TECHNO TIMES

VOLUME 1

MAGAZINE COVER

CONTENTS

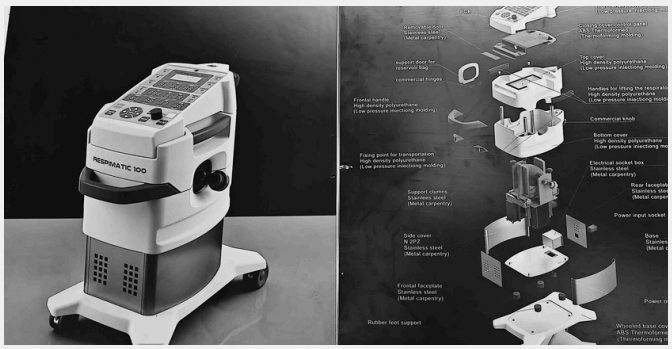


TABLE OF

Revolutionizing Healthcare

~ Dr. Vivek Jain

In the midst of the COVID-19 pandemic at its peak, world witnessed a critical ventilator shortage, Dr. Vivek Jain and his team decided to create a low-cost yet effective solution. Dr. Jain, a specialist in embedded systems and digital signal processing, has been associated with Techno since 2010. His rich experience in microcontrollers and automation helped him to create a low-cost, fully controlled ventilator, providing a life-saving option for resource-poor hospitals.

The main aim of this project was to provide advanced medical devices within reach and affordability. Unlike the traditional ventilators, which have hefty price tags, Dr. Jain and his team aimed at designing a machine that maintained the key features of high-end machines while keeping the price much lower. Ventilators usually cost ₹15-20 lakh, which is not affordable for most hospitals and people. The ventilator designed by Dr. Jain's team maintains all the key features of high-end models but at a much lower price. It is PID-controlled, which means it automatically adjusts airflow in response to sensor feedback to provide accurate oxygen delivery to the patient.

As an artificial lung, the ventilator supports patients with breathing problems. It uses a PID (Proportional-Integral-Derivative) control system, which constantly monitors airflow and adjusts it according to the needs of the patient. By using sensor feedback technology, the ventilator responds in real time to shifting conditions to provide a more efficient and safe breathing experience for patients. A ventilator simulates the natural operation of human lungs. Lungs normally take in oxygen and release carbon dioxide on their own. But with serious respiratory disease, patients lose the capacity to breathe on their own. The ventilator is a mechanical assist device, delivering air and oxygen into the lungs and helping with exhalation as needed.

Building a complete ventilator under short notice presented huge challenges. The team spent six months perfecting the initial prototype. Some of the biggest technical challenges involved adjusting the torque to create accurate airflow volume for specific patient conditions. Medical professionals' input was crucial in solving these problems, as their recommendations helped bring the device's capabilities in line with practical hospital demands.

In addition, engineering students from various fields were actively involved in the testing and development process. Not only did their participation help improve the ventilator, but it also gave them valuable hands-on experience in addressing real-world problems

Dr. Jain promotes an applied, product-based philosophy towards engineering education. In his opinion, students should concentrate on projects with direct societal applications rather than sticking to abstract learning. This ventilator project illustrates how engineering knowledge and research can lead to life-saving medical innovations.

Today, the ventilator is in clinical trial readiness and waiting for government clearances. After certification, it can be implemented in hospitals, home care facilities, and emergency applications. In addition, its cost makes it an internationally viable option, especially to underdeveloped nations where access to ventilators is still limited.

By making ventilators cheaper and more accessible, Dr. Jain's innovation has the potential to transform emergency healthcare. His achievement is an **inspiration to young medical professionals and engineers**, showing the potential of technology in solving real-world problems and saving lives.

ENCOURAGING INNOVATION AT TECHNO

At TECHNO, students are full of creative ideas and a desire to make them happen. With the global economy moving towards a skill-based economy, developing creativity and technical skills has become a necessity. Though the path from idea generation to implementation is challenging, the returns are enormous.

