

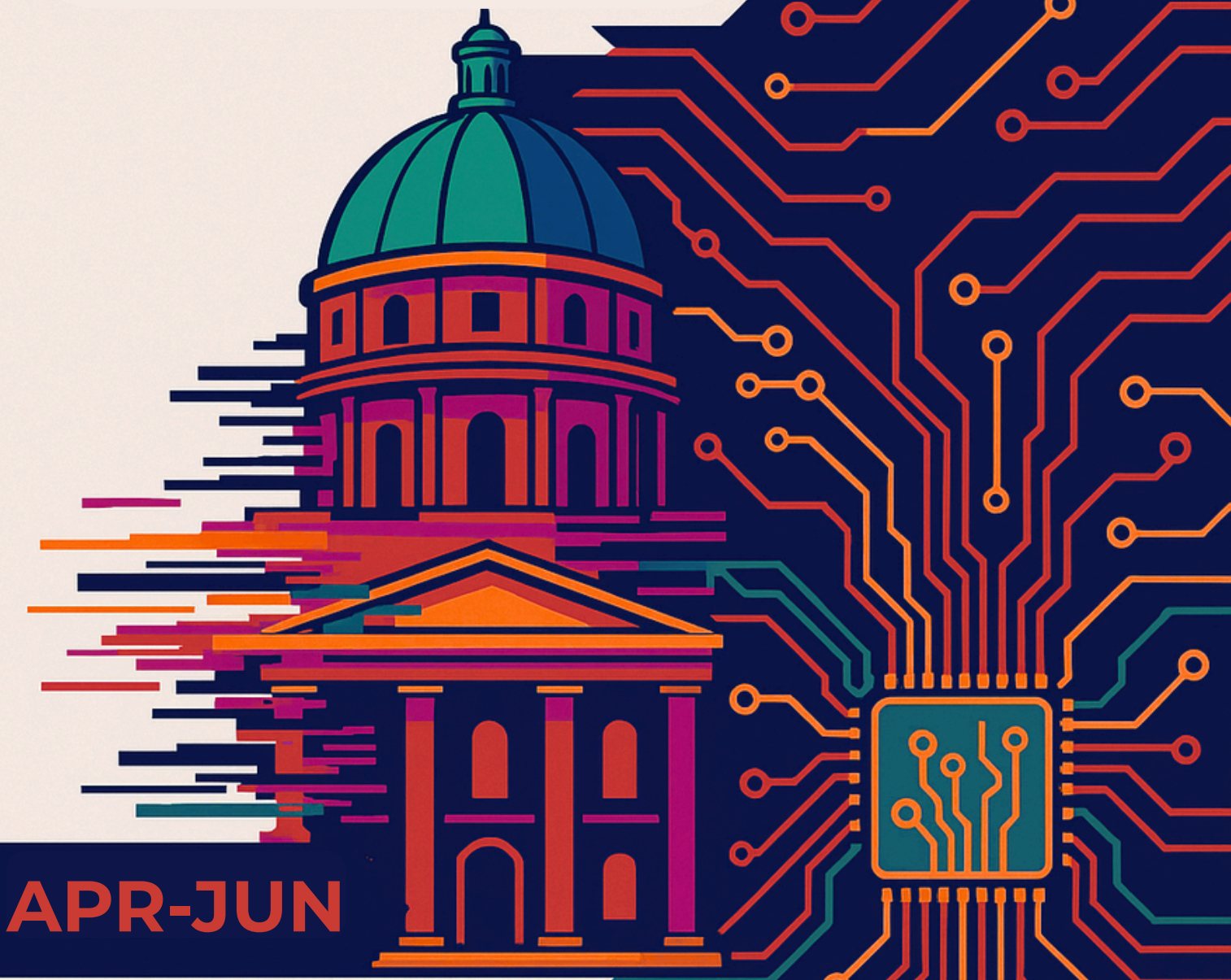


MANIPAL UNIVERSITY  
JAIPUR

25.2

# CSE Chronicles

The Official Newsletter for  
*Department of Computer Science and  
Engineering • 2025*



APR-JUN



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# From the Associate Dean's Desk



Dear MUJ Community,

As we begin a new academic year, I'm filled with pride and anticipation for the journey ahead. At Manipal University Jaipur, our strength lies not only in academic excellence but also in the vibrant community we've built—where innovation, inclusivity, and collaboration are at the heart of everything we do. The Department of Computer Science and Engineering continues to break new ground in shaping future-ready professionals.

