

MRSPTU | GZSCCET

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# CAMPUS PULSE



MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY  
&  
GIANI ZAIL SINGH CAMPUS COLLEGE OF ENGINEERING &  
TECHNOLOGY, BATHINDA



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# INTRODUCTION

At Giani Zail Singh College and Maharaja Ranjit Singh Punjab Technical University, we are leaders in both academic achievement and technological innovation. Since its founding in 1989 and 2015, our university has been committed to developing the next generation of scientists, engineers, and inventors who will influence global industry. With cutting-edge facilities, a strong and diverse faculty, and a curriculum that prioritizes experiential learning, we enable our students to push the limits of what is thought to be possible.

Our campus, which is just outside of the city, is a thriving center of innovation and teamwork where students from many backgrounds join together to address pressing issues. Our programs, which cover topics like robotics, artificial intelligence, renewable energy, and cyber security, are meant to provide students the abilities and information they need to succeed in a rapidly changing technological environment.

Come learn about the most recent discoveries, ground-breaking studies, and motivational tales from our network of academics and creatives. The possibilities at MRSPTU are endless, and the future is bright.







# OUR NEW VISIONARY LEADER



*With great pride, we extend a heartfelt welcome to our new Vice Chancellor.  
Your guidance will shape a brighter, stronger future for our academic community.*





# Prof. (Dr.) Sanjeev Kumar Sharma

Vice Chancellor  
MRSPTU Bathinda



It gives me immense pleasure to convey my warm greetings to all readers on release of 3<sup>rd</sup> edition of CAMPUS PULSE: An E-Magazine of our Campus. This publication reflects the vibrant intellectual and creative spirit that defines our university community. It serves as a platform for Faculty, Staff, Alumni and the students to express the ideas, showcase their talents and achievements.

In today's dynamic world, education extends beyond classrooms and laboratories. It is about nurturing curiosity, creativity, and character. Contributions through writing, innovation, and social engagement reflect the values of knowledge, integrity and service that our institution upholds and nurtures.

It is our humble request to use this platform enthusiastically by sharing articles, creative writings, ideas, futuristic trends and vision for our collective growth and synergistic gains.

I extend my heartfelt appreciation to the editorial team for their effort in bringing out this edition. May this magazine continue to inspire every reader to think critically, act responsibly and dream boldly.



# FRAMING HERITAGE THROUGH NATURE: AN ECO-CONSCIOUS INSTALLATION

## A CAMPUS FULL OF POSSIBILITIES

The Maharaja Ranjit Singh Punjab Technical University is known for its green and vibrant campus, where innovation in Architecture and Art meets the energy of students from across Punjab, India, and even the world. The infrastructure is impressive, but during my walks through the campus, I noticed something missing: Sculptures and Installations that could give physical form to the creative spirit thriving here. That realization led me to create an Installation artwork that would celebrate both culture and sustainability while transforming the campus space into something alive.

## BEYOND TRADITIONAL SCULPTURE

Installation art is a transformative practice that moves beyond the limits of traditional sculpture. It does not stop at stone, metal, or wood. Instead, it embraces painting, sound, video, performance, and space to create immersive experiences. Unlike static, object-based sculptures, installation art turns the viewer into an active participant, engaging them in dialogue with the artwork.



**DR. RATAN KANWAR**  
ASSISTANT PROFESSOR  
(FINE ARTS)  
G.Z.S. SCHOOL OF ARCHITECTURE  
AND PLANNING

**“INSTALLATION ART TURNS VIEWERS FROM SPECTATORS INTO PARTICIPANTS.”**



An Installation made by  
**Dr. Ratan Kanwar** (Iron  
wires, cement & concrete)

## THE ROOTS OF INSTALLATION ART

The origins of installation art can be traced to early 20th-century avant-garde movements, later gaining momentum in the 1960s and 1970s with site-specific and conceptual works. Today, it has become an important part of contemporary culture, incorporating digital media, recycled materials, and unconventional resources. Through these experiments, artists highlight pressing themes such as ecology, cultural heritage, and collective responsibility. Installation art now extends beyond galleries into public spaces, natural landscapes, and digital platforms.

**“FROM RECYCLED OBJECTS TO DIGITAL PROJECTIONS,  
TODAY’S SCULPTURES TELL NEW STORIES.”**

## CREATING THE WORK

At my university, I wanted to create an artwork that connected our cultural roots with ecological awareness. My journey began in the nearby forest, where I came across a dry four-foot root. Its organic, flowing patterns resembled animals and birds, as if nature itself had etched a story into it. This root became the heart of my installation. To give it stability, I fixed it onto a strong base of stone and cement.



To build the narrative further, I incorporated wooden blocks, rope, jute cloth, and iron. These natural and raw materials became a canvas for tribal-inspired figures that depicted community life and traditions. On top of the root, I placed an iron wheel to symbolize the endless passage of time. A larger human figure holding a frame stood as the central element, reminding viewers of the importance of preserving heritage for the future.



### A CAMPUS TRANSFORMED

The entire work was completed in just 15 days, and when placed on campus, it transformed the environment. Students, teachers, and visitors no longer saw it as just a sculpture it became a space for conversation, reflection, and collective meaning.

**“IT DOESN’T JUST SIT IN A ROOM;IT TRANSFORMS THE ROOM.”**

### REDEFINING SCULPTURE

Installation art, at its core, redefines what sculpture can be. It replaces permanence with process, object with experience, and spectatorship with participation. By using recycled materials, natural elements, and cultural symbols, my work aimed to spark dialogue between art, ecology, and society. It was not just about building an installationit was about creating a living connection between nature, heritage, and community. My student Mr.Jagmeet Singh provided valuable assistance in creating this Installation, and I was motivated by the guidance of University professors Dr. Bhupinder Pal Singh, Dr. Ripu Daman Singh, and Sh. Hardarshan Singh Sohal.

