally depended on prior scan results together with subjective assessments to remove tumors by cutting out small leftover malignant cells while also taking unnecessary tissue home. The graphene implant introduces a new method by monitoring live brain electrical activities to identify malignant tissues from healthy brain cells with extraordinary precision. Imagine trying to defuse a bomb in the dark—this chip flips on the lights.

Human Trials Begins:

Initial human testing of this technology initiative is now active in UK facilities. Glioblastoma patients benefit greatly from early feedback about this technology

because this aggressive brain cancer has proven fatal for numerous patients. The implant stands to revolutionize medical treatment of deep brain tumors that affect vital language and movement areas. The chip enables surgeons to perform precise tumor removals that protect vital human elements inside the brain.

Why Graphene?

Graphene's role is vital. Its constitution as an atomically thin sheet allows this material to be transparent with a high degree of flexibility as well as compatibility with biological systems which enables it to sit easily on brain surfaces. The graphene array operates differently from typical electrodes because it heats tissue nor causes tissue irritation. The device operates passively by decoding the electrical communications both from cancer and healthy cell populations.

Through its exceptional sensitivity to detect brain activity it might develop applications that extend cancer management capabilities into epilepsy, Parkinson's and stroke treatment.

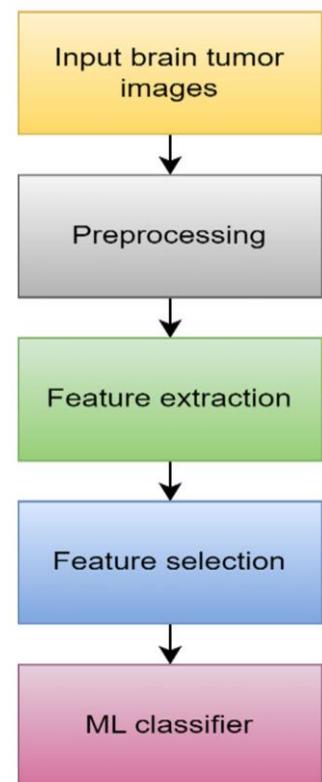
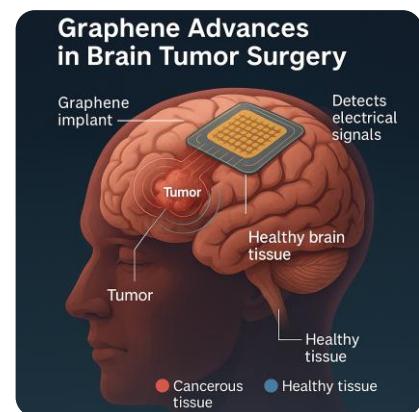
More Than a Scalpel:

Operating technology represents just the initial utility of this technology. The evolving graphene implant simultaneously gathers information about tumors during their growth inside the brain becoming a valuable tool for future cancer and nervous system examination. Open-loop measurement systems will eventually become possible through this innovation because these implants will accomplish both diagnosis and real-time neurological response capabilities.

A Future Within Reach:

The trial stage of this graphene innovation makes it stand as a

crucial advancement toward customized neurosurgical procedures. The scientific combination of materials science with medicine represents a momentous advancement which functions as if written by science fiction writers. This medical breakthrough provides patients diagnosed with their worst possible condition the essential gift of hope above all technological advancements.



POEMS

MACHINAGE 3.0



Sumit Kumar Ghosh
CE Diploma 2nd Year

সময়ের সুরমঞ্চ

~অর্পণ রাষ্ট্রিত
B-TECH (CSE), 2nd year

টিক-টিক—বংকারে, ডেউ ওর্ঠে শিরায়,
নীরবতা বাজে কি? প্রষ্টাঁ জিরায়।
ঘৰ্ণির মত মোৱে দিন, ছায়া আৰ আলো,
স্পন্দনেৰ রঙ মেখে স্বপ্ন গুলো চালো।

বাম—বাম—বৃষ্টি নামে হদয়েৰ বীগায়,
কথনেই তো থামে না, সূৰ এই শীনায়।
চুপিচুপি ভালবাসা বাজে তাৰ সুৰে,
তেজো চোখে হাসি ঝৰে, ভালো লাগা
দুৰে।

ধপ—ধপ—পদধনি, কে আসে কে যায়,
চেনা—অচেনা মুঝগুলো সুৰ হয়ে রয়।
তালেৰ ভাঁজে হারায় সুখ, দুঃখেৰ বংকার,
সময়েৰ এই মঞ্চেতে আমৰাই উপহার।

থামবে না এই ছন্দ, থামবে না সুৰ,
প্রতিটা নিশাসে বাজে এক নতুন নূৰ।
এই মঞ্চে দাঁড়িয়ে শিখি জীবনভায়,
সময়েৰ সুরমঞ্চে মিশে যাক সব কাব্য।



Rupam das
B-TECH (ME), 2nd year

আমি একটি মেয়ে

~সৌরীশ বিশ্বাস
B-TECH (CSE), 2nd year

আমি একটি মেয়ে,
জয় নেবাৰ পৱ সবাই আকসোস কৱে
বলে,
এত প্ৰাৰ্থনা কৱেও কেনো হলো না একটা
ছেলে?
আমি একটি মেয়ে,
পড়াৰ সাথে সাথে আমায় শিখতে হয়
বাঁড়িৰ কাজ,
শুনৰ বাড়ি গিয়ে যাতে রাখতে পাৰি
সবাৰ লাজ।

আমি একটি মেয়ে,
ছেট খেকেই আমাৰ পা যেনো শিকল
দিয়ে জড়ানো,
সব কিছুতে আমাৰ বাধা, একলা যায় না
বাইৱে বেৱোনো।
আমি একটি মেয়ে,
মাৰো মাৰো সবাৰ কাছে মনে হয় নিজেকে
বোৱা,
পন না দিয়ে এখনো বিয়ে হওয়াটা নয়
মে সোজা।

আমি একটি মেয়ে,
কথনো বোল, কথনো প্ৰেমিকা, কথনো
আৰাৰ মা,
দৃগী কপে পূজিত হলেও সমাজে যোগ
সম্মান পাই না।

The Cost of Lies

Dibakar Das

B-TECH (CSE), 3rd year

They promised love they made it
shine,
Yet marriage turned to court and
it's fine.
She earns her share, yet takes his
pay,
He begs for help, they turn away.
No job, no strength, he tries to
cope,
Yet law denies a ray of hope.
A crippled man, yet forced to
give,
While she moves on and starts to
live.
She files a case, her words are
gold,
His side's unheard, his fate is sold.
She takes her life, he takes the
fall,
No proof is checked, no plea at
all.
A woman cries, the handcuffs
click,
For men are blamed, it happens
quick.
But when he dies, the world stays
mute,
No case is filed, no foul dispute.
Atul screamed, but none would
hear,
His life was lost, yet laws stood
clear.
Justice sleeps, its eyes stay closed,
Yet men still hang for crimes
unposed.
Alimony, a cunning snare,
That rips his soul yet seems so
fair.
She walks away, her pockets
filled,
While he is drained, his fate is
sealed.
The rules are blind, the scales are
bent,
His crime was love, his pain was
rent.
The cost of love? The price of lies.
Another man, another dies.



Ritom Polley
B-TECH (EE), 2nd year



Surojit Mondal
B-TECH (CSE), 4th year

The Struggle of Engineering Students

Sugnik Roy
B-TECH (CSE), 1st year

We, Engineering students work so hard,
With books and papers all over the yard.
We study all day and night,
Trying to make everything right.

We solve big problems with lots of math,
It's a fact that we're on a tough path.
Wires and circuits, lots of numericals and code,
Its a long and winding road.

We draw big plans and build things too,
But sometimes our ideas just won't come through.
Mistakes happen, but we don't give up,
We keep going, always filling our cups.

Late at night, with red tired eyes,
We try and try, reaching for the skies.
But no matter how tough it seems to be,
We know we're working to set us free.
So, even when its hard and rough,
We never quit ;we stay so tough.
One day our hard work will show,
And we will see the wonders we help grow.

The Cherry

Swastika Mondal
B-TECH (CSE), 2nd year

A little -green ,sapling ,is lifted .
Youth after childhood at the end .

The tree bears flowers in spring
Only five flowers after the storming .
Next day ,its nurtured by gardener
Three flowers are plucked with two fingers.

Knowledge, essential for everyone
Everlasting Beauty, the Creation .
Lack of awareness, one is lost
The other two are carefully brought.

The artist, decorated with the one
One is dedicated with his hand .
When, light and darkness, is blushed
Splendid devoted flowers are then faded.

Day travels by gradually and slowly
Two flowers still then enhance beauty.
A seed is destroyed in propagation
Remains still their the other one.

When the flower turns in to a fruit.
The trees is blessed with its root.
So ,Dear Cherry ,”what you’re?”.
“Fully ”or “empty” : The answer.

She, a Verse

Akshat Kumar Prashad
B-TECH (CSE), 2nd year

She truly cherished the art of poetry,
Yet within her essence, she was a verse—
A tapestry woven with beauty and depth,
Surrounded by enigmas that whispered and danced.
The playful wind would twirl her hair,
Each straggling strand, a vibrant brushstroke,
Transforming her shadows—her deepest fears—
Into the living canvas of emotions unbound.
A hopeless romantic, she yearned to be adored,
To find solace in the warmth of steady affection.
But the lights of her dreams, once bright with promise,
Flickered, faded—ebbed like a tide long past.
In her gaze, I discovered constellations,

Yet behind those shimmering orbs lay a heart once shattered—
A heart that stitched its wounds with threads of time,
Where delicate scars allowed beauty to bloom.
When she smiled, blossoms opened their petals wide,
And storm clouds echoed with thunderous applause.
Perhaps the moon, in its brilliance, felt eclipsed—
For I seldom glimpsed it on nights she graced the sky.
Her essence carried the scent of rose gardens,
An enchanting realm she never chose to unveil.
Her kindness wrapped itself around the world,
And cruelty knew not her name.
What a rare soul!
A light the world had never seen—
Nor I, ever before encountered.

Soldier’s Soul Never Dies

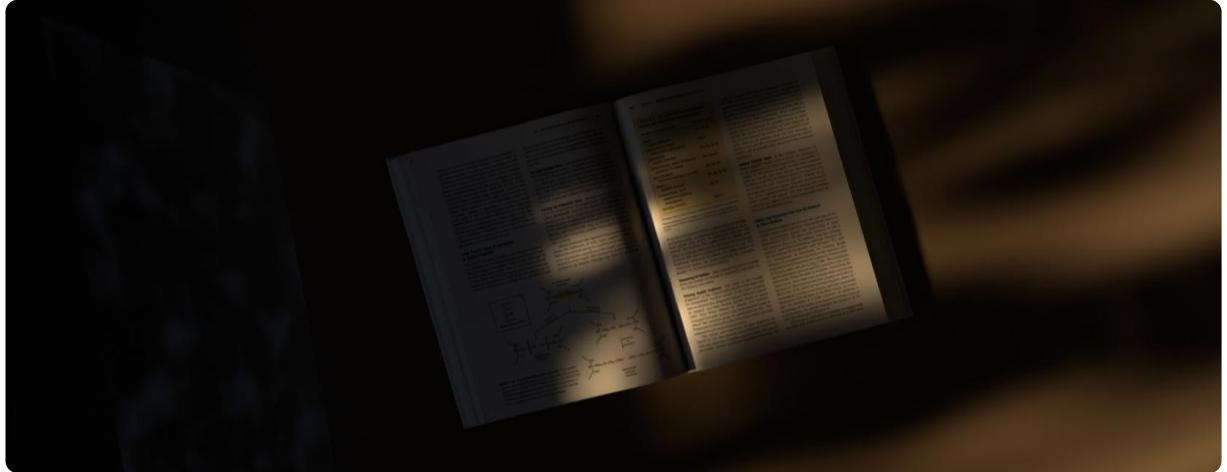
Sachin Kumar
B-TECH (ME), 2nd year

If I fall while standing tall,
Don’t be sad, I gave my all.
Wrap my flag around me tight,
I fought with love, I did what’s right.

Tell my mother, “Please don’t cry,
Your son was brave, he touched the sky.”
Tell my father, “ Be proud of me,
I kept my promise to keep us free.”

Tell my sister “ Stay strong and bright,
I will watch over you every night.”
Tell my brother, “ Walk my way,
Be kind, be brave, don’t go astray.”

And to my love, don’t feel alone,
My heart is yours, though I am gone,
A soldier’s soul will never die,
I live in stars up in the sky.



Devdeep Saha
B-TECH (CSE), 3rd year

In Search of You, I Found Me

Akshat Kumar Prashad
B-TECH (CSE), 2nd year

I ventured deep into the woods,
In search of you—a quest of heart.
Yet in the chase, I lost my way,
My essence scattered, torn apart.
The forest stood as my silent witness,
Where peace and shadow intertwine.
A soul laid bare, with nothing to defend—
No trace of you, no self to find.
I wandered, transient beneath the oaks,
Roots curled like chains around my feet,
Branches gripped, imprisoned my wrists—
In this still realm, surrender felt bittersweet.
Perhaps this solitude felt familiar,
An echo of your cold disregard.