What truly defines MUJ is the spirit of our people—faculty who mentor with passion, students who dream big, and a culture that celebrates curiosity and initiative. At MUJ, growth is a shared journey. Our commitment to academic excellence, research, and student development is stronger than ever. We believe in creating opportunities that challenge, inspire, and prepare our students to become thoughtful innovators and responsible leaders. From groundbreaking projects to enriching campus activities, every experience here shapes a more capable and compassionate future.

As we look ahead, let us support one another, stay curious, and continue striving for excellence. Here's to another year of meaningful progress and collective success. Let us approach this year with a shared commitment to excellence, empathy, and innovation. Together, we will continue to build a legacy of purpose and progress.

**Dr. Chhatar Singh Lamba**  
Associate Dean, Faculty of  
Engineering  
PhD, M.tech



# From the HoD's Desk



Dear Readers, Greetings!

I extend my congratulations to the editorial team of “**CSE Chronicles**” for their initiative in launching this newsletter. The past year has been transformative, with numerous events like hackathons, webathons, conferences, and FDPs conducted by our department. This newsletter will showcase the innovation, exploration, and achievements of our remarkable journey.

Our students are the future leaders of the technology industry, and it is our privilege to nurture their talents and provide them with the tools needed to thrive. Recently, we held a curriculum conclave to gather feedback from industry experts and premier institutes. This helped us develop a rigorous and innovative curriculum that equips our students with technical expertise, critical thinking, and problem-solving skills essential in today's world.

I extend my heartfelt thanks to our dedicated leadership for their exemplary guidance. Your vision continues to inspire us all. Under your leadership, our faculty, students, various clubs, and chapters have demonstrated unwavering resilience and commitment to our shared mission.

Lastly, I express my profound gratitude to every member of our department—faculty, staff, students, and alumni—for your contributions and unwavering support. Your dedication makes our department exceptional.

Together, we will continue to shape the future of the department and leave a lasting impact.

**Dr Neha Chaudhary**  
Head of Department, CSE



# Meet the Team

## Faculty Team



**Dr Kuldip Singh Sangwan**  
Dean, Faculty of  
Engineering



**Dr. Chhatar Singh Lamba**  
Associate Dean, School of  
CSE



**Dr Neha Chaudhary**  
Head of Department,  
CSE



**Dr. Juhi Singh**  
Faculty Editor



**Dr. Rishav Dubey**  
Faculty Co-Editor

## Student Team



**Kasvi Rajwar**  
Student Editor &  
Content writer



**Drishti Madaan**  
Student Editor &  
Designer

# Faculty, CSE



## Department of Computer Science and Engineering

**Row-1 (Left to Right):** Dr Sayar Singh Shekhawat, Dr Mahesh Jangid, Dr Sakshi Shringi, Dr Neha Chaudhary, Dr Sandeep Chaurasia, Dr Susheela Vishnoi, Dr Neetu Gupta, Ms. Babita Tiwary, Ms. Sushma Tanwar, Dr Sandeep Joshi, Dr Neelam Chaplot;

**Row-2 (Left to Right):** Dr Rajat Goel, Dr JeyaKrishna V, Dr Rishi Gupta, Dr.Dibakar sinha, Dr Juhi Singh, Ms. Anita Shrotriya, Ms. Bali Devi, Ms. Surbhi Sharma, Ms. Vaishali Chauhan, Ms. Santoshi Rudrakar;