**“INSTALLATION ART IS NOT JUST A FORM OF SCULPTURE; IT’S A REIMAGINING OF WHAT SCULPTURE CAN BE.”**



**“THE TRUE MATERIAL OF INSTALLATION ART IS EXPERIENCE ITSELF.”**



# SMART MANUFACTURING: HOW DIGITAL TOOLS ARE TRANSFORMING SEMICONDUCTOR EQUIPMENT OPERATIONS

When I graduated from Giani Zail Singh Campus (Bathinda) in 2013, manufacturing was still largely driven by paper travelers, isolated spreadsheets, and tribal knowledge. A decade later, the world has changed dramatically, as every industry is moving towards digitalization. Semiconductor equipment—arguably the most complex electromechanical system ever built—is becoming even more sophisticated, especially with the rise of AI chips.

Today's manufacturing engineer is expected to be as fluent in data systems as in mechanical design. Product development cycles are shrinking, leading to shorter transition times from design to manufacturing. This cannot happen overnight and introduces significant operational challenges. In high-mix, low-volume (HMLV) environments, each product build can involve thousands of unique components and frequent design revisions. More design changes may benefit product development, but managing these changes during production cycles across global teams is painstaking.

To bridge this gap, we introduced a Smart MES (Manufacturing Execution System) with a Build Dashboard. This integrated digital workspace connects various systems such as Jira, Confluence, and cloud platforms. Within this integration, Jira serves as the dynamic backbone for tracking, issue management, and real-time progress visualization. Confluence acts as the single source of truth for assembly instructions, drawings, and test records.

Now, by linking these platforms through active links, every user can access the latest revision of each process directly from the webpage without a blind search. On average, document search time was reduced by 80% (to under five minutes). This improvement boosted build quality by guiding the team to only the latest documentation and provided seamless, 24/7 access for global teams working across different time zones.

For engineering students, the message is clear: tomorrow's manufacturing engineer must think like a systems integrator. Understanding digital tools such as Jira, MES, PLM, and data analytics is becoming just as important as mastering core engineering skills.

The next generation of mechanical engineers should view AI not as just a coding skill, but as a design partner—a human assistant. Students are highly encouraged to make use of generative AI, take prompt engineering courses from OpenAI or similar platforms, and start practicing by creating their own AI agents. We are not far from a future with advanced factories and self-learning models, where most tasks will be managed by robots, data will be analysed instantly, and AI will suggest improvements.

“AI turns manufacturing data into decisions, enabling engineers to act before problems arise.”



**JASKARAN SINGH DHIMAN**  
**B.TECH. (MECHANICAL ENGG.)**  
**2009 - 2013 BATCH**



### AHMEDABAD UNVEILED: WHERE THREADS OF CULTURE WEAVE A CITY

Ahmedabad is a city that whispers its secrets through the rustle of silk, the scent of spices, and the symphony of diverse voices. As you step onto its sun-kissed streets, you become part of a living tapestry a vibrant blend of traditions, dreams, and resilience.

**The Guardians of Cleanliness:** Ahmedabad's cleanliness is not just a municipal effort; it is a pact among its people. Communities, like threads, weave together to keep their city pristine. Imagine a mosaic of hands some wrinkled with age, others eager with youth sweeping away yesterday's dust. The streets gleam not only because of brooms, but because of collective pride.

**Spirit of the Chaiwalas:** In the corner chai stalls, you will find the guardians of Ahmedabad's spirit: the chaiwalas. Their kettles bubble with stories of love, politics, and cricket scores. They serve more than tea they offer camaraderie. As you sip your masala chai, you become part of their narrative, a fleeting character in their daily drama.



**AR. PARDEEP SINGH MAAN**  
**BACHELOR OF ARCHITECTURE**  
**BATCH 2001-2006**



**Dada Hari Vav, the 15th Century  
water temple at Ahmedabad**



**Dada Hari Vav, the upside view**

**A Soaked Soul, A Dry City:** Ahmedabad's prohibition on liquor is not merely a legal decree it is a testament to resilience. The city's soul does not thirst for spirits; it craves connection. In the narrow by lanes, you will find nukkad theaters where actors transform into gods, demons, and lovers. The audience, rapt, forgets the world outside. Here, intoxication comes from applause, not alcohol.

**The Melody of Myriad Communities:** As a first-time traveler, you will sense the unity of expression. Jain temples stand alongside Sufi shrines, their spires reaching for the same sky. The pol houses wooden marvels with secret courtyards whisper tales of centuries past. The havelis, adorned with frescoes, guard memories like silent sentinels.

**Bound by Architecture:** It is the architecture that binds them the warp and weft of Ahmedabad's story. Imagine a loom: the warp threads represent tradition; the weft threads represent innovation. The Ikat patterns of old mosques blend seamlessly with the Patola motifs of modern buildings. Each arch, each lattice window, stitches together the past and present.

Khadi: Fabric of Freedom And then there is Khadi the fabric that defied empires. In Ahmedabad, Khadi is not just cloth; it is a hymn to self-reliance. Gandhi's spinning wheel still echoes in its folds. Visit the Sabarmati Ashram, close your eyes, and feel the charkha's rhythm the heartbeat of a nation's struggle.

As you wander, notice the women in vibrant chaniya cholis, their skirts swirling like dervishes. They carry the weight of tradition lightly, their laughter infectious. When you touch the handwoven textiles, you feel the rough texture of history; you touch resilience itself.

Ahmedabad, the Flâneur's Canvas

So, dear flâneur, walk these streets with open eyes. Let the colors seep into your soul the ochre of stepwells, the azure of mosques, the saffron of sunset. Listen to the echoes: the call to prayer, the vendor's bargaining, the rhythm of the tabla player.

And when you leave, carry a piece of Ahmedabad with you a thread of its tapestry. For this city is not just bricks and mortar; it is the warp and weft of countless stories. It is the promise that even in diversity, we can be one a city stitched together by love, resilience, and the magic of handwoven dreams.