Most first-year students have great ideas but lack execution skills because of time limitations and academic pressures. Efficient time management is the solution to these challenges. At first, it might be challenging to work on an idea, but as a routine rhythm is set, productivity is inevitable.

Overnight success does not come; it is created through resilience and constant learning. With increasing technological upgradations, domain areas like website design, cloud computing, and ERP system design provide huge career opportunities. Students are already working on real-world projects, concurrently sharpening their skills and targeting market needs. This experiential learning not only boosts technical skills but also gets students ready to tackle industry challenges.

TECHNO has become a breeding ground for startups. Many startup ideas have been conceived from interactions among students of different departments. For instance, a civil engineering student proficient in AutoCAD and SolidWorks can create 3D models that are value additions to the construction process. Similarly, interactions between EC and CSE students have resulted in startup successes.

The entrepreneurial process is like a river flowing through mountains–it faces challenges but ends up taking its path. At first, the workload itself might prove daunting, but determination brings outstanding achievements. Numerous TECHNO students have turned their concepts into successful startups by facing challenges and constantly perfecting themselves.

An engineering college must be more than just a degree-granting organization; it must shape professionals who possess problem-solving skills. Employers in the current competitive employment market value skills over grades. Employers need candidates who can easily fit into existing projects without the need for long training sessions.

SANDEEP BHADURI, A VETERAN INDUSTRY PROFESSIONAL AND A PROMINENT PERSONALITY AT TECH-MEDICAL, IS THE EPITOME OF INNOVATION AND DETERMINATION. WITH MORE THAN 32 YEARS OF EXPERIENCE IN AUTOMATION, PROCESS DESIGN, AND QUALITY CONTROL, HE STRESSES THE NEED FOR PRACTICAL EXPERIENCE IN CREATING SUCCESSFUL CAREERS. HIS EXPERIENCE IN OBTAINING PRODUCT LICENSES, MANUFACTURING PROCESS DESIGN, AND PREDICATE DEVICE IDENTIFICATION HAS PLAYED A CRUCIAL ROLE IN PROPELLING CUTTING-EDGE TECHNOLOGICAL SOLUTIONS.TECHNO'S DYNAMIC ENVIRONMENT ALLOWS FOR CREATIVITY, INNOVATION, AND COLLABORATION. THROUGH CHALLENGING THEMSELVES, REFINING THEIR EXPERTISE, AND TAKING THE INITIATIVE, STUDENTS ARE ABLE TO TURN THEIR CONCEPTS INTO REAL PRODUCTS AND THRIVING ENTERPRISES. WITH THE MENTORSHIP OF SEASONED EXPERTS AND A COMMUNITY OF SUPPORTIVE LEARNERS, TECHNO REMAINS A CENTRE OF INNOVATIVE TECHNOLOGICAL BREAKTHROUGHS, EQUIPPING STUDENTS TO MAKE A LASTING DIFFERENCE IN THE FIELD.

TRUST ME BRO :

THE GREAT COLLEGE CALENDAR MYSTERY: FUN ON HOLD OR PLOT TWIST INCOMING?

Ladies and gentlemen, party animals, tech enthusiasts, and sports buffs—fasten your seatbelts because this semester's schedule is playing harder to get than your crush who only replies with "hmm," leaves you on seen, and then posts a story with "feeling blessed." Just when we thought we had something special planned—bam! The Freshers' Party on March 8 got postponed faster than your chances of getting a text back. And if that wasn't enough heartbreak, the Tech Jalsa and Sports Week are now caught in a web of uncertainty

At this point, even Bollywood plot twists seem predictable compared to our event schedule.

. One day, we're gearing up for a rocking party, the next, we're staring at a blank calendar with a single event confirmed—EXAMS! (because, of course, exams are the only thing that never gets postponed). It's almost as if the universe looked at our happiness and said, "Beta, ab zyada ud mat, neeche aa ja."