**Row-3 (Left to Right):** Dr Vivek Kumar, Dr Rakesh Kumar, Dr Aditya Sinha, Mr. Sunil Kumar Patel, Mr. Shishir Singh Chauhan, Dr. Nishant Jain, Dr. Anil Kumar, Mr. Atul Kumar Verma, Dr Praneet Saurabh, Dr Ashish Sharma;

**Row-4 (Left to Right):** Mr. Mayank Jain, Dr Arvind Kumar, Dr Amit Garg, Mr. Vivek Singh Sikarwar, Dr Ankit Shrivastav, Dr Rishabh Dubey, Mr. Mangilal Jat

**Row-5 (Left to Right):** Dr Ashok Kumar Saini, Dr Mayank Namdev , Dr Jayprakash Singh, Dr Ankur Pandey, Mr. Priyank Hada, Dr Ajit Noonia, Dr Manmohan Sharma, Dr Ajay Kumar, Dr Satpal Singh Kushwaha, Dr Ajay Kumar

# Vision and Mission

The Department of Computer Science and Engineering (CSE) at Manipal University Jaipur has provided a comprehensive education in computer science since the inception of its B.Tech. CSE program in 2011. This program is designed not only to prepare students for various employment opportunities but also to cultivate their entrepreneurial spirit, ensuring they are equipped to make meaningful contributions to the corporate world and beyond. The department takes immense pride in the accomplishments of its alumni, who have demonstrated excellence across diverse fields and have significantly contributed to society.

With around 80 faculty members, Manipal University Jaipur's Department of Computer Science and Engineering benefits from a diverse and experienced team. These faculty members are dedicated to delivering high-quality education, mentoring students, and conducting cutting-edge research. Their expertise covers various fields within computer science and engineering, ensuring students receive a contemporary education aligned with industry trends. The department's large faculty size enables a wide range of specialization areas to be covered, offering students flexibility in their academic pursuits.

## VISION

To achieve Excellence in Computer Science and Engineering Education for Global Competency with Human Values.

## MISSION

- Provide innovative Academic & Research Environment to develop competitive Engineers in the field of Computer Science and Engineering.
- Develop Problem-solving & Project Management Skills by Student Centric Activities & Industry Collaboration.
- Nurture the Students with Social & Ethical Values.



# Capacity Building Programs

*With the demands of the tech industry rising rapidly, the Department of Computer Science and Engineering at Manipal University Jaipur consistently takes initiative to upskill students through hands-on, innovative, and impactful events. From technical workshops to thought-provoking speaker sessions, the department curated a series of engagements aimed at helping students stay ahead of the curve. Some of the key events conducted in the months of April, May, and June 2025 include:*

## **Industry Expert Talk: “Process Synchronization & Deadlock”**

*On April 4, 2025, the Department of Computer Science and Engineering at Manipal University Jaipur, in collaboration with FoSTA, organised an industry expert talk on Process Synchronization and Deadlock. The session was delivered by Ms. Sangeeta, Associate Manager at Optum Global Solutions, Noida.*

*Drawing on her industry expertise, Ms. Sangeeta provided an in-depth understanding of the challenges and strategies related to process*

*synchronisation and deadlock prevention in operating systems. The lecture bridged theoretical concepts with real-world implementation, offering students valuable insights into systems programming and industry practices. The interactive session encouraged active participation, with students posing questions about concurrency issues and industry-level solutions. Ms. Sangeeta’s practical examples made the concepts more relatable, leaving the audience with a stronger grasp of how synchronisation techniques are applied in professional environments.*



### **Expert Lecture: “Cryptography and Information Systems Security”**

On April 13, 2025, the Department of Computer Science and Engineering at Manipal University Jaipur organised an expert lecture series for the courses Cryptography and Information Systems Security. The distinguished speaker was Dr. Subrata Nandi, Senior Manager in the security domain at CAMS, Chennai. Dr. Nandi, who holds a Ph.D. in cryptology from IIT Guwahati and has research experience at NISER Bhubaneswar and KIIT University, shared deep insights into modern cryptographic practices and cybersecurity challenges. The session provided students with both academic rigour and industry-oriented perspectives in the field of security.