***"Tree of Life" of Sidi Saiyyed Mosque at Ahmedabad***





# THE LESSON OF CITY BATHINDA: INDUSTRIAL DISASTER MANAGEMENT 101

Innovation and development have been driving the world, and human intellect is the force behind them. As a result, the city of Bathinda has grown by leaps and bounds. However, seeing the dark skies and cancerous soil and water, many question whether this development was too much, too soon. Every day, a “cancer train” leaves from Bathinda to Bikaner; our grief-stricken hearts wish daily for cancer to leave us for good.

The rising cancer rate has been linked to traces of uranium found in Bathinda’s soil, a result of thermal plants, industrialization, and the use of pesticides. The current state of Bathinda is worrisome and raises two major questions why and how. Why did the boon of industrialization turn into a bane, and how can it be fixed so that a journey of revival may begin?

First, it is important to understand that industrialization itself is not the real problem. Instead, issues arise from industrial waste management, site selection, poor government policies, and little to no regard for safety. Various industries discharge tonnes of waste into Bathinda’s waters. It is claimed that this is treated water, but the “Cancer Train” paints a different picture. The government claims to have checks and balances in place to ensure proper waste disposal, but the troubled rivers tell another story.

The problem does not end there. Once lush farmland, capable of feeding half the world, has now been reduced to venomous soil. Farmers, flooding their land with polluted water and chemical fertilizers, are also part of the problem knowingly or unknowingly bringing poison to our plates through their produce.

So, the answer to the first question why is improper planning of industries, especially regarding waste treatment, along with an unsustainable agricultural model. Now that we have addressed the 'why', the focus shifts to the 'how'. How can the damage be reversed? How can the land be restored, leaves turn from brown to green, and rivers shift from dark green to nature’s blue?

As a concerned citizen, I urge that serious measures are needed to ensure these changes actually take place. As an aspiring architect, I suggest establishing proper waste treatment plants and septic tanks, complete with separate docking stations for transporting treated waste to safer dumping grounds or at least to allow for further treatment elsewhere.

As for the damage caused by agricultural practices, the solution is relatively simple and may go a long way. It is often said that, in the most desperate times, mother nature provides. Sunflower plantations could be the answer we have been anxiously seeking. Sunflowers have the power to cleanse the environment of heavy metals and even radioactive waste. After the nuclear disasters at Fukushima and in Ukraine, sunflowers improved the affected environments by 95% in just ten days.

In my humble opinion, nature and industry must both be promoted in a balanced way it is a fine line to walk. Bathinda provides an important lesson for both the government and industrialists, if they are willing to learn it. Otherwise, current forms of development will prove to be a poisoned chalice, and we will have turned gold into dust.



**PARAM GURSANG KAUR SRAN**  
**B.ARCHITECTURE**  
**2023 BATCH**

# “WHY THE WORLD NEEDS MORE WOMEN IN HEAVY ENGINEERING FIELDS”

When one walks into any heavy engineering plant, he senses — the hum of machines, the clang of metal, and the unmistakable scent of grease — and you’ll likely find very few women in sight. But here’s the irony: the world’s biggest problems in mechanical and industrial engineering desperately need a woman’s touch. And no, not the “decorative” kind — the innovative, empathetic, and fiercely logical kind that turns bolts and ideas with equal precision.

Mechanical engineering is no longer about brute force and steel shoes; it’s about smart design, efficient systems, and sustainable solutions. With automation, AI, and robotics redefining the shop floor, the industry now thrives on creativity and collaboration — areas where women often excel. Their ability to balance logic with empathy makes them exceptional in user-centric design, safety engineering, and sustainable product development. After all, empathy helps engineers think beyond machines and focus on the people who use them.



**SHABNAM**  
**B.TECH(MECHANICAL)**  
**BATCH : 2022**

And let’s be honest — a woman mechanical engineer in a hard hat is more than a symbol of empowerment; she’s proof that intelligence, humour, and determination can coexist with hydraulic presses and CAD models. We need more of them not just to fix machines but to re-engineer the culture of engineering itself.

Because when women design, they don’t just build better machines — they build better workplaces, better solutions, and a better world. And maybe, just maybe, they’ll finally remind everyone to read the maintenance manual before blaming the machine.



# THE ILLUSION OF REALITY – SCIENCE, MAYA & NOTHINGNESS

We grow up believing that the world is solid and permanent. Our senses tell us we are touching, seeing, and living inside a stable reality. But the deeper science looks, the more that reality begins to dissolve.

At the atomic level, the solidity we feel is an illusion. Atoms are 99.999% empty space. Their tiny nuclei are surrounded by electrons that never actually touch anything else. What we call “touch” is simply the electromagnetic force repelling our hand from the object we are trying to contact. In truth, no two things ever truly touch.

At the quantum level, even this picture of particles is not final. Quantum physics shows that the basic ingredients of the universe are not solid objects but waves of probability. An electron exists in many states simultaneously, only “choosing” one when it is measured. Schrödinger’s famous cat is alive and dead until the box is opened. Reality at this scale is fluid, uncertain, and strangely dependent on observation.

The second great shock to our view of reality came from Einstein’s theory of relativity. For centuries, space and time were considered absolute and unchangeable. Einstein and many scientists after him showed that time and space are relative, flexible, and inseparably linked.

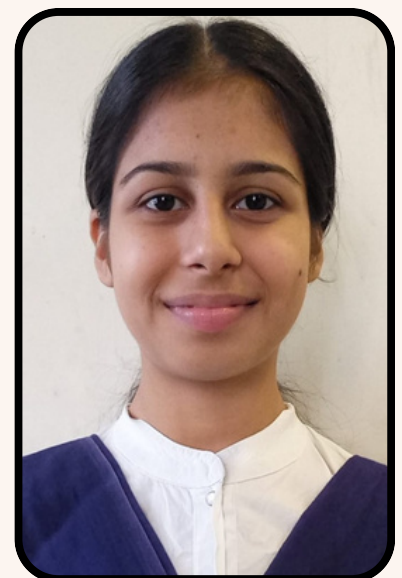
This vision echoes the wisdom of Indian philosophy. The Bhagavad Gita and the Puranas long ago declared that what binds us to the wheel of samsara are three mental constructs: desha (space), kaala (time), and nimitta (causality). According to them, these are not ultimate truths but bonds created by our own minds.