Now, before we go into full-on detective mode trying to find the culprit behind these schedule shifts, let's take a deep breath. The reality is, organizing a grand event isn't as easy as copying assignments five minutes before submission. A lot of planning, approvals, and coordination go into making these events a success, and sometimes, things just don't go as planned. So, while the Freshers' Party and other festivities are momentarily on hold, it's not a CANCELLATION –just a plot twist.

Yes, you heard it right! From **MARCH 16,** we will be diving headfirst into mid-term exams—the uninvited guest that crashes our party plans every semester. It's like expecting a thrilling IPL final but getting a rain delay instead. Even SRK's comeback in Bollywood was faster than our event approvals. And let's be honest, the only thing more unpredictable than Rajasthan's summer weather is our event schedule right now.

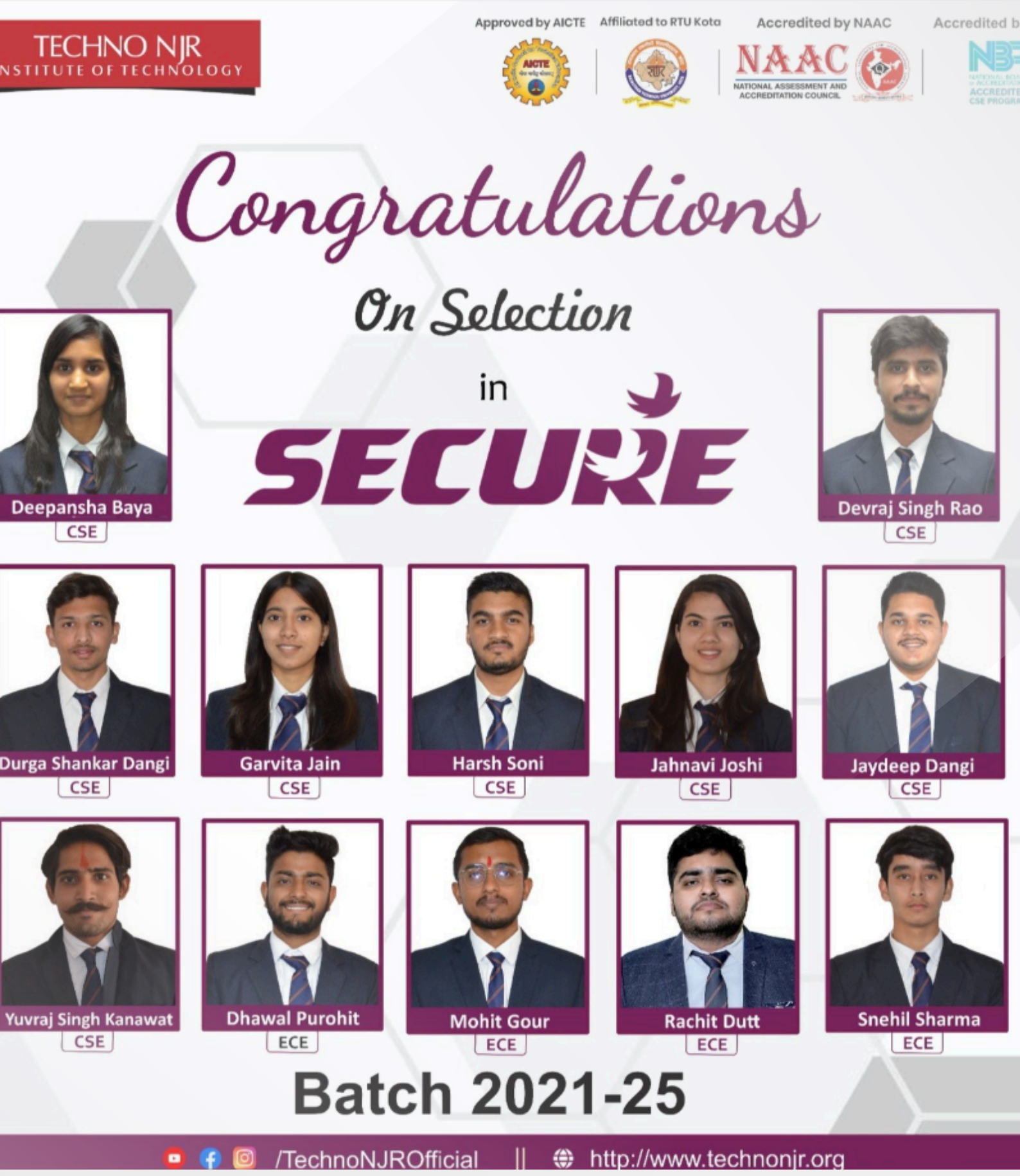
But wait, don't lose hope just yet! There's a glimmer of possibility (or should I say, "light at the end of the exam tunnel")