### **Industry Expert Lecture: “Decoding Algorithms: The Magic Behind the Logic”**

On April 13, 2025, the Department of Computer Science and Engineering at Manipal University Jaipur hosted an expert lecture by Mr. Vamdeo Mishra, Senior Software Designer at ASML, Netherlands. With extensive professional experience at ASML, Vanderlande, Collins Aerospace, and DRDO, Mr. Mishra offered a fascinating exploration of the logic behind algorithms that power intelligent systems.



Drawing from his contributions to India’s LCA Tejas project during his tenure at DRDO, Mr. Mishra explained how real-time embedded systems, control logic, and weapon algorithms integrate into cutting-edge aerospace technologies. The session served as an inspiring bridge between classroom theory and high-impact industrial applications.

## **Expert Lecture: “Designing and Analysing Computational Strategies for Cloud-Enabled, AI-Driven Business Transformation”**

On April 21, 2025, the Department of Computer Science and Engineering at Manipal University Jaipur organised an expert lecture featuring Mr. Arvind Kumar, Project Management Officer at Infosys, Hyderabad.

Mr. Kumar shared his expertise in IT consulting, digital transformation, and project delivery, focusing on how cloud and AI technologies are transforming enterprises. The session highlighted computational strategies for scalability, agility, and intelligent solutions, supported by real-world case studies and professional insights. Students gained a forward-looking perspective on becoming future-ready tech professionals.



**MANIPAL UNIVERSITY JAIPUR** DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

**EXPERT LECTURE**

**‘Designing and Analysing Computational Strategies for Cloud-Enabled, AI-Driven Business Transformation’**

**Mr. Arvind Kumar**  
Project Management Officer, Infosys

**21st April 2025**  
**10 AM TO 12 PM**

Convener  
Dr Mayank Namdev

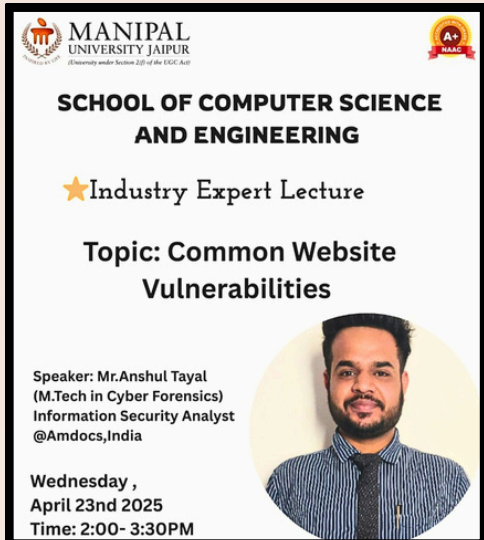
[Meeting link](#)

## **Industry Expert Lecture: “Common Website Vulnerabilities”**

On April 23, 2025, the School of Computer Science and Engineering at Manipal University Jaipur organised an industry expert lecture on Common Website Vulnerabilities. The session was conducted by Mr. Anshul Tayal, Information Security Analyst at Amdocs, India, who holds an M.Tech in Cyber Forensics.

Mr. Tayal shed light on critical security loopholes in modern web applications, explaining common attack vectors and mitigation techniques. His talk emphasised the importance of secure coding

practices and proactive defence strategies, enabling students to understand how cybersecurity principles are applied in professional environments. The session not only deepened students’ awareness of cybersecurity threats but also highlighted the growing demand for skilled professionals in the field. Mr. Tayal’s insights offered participants both technical clarity and career-oriented direction, ensuring the lecture was highly impactful and memorable.