What we see as the “world” is, in fact, a superimposed illusion Maya. The objects we perceive are temporary appearances, just like our bodies. Beneath this impermanence lies our true essence: the Atman, eternal, untouched, and beyond time and space.

Meanwhile, on the largest scale, the universe itself is ruled by entropy the natural tendency of all things to move from order to disorder. Stars burn out, galaxies fade, and eventually all matter and energy may dissolve into a featureless “heat death”. In this sense, everything we know is moving toward nothingness.

And yet, within this apparent emptiness, something extraordinary emerges: consciousness itself. We, who are mostly empty space and fleeting quantum patterns, are able to ask these questions, love, create, and meditate. Perhaps this is the true meaning of Maya that in a world which is ultimately impermanent, the act of seeing clearly, through science or meditation, opens the door to freedom.

In the end, whether we are “nothing,” moving toward “nothing,” or sparks of awareness in an endless field, the invitation is the same: to wake up, to witness, and to make our brief existence radiant.



**SIMRAN**  
**B.TECH**  
**(COMPUTER SCIENCE ENGG.)**  
**(2025 BATCH)**



# Cultural Events



MRSPTU







# 'Rhythms of Our Campus'







# Chandigarh Alumni Meet '25





# DR. ASHUTOSH KUMAR SINGH

B.TECH, MECHANICAL ENGINEERING

BATCH: 2011



**Q**

**1.Can you share a bit about your current path and experiences since graduating from college?**

My professional journey began in 2015 after graduating from GZS PTU Campus. I started preparing for the GATE/ESE in Delhi, and in the meantime, I received an opportunity for the MHRD IIT-NIT Trainee Teacher scheme. Just a day before, I came to know about the trainee teacher interview at IIT Guwahati, and despite many challenges, I appeared and was selected in 2016. Another phase started during my Master's and PhD at IIT Guwahati, shifting towards the research field, which was completely new to me. Now, I am working as an Assistant Professor in Mechanical Engineering at NIT Manipur, gently progressing in my teaching and research career. Interacting with research scholars and undergraduates, motivating them, and supervising their research, is a wonderful experience.

**Q**

**6. Looking back, is there an achievement from your college days that you now realize was more significant than you initially thought?**

Initially, I came to the college with the thought of enjoyment and decent placements. However, the fear of supplementary/back made me a class topper, and thereafter, I got more inclined towards academics and started looking in a similar direction.

**Q**

**2.How do you feel your alma mater, professors, and the campus environment helped shape your career?**

Academically, I feel it was very systematic and offered a strong foundation in my field, with supportive faculty who were always ready to guide, whether in classrooms, labs, or even during conversations after lectures. Moreover, several techno festivals were organized, which were very refreshing.

**Q**

**4. Can you share one of your most interesting or memorable experiences from your college days?**

In the initial days, it was very difficult for me to search for my own class; for many days, I attended other sections' maths classes. Later, I came to know my attendance was short in my own class. Moreover, reaching weekend classes of Prof. Vivek Kaundal was really tough and also a thrilling experience for everyone in my batch.

**Q&A**

**Q**

**3.What would you consider your greatest professional accomplishment since graduating?**

Working in the academic field in the very first phase of my career, I took three students for the Master's thesis supervision, all three got PhD in old IITs. It was challenging to handle the students leading their research in a new NIT, along with my own PhD work.

**Q**

**5. If you could implement one change on campus today, what would it be?**

The students should get the opportunity to learn new skills, such as training in emerging short courses and software, and academic visits (such as DRDO Labs, ISRO Labs, IITs Labs, and industries), continuously. The library may be ungaraged with modern facilities, and timings can be extended to 24/7. Startup-incubation facilities may be added to shape the ideas of young entrepreneurs of the institute. Additionally, joint B.Tech final year projects with IITs/IIMs/NITs and other reputed foreign universities/industries will be helpful for young faculty as well as students to explore the outside opportunities.

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## ALUMNI STORY

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**Q**

**7. As a distinguished alumnus, in what ways do you see yourself giving back to the college?**

As a person from the academic field, I may help in planning the academic curriculum, upgrading department labs, and motivating fellow students for future career paths.

**Q**

**8. How has the alumni network benefited you, either professionally or personally?**

Connecting with seniors helped me a lot in my career; whenever I got stuck in any phase of life, their suggestions helped me to come out. Actually, seniors were the first source of motivation and help in college, and therefore, are still in touch with many. The college senior/ batch mates network is really wonderful in terms of personal and professional networks.

**Q**

**9. What advice would you offer to current students as they prepare for their future careers?**

First, decide on your goal based on your interests and start working in that direction, whether it is a conventional or a non-conventional field. Never worry about your academic grades; focus on skills and transformation. A small transformation with continuous effort may lead to a remarkable output in the long run.