But then the branches loosened their grasp,
And roots released the guard around my heart.
Stuck within this ancient grove,
I found a bond with whispering trees.
In silence, I was gently held,
In solitude, I found my peace.
I felt a flicker—the warmth of existence,
An awakening that long had slept.
Like a caged bird, wings spread wide,
At last, I soared—my soul had wept... and left.
I sought you through the wildest trails,
But you had slipped through time's design.
And in your absence, I uncovered the truth—
That in losing you... I finally found me.

Unseen Facts about Fathers

Sugnik Roy
B-TECH (CSE), 1st year



SOUNAK BETAL
B-TECH (EE), 1st year

1. A father is a silent and the strongest pillar in our family.
2. He hides his own tears because he doesn't want his children to worry about him.
3. He becomes a shield to our family and sacrifices everything to protect our family.
4. He sacrifices his own happiness and passion by working hard to make his family happy.
5. He is also a teacher by not only teaching school lessons but also life lessons.
6. When a father feels sad and depressed, he doesn't show his pain to everyone, instead he smiles.
7. He is blamed for being absent, even when he's always there just in the background, holding everything together.
8. He doesn't want prizes and medals. He wants happiness and support from his family.
9. Fathers are known for his determination, strength, hardwork, protection, discipline and for his silent caring nature.
10. We often understand his love too late when his chair is empty, and we wish for one more story, one more laugh, one more ride on his shoulders.

A Childhood Memory

Kabir Hossain Mollick

DIPLOMA (ME), 2nd year

In dusty streets where laughter grew,
Where every stone a secret knew,
We chased the sun on bikes too small,
And carved our names on every wall.
The ice cream man, a summer king,
His jingle made our young hearts sing.
Barefoot races, scraped-up knees,
And whispered dreams beneath the trees.
The scent of rain on playground dirt,
The magic of a homemade shirt.
We played until the sky turned red,
Then hurried home when momma said.
A cardboard box, a pirate's ship,
A bottle cap, our battleship.
Each day a tale, each night a song,
The world was ours, we all belonged.
No clocks to chase, no screens to stare,
Just open skies and wind-swept hair.
In every laugh, a spark, a flame—
The world before it knew our name.
Now grown, I walk those streets once more,
Their silence deeper than before.
But in my mind, the echoes play,
Of childhood's dance, so far, yet stays.
A name once called in games and cheer,
Still rings in memory, sharp and clear.
And though those days have slipped from view,
They breathe again when I think of you.



Koushik pal
B.TECH (EE),
3rd year



Ritam Mondal

B-TECH (CE), 2nd year

Student's Life

SK SAHILUDDIN

DIPLOMA (ME), 2nd year

The life of student is very good
They should not be rude
Many people have not understood
They should eat light food.
Student should have high thinking
They can do anything
Student should not have over confidence
Every work needs confidence.
Student's life is simple and pure
So, their future might be secure
Student should be kind and helpful
By all the people they should be blissful.
Student should respect of time
Then they would be fine
Student should be honest
In all the policy it's the best.

She wore a yellow frock with stars
and uneven ponytails—
every Monday.

I waited for Mondays.
She sat beside me,
talked enough for both of us.
Once, I forgot my crayons.
She pushed hers toward me—no words,

just blue.

"That's my favorite," she said.
She shared her lunch,
made me pink bracelets,
called me Blue Boy.
I called her Star Girl.
One day, she stopped coming.
We moved to first grade.
I never saw her again.
Now, I pass little kids each morning.
Sometimes, I hear—

"Here, use my crayons."
And I smile.
Some kindnesses don't stay—
but they never truly leave.

The Shape of Love

Goutam Acharya Ch.

DIPLOMA (ME), 2nd year

A boy once asked the drifting sky,
"What is love, and where does it lie?"
Is it loud, or soft and still?
A sudden spark, or steady will?
He watched two birds share just one crumb,
Felt his chest grow faintly numb.
A dog that waited, eyes so wide,
A girl who braided at her mother's side.
He asked the wind, he asked the bees,
He whispered softly to the trees—
"Is love a glance, or full romance?
A fleeting thing, or steady chance?"
The stream replied in rippling flow,

"It's felt before you even know."

No answer came, no perfect phrase,
Just golden light from end of day.
He held the question, let it be—
And walked toward love,
eventually.



Arpan
Mondal
B.TECH (ECE),
1st year

Nature

Ankit Das

DIPLOMA (EE), 1st year

Look above at the sky,
See how the birds fly,
Look around at the tree
Feel how they sway with the breeze.

Look down at the sea,
Watch how it flows in glee,
Look above upon the hills
Find how the earth feels.

Now look at man,
Think after wealth, how they run.
Take a look around the nature,
Feel how they craze for love to feel greater.

Look high at zenith,
Feel the love God spread beneath.

Summer Days

Pritam Porel

DIPLOMA (EE), 1st year

Summer is sultry hot days,
and sudden evening showers
When the night air is
sweetened,
With the fragrance of jasmine flowers.

Summer's the time to catch up
with old friends,
and all the new movies in town.

All thanks to the long summer break, You're free to break out of school bounds

How can you still think, that summer's a real drag.

Whispers of the Earth

Sajidur Rahaman

DIPLOMA (EE), 2nd year

The morning mist, a silver veil.
Unfolds the hills in calm detail.
A robin sings on branches bare.
Its song a thread that mends the air.

The brook that buzz a quiet tune
Reflects the light of early moon.
Each leaf that twirls upon the breeze
Is nature's sigh, a soul at ease.

The sky wears robes of gold and blue
While flowers bathe in drops of dew.
No painted canvas, no fine art.
Can hold the earth's unspoken heart.

A silence speaks in fields and trees.
A peace found only here, with ease.
In every stone, in every sky
The world breathes softly, passing by.

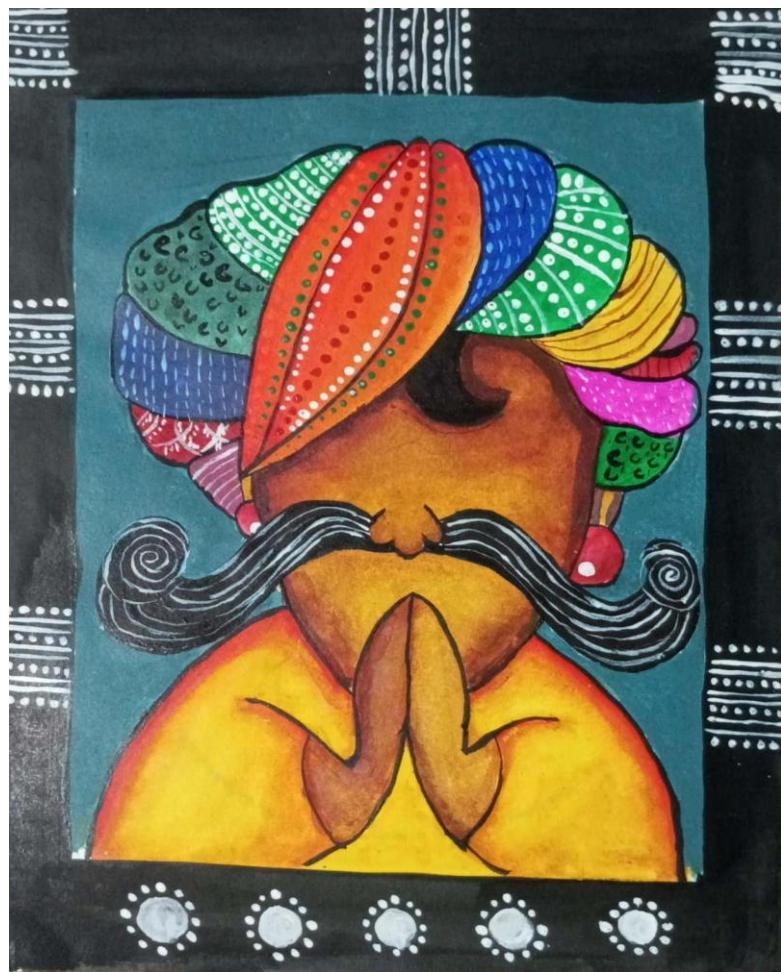
The woods are deep, their secrets old.
In whispered winds and branches bold.
The moss clings tight to shaded bark.
A velvet hush when days grow dark.

The petals fall, but not in haste
Each drop of time is sweetly placed.
The soil holds roots of ancient grace
A quiet past we can't replace.

A butterfly drifts through the glade,
Its wings like light the dawn has made.
It knows no rush, no ticking clock..
Just dances there on garden rock.

I walk this path and barely speak
Each sound I make feels loud, unique.
For here, the world asks not for more
It opens wide a silent door.

And as I leave, I take with me
The voice of sky, of leaf, of tree.
A memory born not loud, but still
A whispered world, a softened will.



Swaha Roy
B.TECH (CSE) 3rd Year

ARPEGGIO 3.0

CULTURAL FEST 2025





SHORT STORIES

MACHINAGE 3.0

Ki & Ka

Prathamesh .U. Nair

B-TECH (CSE), 2nd year

Karan felt the pull of destiny the moment he saw Kritika at their fresher's party. Her confidence, the way she carried herself, and her natural beauty captivated him instantly. It was love at first sight. But Karan's heart was shackled. She was in a long-term relationship, and despite its flaws, she remained loyal. So, he buried his emotions, contenting himself with fleeting conversations and stolen glances over the years. Life, however, reshuffled the deck. After two years, Kritika ended her toxic relationship, and Karan saw a chance he couldn't ignore. Determined not to let fate slip again, he began to truly be there for her. Together, they worked on choreography and drama for the college fest,

their shared creativity deepening their bond. Karan also became her strength, understanding her struggles and standing by her side. In him, Kritika found quiet but unwavering support. One evening, at the nearby park under the dusky skies, Karan finally confessed. He spoke of the first day he saw her, how his heart whispered her name, and how he cherished every moment with her now. Kritika's eyes glistened. "You know," she said softly, "I've had a crush on you too. Since the beginning." Their laughter filled the air, tinged with joy and disbelief. For Karan and Kritika, it wasn't just love—it was finding each other at the perfect time, after years of unspoken feelings.



Manidipa Samanta
B.TECH (ECE)
2nd Year

The Locked Room Promita Chakraborty B-TECH (CSE), 4th year

I had just returned to my room after lunch when I suddenly heard a faint yet distinct sound. I immediately wanted to follow the sound, but it felt like someone grabbed my hand and held me back. It's been years since I last visited my grandmother's house. As a child, I used to come here almost every year, but after my grandfather passed away, our visits became rare. Now, grandma lives alone in the house. She stays quiet and seems a little fearful, though no one really knows why. I arrived this morning to spend my summer vacation here. After chatting with grandma for a while and having lunch, I came to my room—and then that incident happened. I turned around and saw that it was grandma who had grabbed my hand. Quite sternly, she

said, "Go to your room. Even if you hear any noise, don't go out." She said this and walked away. I kept thinking—how did she know I had heard something? I hadn't mentioned it to her. It felt like she was hiding something from me. I spent the entire afternoon thinking about that sound. It felt very familiar. My grandfather had a favourite room where he used to spend most of his time. After he passed away, that room had remained mostly shut. The sound had come from that very direction. The last time I had visited, I remember hearing the same sound, but I was very young back then and didn't think much of it. I had even forgotten about it—until now. Hearing that sound again brought all those memories back. There was a storm and rain in the

evening, and the power was out all night. Because of the heat, I stepped out to the balcony, and that's when I heard the sound again. Curious, I slowly made my way toward that room. As I looked at the room, I froze. It felt like someone was inside. A faint candlelight was seeping out through the gap in the door. But just as I got closer, the light went out. Not knowing what to make of it, and feeling a little scared, I went back to my room. I couldn't sleep that night. The next day, I asked grandma about the room. But she didn't give me a proper answer. She simply warned me not to go near it.

Even so, during the rest of my stay, I tried several times to get into that room—but I never could.

The Real Cost of Fast Fashion

Subhom Ghosh

B-TECH (CSE), 2nd year

The music, the lights, the vibe—the fest session is releasing carbon into a sky that's already here. You open your wardrobe and sigh. I have nothing to wear. "Even though it's full of clothes from last Pujo, last fest, and last random sale, but you don't want to repeat outfits. You want new, exciting, Insta-worthy looks. So you open that shopping app—You scroll again. ₹299 for a trendy new crop top. You order it. "Next-day delivery." Tempting, right?

But have you ever stopped and asked—Why is it so cheap? And who's paying the real price for your ₹299 glow-up?

For you, it's just a click.

For someone else, it was a 14-hour shift in a cramped factory, needle in hand, eyes tired, stomach empty.

Imagine this.

A young girl named Rina, just 16.

She starts her day at 7 AM. The factory is hot, loud, and crowded. She skips breakfast because she's late. Her job? Stitching the sleeves of thousands of T-shirts—the exact kind that arrive on your doorstep in pretty packages. She earns ₹5 for every 50 shirts she completes. Her fingers bleed. Her back aches. But she smiles weakly—because she needs the money.