After the mid-terms, whispers of a rescheduled Freshers' Party are floating around, along with the potential resurrection of Tech Jalsa and Sports Week. Will they actually happen? Will we finally get our dose of fun and excitement? Or will we be left clinging to rumors like students holding on to grace marks? Cue suspense music.

Right now, we are all living the classic student dilemma–"Padh bhi lo, kya pata kal ho na ho." But let's stay positive! If there's one thing we know for sure, it's that good things take time. And when these events do happen, they'll be bigger, better, and worth the wait!
For now, all we can do is wait, speculate, and keep our fingers crossed tighter than a WiFi password at a hostel. Meanwhile, if anyone dares to ask about the status of these events, just flash them your most confident look and say:

"SOURCE : TRUST ME, BRO."
So, stay tuned, stay hopeful, and most importantly–stay ready to party... whenever that may be!

TECHNO TALENT & TRIUMPHS



SOUL & SCRIBBLES

FLUTUR✨🦋

I WISH WE WERE BUTTERFLIES,
FLUTTERING AROUND THE BLOOMS,
BATHING IN SUNLIGHTS,
YOUR WINGS AGLOW WITH ETHEREAL HUES.

IF WE WERE BUTTERFLIES,
I'D TREASURE EVERY FLEETING MOMENT-
BE IF A WEEK, A DAY, OR THE BLINK OF A HEARTBEAT,
AND MAKE THOSE DAYS
LIGHTER, BRIGHTER,
MORE JOYOUS THAN THE FIFTY YEARS WE CALL A LIFETIME, FOR
OUTLASTING THEIR EPHEMERAL DANCE.
FOR IN THE DANCE OF BUTTERFLIES,
TIME IS NOT COUNTED IN YEARS,
BUT IN THE BEAUTY OF SHARED FLIGHTS
AND THE WARMTH OF A SINGLE FLOWER...

📜 Poetess: ASHIKA RATHORE, 1st Year

💭 What's it about?

"Flutur" isn't just a poem—it's a heartbeat. A love story measured in moments, not years. It's about living fast, loving deep, and making every second glow.

🔥 Why it stays with you:

Butterflies > Beauty that doesn't beg to last.

Soft, golden imagery > Love that feels like sunlight.

A whisper of time >A reminder that short doesn't mean small.

💡 The feeling > Pure, weightless freedom. Like flying, even if just for a moment.

ART & CULTURE SPOTLIGHT:

PICASSO'S WEEPING WOMAN

FRACTURED REALITY 🎭🔥

💔LOVE. CHAOS. AWAKENING.

🖌️BY: [HIMANSHI , 1ST YEAR]

📍 WHERE: [STUDIO ROOM]

🎨 MEDIUM: ACRYLIC & SPRAY PAINT

📏 SIZE: 6 FT X 4 FT

Think of Picasso's Weeping Woman—a face in pieces, yet full of raw emotion. Love, too, is like that—beautiful, fragile, unforgettable

This mural doesn't just catch your eye—it grabs you by the soul. A face, shattered like a broken mirror, emotions spilling in bold greens, reds, and golds. It's chaos and clarity, beauty and distortion—all at once. It makes you feel like you're witnessing a person mid-breakdown, mid-awakening—eyes wide, lips torn, an expression screaming a thousand emotions at once. You don't just see this piece. You feel it. And once you do, you can't look away.