**Q**

**Describe in one word:**

- 1) Your favorite teacher** - Prof. Rajesh Gupta
- 2) Your favorite meal in hostel** - Chote Bhatura
- 3) Name your crush** - No specific
- 4) Coffee or Tea** - Tea
- 5) Early bird or night owl?** - Night owl
- 6) 9 am class or proxy** - 9 AM class
- 7) Hostel life or day scholar** - Hostel Life
- 8) Extracurricular or academics** - Academics, and Part-time Cricket
- 9) First or last Bencher** - In the middle
- 10) Topper or just passing** - Topper



**Name:** Dr. Ashutosh Kumar Singh

**Course/Branch:** B.Tech, Mechanical Engineering, ME 2K11 (Enrollment: 1145573)

**Batch:** 2011-2015

**Current designation and department:** Assistant Professor, Mechanical Engineering

**Associating with:** National Institute of Technology Manipur, Imphal-795004, India

**Place of work:** Imphal

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**Mobile number:** 8789109835





# ER. ALINPREET KAUR

B.TECH, COMPUTER SCIENCE ENGINEERING

BATCH: 2015



**Q**

**1. Can you share a bit about your current path and experiences since graduating from college?**

Upon completion of 5 semesters of my degree, I worked on my aptitude skills, beginners coding skills (leetcode - easy questions) and public speaking. This helped me badge multiple jobs where Cognizant, Infosys and UST were majors, I chose Infosys. While Infosys were rolling my joining date, meanwhile I went ahead and worked with a small startup as an intern for 4 months, group of 9 people, sat in a basement and code - This was a good kick-start for me. Officially I started my career with Infosys as a software engineer, contributed to the firm for 3.5 years and then moved to JPMorganChase. With JPMC, I am working as a Software Developer-3. My predominant skills add values to front-end development in finance sector.

**Q**

**2. How do you feel your alma mater, professors, and the campus environment helped shape your career?**

Needless to say, curriculum was strategically designed that made me market-ready. I surely cannot imagine my today's self if it's not crafted by my professors. Not only just lectures, their minds actually see you through beyond their jobs. My Professors have been constantly motivating me throughout my journey and I have been blessed to see them helping me beyond their roles, just to see me shine.

**Q**

**4. Looking back, is there an achievement from your college days that you now realize was more significant than you initially thought?**

From a small presentation in a class podium to being a member in college fests/hackathons, each and every initiative I had participated and put myself out to speak, to lead and to manage - has built my self-esteem, leadership elements and articulation skills. In corporate world, engineers are paying thousands to learn these skills today. No matter how small it seems among college students, but it has add up a lot to my professionalism and has opened so many doorseffortlessly. My team calls me a "bold and natural leader" - all because of the participation I took in college days.

**Q**

**3. What would you consider your greatest professional accomplishment since graduating?**

Coming from a small town and a simple living, I have always dreamed of working with smartest minds around the world and to be capable enough to contribute to the table where impact of billions are being discussed. Today, especially after promoting from SDE-2 to SDE-3, when I see myself being invited to such meetings for my insights - I see this as my professional accomplishment so far.

**Q**

**5. If you could implement one change on campus today, what would it be?**

Redesigning the schedules, while focusing on more hands-on and practical knowledge rather theoretical aspects - that's where actual magic happens and it will surely gonna help students in longer run. Moreover, I would also want to work on training faculty frequently, based on technology modernization so that they can come back to the class with latest market-driven knowledge.

**Name:** Alinpreet Kaur

**Course/Branch:**

Computer Science Engg.

**Batch -** 2015-2018

**Current designation & department-**

Software Development Engineer-3, Technology, JP Morgan Chase

**Email ID:**

alinpreet.kaur@gmail.com

**Mobile number:**

9056406001

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## ALUMNI STORY

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Q

**6. As a distinguished alumnus, in what ways do you see yourself giving back to the college?**

I always wonder that I am blessed and chosen by almighty or may be by professors that my struggles were seen and provided help with. I am sure, there are more talented minds who are silent and not really upfront among the whole student strength. This urges me to launch initiatives related to student mental welfare where we can review students more closely and break their barriers. Besides, with collaboration of management and for the students' growth, I would want to be flexible about areas I should contribute to bridge the gaps.

Q

**7. What advice would you offer to current students as they prepare for their future careers?**

Show up!! - no matter how hard it seems, whatever insecurity you feel you have, just show up for all the challenges, lectures, subjects, competitions - anything, with whatever less or more you carry. I have done my studies by giving tuition and other part-time jobs with many challenges, if I can pull this off - You all can do better than me. This is the best time you have to make-break-fail-&-rebuild. Few pointers:

- I Learn and practice how technology actually works, and where it is being used in current market.
- I Learn and indulge in open-source contributions.
- I Learn how to speak boldly, speak wrong initially but start somewhere.
- I Be fearlessly open about your doubts/improvisation areas and don't hesitate to seek help.
- I Work on your self-confidence, moral ethics & self-esteem.
- I Respect the professors and whoever teaches you- Trust me! Divinity or Psychology - This will make all aforementioned points really easy to attain.
- I Lastly, Do it all with lots of fun, play and do music.

Remember! The whole world is for you to achieve! Seize each and every day!

Q

**Describe in one word:**

**1)Your favorite teacher :** Swati Jindal, Rajesh Gupta & Naresh Garg

**2)Name your crush :** Well! You never know!

**3)Coffee or Tea :** Coffee

**4)Early bird or night owl? :** Early Bird

**5)9am class or proxy :** I have tried both

**6)Hostel life or day scholar :** Day Scholar

**7)Extracurricular or academics:** Both

**8)First or last Bencher :** First Bencher

**9)Topper or just passing :** Among Top 10.





### ER. UTTAM KUMAR

B.TECH, MECHANICAL ENGINEERING

BATCH: 2012 -2016



Q

**1. Can you share a bit about your current path and experiences since graduating from college?**

After graduating in Mechanical Engineering in 2016, I continued to pursue higher learning with dedication. I did my M.Tech from IIT Patna, which broadened my technical knowledge and research exposure. The discipline and clarity I developed during my college years helped me clear the GATE examination not just once, but ten times. That consistency opened multiple doors of opportunities. I also secured a government job as a Junior Engineer (DMS) in Railways, which added a new dimension to my professional journey. Eventually, I transitioned to academics and am now serving as an Assistant Professor in Mechanical Engineering at a Government Engineering College. Teaching gives me immense satisfaction because I can directly contribute to shaping the future of young engineers.