Her little brother has school fees to pay.

When she sees her hard work sold online for ₹299, she doesn't feel proud; she feels forgotten. Let's talk about that ₹299 T-shirt again.

To grow the cotton for it, 2,700 liters of water were used—that's what you drink in almost 3 years.

To dye it blue? Toxic chemicals were dumped into rivers near the village.

To make it cheap? Synthetic fabrics were used—the kind that release microplastics every time you wash them.

And when does it tear or go "out of trend"? It ends up in a landfill. Or worse, gets burned,

choking.

Fast fashion isn't just about clothes. It's a mindset. We want new not because we need it, but because we've been told last week's look is already "old".

We're made to feel embarrassed to repeat outfits, even though our favorite influencers plan their "GRWMs" weeks in advance.

This industry sells more than just style. It sells insecurity. And we keep buying it—one cart, one discount, one "limited-time offer" at a time. So now you have been thinking, "What should I do?"

¶ Wear what you already own—with pride. Instead of always chasing new clothes, learn to love and confidently wear what you already have.

Your clothes tell your story—memories from Pujos, fests, hangouts—so why not celebrate that?

There's no shame in repeating outfits. It's smart, sustainable, and stylish in its own way.

¶ Swap, thrift, borrow—fashion doesn't have to be new to be fresh.

You don't always need to buy new clothes to look good. You can:

¶ Swap outfits with friends or siblings.

¶ Thrift—buy second-hand clothes that are still in great condition.

¶ Borrow for special occasions instead of buying something you'll wear only once.

These options are eco-friendly and budget-friendly, and they give old clothes a second life.

¶ Support slow fashion brands—the ones that pay fair wages and use sustainable materials.

Slow fashion is the opposite of fast fashion.

These brands: Focus on quality over quantity. Pay fair wages to workers (no exploitation). Use eco-friendly fabrics like organic cotton or recycled materials. When you buy from them, you're voting with your wallet, choosing kindness over cruelty.

Repair instead of replacing.

If a shirt loses a button or jeans get a little tear, fix them! Don't throw something away just because it's slightly damaged.

It's cheaper, and it reduces waste. Plus, a little DIY repair can give your clothes some character.

¶ Repeat outfits. Reuse joyfully.

Don't feel bad for wearing the same thing twice—even influencers do it secretly.

Style it differently. Mix and match. Add accessories.

Outfit repeating is not boring—it's clever, responsible, and even cool.

Fashion should be about expression, not exploitation.

Fashion should be a way to show who you are, your mood, and your creativity.

But when it becomes a system where someone suffers just to make a cheap T-shirt, it turns into exploitation.

Let your fashion tell a story of consciousness, respect, and individuality, not harm and injustice.

Final Thought:

The next time you say, "I have nothing to wear," Think of Rina.

Think of the river.

Think of the wardrobe you already have—and the difference you can make by choosing better.

Because cheap fashion is never truly cheap.

Someone, somewhere, always pays the price.

A Bloody Hand Soumili Mallick B-TECH (CSE), 2nd year

Elise and Adam were a happy couple, who lived in a very small town. They were married for three years. Suddenly, through two months, something is off between them. He does not talk with her, doesn't spend time with her like before. She thought it's just work pressure. Adam is a very hardworking man. But she feels something fishy, even on the weekend he is busy on his phone or work. She does not understand if he is really busy or pretending to be busy. One day she goes to the market and she saw in a coffee shop her husband is sitting with another woman during office hours. Her world just collapsed, she cannot feel anything. Slowly she started walking and came to her home's nearest park and sat down on a bench, started memorizing every happy moment of their married life. Suddenly she is flinched by a sharp voice. She saw a young lady her age, wearing a long black coat, red lipstick. She asked Elise, "Mind if I sit here?"

Hi, I am Lena." They talked for so many hours. Lena is bold, funny. At last, she said, "You deserve more in your life," and was gone. From this, she shows up often—on the roadside, in the park, in the market. They became very close friends. Elise told everything about her and Adam's married life and about the problem. Elise started to change, sometimes she acts like Lena. Adam saw these changes and asked her, "What happened to you? You don't dress like this." She told Adam, "I met a new friend, her name is Lena." Adam started checking things. One day he realized there is no trace or existence of Lena. So one day, on a rainy night, Adam asked Elise, "Who is Lena? Where do you meet her?" She said, "In a park." Adam said, "There is no Lena. She is just in your imagination." Hearing it, she got angry and said, "Can't you see her? She is sitting in front of you." Adam became puzzled and tried to understand it. They started arguing. The situation became worst. Suddenly Elise screamed and lost her

consciousness.

A sunray came and fell on Elise's face. She opened her eyes and got up and sat on her drawing room couch. Suddenly she saw her hand and she became too stunned to speak. Her hand was full of blood and Adam's lifeless body was beside the couch.

Police started interrogating her but she couldn't remember anything from last night. In the report,

it said Adam was murdered by stabbing. On the knife, there were fingerprints of Elise.

She told the interrogator, "I didn't do it. It was Lena, she did this. She killed him. She can't see me

in sorrow. My husband is cheating on me."

Suddenly she looked at a mirror. There was Lena's

image. She whispered to her, "Yes I did it, but no one will believe you, my dear BFF."

In Elise's medical report, it said she had Dissociative Identity Disorder. Elise was looking at her bloody hand and told herself, "I didn't kill him. I love him. I didn't do it. It was Lena."

The Treasury Map

Shoharat Ali Ansari B-TECH (ECE), 2nd year

Once upon a time there was a lion lived in a jungle. He became too old to hunt. He tried so much but each time got nothing, so he sat in his cave. After few hours he felt hungry, so he decided to go for another attempt to hunt. So he hide himself behind the bushes. A fox was going through there. As soon as he saw him, caught him in once. Now the fox became scared but he got an idea. The Lion took him to the cave and said, "Now you are my lunch, you are the result of my hard work". The fox started laughing and asked what's about the next day? The lion told him I don't care

about the next day. The fox said if you want then I can solve your problem. I have a plan so that you will get to eat everyday just sitting over here. The lion was shocked and asked how? The fox answered him, I made a map of a treasure that end up is this cave and spread its copy all over the jungle, so whoever found this map will must come to your cave for the treasure and after that you understand better. The lion was impressed with his idea and promised him that if he got any hunt then he will let him free. The fox went to the city and stole some white paper and a pen. He made a

fake map of the treasure and spread it all over the jungle. After that he came to the lion's cave and told him & "just wait". In the evening, they heard some sound near the cave. The fox said you are going to get something. The lion was ready for the attack but suddenly he got shocked! He saw that a big man was standing in front of him with a gun. They are hunters who went out for hunting and came across the cave to find the treasure. Now Lion get trapped and think that animal does not need any treasure.

যদি আরো কারে ভালোবাসো অণ্বী শীল

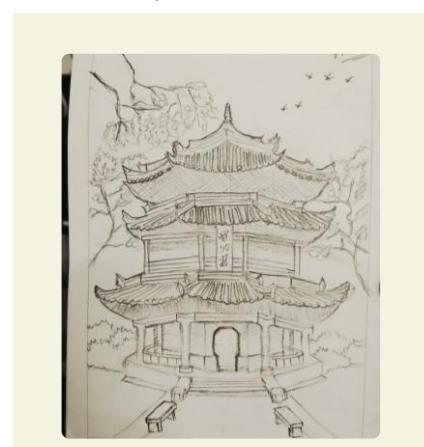
B-TECH (ME), 3rd year

~ পাহাড় থেকে ঝর্নার জল এমস মিশেছে নদীতে , সেই ঝর্নার পাশে বনভোজন এর ব্যাবস্থা করা হয়েছে । গোধূলির সময় , সূর্য পাহাড়ের কোলে ঢলে পড়েছে , চারিদিকে কমলা ঝিঙু আলোর ছটা ছড়িয়ে রয়েছে , একটা পাথরের উপর বসে ঝর্নার জলে পা ডুবিয়ে সেই ডুবষ্ট সুর্মের দিকে তাকিয়ে রয়েছে রীতি , পরনে সাদা কুর্তি- কালো জিন্স । ~ কিছুটা দূরে রাতের রান্ধার জন্য সবাই ব্যস্ত , হৃদ কাঠের জোগাড় করে এনে বর্ষফুরার সাজাচ্ছে ! পরনে কালো শার্ট, উপরের দুটা বোতাম খোলা; চুল গুলো এলোমেলো , জামার হাতা অগোছালো ভাবে গোটানো । রীতি হৃদ এর থেকে চোখ সরাতে পারছে না । কম দিন তো হলো না !! তবুও হৃদকে যতই দেখে রোজ নতুন করে প্রেম পড়ে যায় , আজ প্রায় চার বছর হতে চললো , তবুও রীতির সাহসে কুলোয়নি যে হৃদ কে ওর মনের কথা জানাতে পারে , আসলে ভয় পায় যদি হৃদ বন্ধুষ টাও নষ্ট করে দেয় !! ভালোবাসা পাওয়ার জন্য বন্ধুষ ভাঙতে রীতি রাজি নয় । হৃদ রীতিকে ভালোবাসে বন্ধু হিসেবে , সবসময় আগলে রাখে , রীতি স্বপ্নে ঠিক যেমন দেখতো হৃদ হলো আঙ্গুরিক অর্থেই সেই রাজকুমার "রীতির মনের রাজা " । ~ হালকা হাওয়াতে চুল গুলো উড়েছে হৃদের, রীতি দেখলো জামার হাতা

দিয়ে কোনোভাবে কপালের ঘাম মেছার চেষ্টা করছে হৃদ ।
রীতি উঠে যাবে হৃদের কাছে ,
দেখলো তনুকা এমস নিজের ক্রমালটা
হৃদের দিকে এগিয়ে দিল । হৃদ
ইশারায় বোঝালো যে ওর হাতে ধূলো
, তনুকা মুচকি হেসে হৃদের কাছে
ঘেঁষে কপাল থেকে গালে
বেয়ে আসা ঘাম মুছে দিল , রীতির
ঠেঁটের কোন থেকে হাসিটা এক মুহূর্তে
কোথায় যেনো উড়ে
গেলো .. আর তাকিয়ে থাকতে না
পেরে আবার ঝর্নার দিকে ফিরে বসলো
সে । সত্যি তো , সে জানে
যে হৃদ তনুকাকে পছন্দ করে ,
তনুকাও যে হৃদ কে পছন্দ করে
সেটাও সে বোঝে । সব জেনেও
রীতি নিজের মনকে সামলাতে পারে না
.... কেলো বার বার আশা করে যে
হৃদও ওকে ভালোবাসবে ??
সেটা তো সংশ্বর নয় ! আর ভাবতে
পারছে না রীতি কোনোভাবে চোখের
জল মুছে আবার আকাশের
দিকে তাকালো , একই আকাশে
একদিকে সূর্য ডুবছে , তার আভা
জগতের কোণায় কোণায় ছড়িয়ে
পড়েছে , অন্যদিকে চাঁদ ও এসে
বসেছে , সাথে এনেছে ঝুঁক্তারা ...
সময়ের সাথে সাথে রীতি

নিজেকে সামলে নেবে এই শান্তনা দিয়ে
আবার ঘুরে তাকালো হৃদ এর দিকে ,
এখন সে তনুকার
সাথে রান্ধার কাজে ব্যস্ত , রীতি জানে
এ জগ্যের মত হৃদ কে একতরণ

ভালোবেসে যাওয়াই ওর
ভবিতব্য , সেটাকেই নিয়তি মেনে
নিয়েছে , তবুও নিজের কষ্ট কমাতে
রীতি বার্থ , এই যন্ত্রণা
নিয়েই যে সারাজীবন ওকে বাঁচতে হবে
সেটা ও জানে..... হৃদ আর তনুকা
একসাথে বসে হস্মাহসি
করছে , রীতির চোখের কোনে জমে
থাকা কমলা জল সঞ্চৰের আলোয় চিক
চিক করছ "হৃদ
ভালো আছে ওকে ছাড়াই"
~তাঁবুর ভিতর থেকে ভেসে আসছে
রবি ঠাকুরের গান -
" যদি আরো কারে ভালোবাসো
যদি আরও ফিরে নাহি আসো
তবে তুমি যাহ চাও,তাই যেনো পাও
আমি যত দুঃখ পাই গো..."



ANANYA CHANDRA
B.TECH (CE) 2nd Year

The Rusted Frame Jibangshu Nayak B.TECH(ME), 3rd year

Ayan stood on the side of the busy Kolkata street; his gaze locked on an old picture in his shaking hands. The image was a random snap, and it preserved the beautiful smile of his former love, Nisha, against the gleaming facade of the Victoria Memorial. Her smile appeared to be suspended in time, an agonizing reminder of loss.

It had been six months since Nisha had walked away, her words a quiet storm. "We're growing apart," she had said, her voice devoid of anger, yet filled with a finality that crushed Ayan's spirit. He didn't fight; how could he? He had always believed in love's freedom, but he never imagined it would mean letting her go.