**MANIPAL UNIVERSITY JAIPUR** (University under Section 22 of the UGC Act)

**SCHOOL OF COMPUTER SCIENCE AND ENGINEERING**

★ Industry Expert Lecture

**Topic: Common Website Vulnerabilities**

**Speaker: Mr. Anshul Tayal**  
(M.Tech in Cyber Forensics)  
Information Security Analyst  
@Amdocs, India

**Wednesday ,**  
**April 23rd 2025**  
**Time: 2:00- 3:30PM**



## Industry Expert Lecture: “Real-World Relevance of Compiler Concepts in Industry”

On April 24, 2025, the School of Computer Science and Engineering at Manipal University Jaipur hosted an industry expert lecture on Real-World Relevance of Compiler Concepts in Industry. The distinguished speaker for the session was Mr. Chandra Prakash, Senior Software Engineer at Salesforce (IT Services). With his professional background in software engineering, Mr. Prakash demonstrated how compiler concepts are not just academic theory but play a crucial role in optimising performance, ensuring portability, and streamlining software development workflows. His insights helped students appreciate the industrial applications of compilers and their significance in large-scale engineering projects.



**MANIPAL UNIVERSITY JAIPUR** SCHOOL OF COMPUTER SCIENCE AND ENGINEERING

**INDUSTRY EXPERT LECTURE**

**REAL-WORLD RELEVANCE OF COMPILER CONCEPTS IN INDUSTRY**

**Mr. Chandra Prakash**  
Senior Software Engineer  
IT Services (Salesforce)

**24th April 2025 | 9:45 AM to 12:00 PM**

Convenors: **Dr. Ajay Kumar**  
**Dr. Ashok Kumar Saini**

## TechNovate 2025: International Project Expo

On April 11, 2025, the Department of Computer Science and Engineering at Manipal University Jaipur, under IIC activity in collaboration with AIC and E-Cell, organised TechNovate 2025 — an International Project Expo showcasing student innovations in Artificial Intelligence, Software Development, and IoT.

The event featured an online presentation round followed by an on-campus showcase for shortlisted teams. Winners received trophies, cash prizes, and certificates, while all participants earned e-certificates. Select projects also secured incubation support, adding further value to their innovations.



**MANIPAL UNIVERSITY JAIPUR** Vedmark SDC CC MUJ

PROJECT EXHIBITION ORGANIZED BY  
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

**INTERNATIONAL PROJECT EXPO**

**TECHNOVATE '25**

UNDER IIC ACTIVITY IN COLLABORATION WITH AIC AND E-CELL

Event Date: **APRIL 11, 2025**

**Winners!! and Participants will be appreciated with:**

- Trophy, Cash Prize with Certificate to the top three teams.
- E-Certificate to the runner-up.
- E-Certificate to all participants.
- Incubation support.

**Invited Project Categories**

- Artificial Intelligence
- Software
- Internet of Things

**Qualification Criteria**

- Uniqueness
- Completeness
- Societal Contribution

**Who can participate?**  
B. Tech. from Computer Science and allied branches.

**SCAN TO REGISTER**

Last date to register: **APR 02, 2025**

**Round 1:**  
Online Round

**Round 2:**  
Qualified teams will be invited to showcase their projects at MUJ campus in offline mode. Online for international participants.

**Faculty Coordinators**  
Dr. Shikha Munda  
Dr. Amit Garg  
Dr. Usha Jain

**Student Coordinators**  
Ayush Bhatnagar  
Devishi Mahajan  
Srivatsa Palepu

For Further details, visit <https://technical.ac38p0q> MANIPAL UNIVERSITY JAIPUR [technovateexpo25@gmail.com](mailto:technovateexpo25@gmail.com)

# Department Spotlight

## CSE Faculty Recognized with Awards:

*The Department of Computer Science and Engineering at Manipal University Jaipur continues to shine through the outstanding achievements of its faculty, whose dedication to research, innovation, and professional excellence remains truly inspiring. We are proud to announce that **Dr. Juhi Singh has been honoured with the Best Paper Award at the 2nd International Conference on Multidisciplinary Research and Innovations in Engineering (MRIE-2025)**, a recognition of her scholarly contribution and impactful research.*

*Adding to this distinction, **Dr. Satyabrata Roy and Dr. Neha Chaudhary have been awarded the prestigious Fellowship from IETE**, marking their significant contributions to the field of electronics and telecommunication engineering.*