Q

**2. How do you feel your alma mater, professors, and the campus environment helped shape your career?**

My alma mater provided a strong academic foundation as well as a supportive environment. The college had a great blend of academics and cultural activities, which allowed us to develop holistically. Hostel life was vibrant, and the campus was full of energy. The professors were true mentors—especially Prof. Rajesh Gupta Sir, whose formula that “marks are proportional to the number of study hours” became my guiding principle. His words instilled in me a belief in hard work and discipline, which ultimately helped me become the Branch Topper (Gold Medalist of the Batch).

#### **Current Designation &**

**Department:** Assistant Professor,  
Department of Mechanical  
Engineering, Government  
Engineering College( BPMCE  
Madhepura)

**Place of Work:** Madhepura, Bihar  
**Email ID:** uttamiitp1@gmail.com

Q

**3. What would you consider your greatest professional accomplishment since graduating?**

The achievements that stand out for me are:

- Becoming the Branch Topper (Gold Medalist of the Batch) during my graduation.
- Clearing the GATE examination ten times, which reflects perseverance and consistency.
- Securing AIR 72 in GATE 2023, which is a matter of pride for me.
- Serving as an Assistant Professor in a government engineering college, where I get the privilege to mentor and inspire students just as my professors inspired me.

Q

**4. Looking back, is there an achievement from your college days that you now realize was more significant than you initially thought?**

Becoming the Branch Topper (Gold Medalist of the Batch) felt like a personal milestone at the time, but looking back, it was far more significant. It gave me the confidence to face competitive exams like GATE and government job tests. It also helped me establish credibility and opened doors that shaped my career in both industry and academia.

Q

**5. If you could implement one change on campus today, what would it be?**

I would focus on enhancing research and innovation facilities—well-equipped labs, incubation centers, and industry collaborations. Our generation had strong academics, but today's world demands more exposure to practical applications, startups, and innovations. That change would take the campus to the next level.

**Q**

**6. As a distinguished alumnus, in what ways do you see yourself giving back to the college?**

I would like to contribute by:

- Mentoring students for competitive exams like GATE, ESE, and government jobs.
- Delivering guest lectures on practical applications of mechanical engineering.
- Guiding students in research projects and publications.
- Helping the college strengthen its academia-industry linkages.

**Q**

**7. Can you share one of your most interesting or memorable experiences from your college days?**

Actually, in the first and second semesters, I was not a topper. At that time, I became sad and went to meet Gupta Sir because I felt that some partiality was happening with me—since I was from outside Punjab, I thought some faculty behaved differently and intentionally didn't give me the highest marks in internal exams. But I was wrong. Gupta Sir motivated me and gave me a “gurumantra”: prepare so hard that no one can stop you, because marks obtained are proportional to the hours of study you put in.

I followed that mantra sincerely, and from the 3rd semester to the 8th semester, I consistently secured top ranks. This mantra also helped me later, and I became a topper in many other exams. Even today, I topped several NPTEL FDP exams with a Gold Medal. That turning point and lesson from Prof. Rajesh Gupta Sir remains one of my most valuable lifelong memories.

**Q**

**8. How has the alumni network benefited you, either professionally or personally?**

The alumni network is a source of pride and strength. Many of my friends from college are now in top positions across India—some are ISRO scientists, some serving as SDOs in Bihar Government, and others holding responsible posts in Railways and PSU sectors. This network not only inspires me but also keeps me connected to a strong professional community.

**Q**

**9. What advice would you offer to current students as they prepare for their future careers?**

My advice is simple: Discipline and consistency always pay off. Focus on fundamentals, dedicate yourself to learning, and balance academics with extracurriculars. Don't chase shortcuts—success is proportional to the effort you put in. Believe in yourself, and remember that the habits you develop during college will shape your entire career.

**Q**

**Describe in one word:**

1. **Your favorite teacher** –Prof. Rajesh Gupta Sir.
2. **Your favorite meal in hostel** –Gobhi Paratha & Rice with curry  
on Wednesday lunch)
3. **Coffee or Tea** – Tea
4. **Early bird or night owl?** –Early bird
5. **9am class or proxy** – 9am class
6. **Hostel life or day scholar** – Hostel life
7. **Extracurricular or academics** – Academics
8. **First or last Bencher** – First Bencher
9. **Topper or just passing** – Topper





## POETRY

ਵੱਡੇ ਵੱਡੇ ਨਾਵਾਂ ਵਾਲੇ,  
ਅਕਸਰ ਵੱਡੇ ਗੁਨਾਹਾਂ ਵਾਲੇ।  
ਇਸ ਤਨ ਤੇ ਗਰੂਰ ਨੱਕੋ,  
ਇਹ ਤਾਂ ਰੂਹਾਂ ਦੇ ਪਨਾਹਾਂ ਵਾਲੇ।



ਦੁਨੀਆ ਨੂੰ ਪਏ ਜ਼ਿੰਦਗੀ ਵੰਡਦੇ,  
ਮੁੱਲ ਦੀਆਂ ਸਾਹਾਂ ਵਾਲੇ।  
ਮੰਜ਼ਿਲਾ ਉਪਰ ਪਹੁੰਚ ਗਏ ਨੇ,  
ਔਖੇ ਟੇਢ ਰਾਹਾਂ ਵਾਲੇ।

ਉਫੰਦੇ ਸਮੁੰਦਰ ਹੋ ਗਾਏ,  
ਸ਼ੀਤਲ ਵਗਦੇ ਦਰਿਆ ਵਾਲੇ।  
ਕੋਈ ਸਲਤਨਤ ਬਰਬਾਦ ਨਾ ਹੁੰਦੀ,  
ਜੈ ਨਾ ਹੁੰਦੇ ਖਾਰਾਂ ਵਾਲੇ।

ਤੂੰ ਤੇ ਮੈਂ ਤਾਂ ਹਾਰਨਾ ਹੀ ਸੀ,  
ਦੋਵੇਂ ਘੱਟ ਤਕਦੀਰਾਂ ਵਾਲੇ।  
ਮੇਰੇ ਹਿੱਸੇ ਨੂੰ ਧੂਹ ਕੇ ਲੇ ਗਏ,  
ਹੱਥ ਦੀਆਂ ਤਕੜੀਆਂ ਲਕੀਰਾਂ ਵਾਲੇ।