GLENN PHILLIPS: THE FLYING KIWI

"I've been given a genetically prime body; it's my responsibility to use it well.

We all know kiwis don't fly, but there's one Kiwi who defies all logic—Glenn Phillips. The man who bends the laws of physics, takes airborne screamers, and leaves both batsmen and spectators in absolute shock. Unlike some cricketers (cough Pakistan fielders cough), who struggle to even bend down to stop the ball, Phillips is a one-man highlight reel.

THE UNSUNG HERO :

While some players chase personal milestones and padded stats, Glenn Phillips plays for one thing: his country. No stat-padding, no selfish knocks—just pure, relentless cricket. He can bat, he can bowl, he can keep wickets, he can field anywhere, and most importantly—he can fly.

Other cricketers: "I bat."
Glenn Phillips: "Hold my protein shake."

A GAME-CHANGER IN EVERY ASPECT :

Power-Hitting Extraordinaire

Phillips is every bowler's worst nightmare, especially if you happen to be wearing a Pakistan jersey. From reverse scoops over the keeper's head to sixes that travel out of the stadium, this man bats like he has a personal grudge against cricket balls.

Remember his 25*(7) in the IPL? The game that was "over" until he decided it wasn't? Yeah, Phillips doesn't do conventional. He just walks in, smashes bowlers into orbit, and casually walks out like it's just another Tuesday.

He also holds the record for one of the fastest T20 centuries by a New Zealander, proving that when he's in the mood, no bowling attack is safe. His strike rate in death overs is among the highest in world cricket, making him a match-winner in pressure situations.

THE HUMAN AIRPLANE : FIELDING MASTERCLASS

IF THERE'S ONE DEPARTMENT WHERE PHILLIPS IS IN A LEAGUE OF HIS OWN, IT'S FIELDING. HE DOESN'T JUST SAVE RUNS–HE TURNS THE COURSE OF MATCHES WITH HIS SUPERHERO-LIKE ATHLETICISM.

- SUPERHUMAN REFLEXES – TAKES CATCHES THAT REQUIRE SLOW-MOTION REPLAYS TO BELIEVE.
- UNMATCHED SPEED – COVERS MORE GROUND THAN SOME ENTIRE FIELDING UNITS.
- FEARLESS COMMITMENT – THROWS HIMSELF AT THE BALL LIKE IT OWES HIM MONEY.

Fun Fact: Glenn Phillips once took a catch so outrageous that even gravity filed a complaint against him.

During a CPL match, he took a boundary-line catch that defied logic, flicking the ball back into play mid-air before diving back in to complete the grab. Fielding coaches worldwide still use that clip as an example of how to break physics.

BOWLING: THE UNDERRATED X-FACTOR

If the ICC had a sense of humor, they'd ban Glenn Phillips from being classified as a "wicketkeeper-batsman." Because guess what? He also bowls! And not just "part-time, let-me-just-roll-my-arm-over" bowling—he actually gets wickets. Remember the Champions Trophy? The man took crucial wickets, including two in the semi-final against South Africa. If that's not an all-rounder, then I don't know what is.

What makes his bowling even more deceptive is his ability to bowl off-spin and seam-up deliveries in the same spell. One moment, he's spinning it past the bat; the next, he's zipping it in like a medium-pacer.