The world didn't halt its progress because of his grief. The same sidewalks they used to walk hand-in-hand were now unfamiliar. Their favorite coffee shop was still open, but his heart hurt. He had no idea what tomorrow would bring, but he understood that he did not have to erase the past in order to move on. Nisha was a part of his narrative—a lovely, sweet chapter.

Ayan's friends attempted to drag him out of his sorrow, proposing vacations, hobbies, diversions. But each effort seemed insincere. How could they possibly comprehend that his shattered heart was not something to be "mended"? It was a wound he had to bear, a lesson he had to learn.

That night, when the sun fell below the horizon, Ayan stood at the park where they had initially met. The bench on which they had exchanged their first cringe-worthy conversation was where he sat, the paint chipped and worn from the years that passed. He put the photograph next to him and sat down.

Whispering into the space, "I miss you, Nisha."

A gust of wind caught the photograph and blew it off the bench, and Ayan stood back to watch as it fluttered onto the floor. He paused as he picked it up. Maybe it was time to leave it behind—not the picture itself, but his sorrow.

Ayan departed the park without the photo. With each step, he felt lighter, even though his heart hurt. He had no idea what tomorrow would bring, but he understood that he did not have to erase the past in order to move on. Nisha was a part of his narrative—a lovely, sweet chapter.

And now, he needed to start writing the next one. Alone, but not lost. Painful, but still hopeful.

And The Story Begins

Shoharat Ali Ansari B.TECH(EE), 2nd year

आज सबके वार्षिक परीक्षा का परिणाम आने वाला है सभी छात्र छात्रा बहुत चिंतित हैं उनमें से सबसे ज्यादा चिंतित है राहुल। राहुल अपनी कक्षा में हमेशा प्रश्नोंमात्रा आने वाला छात्र था। शिक्षक के कक्षा में प्रवेश करते ही सभी छात्रों में उत्सुक हो बढ़ गई। कोई अपने दांतों तले अपने नाखून चबा रहा था तो किसी के पैर मानों जम से गए हो। अजी हो भी क्यों ना आज उनके पूरे एक साल के मेहनत का फल भिलने वाला था। शिक्षक ने कक्षा में प्रथम आने वाले लड़के का नाम

बताया। नाम राहुल का था मगर उसके भाव सामान्य थे वह एक बहुत ही शांत स्वभाव का तथा शर्मिला लड़का था। शिक्षक ने सभी छात्र छात्राओं को उनका परिणाम पता देकर छुट्टी दे दी। कक्षा से बाहर निकलते ही कुछ लड़के जोर-जोर से मचाने लगे जैसे किसी के कैद से छोटे हो तो कुछ अपने दोस्तों से अपने अविष्यक की योजनाओं में जुड़ गए। राहुल चृपचाप अपने घर चला गया। सिमरन उसी कक्षी की एक छात्रा थी। उसके पूरे 80% अंक आए थे मगर ऐसा लगता था मानो वो किसी के इंतजार में हो। अपने दोस्तों को अलविदा

बोलने के बाद भी वह बहुत देर तक किसी को ढूँढती रही। थोड़ी देर बाद वह भी अपने घर चली गई। पूरे 2 महीने छुट्टी के बाद स्कूल खुला। सभी छात्र छात्रा आज अपने नये किताबों और पोशाक में हाजिर थे। राहुल भी आया था और सिमरन भी। जब सारे छात्र छात्रा कक्षा में आ गए तब शिक्षक ने सबकी हाजिरी लेनी शुरू की।

तभी दरवाजे से किसी की आवाज सुनाई दी। आवाज थेरौं की थी। थोड़ी देर बाद दरवाजे पर एक छात्रा खड़ी हो गई। लड़की का नाम मीरा था। शिक्षक ने उसका परिचय देते हुए कहा कि ये उनके कक्षा की नई छात्रा है। राहुल ने जब उसके चेहरे को देखा तो उसके पैरों तले जमीन खिसक गई। उसका चेहरा लाल ही गया और

धड़कने तेज हो गई। टीफिन में सभी लड़के मीरा के बारे में ही बात कर रहे थे।

किसी ने कहा वो अंगजी मीडियम से पढ़ कर आई है तो किसी ने कहा वह

कलकत्ता से जयपुर यहां रहने आई है। राहुल सभी के बातों को ध्यान से सुन रहा

था। अगले दिन राहुल स्कूल थोड़ा जल्दी आ गया। बैच पर बैठकर थोड़ी देर कुछ

सोचा और एक कागज पर कुछ लिखने लगा। तभी उसकी नजर सिमरन पर पड़ी, आज वो भी स्कूल जल्दी आ गई थी। राहुल ने उसको देखते ही कागज अपने हाथों से छपा लिया। उसको देखते ही सिमरन वहां से दौड़ गया। राहुल को यह बात अजीब लगी लेकिन उसने इस बात पर ज्यादा ध्यान नहीं दिया। तभी वहां मीरा भी आ गई। राहुल जैसे ही वो कागज उसे देने के लिए आगे बढ़ा था

तभी वह वहां से बाहर चली गई। राहुल ने तभी वह कागज उसके बैग में डाल दिया।

उसके बाद वह भी वहां से चला गया। थोड़ी देर बाद क्लास शुरू हुई शिक्षक ने हाजिरी के बैंद सबको अपनी किताबें निकालने को कहा।

राहुल ने जब अपने बैग को खोला तो आश्चर्यचकित रह गया। उसके बैग में वही कागज था जो उसने मीरा

के बैग में डाला था। स्कूल खत्म होने के बाद सारे लड़के अपने घर चले गए पर

राहुल एक पूल पर जाकर मीरा का इंतजार करने लगा। उसने तभी उसने देखा कि

पूले से ही वहां कोई लड़की खड़ी थी। जब वो उसके पास पहुंचा तो देखा कि वह

लड़की सिमरन है। तभी उसे एहसास हुआ कि जल्दी-जल्दी मीरा के बजाय सिमरन के बैग में डाल दिया था। तभी उसे समझ में आया कि वह

उसे देखकर उस समय भाग क्यों गई थी। दोनों एक दूसरे को देख कर मुस्कुरा रहे

थे और शर्मा भी। तभी चिड़ियों का एक दल आसमान में उड़ा हुआ नजर आया।

दोनों एक दूसरे का हाथ पकड़ कर उसे देखते रहे।



ANANYA CHANDRA
B.TECH (CE) 2nd Year

The Invisible Cure KAHKASHAN HAIDER

B.TECH(CSE), 1st year

All of us, including you and me, are worried about something — the future, finances, illness, or all at once. These stresses often feel invisible, yet they weigh us down, leading to anxiety and even depression. After COVID-19, depression rates have more than doubled. A person suffering from depression feels drained, loses interest in life, and nothing seems enjoyable anymore.

One way to assess the severity is the Beck Depression Inventory (BDI), a test with 21 questions used worldwide. Doctors might prescribe sedatives to ease the symptoms temporarily, while psychologists recommend changing one's mindset — focusing less on worries and more on happiness. Interestingly, this shift in thinking often brings real relief, even when medicine doesn't.

This idea goes back to the 18th century with Phineas Quimby, an American who suffered from tuberculosis. With no cure available, he noticed that when he did what he loved, like horse riding, his symptoms eased. He concluded that the real healing begins in the mind and heart, not just the body. His belief laid the foundation for what we now call the *Law of Attraction* — the idea that positive thoughts attract positive outcomes. Many philosophers and researchers then

studied ancient teachings — Greek, Roman, Vedic, and religious texts — to find common ground. What they discovered was a single, powerful truth: there is one eternal, universal energy that governs everything. When our thoughts align with it positively, our lives begin to change — because energy flows where attention goes.

Moonlight whiskers Soumik Sen DIPLOMA (ME), 2nd year

Once upon a time in the tranquil village of Willowdale, there resided a handsome tabby cat named Mik. He was a clever trickster with a spirit that feared nothing. He didn't need anyone — or at least, he thought. As it turned out, that was until the night she fell from the sky.

The moon was full and bright, and cast a soft silhouette over the field where Mik had first glimpsed her. She touched down gracefully, her white fur gleaming like snow. Her eyes glimmered, pale blue like stars on the night sky. Her name was Rita, and she came from the Moon.

But a special spark ignited when Rita met Mik. She got distracted from her goddess life and fell in love with the small blanket cat. They played in the meadow, chased fireflies, cuddled up. Mik taught Rita to fish the stream and sleep in the sun. Rita taught Mik the stars and sang to him in an old language, one the stars spoke.

They had a great love, but it wasn't meant to be. She was a millennia-old specter, and one day, the Gods of the Moon came for Rita. It was their voices calling for her, as though on the wind. "Rita, now is the time to return to the Moon." But Rita didn't want to leave Mik; she had no choice.

Rita's defense sent Mik's hackles up. "She stays here with me," he said bravely. But he was only a little cat, and the gods were too great. Rita said goodbye to Mik, her tears raining down onto his fur. "I will always find you in your dreams," she said.

And then, she was gone, remanded to the Moon. Mik was alone, looking up at the sky. He ached for Rita, but he knew she was with him in spirit. Every evening, he would lay on his back in the field, staring at the Moon, and whisper her name.

At times he would swear he could hear her voice borne to him by the wind, a gentle susurru that only he could hear. And in his dreams, Rita would visit him. She'd curl up next to him, warm, comfortable, as if she hadn't just hopped in for a while.

And their love was a special type of magic, because it could be between the Earth and the Moon. Yet the distance failed to dim the love Mik and Rita had for each other, as it would shine bright in the night sky. So, their love keeps scattering through the mystical portal of dreams.

ওথানে নেমে শুশানের রাস্তা ধরে চলে আয়। আমাদের এক বাক্সবী মারা গেছে। তারপর আমি সেই কে বলতে প্রশ্ন করতে যাব ঠিক সেই ফোনটা। কেটে গেল তারপর আবারও ফোন করতে গেলাম কিন্তু ফোনটা ফোনে পেলাম না।

ফোন কেটে হঠাত নিচের দিকে চেখ গেল। আরাট্রিকার পা থেকে এত পরিমাণ রক্ত বেরিয়েছে যে আমার পা অবধি তা গড়িয়ে এসেছে। আমার দেখে বেশ ভয় হল, আমি বললাম— হয়তো তোমার পা কেটে গিয়েছে তুমি লক্ষ্য করোনি। তুমি এই তোয়ালেটা দিয়ে পা— টা জড়িয়ে নাও। আমি একটু শুয়ে পড়ছি। এই বলে আমি শুয়ে পড়লাম।

টেন থামলো আমার গন্তব্যস্থলে অর্থাৎ তারকেশ্বরে। আমি টেন থেকে নেমে দেখি আরাট্রিকা আর টেনে নেই। সাথে সাথে বা থেকে আওয়াজ এল 'আমি এখানে, তুমি এদিকে এসো'। আমি লক্ষ্য করিনি আমার আগে আরাট্রিকা নেমে গিয়েছে। আমি কিছু প্রশ্ন না করেই নেমে গেলাম। তারপর আরাট্রিকা বললো—

চলো শুশানের দিকে রওনা দিই তবে ! আমি চমকে উঠলাম। আরাট্রিকা কিভাবে জানতে পারলো আমি শুশানের দিকেই যাব ? আমি কিছু বললাম না। চলো ! বলে আমি আরাট্রিকার পিছু— পিছু হতে লাগলাম। মাথার মধ্যে নালান প্রশ্ন এলও, আমি কিছু না বলেই নিস্তরে এগিয়ে যেতে লাগলাম। প্রায় অনেক দূর চলে এসেছি। এমন সময় আবারও আমার বক্সের ফোন এল। ফোনের ওপাশ থেকে আওয়াজ এল, 'তুই কোথায় ? কভদূরে ? ভাড়াতাড়ি আয়।' আমি বললাম আমি প্রায় চলেই এসেছি। তারপরই ফোনে চার্জ শেষ হয়ে গেল আর তার সাথে সাথে ফোন

করল—
কোথায় যাবেন ?
আমি বললাম বেলুড় স্টেশন।
কন্ডেন্টর বলল দশ টাকা দেবেন।
তিনি আমায় টিকিট দিলেন আমি টিকিটটা ব্যাগে ঢুকিয়ে দিলাম। ডানদিকের সিটের দিকে তাকিয়ে দেখি
ওদিকে কেউ নেই, পিছনে তাকিয়ে দেখি একজন মহিলা এবং একজন পুরুষ
নিজেদের মধ্যে ঝামেলা করছে।

যখন মহিলাটির মুখটা ভালো করে দেখতে পেলাম তখন দেখলাম আর কেউ নয়
আমার প্রাক্তন প্রেমিকা
আরাট্রিকাকে। কিন্তু ছেলেটিকে তো

চিনতে পারলাম না ? ? হয়তো তার বর্তমান প্রেমিক, আমি

শুনেছিলাম আরাট্রিকা আবারও প্রেমে

এবং তাকে আবার দেখবে কে ? অস্তত নিজের জন্য বিয়ে করে নিও। এই বলে

আরাট্রিকা রাতের কুয়াশায় অদৃশ্য হয়ে গেল। তাকে আর দেখা গেল। আমি দোড়াতে

লাগলাম শুশানের দিকে

.....