ER. MANPREET SINGH SIDHU  
B.TECH  
ELECTRICAL ENGINEERING,  
BATCH:2001-2005

### ਉਲਾਂਬਾ,

ਜ਼ਿੰਦਗੀ ਤੇ ਰੱਬ ਨੂੰ ਰੋਜ਼ ਉਲਾਂਬਾ ਦੇਣ  
ਵਾਲਿਓ;  
ਸਭ ਕੁਛ ਹੁੰਦੇ ਹੋਏ ਵੀ ਰੋਜ਼ ਜ਼ਿੰਦਗੀ  
ਨੂੰ ਸ਼ਿਕਾਇਤ ਕਰਨ ਵਾਲਿਓ; ਹਰ  
ਦਿਨ ਵਿੱਚ ਤੇ ਹਰ ਇਨਸਾਨ ਵਿੱਚ  
ਸਿਰਫ਼ ਮਾੜਾ ਦੇਖਣ ਵਾਲਿਓ;  
ਜ਼ਿੰਦਗੀ ਵਿੱਚ ਚੰਗੇ ਸਮੇਂ ਤੇ ਚੰਗੇ  
ਇਨਸਾਨਾਂ ਨੂੰ ਅਣਦੇਖਿਆ ਕਰਨ  
ਵਾਲਿਓ;  
ਰੱਬ ਨੂੰ ਟਿੱਚਰਾਂ ਕਰਨ ਵਾਲਿਓ;  
ਬਿਨਾਂ ਗੱਲ ਤੋਂ ਦੁਖੀ ਰਹਿਣ ਵਾਲਿਓ;  
ਨਫ਼ਰਤ, ਈਰਖਾ, ਵੈਰ ਕਰਨ  
ਵਾਲਿਓ;  
ਪੰਜਾਬ ਵਿੱਚ ਆਏ ਹੜਾਂ ਵਿੱਚ ਘਿਰੇ  
ਹੋਏ ਪੰਜਾਬੀਆਂ ਤੋਂ ਕੁਛ ਸਿੱਖੋ।  
ਸਾਰੀ ਜ਼ਿੰਦਗੀ ਦੀ ਕਮਾਈ ਇੱਕ  
ਝਟਕੇ ਖਤਮ ਹੋਣ ਤੋਂ ਬਾਅਦ ਵੀ  
ਦੂਜਿਆਂ ਲਈ ਦਿਨ ਰਾਤ ਸੇਵਾ ਕਰਨ  
ਵਾਲਿਆਂ ਤੋਂ ਕੁਛ ਸਿੱਖੋ।

ਦਿੱਲ ਮਾਂ ਦੀ ਅਵਾਜ਼

ਛੱਡ ਜਾਏ ਨੇ ਜੋ ਮਾਵਾਂ ਨੂੰ  
 ਟੁੱਟ ਜਾਏ ਦਿੱਲ ਦਿਲੋਂ ਰੇ  
 ਝੋਲੀ ਦਿੱਲ ਮਿਰ ਹੱਥ ਮੈਂਦੇ ਸੀ  
 ਮਾਂ ਮਾਂ ਕਰਦੇ ਸੀ ਹਮੇਸ਼ਾ ਵੇ  
 ਕਿੱਥੇ ਗਏ ਉਹ ਪਲ ਸੁਹਾਨੇ  
 ਮਿੱਟੀ ਦੇ ਖਿਲੋਏ ਉਹ ਛੋਲ੍ਹਦੀ ਆਂ  
 ਪੁੱਤ ਅਵਾਜ਼ ਪਛਾਣ ਤੂੰ ਮੇਰੀ  
 ਮੈਂ ਤੇਰੀ ਮਾਂ ਘੋਲ੍ਹਦੀ ਆਂ  
 ਉਹ ਕਿੱਥੇ ਕਿੱਥੇ ਹੱਥ ਮੀ ਜੋ  
 ਮੇਰੇ ਹੱਥ ਦੇ ਦਿੱਲ ਰੰਗਦੇ ਸੀ  
 ਉਹ ਮਾਂ ਤੂੰ ਮਿੱਥਿਆ ਕੀ  
 ਤੇਰੇ ਘੱਲੂ ਘਰਨ ਕਠ ਕਰਦੇ ਸੀ  
 ਤੇਰੇ ਪਲ ਦਾ ਹਮਾ ਵੇਖਣ ਨੂੰ  
 ਸਾਰੇ ਦਿੱਲ ਸਾਂ ਘੋਲ੍ਹਦੇ ਸੀ  
 ਉਹ ਘਰਪਨ ਦੀ ਤੇਰੀ ਪੁੱਪਾਂ ਵਾਲੀ  
 ਮੈਂ ਰਾਹ ਛੋਲ੍ਹਦੀ ਆਂ  
 ਪੁੱਤ ਅਵਾਜ਼ ਪਛਾਣ ਤੂੰ ਮੇਰੀ  
 ਮੈਂ ਤੇਰੀ ਮਾਂ ਘੋਲ੍ਹਦੀ ਆਂ

ਤੇਰੇ ਧਾਪ ਨੇ ਪੁੱਤ ਤੇਰੇ ਲਈ  
 ਕਿੱਥੀਆਂ ਹੀ ਟੋਕਰਾ ਖਾਈਆਂ ਨੇ  
 ਉਹਨੇ ਸਾਹੀਆਂ ਸੁਆਹੀਆਂ ਵੇਚ ਦੇ ਵੇ  
 ਤੇਰੀ ਹੀ ਝੋਲੀਆਂ ਪਾਈਆਂ ਨੇ  
 ਉਹਨੇ ਕਰੇ ਵੀ ਤੇਰੇ ਗਿਰਾਫ਼ਿਆਂ ਕੀ  
 ਦਿੱਲ ਗਜ਼ ਮੈਂ ਘੋਲ੍ਹਦੀ ਆਂ  
 ਪੁੱਤ ਅਵਾਜ਼ ਪਛਾਣ ਤੂੰ ਮੇਰੀ  
 ਮੈਂ ਤੇਰੀ ਮਾਂ ਘੋਲ੍ਹਦੀ ਆਂ



HARDIK JOSHI  
 B.ARCHITECTURE  
 2023 BATCH



# A PRESTIGIOUS WIN: ALUMNI FAMILY MEMBER BAGS



**AMANDEEP R. K. WALIA**

**B.TECH (CIVIL ENGG.)  
1996 - 2000 BATCH**

## A MOMENT OF GLOBE PRIDE FOR MRSPTU

MRSPTU, Bathinda proudly celebrates an exceptional accomplishment within our alumni family.