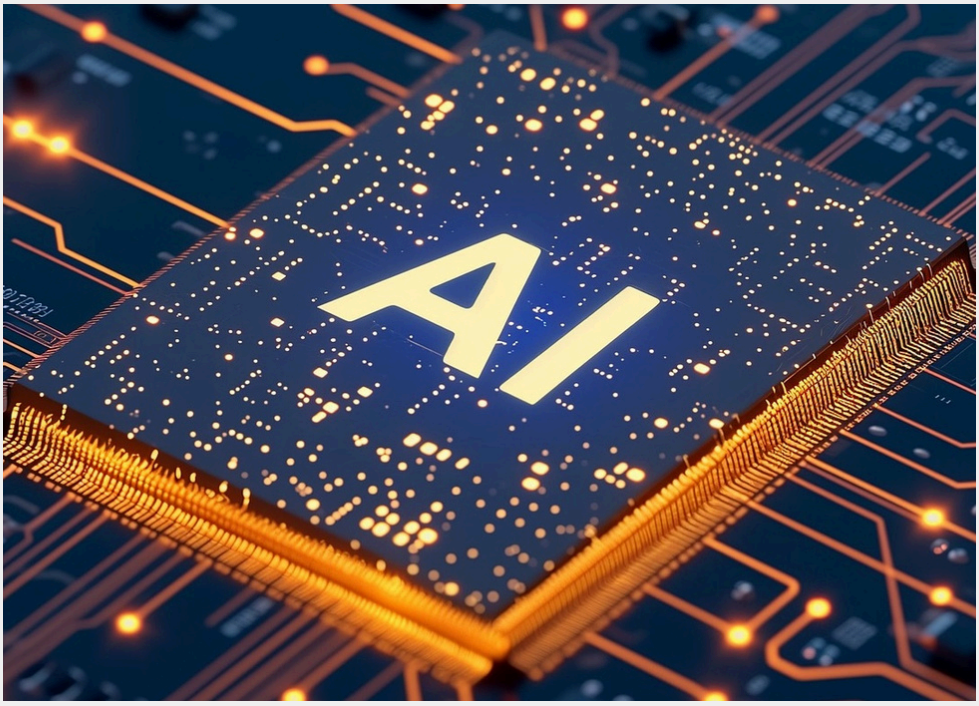
A ROLE MODEL FOR YOUNG ATHLETES

Glenn Phillips isn't just a cricketer—he's an inspiration. His story teaches us that raw talent is great, but sweat, sacrifice, and relentless effort are what create legends.

Young cricketers dream of being the next Virat Kohli or the next MS Dhoni. But if you're looking for the perfect mix of power, passion, and athleticism—you might want to start dreaming of being the next Glenn Phillips.

Moral of the story? Never count New Zealand out as long as Glenn Phillips is on the field. He might just fly in, break physics, and change the game in the blink of an eye.

AI: THE OVERACHIEVER THAT STILL CAN'T THINK FOR ITSELF



Artificial Intelligence. The tech world's favorite buzzword. It's in everything—your phone, your car, your "recommended for you" section that somehow knows you better than your friends. It's fast, powerful, and honestly, a little scary. But here's the thing—does AI actually think, or is it just a glorified copy-paste machine with better marketing?

AI: SMART, BUT IN A CHEAT-SHEET KIND OF WAY

You know that one kid in class who never actually understands anything but still scores the highest just by memorizing past papers? That's AI.

ChatGPT? Basically a really advanced predictive text.

DALL·E? Photoshop's overachieving cousin.

Self-driving cars? GPS with commitment issues.

AI isn't "thinking" in the way we do. It's just absurdly good at recognizing patterns and pretending to be smart. Ask it something deep, and sure, it'll generate a long, fancy response. But does it know what it's saying? Nope. It's like a parrot that learned to recite Shakespeare—it sounds impressive, but it has no clue what those words mean.

AI AND CREATIVITY: THE GREAT IMITATOR

ONE THING AI STILL SUCKS AT? CREATIVITY.

Yeah, I know—AI can generate poems, scripts, even music. But let's be real: most AI-generated stuff feels slightly off. It's like eating a burger from a fancy restaurant and realizing they secretly used tofu instead of meat. The structure is there, but something's missing.

Real creativity isn't just putting words together—it's about feeling something. It's about waking up at 3 AM with a random idea, overthinking it for hours, and turning it into something unique. AI doesn't have that. It doesn't get nervous before hitting "send," it doesn't have weird shower thoughts, and it definitely doesn't suffer from creative burnout.

That's why, no matter how advanced it gets,

AI will always be a remix machine, not an artist.

So...Are We Doomed or Nah?

AI isn't taking over the world (yet). But it is changing how we work, learn, and create. The real danger isn't AI getting too smart—it's people getting too dependent on it.