শেষ দেখা সৈকত দে B-TECH (CE), 4th year

রাত তখন ঘড়ির কাঁটায় ১: ৩০
আজ আফিস থেকে বাড়ি ফিরতে আজ
রাত হবে মনে হচ্ছে। পূর্বপাশ থেকে
বিদ্যুৎ চকচকে। হঠাত
হওয়ার গতিবেগও বাড়ল। বেশি দেড়ি না
করে তাড়াতাড়ি গিয়ে বড় রাস্তায় বামপাশে
দাঁড়ালাম। অত রাতে
টোটো বা অটো পাওয়ার আশা নেই !
বাস ধরেই স্টেশনে যেতে হবে। ঠিক
মিনিট দশকে পরেই দূর থেকে একটা
আলো দেখতে পেলাম। একটা বাস আমার
দিকে এগিয়ে আসছে। হাত দেখিয়ে দাঁড়াতে
বললাম। বাসটি দাঁড়াবে
কি না এই নিয়ে আমার বেশ সন্দেহ ছিল
! কিন্তু না এই বার শেষ রক্ষা হল বলতে
হয় কারণ বাসটা আমার
সামনে এসে দাঁড়ালো। বাসে উঠে পড়লাম
কোনো দিকে না তাকিয়ে সামনেই সিট
ফাঁকা ছিল স্থানেই বসে
বললাম। সাথে সাথে কনডাক্টর জিঞ্জেস
করল—

কোথায় যাবেন ?

আমি বললাম বেলুড় স্টেশন।

কন্ডাক্টর বলল দশ টাকা দেবেন।

তিনি আমায় টিকিট দিলেন আমি টিকিটটা
ব্যাগে ঢুকিয়ে দিলাম। ডানদিকের সিটের
দিকে তাকিয়ে দেখি

ওদিকে কেউ নেই, পিছনে তাকিয়ে দেখি
একজন মহিলা এবং একজন পুরুষ
নিজেদের মধ্যে ঝামেলা করছে।

যখন মহিলাটির মুখটা ভালো করে দেখতে

পেলাম তখন দেখলাম আর কেউ নয়

আমার প্রাক্তন প্রেমিকা

আরাট্রিকাকে। কিন্তু ছেলেটিকে তো

চিনতে পারলাম না ? ? হয়তো তার

বর্তমান প্রেমিক, আমি

শুনেছিলাম আরাট্রিকা আবারও প্রেমে

পড়েছে। কিন্তু এত ঝামেলা কেন ওদের
মধ্যে ? আমার মনে প্রশ্ন
জাগলো। কিন্তু জিঞ্জেস করার সাহস হলো
না। বাসটি দাঁড়ালো আমি নামলাম।

দেখি আমার সাথে সাথে
আরাট্রিকা আর সেই ছেলেটিও নামলো।
হেঁটে এগিয়ে গেলাম স্টেশনের দিকে ওরাও
এসে স্টেশনে দাঁড়ালো।

আমি ওদের থেকে বেশ কিছুটা দূরে
দাঁড়িয়ে। স্টেশনে আমরা বাদও বেশ কিছু
লোক দাঁড়িয়ে রয়েছে, তাদের
দেখে মনে যেন একটা শাপ্টি এলো। শেষ
ট্রেনটা চলে গিয়েছে কিনা তা নিয়ে আমার
মনে সন্দেহ ছিল !!

হঠাত দেখি ট্রেনের শব্দ। আমার সামনে
এসে ট্রেনটা দাঁড়ালো। কে যেন হাত
বাড়িয়ে আমার হাতটা ধরে
ট্রেনে ভুলে নিল। আমি ট্রেনে উঠলাম
দেখলাম আর কেউ নয় আরাট্রিকাই আমার
হাত ধরে ট্রেনে ভুলেছে।

আমি আরাট্রিকার বিপরীত দিকের সেটটিতে
বসলাম। আরাট্রিকা নিজে আমায় জিঞ্জেস
করল—

তা তুমি কোথায় যাচ্ছ বরঞ্গ ?

আমি বললাম বাড়ি যাচ্ছি।

তুমি এত রাতে বাড়ি ফিরছ বুঝি ? আর

তোমার সাথে থাকা ছেলেটি কোথায় ?

সে উত্তরে বলল, হ্যাঁ আমি ও অফিস
থেকে বাড়ি ফিরছি। ও আমার প্রেমিক
অরণ্য অন্য ট্রেন ধরে বাড়ি

ফিরে গিয়েছে

এমন সময় আমার এক বন্ধু আমায় ফোন
করে বলল, তুই এতক্ষণে নিশ্চই বাড়ি

ফিরতে পারিসনি। তুই

বাড়ি পৌঁছানোর আগে তাড়াতাড়ি চলে

আয় তারকেশ্বর স্টেশনে।

FILM REVIEWS

"Egaro" (2011)

JIBAN HEMBRAM
DIPLOMA (CE), 2nd year

"Egaro" is a historical Bengali sports drama film directed by Arun Roy, released in 2011. The movie is based on the legendary football match played on July 29, 1911, between Mohun Bagan Athletic Club, an Indian team, and East Yorkshire Regiment, a British team. This event is not only significant in the history of Indian football but also holds deep patriotic importance, as it symbolized Indian resistance against British colonial rule. Set in pre-independent India, "Egaro" portrays the socio-political scenario of Bengal during the early 20th century. The British Raj was in full control, and the Indian population was subjected to various forms of oppression. Amidst this backdrop, the sport of football emerged as a form of cultural resistance for the youth of Bengal. Mohun Bagan, formed in 1889, was one of the earliest Indian clubs to challenge the dominance of British teams in the Calcutta Football League. The story follows the lives of eleven barefooted Indian footballers from Mohun Bagan, who defied all odds and prejudices to compete in the prestigious IFA Shield tournament. The team was led by the charismatic captain Shibdas Bhaduri, a man driven by both sporting passion and nationalistic fervor. Each player is portrayed with individual backstories, showcasing their struggles, patriotism, and determination to bring pride to their country through football. Despite limited resources, inadequate training facilities, and playing without proper boots, the Indian players showed immense grit and skill. They faced racial discrimination, physical abuse, and humiliation from the British officers and opposing teams. However, their resilience never wavered. The final match against

Oak Island and its hidden treasure

Ankit Das DIPLOMA (EE), 1st year

Oak Island, present in Lunenburg country-Canada is a mysterious island. It is famous in the entire world for the very treasure hidden in this island. Thousands of people have tried to discover this treasure for 100 years. According to the legends, it is said that a pirate named Captain William Kidd frequently came and hid in this island. The treasure he had looted might have been hidden here which is now called "The treasure of Oak Island." This incident took place around 1701, after which the captain was executed. In 1793, it is said that the last French Queen- Marie Antoinette, during the French Revolution, gave all her jewels and diamonds to one of her special soldiers. She feared that her precious jewellery would be looted by someone. It is said that this soldier was last seen near Oak Island and might have buried the jewellery on this island which is now known as the treasure. Another theory or legend says that there is a Viking ship under the island which contains the treasure. But in 1795, few children who were the local people who lived on this island, found a large hole, hidden beside a tree. The people of the island started to dig the hole further. They dug for a long time but they didn't find anything and stopped digging. Now, it

is suspected to be the pit -that was the hole dug either by Captain Kidd or the soldier to hide their treasure. On the basis of this information, after 1795, the next excavation was done in 1861 by a company called The Oak Island Association. They further excavated holes all around the island but didn't find the treasure. What they found was evidence of a treasure from a piece of parchment, by digging the same pit (which was dug in 1795). Along with this, few other manuscripts were found which ensured the presence of some old, historic objects, deep inside the island. But unfortunately, those holes were breached or filled by salt ocean water. The area was totally flooded and thus, the digging couldn't be continued. Next, in 1855, a group known as The Halifax was formed to find the treasure. It was announced in April 2006 that the brothers, Richard Marty Lagina of Michigan had purchased 50% of Oak Island. The brothers are still digging and searching throughout the whole island. They are continuing their search for the treasure. Explorations by the Lagina Brothers are documented in a reality TV show- "The curse of the Oak island. The craze of this mysterious treasure is around the whole world. Lots of people are trying their best to find the treasure, till now.

East Yorkshire Regiment, a well-equipped and physically superior British team, was symbolic of a David vs. Goliath battle. The film builds up to the climax with the intense final match at the Calcutta Football Ground. The crowd is shown cheering passionately for the Indian team, representing the rising wave of nationalism. After a dramatic and emotionally charged game, Mohun Bagan defeats the British team 2-1, becoming the first Indian team to win the IFA Shield. This victory was celebrated across India as a blow to British pride and a symbol of Indian potential and unity. "Egaro" is not just a sports movie; it's a tribute to the spirit of Indian independence. It highlights how a football match became a political

and cultural milestone. The film combines elements of history, emotion, struggle, and triumph, creating a gripping narrative that resonates with Indian audiences. The cinematography captures the period beautifully, and the performances by the cast, especially the portrayal of Shibdas Bhaduri, bring authenticity and passion to the story. The background score adds to the emotional weight of the film. In conclusion, "Egaro" is an inspiring tale of eleven men who kicked the colonial mindset out of the football field and into history. Their victory on that July day was more than a win in a game—it was a powerful message of resistance, pride, and the desire for freedom.

Lakshya (2004)

Prahallad Mondal B.TECH (CE), 2nd year

Lakshya, which means "Goal", is more than just a war film - it's a coming-of-age story wrapped in the intense backdrop of the Kargil War. Directed by Farhan Akhtar, this 2004 film follows the journey of Karan Shergill (played by Hrithik Roshan), a directionless young man who stumbles through life until he finds purpose in the Indian Army.

Movie shows Karan as a very casual guy who has no dream or vision in his life and seems to be confused with himself all the time. Karan's girlfriend Romila (played by Preity Zinta) is a thoroughly focused girl who has absolute clarity of her dreams of becoming a journalist.

Karan has a friend Parvesh who decides to apply for Indian Army. Surprised by his friends idea, Karan decides to follow his friend like a sheep and applies for the army without even discussing it anyone. Later on, Parvesh decides to let go of the idea to join the army, and instead decides to opt for an MBA from a foreign university leaving Karan all alone and confused all together.

Karan's father is furious when he is acquainted with Karan's decision to join army. Karan anyways decides to appear before the army and is recommended for training at the Indian Military Academy. Not able to withstand the pressure and discipline in the academy, Karan decides to abandon the training and flee from

the academy.

Karan meets Romila, who is disgusted when Karan tells her that he gave up on his decision to join army and fled from the academy. Romila decides to dump Karan, which leads to Karan repenting his decision to flee from the academy. Karan is a changed man now, who is finally inducted back in training and starts to take things seriously in his life.

After completing his training, Karan is now posted in Kargil as a lieutenant. After coming back to Delhi, Karan expresses his desire to reunite with Romila, but he is left heart broken when he comes to know that she's getting engaged with another man.

Karan is called back to Kargil due to trespassing by Pakistani Army. After a series of attempts, Indian Army launches a final attack in which Karan emerges as the final flag bearer. During this whole war, Karan sees Romila reporting for a news channel and after a series of face to face moments, Karan and Romila finally confess that they both love each other. After war ends, Karan is shown to have recovered from the injuries sustained in the war and is greeted by his proud parents. Karan's mom

asks him to come home to which his dad directs him towards Romila who has been waiting all this while to see Karan again.

the film shines, The cinematography captures the stark beauty and brutality of the mountains, while Shankar-Ehsaan-Loy's music, especially the powerful title track Lakshya, adds emotional depth. The song "Mai Aisa kyu hu" added that additional x-factor to attract the audience. The song "Lakshya To Har Haal Mein Pana Hai" is my go-to song. You are running a marathon, or completing a task, This song can motivate you to do that thing will full dedication.

Lakshya is not just about war - it's about purpose, choices, and the courage it takes to change

your life. It reminds you that sometimes the real battles are the ones you fight within. the film feels relevant and inspiring, especially for anyone feeling a little lost in their own journey. This movie is also been seen as a great motivator for many defense aspirants. This movie

always motivates you. It's a must watch movie for all the young students who really are looking for answers.

"Chak De! India"

JIBAN HEMBRAM
DIPLOMA (CE), 2nd year

Chak De! India is a 2007 Indian sports drama film directed by Shimrit Amin and produced by Yash Raj Films. The movie stars Shah Rukh Khan as Kabir Khan, a former Indian men's hockey player who becomes the coach of the Indian women's national hockey team. The story is not just about sports; it's about redemption, unity, and breaking societal stereotypes.

The film begins with Kabir Khan, once the captain of the Indian men's hockey team, being accused of betrayal after India loses a crucial match to Pakistan. A photograph showing him shaking hands with a Pakistani player leads to public outrage, and he is branded a traitor. Shunned by society, Kabir disappears from the limelight, living in isolation with a tarnished reputation.

Seven years later, he gets a chance at redemption when he is offered the role of coach for the Indian women's hockey team. The team is a diverse group of girls from different states, cultures, and backgrounds, each carrying their own personal struggles, egos, and prejudices. The players

include a mix of characters like the feisty Komal from Haryana, the determined Preeti from Chandigarh, the skilled but arrogant Bindia, and Vidya, a traditional girl facing pressure from her family.