The wife of one of our distinguished alumni has been crowned Mrs. Canada Curve Globe 2025, earning international recognition for her confidence, grace, and presence on the global stage.

Adding to this proud moment, her husband — our esteemed alumnus — was honoured with the Husband of the Year Award at the same event, recognizing his unwavering support and dedication.

Together, their achievements mark a truly memorable milestone, bringing pride and joy to the entire MRSPTU community.

A global crown, a prestigious honour, and a proud celebration — MRSPTU applauds their remarkable success!





# —ALUMNI ACHIEVEMENTS—

## RISING FROM MRSPTU TO THE GLOBAL MUSIC STAGE

MRSPTU, Bathinda proudly celebrates the outstanding journey of our distinguished alumnus Avvy Sra, who has become a renowned name in the Punjabi music industry. With his unique musical style and chart-topping hits, he continues to win hearts across the world.

He has collaborated with some of Punjab's biggest stars, including Diljit Dosanjh, Amrinder Gill, Karan Aujla, and many more, establishing himself as one of the most sought-after artists in the industry.

Adding another shining milestone, his song has now been featured in the Bollywood film De De Pyaar De 2 — a moment of great pride and joy for the entire MRSPTU family.

From powerful Punjabi hits to a grand Bollywood entry — Avvy Sra's musical journey reflects passion, dedication, and the spirit of success. MRSPTU celebrates his inspiring achievements!

**AVVY SRA**

**B.TECH (TEXTILE ENGG.)**

**2010 - 2014 BATCH**





# ALUMNI ACHIEVEMENTS

## ARUN PANDIT

**B.TECH (COMPUTER SCIENCE & ENGINEERING)**

**2005 - 2009 BATCH**

### A LEADERSHIP MILESTONE TO CELEBRATE

**“Leading the Leaders of Tomorrow.”**

MRSPTU, Bathinda proudly celebrates the remarkable achievement of our esteemed alumnus Arun Pandit, who has been appointed as the National Chairman of the All India Management Association (AIMA) – Young Leaders Council for 2025–26.

This prestigious role brings with it the responsibility of guiding and inspiring emerging professionals across India, strengthening leadership culture, and driving strategic initiatives that shape the nation’s future. His appointment reflects the trust, respect, and admiration he has earned within the management community.

MRSPTU applauds his dedication and is proud to see one of our own leading India’s young leadership movement with purpose and excellence.

Linkedin : <https://www.linkedin.com/in/arunpandit>

Website : <https://www.arunpandit.com>



## ALUMNI VENTURES



Name: Er. Pankaj Agarwala

Mechanical Engg.

Batch : 1998 - 2002

Company Name: Jaybee Industries



**FOUNDER**



Name: Er. Pranav Kanodia

Civil Engg. Batch : 2000 - 2004

Nature/ Area deals in: Real Estate , Maruti

Automobile , Education , Hotels

Company Name : SK



**FOUNDER**



Name: Ar. Ankit Gera

Architecture

Batch : 2003 - 2008

Company Name : Urban INFLUENCE



**PRINCIPAL ARCHITECT**





**Dr. H.S. Randhawa**

Professor & Head of Department  
Department : Mech. Engineering  
Retired on : February 2010



**Dr. Raja Singh Khela**

Professor  
Department : Electrical Engineering  
Retired on : July 2011



**Prof. S.P.S. Johal**

Associate Professor  
Department : Mech. Engineering  
Retired on : June 2017



**Prof. Surinder Singh**

Associate Professor  
Department : Mech. Engineering  
Retired on : November 2017

# The Legacy Maker's

They are the educators whose  
dedication shaped countless futures.  
Their legacy of knowledge, values,  
and inspiration will continue to live on  
in every student they touched.



**Ar. Ranjeet Kaur**

Associate Professor  
Department : Architecture  
Retired on : December 2019



**Dr. Prabhjot Kaur**

Professor  
Department : Architecture  
Retired on : November 2021



**Dr. Jyoti Sexsena**

Professor  
Department : Electronics & Comm.  
Retired on : February 2022



**Dr. Jasbir Singh Hundal**

Former Registrar, MRSPTU  
Department : Physics  
Retired on : December 2023



**Dr. Gurprit Singh Bath**

Professor  
Department : Civil Engineering  
Retired on : March 2024



**Dr. Butta Singh**

Former Vice Chancellor, MRSPTU  
Department : Mech. Engineering  
Retired on : October 2024



**Dr. Balwinder Singh**

Professor  
Department : Mech. Engineering  
Retired on : September 2025

# THE LEGACY MAKERS



**Mr. Amarjit Singh**

Workshop Supdt.  
Retired on : June 2021



**Mr. Ranjit Singh**

AR. Registrar  
Retired on : March 2022



**Mr. Bansilal**

Caretaker cum Cook  
Retired on : November 2022



**Er. Balwant Singh**

Draftsman, Mechanical Deptt.  
Retired on : April 2025



**Mr. Sukhjot Singh**

Draftsman, Civil Deptt.  
Retired on : April 2025



**Mr. Pal Singh**

Draftsman, CSE Deptt.  
Retired on : July 2025



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