AI can help you write, but it can't think for you.

AI can generate jokes, but it doesn't understand humor.

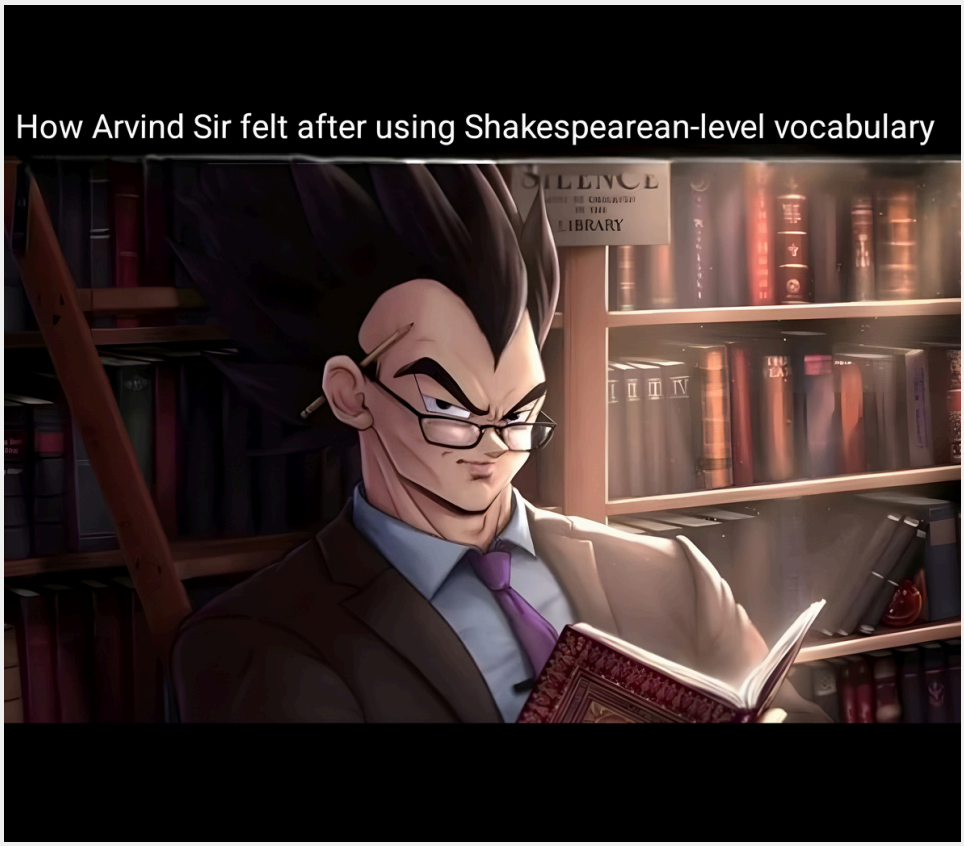
AI can simulate emotions, but it doesn't feel anything.
At the end of the day, AI is just a very fancy tool. And like any tool, it's only as powerful as the person using it.

Final Thought: AI Isn't the Main Character — We Are

AI is cool. AI is fast. AI is also kinda dumb in its own way. But the worst mistake we can make? Thinking AI is the main character of the story.
News flash: It's not. We are.
Now, let's just hope AI doesn't read this and decide to prove us wrong

MEME CENTRAL:


*VYAS SIR
1st year thinking they
will have college events
mid term exams
*VYAS SIR