At first, the team is fragmented and lacks discipline, unity, and the will to work together. Kabir, a strict and focused coach, faces immense challenges in molding them into a team. He instills discipline, team spirit, and a sense of national pride among the girls. His tough methods initially meet resistance, but gradually the players start to understand his vision and begin working together.

As the team trains and grows stronger, they face opposition not only on the field but also from within the system. Officials doubt the capability of the women's team and their coach. However, Kabir stands firm, believing in his players. The team gets selected for the Women's Hockey World Cup and heads to Australia to represent India.

The tournament is filled with intense matches, tough opponents, and moments of doubt. The team battles through setbacks, internal

conflicts, and high-pressure situations. The players start to overcome their personal and cultural differences and fight together as one unit. Kabir's

unwavering faith and guidance help them stay focused on their goal. In the nail-biting final match against the strong Australian team, the Indian women's team gives their best performance. Against all odds, they win the World Cup, making history and earning respect for women's hockey in India. The victory is also a personal redemption for Kabir Khan,

who finally clears his name and proves his loyalty to the nation. Chak De! India is a powerful story of second chances, women empowerment, and the spirit of teamwork. It challenges gender biases, regional discrimination, and societal expectations, delivering a strong message about unity and national pride. Shah Rukh Khan's performance as the intense and passionate coach adds depth and emotion to the narrative. The film ends with the players returning as heroes and Kabir walking away in peace, finally free from the shadows of his past.

Chhaava

Biswajit Saha B.TECH (CE), 2nd year

The 2025 motion picture "Chhaava" presents the remarkable historical story of Chhatrapati Sambhaji Maharaj who led his warriors to battle against Mughal armies for the protection of his kingdom. Laxman Utekar directed the film while Vicky Kaushal took the leading role in the screen adaptation of Shivaji Sawant's Marathi novel that bears the same name. The story follows Sambhaji Maharaj through his development from a young royal prince to his evolution into a courageous warrior king. Authentic historical reenactment in the movie uses precise details to show both Maratha lifestyle and historical events. Vicky Kaushal delivers an exceptional performance as Sambhaji Maharaj while leading the cast of outstanding actors in the film. Akshaye Khanna together with Rashmika Mandanna display outstanding performances in their additional roles which enrich the overall storyline. The film displays exceptional camera

work that produces majestic visuals which effectively push audiences experience the historic Indian battlefield scenery of the 17th century. The pacing of the movie becomes inconsistent because certain scenes move too quickly. All the plot twists in the story show clear signs of predictability that makes the emotional impact weaker. Even though it has some technical issues "Chhaava" stands as a significant historical masterpiece which will definitely entertain all viewers. The movie offers an impressive blend of a well-developed story and remarkable acting and visual content which makes it a forceful viewing experience for those who like watching historical drama. The movie stands out as a notable historical epic of 2025 because of its emotional depth and historical value while maintaining its position as one of the best films in its genre. The emotional power of "Chhaava" makes it a must-watch film thanks to its

remarkable storyline and superior portrayals and spectacular imagery that vividly portray the events of the story. The film holds remarkable emotional depth as well as historical importance to make a powerful viewing experience that strikes deep within viewers. The movie targets audiences who prefer watching historical dramas and epic stories. Watchers will keep "Chhaava" in their minds after the end credits as the film delivers excellent storytelling along with remarkable acting performances.



Dolly Kumari
B.TECH (CSE) 1st Year

Por Thozhil (2023)

SOMENATH GHOSH
B.TECH (CE), 3rd year

Por Thozhil (2023) is a Tamil investigative thriller that has garnered attention for its compelling storytelling and strong performances. Directed by debutant Vignesh Raja, the film delves into the dynamics between two police officers as they unravel a series of murders.

Plot Overview

The narrative centres around DSP Prakash (Ashok Selvan), a newly appointed officer, and SP Loganathan (Sarah Kumar), a seasoned and reclusive cop. They are tasked with investigating a string of murders in Trichy, where young women are killed under similar circumstances. The film explores their contrasting approaches to solving the case, with Prakash relying on bookish knowledge and Loganathan trusting his instincts. Their evolving partnership adds depth to the storyline.

Performances

Sarath Kumar delivers a restrained yet impactful portrayal of SP Loganathan, embodying the character's experience and emotional depth. Ashok Selvan's portrayal of DSP Prakash is marked by subtlety, capturing the character's

growth and determination. Nikhila Vimal's role, though significant, has been noted as underutilized, with some critics suggesting that her character could have been more developed.

Direction and Screenplay

Vignesh Raja's direction is lauded for its focus on the central investigation without unnecessary embellishments. The screenplay maintains a steady pace, introducing a significant twist in the second half that enhances the narrative's engagement.

Technical Aspects

The film's technical execution contributes significantly to its atmosphere. Kalaiselvan Sivaji's cinematography effectively captures the moody and

suspenseful tone of the narrative. Jakes Bejoy's background score complements the film's tension, while Sreejith Sarang's editing ensures a coherent flow. The absence of songs is a deliberate choice that aligns with the film's serious tone.

Themes

Por Thozhil delves into themes of trauma and its impact on individuals, particularly in the context of the antagonist's backstory. The film also touches upon the dynamics of mentorship and the development of trust between the two lead characters.

Conclusion

Por Thozhil stands out as a well-crafted crime thriller that emphasizes character development and narrative depth. While it adheres to certain genre conventions, its execution and performances elevate it beyond typical tropes. For viewers interested in a gripping investigative drama, Por Thozhil offers a compelling cinematic experience.

Pokémon – The Legend of Mew

AKASH SANTRA

B.TECH(ECE), 2nd year

In the vast universe of Pokémon, few names evoke as much mystery, nostalgia, and admiration as Mew — the elusive, mythical Pokémon believed to be the ancestor of all others. This tale, drawn from the iconic games and anime, brings Mew to life not just as a rare creature, but as a symbol of origin, peace, and boundless potential.

The film introduces Mew with awe and wonder. Unlike Mewtwo, the genetically engineered clone born out of human ambition, Mew represents purity and nature's original design. The contrast between Mew's serene wisdom and Mewtwo's vengeful fury is at the heart of *Pokémon: The First Movie* (1998), where science clashes with spirit in a battle that questions identity, purpose, and power.

What makes Mew stand out isn't

just its ability to turn invisible, or learn any move — it's the emotional resonance. Mew doesn't fight for glory. It fights to restore balance and understanding. Whether it's quietly watching from above or stepping in to save the world, Mew acts not out of ego but empathy.

For longtime fans, the myth of Mew stretches beyond the screen — from urban legends like the hidden Poké Ball near the S.S. Anne to exclusive events unlocking Mew in early games. It remains a symbol of rarity, mystery, and nostalgia.

In conclusion, Mew isn't just a character — it's a feeling. A legend wrapped in innocence and immense power. Calm, cute, and quietly capable of changing the world, Mew truly is the heart of Pokémon mythology.

“একজনে ছবি আঁকে এক মনে,ও মন আরেক জনায় বসে বসে
রং মাখে ও মন
একজনে ছবি আঁকে এক মনে,ও মন
আরেক জনায় বসে বসে রঙ মাখে
ও আবার সেই ছবিথাল
নষ্ট করে কোন জনা,কোন জনা

তোমার ঘরে বসত করে
কয় জনা, মন জন না
তোমার ঘরে বসত করে কয় জনা “

গুরুদেবের এই গন তা আমার খুব শ্রিয় ,এমনি
মাঝে মাঝেই গুল গুল করি কিন্তু রাপূর্ণ
ভট্টাচার্যের নতুন ভাস্তুন টা বেশ কানের মধ্যে
চুক্ক গেছে। কি অজনা লাগছে ভাস্তুন টা ?,
লাগবে যদি না দেখা হয়ে থাকে গরিবের
নোলান ওরফে সৃজিত মুখার্জির ছবি সত্তি বলে
সত্তি কিছু নেই। এক কুকুর হয়া ফায়সালা
অবলম্বনে এই ছবি বর্তমান সমাজ থেকে শুরু
করে বাস্তিগত চারিত্রের ভাঙা গড়াকে খুব সহজে
একটা স্বপ্নের আকার দিয়েছেন। ১২ জন তাবড়
তাবড় অভিনেতা ও অভিনেত্রী তাদের পুরোটা
দিয়ে ছবিটাকে বিশ্বাসযোগ্য করে তুলেছেন এবং
সাথে সাথে আমার মতো অডিয়েন্স কেও মানতে
বাধ্য করেছেন। এ তো গেল এরপর একটু
টেকনিকাল দিকে ঢোকা যাক।

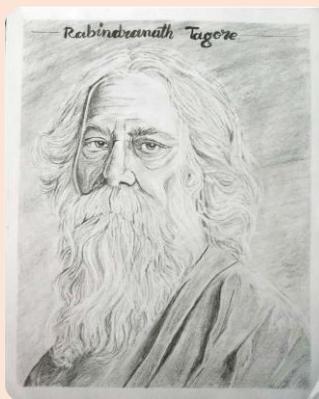
অভিনয় : ছবি তে অভিনয় নিয়ে কোনো কথা
হবে না। ছবির কাস্ট পুরো খাপে থাপ মিলে
গেছে মনে হচ্ছিলো যেন আস্থ একটা ঘটনা আমার
চোখের সামনে ঘটছে। ক্যাস্টের নাম র বলছি না
গুগলসঃ করা নেবেন। প্রত্যেকে নিজের নিজের
চারিত্রে দার্শন কাজ করেছে, কোনো ক্ষেত্রে মনে
হয় নি যে বাড়াবাড়ি হচ্ছে, বা কোনো জায়গাতেই
কোনো অভিনেতা কাউকে খেয়ে নেয় নি। আমার
বেস্ট যেটা লাগছে সেটা হলো সাইড ক্যারেক্টার
বিশেষ করে ভিক্টোর আর তার দাদা স্ক্রিন টাইম
কম পেলেও ফাটিয়ে দিয়েছে আর য়স্টার দের
মধ্যে সুস্থ কে আমার সেরা লেগেছে, বিশেষ করে
তার বেহেভিওরাল চেঞ্জে খুবই স্থুল লাগছিলো
এবং ভুলে চলবে না সৌরসেন্সি ও নিজের
জায়গায় যথাযথ।

মিউজিক : ব্যাকগাউন্ড মিউজিক এর কাজ ভালো
শুভদীপ শুই তার কাজ এ সফল হয়েছেন আর
বলাই বাহুল্য যে অস্তিত্ব চাটোজী তার এই একটা
গানের ক্ষেপাশিশন দিয়ে আমাকে তো বেশ
ভালোই আটকে নিয়েছেন তার জন্য হ্যাটস অফ।

গল্প ,পরিচালনা এবং ডায়লোগ : গল্প বললে খুব
ভুল করা হবে, এখন ওটিটি তে চল এসেছে
ওয়াল টাইম ওয়াচ তো করে যায় আর সৃজিত
মুখার্জি কে আমারা যে কারণ এ চিনি চোখ
চোখা ডায়লোগ সেটাও আছে এই ছবি তাই।

সিনেমাটোগ্রাফার : ডিরেক্টর মশাই যদি মন্ত্রিক
হল তাহলে প্রসেনজিং চৌধুরী হচ্ছেন তার চোখ,
আর সেই চোখ তার দৃষ্টিকোণ দিতে পেরেছেন।
একটা সিন এর কথা আমাকে বলতেই হবে যেটা
হলো ডিম সিকোয়েন্স শুরু হবার সময় তার
ভাবনা আর এক্সেকিউটিভ দার্শন হয়েছে।

উপসংহার : কিছু কিছু সিনেমার ক্ষেত্রে বেশি
বলতে নেই তার মধ্যে এটা। যদি ২ ঘন্টা কেউ
একটু ভাবনা চিত্ত করতে চায় তাহলে তার জন্য
বেশ ভালোও একটা সুযোগ, আর যদি কেউ
সৃজিত আর ফ্যান হয় তার তো ডেফিনেটিলি
দেখা উচিত এই ছবি।



Salini kumari yadav
B.TECH (CSE) 1st Year

TECHNICAL ARTICLE

MACHINAGE 3.0

Return Of The Dire Wolf: Science Or Spectacle?

The dire wolf (*Aenocyon dirus*), a formidable predator from Ice Age, went extinct approximately 13,000 years ago. To recreate this species, Colossal scientists extracted ancient DNA from two fossil specimens: a 13,000-year-old tooth and a 72,000-year-old skull. They identified 20 genes responsible for dire wolf traits and edited these into the genome of gray wolves, their closest living relatives. The modified embryos were implanted into domestic dog surrogates, resulting in the birth of the three pups. Its name, meaning "terrible wolf," captures the animal's fearsome reputation in prehistoric ecosystems.

Dire wolves measured about **5 to 6 feet** in length and weighed up to **150 pounds**, making them heavier and more robust than today's gray wolves. They had **powerful jaws and large teeth**, well-adapted for crushing bone—an essential trait for scavenging and hunting large prey like bison, horses, and even young mammoths.