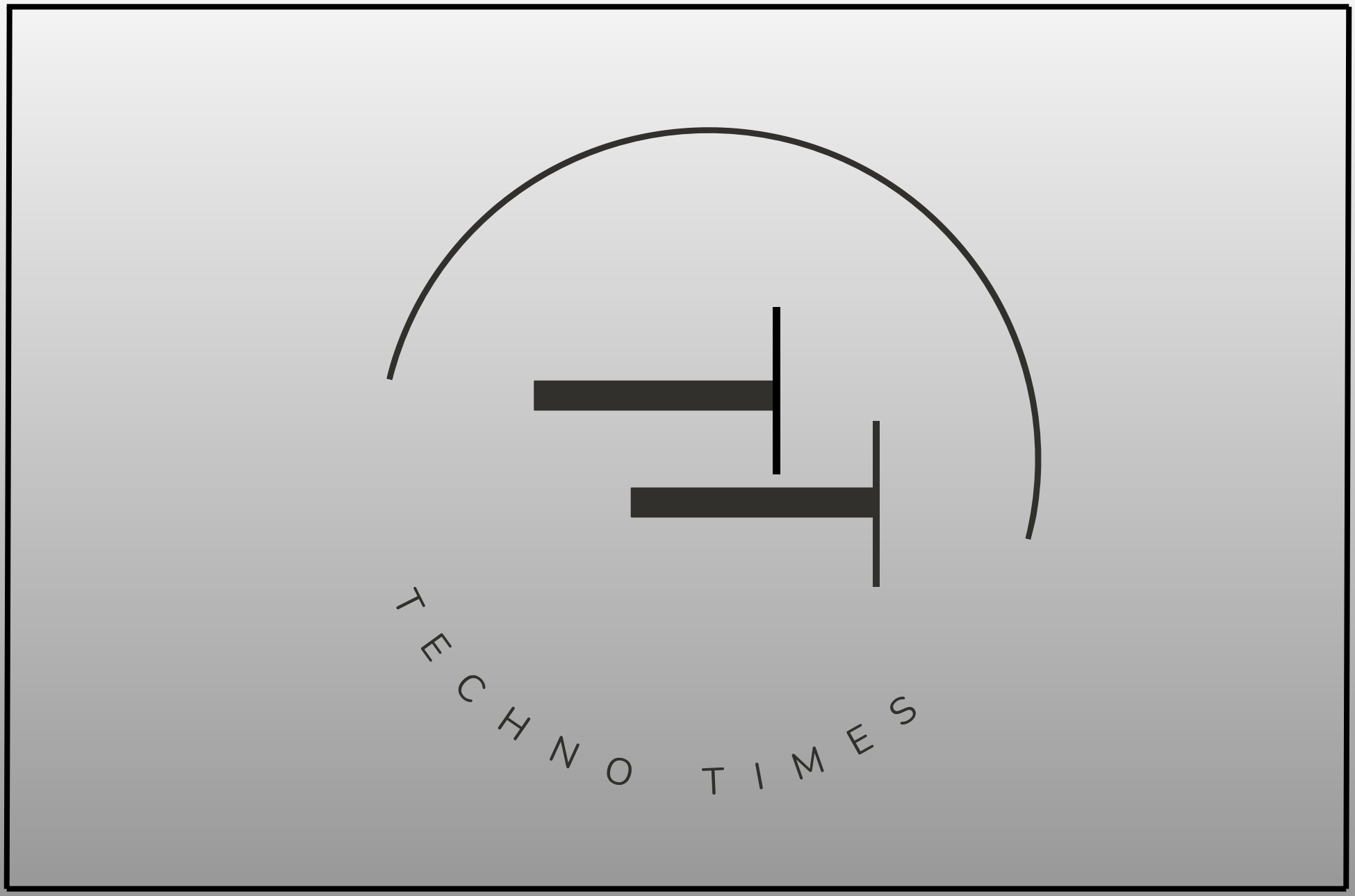

How Arvind Sir felt after using Shakespearean-level vocabulary
LIBRARY

EDITOR'S NOTE

Bringing this edition to life has been an incredible journey. Each page reflects our passion for storytelling, innovation, and knowledge-sharing. We hope our readers find inspiration, insights, and motivation within these pages. A heartfelt thank you to our contributors, mentors, and readers who continue to support our vision. This is just the beginning—many more creative editions lie ahead!

TEAM (1ST YEAR SECTION C)

- TANMAY JAIN
- JAINIL SHINGHVI
- UNMESH JOSHI
- YUVRAJ SEN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