One of the richest sources of dire wolf fossils is the La Brea Tar Pits in California. These sticky tar pits trapped countless animals over thousands of years, preserving their bones in remarkable detail. Over 4,000 dire wolf specimens have been recovered from this site alone, giving scientists a deep understanding of the species' anatomy, diet, and social behavior.

Today, dire wolves remain a popular subject, famously appearing in shows like Game of Thrones. But beyond fiction, the dire wolf continues to capture the imagination of scientists and the public alike, serving as a symbol of the mysterious world of the Pleistocene Epoch.

Though extinct, the dire wolf leaves behind a legacy of strength, adaptation, and intrigue, reminding us of the ever-changing nature of life on Earth. In April 2025, Colossal Biosciences, a

Aniket Halder

B.TECH (CE), 3rd year

Dallas-based biotechnology company, announced the birth of three genetically engineered wolf pups—Romulus, Remus, and Khaleesi—claiming them as the world's first "de-extincted" dire wolves. This milestone has ignited both excitement and debate within the scientific community and the public.

Despite the company's claims, many experts question whether these animals can truly be considered dire wolves. Beth Shapiro, Colossal's chief science officer, asserts that the pups are dire wolves, emphasizing

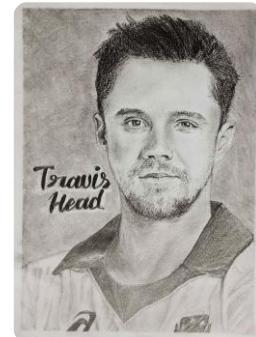
their distinct appearance from gray wolves. However, critics argue that the animals are essentially genetically modified gray wolves, not true revivals of the extinct species. Paleo geneticist Nic Rawlence points out that dire wolves diverged from gray wolves between 2.5 and 6 million years ago, making it unlikely that minor genetic edits could recreate the species.

Colossal Biosciences views the dire wolf project as a stepping stone toward broader conservation goals. The company has plans to apply similar techniques to revive other extinct species, such as the woolly mammoth and the Tasmanian tiger. They also aim to use gene editing to support biodiversity and cultural heritage. While the birth of these pups represents a significant achievement in genetic engineering. As science advances, society must grapple with the ethical and ecological considerations of bringing extinct species back to life.

Software as Technology

Kazi Salman Ali
B.TECH(CSE), 3rd year

Despite being the invisible backbone of the digital world, software development is often underappreciated as a true form of technology or engineering by the general public. Many



Salini kumari yadav
B.TECH (CSE) 1st Year

associate "technology" with tangible hardware—phones, computers, vehicles—while overlooking the complex software that powers, connects, and enhances these devices. Unlike hardware, which people can physically touch and see evolve, software remains abstract and intangible, making its significance harder to grasp.

The journey of software began with the first programmable machine, the Analytical Engine, conceptualized by Charles Babbage in the 1830s. Ada Lovelace, often regarded as the first programmer, wrote the first algorithm intended for this machine. However, practical software development didn't truly begin until the mid-20th century. In 1944, the Harvard Mark I ran its first program, followed by the creation of assembly languages in the 1950s. Then came FORTRAN in 1957, the first high-level programming language, which revolutionized the way people interacted with machines.

Today, software doesn't just complement hardware—it defines its utility. Cars, homes, phones, and even appliances are increasingly "smart" because of embedded software. Cloud platforms power global businesses, and digital apps influence every aspect of our daily lives. Software updates often change device behavior more than physical modifications ever could.

Unlike earlier tech revolutions that were hardware-led, the emergence of Artificial Intelligence marks a fundamental software-driven shift. AI models like neural networks, large language models, and computer vision systems represent a new paradigm where software learns, adapts, and improves itself—something no hardware alone can achieve. AI has already begun transforming industries from healthcare to transportation and is poised to be the core driver of future innovation.

In a world increasingly reliant on code, it's time software is recognized not just as a support act, but as a powerful technological and engineering force in its own rights.

Will AI Replace Lawyers and Accountants Within the Next 10 Years?

ANISH CHAKRABORTY

B-TECH (CSE), 2nd year

Artificial Intelligence is revolutionizing the fields of law and accounting by way of automated interfaces, data analyzing tools, and predictive software. Already, AI tools can perform tasks such as reviewing documents, analyzing contracts, projecting financials, and preparing taxes, raising questions about whether such technologies one day might supplant professional workers altogether.

AI aids law firms in analyzing legal documents, determining case law, and providing advice more quickly than human review. ROSS Intelligence and Luminance automate legal research, and LawGeex platforms aid contract drafting as well as risk analysis. Even case outcomes can be predicted using predictive analytics, based on past judgments to help better implement legal strategy. And while bots like DoNotPay automate small tasks, such as disputing tickets, far more complicated teleological decisions about right and wrong, people, and negotiation remain far beyond AI capabilities.

AI in accounting completes repetitive tasks such as data entry, reconciliations, and invoicing. Tools like Botkeeper and Xero eliminate errors and save hours. Analytical tools within software such as QuickBooks enable companies to predict cash flow and make informed planning decisions.

Tax software such as TurboTax streamlines compliance by determining deductions and filing automatically. During audits, AI tools like MindBridge Ai detect anomalies and fraud, improving risk management.

Even with these improvements, total replacement of lawyers and accountants is improbable. Human experts provide judgment, compassion, and people skills—something AI does not have. Lawyers have to recognize context, morality, and sentiment if they

are to advise clients, make deals, or argue court cases. Accountants have to decipher analytic finance scenarios, frequently leading companies through instinct and knowhow.

Legal and ethical limitations are also involved. Professionals have to abide by stringent requirements that AI cannot. A human element is essential for confidentiality, responsibility, and client trust. Furthermore, the educational and experiential history of the professional is essential to deal with difficult and high-level situations.

In the end, AI is not going to supplant lawyers and accountants but augment them. Through the delegation of routine tasks to computers, professionals are able to concentrate on the high-level, creative, and people-oriented elements of the job. The integration of AI with professional expertise envisions an era where the practice of law is more efficient, more accurate, and more astute than at any other time.



Arnab Hait
B.TECH (CSE) 1st Year

The Evolution of 3D Printing: From Prototyping to Mass Production

ANISH CHAKRABORTY

B-TECH (CSE), 2nd year

3D printing, also known as additive manufacturing, has undergone a remarkable transformation—from a niche prototyping tool to a disruptive force in manufacturing, healthcare, aerospace, and beyond.

3D Printing: Shaping the Future of Manufacturing

3D printing, by building objects layer by layer from digital designs, enables the creation of intricate, customized parts with minimal material waste. Once limited to rapid prototyping, the technology has evolved into a powerful tool for real-world production, thanks to improvements in speed, precision, and material capabilities.

From Prototypes to Production

Initially, 3D printing served engineers and designers for testing product form and fit. Today, it's widely used across industries for end-use components, streamlining both design and manufacturing processes.

Types of 3D Printing

Common 3D printing methods include:

•Fused Deposition Modeling (FDM)

– Uses thermoplastic filament.

•Stereolithography (SLA)

– Cures liquid resin with a laser.

•Selective Laser Sintering (SLS)

– Fuses powdered materials.

These support a growing range of materials, from plastics to metals and even biocompatible substances.

Why It's Gaining Ground

Modern 3D printers offer multi-material capability, speed, and accuracy. Applications now include:

•Functional prototypes and complex end-use parts.

•Cost-effective, low-volume manufacturing.

•On-demand spare part production.

In Healthcare

The medical field benefits greatly from:

•Customized prosthetics tailored to patient anatomy.

•Patient-specific implants.

•Bioprinting of tissues for regenerative medicine.

Current Challenges

Adoption hurdles include:

•Limited printable materials with performance constraints.

•Difficulty in scaling for mass production.

•Strict regulatory requirements in sectors like healthcare and aerospace.

The Road Ahead

The future of 3D printing is filled with exciting possibilities:

Mass Customization: As printers become more accessible, personalized products could become the norm.

Sustainable Manufacturing: Less waste and localized production could reduce environmental impact.

Wider Material Innovations: Advances in conductive materials, composites, and bioengineered substances will expand the technology's reach.

Conclusion

3D printing has grown from a rapid prototyping solution into a mature, versatile manufacturing method. With ongoing advancements in materials, design tools, and hardware, it is poised to reshape how we build, heal, and create in the coming decades. While it may not yet replace traditional manufacturing at scale, it is undoubtedly carving out a vital role in the future of industry and innovation.

Corleo - The AI Power Horse By Kawasaki

SOUMYADEEP MANDAL

B-TECH (CSE), 1st year

Nowadays, Science & Technology is highly developing. Especially after coming AI, the full science &

Technology field has changed. All the companies are chasing after AI to create unique thing. In this AI era, Kawasaki has just launched their all-new hydrogen-powered, ride-on robot horse. Kawasaki unveils a hydrogen-powered, ride-on robot horse :

Kawasaki Heavy Industries has pulled the covers off perhaps the most outrageous concept vehicle we've ever seen. The Corleo is a two-seater

quadruped robot that we can steer with our body, capable of picking its way through rough terrain, thanks to AI vision.

This is the latest concept vehicle from Kawasaki Heavy Industries. I think the parent company would be wise to keep this machine far from any "Ninja" stickers that might give its AI brain the idea that it should learn martial arts.

Unveiled at a preview for the Osaka Kansai Expo, the Corleo is powered by hydrogen fuel cells. Its rear legs appear to have an additional joint in them for improved impact resistance.

There's a wind-deflecting screen, which would only make sense if this thing's

designed to gallop at north of 50 miles an hour (80 km/h), and behind that, a dinky little full-colour dash.

The Corleo is designed for hot 'n' heavy off-roading, including a cat-like ability to leap from rock to rock and

sprint across uneven terrain. Its AI brain carefully analyses the potential footfalls ahead and chooses the safest options, while responding to body language from the rider as its primary control input. At night time, it's apparently also going to highlight the path forward with a series of little arrows, so the driver knows what it's planning to do. It is very much designed to be a robot horse, free from all the rude noises and genuine, warm cross-species friendship.

KHI has produced a prototype that's capable of standing and posing, and says it's an idea for a 2050 mobility project.

Which is not to say that ride-on quadrupeds aren't going to be a thing. They're already a thing. XPeng

showed off a rideable Unicorn it's built for kids in Bangkok last year, complete with a robotic arm for a tail capable of picking up six-pound (3-kg) objects. At the rate quadrupeds are advancing lately, we wouldn't put a two-seater out of reach for 2030.

But it's not this one. Kawasaki's vision of a high-speed, chasm-leaping all-terrain monster takes things a little too far. You'd want to be Velcroed into your seat for some of these jumps, or risk somersaulting over the 'bars and getting stomped by your own hydrogen horse. Still, it's a lot of fun, and kudos to Kawasaki for that!



Mou Mondal
B.TECH (CSE) 4th Year

Unraveling the Mind of a Criminal

PARINITA DUTTA

DIPLOMA (CST), 2nd year

Insights from Criminal Psychology

Criminal psychology includes the study of criminals, as well as research into the causes and consequences of criminal behaviour. Criminal psychologists investigate psychological motivations and contributing factors to criminal behavior in order to develop effective strategies for prevention, intervention and rehabilitation.

Theories of Criminal Behavior

A variety of theories have been put forward to explain why people commit crimes. Some of the more popular theories have been:

- Classical theory - If you look at it scientifically, people tend to weigh the costs and advantages of doing crime before making a rational decision.
- Trait Theory - Supposedly, certain personality traits (such as impulsivity or aggression) predispose someone to commit criminal behavior.

- Social Learning Theory - This theory says that people learn criminal behavior by observation, imitation and reinforcement.

Types of Offenders

There are obviously different types of offenders with different psychological reasons for their behaviour:

- Psychopaths - characterize by lack of empathy; impulsiveness; manipulation.
- Antisocial Personality Disorder - means an overall lack of respect for others' rights, impulsivity and aggression.
- Sex Offenders - generally have disturbed thinking styles, urge to act on impulse and lack of empathy.

Applications of Criminal Psychology

Insights from criminal psychology have numerous practical applications:

- Risk Assessment - Psychological evaluations can help diagnose a person's likelihood of recidivism.
- Treatment and rehabilitation - Targeted intervention addresses underlying psychological problems, decreasing the likelihood of reoffending.
- Crime prevention - The analysis of psychiatric factors in crime will help in the prevention

and security of the community.

A Criminal Psychology Perspective

A criminal is someone who repeatedly practices antisocial behavior without regard for social norms or laws, most often because of an underlying motive, such as violence or sexual intercourse.

- Impulsivity and aggression
- Manipulation and exploitation
- Lack of empathy and remorse
- Self-interest and narcissism
- Mental health problems [such as psychopathy or antisocial personality disorder]
- Childhood trauma or adverse experiences
- Social learning and environmental factors

These are things that may contribute to a person's overall incarceration risk.

Conclusion

Criminal psychology provides a comprehensive understanding of the complex factors that influence criminal behavior. By understanding the psychological motivations and determinants of criminal behavior, investigators and clinicians can better prevent crime, intervene in criminal behavior, and/or treat and rehabilitate criminals. Such knowledge may one day help reduce crime rates, increase community safety, and improve the lives of individuals and the rest of society.

Plasma Bomb: The Future Of High-Energy Weaponry

Soumyajit Banerjee

DIPLOMA (CST), 2nd year

Introduction

Plasma bombs are a theoretical class of high-energy weapons that harness ionized gas, or plasma, to create devastating explosive effects. Unlike conventional explosives that rely on chemical reactions, plasma bombs would leverage extreme temperatures and electromagnetic fields to generate destructive energy. This article explores the principles, potential applications, and challenges of plasma-based weaponry.

Understanding Plasma Physics

Plasma, often called the fourth state of matter, consists of highly energized particles stripped of electrons. It occurs naturally in stars, lightning, and controlled environments like fusion reactors. When manipulated effectively, plasma can reach temperatures exceeding millions of degrees, making it a

formidable medium for energy transfer in weapon systems.

Theoretical Mechanism of a Plasma Bomb
A plasma bomb would function by confining ionized gas within a powerful electromagnetic field. Upon detonation, the containment would be rapidly disrupted, releasing an intense burst of superheated plasma and electromagnetic radiation. This could cause widespread thermal destruction, disable electronic systems, and potentially produce localized electromagnetic pulses (EMPs).

Potential Military Applications

Plasma-based weaponry has intrigued military researchers due to its ability to:

- ① Neutralize Electronic Systems – High-energy plasma discharges could incapacitate enemy communication and defense grids.
- ② Deliver Precision Strikes – Unlike nuclear weapons, plasma bombs could be fine-tuned to minimize collateral damage while maintaining destructive efficacy.
- ③ Enhance Space Warfare – In the vacuum of space, plasma weapons could provide effective offensive and defensive capabilities against satellites and spacecraft.

Challenges and Feasibility

Despite its promise, several obstacles hinder the development of practical plasma bombs:

- ④ Energy Requirements – Generating and maintaining plasma at weaponized scales requires immense power sources, which current technology struggles to provide.
- ④ Containment Issues – Plasma is difficult to control, and effective magnetic confinement must be developed to prevent unintended dispersal.

- ④ Ethical and Legal Implications – The potential for mass destruction raises concerns about regulation and compliance with international disarmament treaties.

Conclusion

While plasma bombs remain speculative, ongoing advancements in plasma physics, fusion energy, and electromagnetic control could bring them closer to reality. If realized, they may revolutionize modern warfare, offering precision and power beyond conventional armaments. However, their development must be carefully monitored to balance technological progress with ethical responsibility.

SPORTS AND CULTURAL CORNER

THE DIGITAL NEWSPAPER

A RATIONAL ENQUIRY INTO THE EXISTENCE OF GOD

RITESH PANDEY
B-TECH (CSE), 1st year

CONTINGENT AND NECESSARY?

Before diving into the main argument, we must understand two key metaphysical terms: **Contingent Existence** and **Necessary Existence**.

Existence refers to the state of having being or reality, by which we participate in a totality distinct in essence and existence from ourselves. Essence, in contrast, refers to the qualities that define what something is—regardless of whether it exists. For example, we can describe the properties of a hyper-space without it existing in reality.

Ontology, the branch of metaphysics that studies being, classifies existence into three categories: Contingent, Necessary, and Impossible.

Contingent existence lacks within its essence a sufficient reason for its being. It depends on something else and may or may not exist depending on whether its cause exists.

For example, matter depends on the concept of space; if space didn't exist, matter wouldn't either.

Necessary existence, however, has within its essence the reason for its own existence. It is self-sufficient and cannot not exist. It exists by necessity, not by dependency on any other explanation for its existence.

THE PROOF OF THE TRUTHFUL

A Deductive Argument for the Necessary Existence of God (inspired by Ibn Sina)

P1: All things in existence are purely contingent upon something else for their existence.

A contingent being is one whose essence does not guarantee its existence. As Ibn Sina explains: "That to which possibility applies... does not come into existence by its essence alone."

Its existence must be actualized by something external that favors being over non-being. For instance, a ball's essence includes shape and elasticity, but none of these explain

why it exists—it requires an external cause. Hence, every contingent being is dependent.

This leads to a causal chain: each contingent being depends on another. But can this chain regress infinitely?

IBN SINA'S PROOF OF THE TRUTHFUL

P2: The totality of all contingent things, whether finite or infinite, needs an explanation external to itself.

If the chain is infinite, every member remains contingent. The whole collection still lacks a sufficient reason for its existence. No contingent part can cause the entire chain, and if any part were uncaused, it wouldn't be contingent. Therefore, even an infinite series of dependent beings cannot explain itself. The existence of the whole must depend on something that lies outside the series.

Conclusion: There must exist an uncaused cause—a necessary being—on which the entire chain depends.

This necessary being is not contingent, and its essence entails existence. It does not require a cause, as it is not one among the series but the foundation of all. It is the terminus where the chain of causality ends. It is uncaused, independent, , self sufficient and necessary. And it also serves as the Ultimate Explanation to the totality of all contingent existence, this explanation is what we refer to As GOD.

2024 T-20 World Cup ABHIJIT SAHA B-TECH (CSE), 1st year

কমেন্টি বক্স থেকে চিঃকার
ভেসে আসছে লং অফ..., লং
অফ ..., লং অফ .. সঙ্গে
সঙ্গে সুর্যকুমার যাদবের দুর্দল
ক্যাচ। আউট
হলেন মিলার। উৎসব শুরু
ভারতীয় ড্রেসিংরুমে। কারণ
17 বছর পর তাদের আবার
কুড়ি ওভারের বিশ্বকাপ জয়ের
স্বপ্ন পূরণের
কাছাকাছি নিয়ে এসছে এই
একটি ক্যাচ। এবং হলো ও
তাই। ভারতীয় সময় রাত
11:40 মিনিট। হার্দিক এর
শেষ ওভারের শেষ বলটা
কোনোমতে সিংগল নিয়ে এই
বারের মতো বিশ্বকাপের
ফাইনাল হেরে গেল দক্ষিণ
আফ্রিকা দল। ভারতীয় দল
জয়ী হলো মাত্র 7 রানে।
তবে এই ফাইনাল ম্যাচটি
জেতা মোটেই সহজ ছিল না
ভারতীয় দলের কাছে। প্রাণপন
হাঙ্গাহাঙ্গি লড়াই করে ম্যাচ
জিতেছে
ভারত। দক্ষিণ আফ্রিকার
বিরুদ্ধে টসে জিতে শুরুতেই
ব্যাটিংয়ে আসে ভারত। শুরু

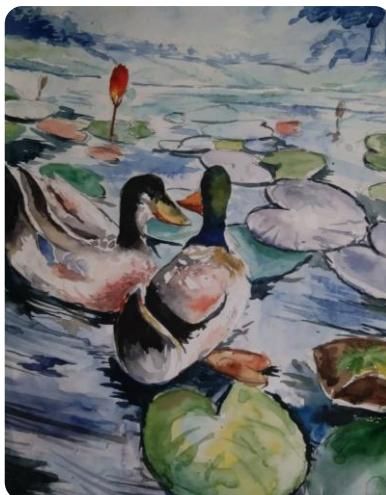
টা ভালো করলেও দ্রুত
অধিনায়ক এর
উইকেট হারায় ভারত।
অধিনায়ক রোহিত শর্মা করেন
৩ বলে ১ রান। কিন্তু লক্ষ্য
এ অবিচল ছিলেন বিরাট
কোহলি 76(59)। তিনি তার
সঙ্গী অক্ষর প্যাটেল
47(31)কে নিয়ে লড়াই
চালিয়ে যান। এবং 176
রানের লড়াকু স্কোর দাঁড়ি
করায়। কিন্তু জবাবে ব্যাটিংয়ে
নেমে
দ্রুত উইকেট হারায় দক্ষিণ
আফ্রিকা। কিন্তু প্রোটিয়া
ব্যাটার হেনরিথ ক্লাসনের
52(27) ঘোড়ো ব্যাটিং এ
ঘূরে দাঁড়ায় দক্ষিণ
আফ্রিকার দল। অক্ষর প্যাটেল
এর এক ওভারে ২৪ রান তুলে
দক্ষিণ আফ্রিকাকে ম্যাচে
ফেরান তিনি। কিন্তু পরের
ওভারের প্রথম
বলেই এই প্রোটিয়া ব্যাটার কে
ফেরত পাঠিয়ে ভারতকে ম্যাচে
ক্ষেত্র অলরাউন্ডার হার্দিক
পাণ্ডিয়া। এরপর বুমরাহ,
অশন্দীপ এবং

হার্দিক এর আগনে বোলিং এর
সামনে 169 রানে থামে দক্ষিণ
আফ্রিকার ইনিংস। শেষ
অবধি ৭ রানে জিতে বিশ্বকাপ
ঘরে তোলে
ভারত। এই ম্যাচ জেতার পর
গোটা ভারতবাসী জয়ের
আনন্দে মেতে ওঠে। এটি
রোহিত শর্মার অধিনায়ক
হিসেবে প্রথম বিশ্বকাপ জয়
। এবং ভারতের দ্বিতীয় কুড়ি
ওভারের বিশ্বকাপ। ১১ বছর
পর আইসিসি টুর্নামেন্টের শাপ
মুক্তি ঘটে ভারতের। ২৩
এর বিশ্বকাপ
এর ফাইনাল হারের ক্ষততে
কিছুটা প্রলেপ এই বিশ্বকাপ
জয়। সমর্থকদের মনে খুশি
এনে দেয় এই বিশ্বকাপ।
অভিনন্দন জানাই

ভারতীয় কিন্টেট দলকে
এরকম একটি জয় উপহার
দেওয়ার জন্য



Priya Pal
B.TECH (CSE) 1st Year



Priya Pal
B.TECH (CSE) 1st Year



Swaha Roy
B.TECH (CSE) 3rd Year

TRAVELOGUE

MACHINAGE 3.0

In The Heart Of Mithila

(A journey though Bihar's cultural soul)

NAMRTA RANI

B-TECH (CSE), 1st year

There are places on the map and then places that live in Stories, songs and centuries traditions. Mithila, in the northern part of Bihar A land steeped in art, spirituality and history.



Exploring the Art of Mithila:
One of the most delectable aspects of Mithila is its art, particularly the famous Madhubani. These Sophisticated artworks, characterized by vibrant colour and detailed patterns, often delineate mythological themes, nature, and daily. A visit to the local artists 'workshops' in Madhubani is a must.



We know, as the cultural capital of Mithila is Darbhanga it is town of calmness, the echo of Maithili poetry in air , Mango orchard and palace of there are the Raj, the majestic palace complex that once house the royal family. Though time has taken its toll on the structure ,the grandeur still whispers stories of a glorious past. Walking through its arched corridors and sprawling gardens, it was easy to imagine the royal processions and cultural gatherings that once took place here.



Janki Mandir in Sitamarhi, believed to be the birthplace of goddess Sita. The temple of architecture the chanting of hymns, and the faith of devotees crated an atmosphere of devotion



But a travelogue is never complete without food. The Mithila cuisine surprised and satisfied us in equal measure. From the spicy litti chokha to the sweet and soft malpuas, every meal was a festival of flavors. And of course, the hospitality of the locals made everything taste even better.



Mithila isn't just a place ; its a feeling A place where art sweet faith and stories breathe through generation

SKETCH

MACHINAGE 3.0



Snehendu Barman
B.TECH (ECE) 1st Year



Arpan Dey
B-TECH (EE), 4th year



Shayan Ghosh
B-TECH (CSE), 2nd year



Mitali Das
B.TECH (CSE) 1st Year



Jhili Majhi
B-TECH (CSE), 2nd year



Susmita Mandal
B-TECH (CSE), 3rd year



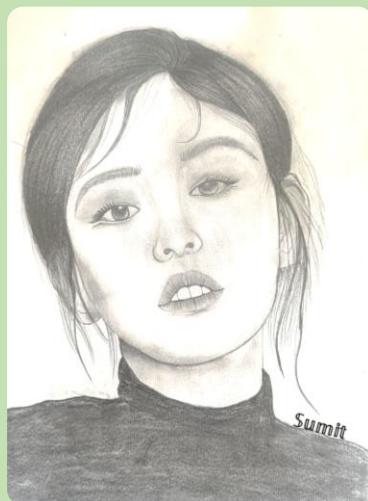
Swastika Mondal
B.TECH (CSE) 2nd Year



Satarupa Das
DIPLOMA(CST) 1st Year



Sumit Kumar Ghosh
DIPLOMA(CE) 2nd Year



Pinki Gupta
DIPLOMA(EE) 2nd Year



Dipu Bala
DIPLOMA(CST) 1st Year



Ankit Das
DIPLOMA(EE) 1st Year



Sovon Chakraborty
DIPLOMA(ME) 1st Year

3rd Edition May 2025

**E
N
H
A
N
G
E
R
I
N
G
I
N
D
U
S
T
R
Y**

Abacus Institute of Engineering & Management

A joint venture of JIS Group & Techno India Group



JIS GROUP
Educational Initiatives



Natungram, Mogra, Hooghly, W.B. - 712148