*These remarkable accomplishments stand as a testament to the department's unwavering commitment to academic excellence, and they further strengthen our mission to foster innovation, research, and leadership in technology and education.*

## Faculty Achievement: Selection to INAE–Infosys Foundation CEEE Program 2025

*The School of Computer Science and Engineering at Manipal University Jaipur proudly congratulates **Dr. Juhi Singh and Dr. Ankur Pandey** on their selection to the prestigious **INAE–Infosys Foundation CEEE Program 2025**. Organised by the Indian National Academy of Engineering (INAE) and sponsored by the Infosys Foundation, the programme aimed at enhancing capacity building in engineering education through exposure. Their achievement highlighted the School's continued commitment to academic excellence and impactful contributions to engineering education.*

## Lighting the Way: Scholars Who Inspire the Future

We are proud to congratulate **Dr. Deepti Sharma and Dr. Shishir Singh Chauhan** on the successful completion of their doctoral degrees — a defining achievement in their academic and professional journeys. Earning a PhD is not only a reflection of intellectual brilliance, but also of years of perseverance, in-depth research, and an unwavering passion for discovery. Their accomplishments stand as a testament to the enduring value of scholarly pursuit and contribute significantly to the advancement of knowledge in their respective fields.

Dr. Sharma and Dr. Chauhan's dedication sets a powerful example for aspiring researchers and reaffirms our commitment to fostering a culture of academic excellence at SCSE.

## CSE Department welcomes new faculty members:

We are excited to extend a warm welcome to the newest members of our faculty at the School of Computer Science and Engineering. With their diverse expertise, fresh ideas, and dedication to both teaching and research, they bring new energy and depth to our academic community.

We warmly welcome **Ms. Shweta, Dr. Mohit, Dr. Rishi Kumar Srivastva, Mr. Bhawani Singh Rathore, and Ms. Tripti Kulshrestha**, and look forward to their contributions in driving innovation and inspiring students.

Name	Area of Expertise
Ms. Shweta Gangrade	Deep Learning for medical images
Dr. Mohit Kushwaha	Computer vision, Machine Learning, Algorithm design
Dr. Rishi Kumar Srivastva	Blockchain Technology
Mr. Bhawani Singh Rathore	Artificial Intelligence
Ms. Tripti Kulshrestha	Machine Learning and Image Processing



# Club Connect

*Clubs aren't just extracurriculars, they're where ideas spark, leaders emerge, and passions take shape. Over the past few months, our student clubs have been hubs of innovation, creativity, and collaboration. From hands-on workshops to inspiring talks and team challenges, these activities have given students a space to grow beyond the classroom.*

*We're proud to showcase some of the standout moments from April to June—and to the students who poured time, energy, and heart into making them happen: thank you. You're what makes this community thrive.*

## RANDOMIZE

### 1) The Fest 2.0:

*The second edition of The Fest by Randomize, the official Computer Science Club of Manipal University Jaipur, brought together a vibrant mix of innovation, intellect, and excitement. The 36-hour Hackathon saw code and creativity collide, with teams pushing their limits through multiple rounds of judging and hands-on mentoring. Mentors helped participants navigate tricky roadblocks, and the result was a fierce, high-stakes finale that truly showcased their skills. Equally thrilling was the TechDebate, where participants engaged in intense, insightful exchanges that kept everyone on edge. The debates stretched far beyond their slots, driven by sharp reasoning, passionate rebuttals, and a shared love for tech discourse.*



In collaboration with COSMOS – the Science Club – Nebula Nights offered a serene contrast, with stargazing through telescopes, a nostalgic movie night, and a sense of wonder under the open sky.



Meanwhile, CryptX challenged logic and intuition in an electrifying online treasure hunt, growing tougher with each level and rewarding only the most determined minds.

The Fest 2.0 wasn't just an event — it was a celebration of community, curiosity, and the power of pushing boundaries. From code to cosmos, it was a true fusion of creativity and community

## IEEE-CS

### 1) Mockup 4.0:

Mockup 4.0 was a 24-hour designation that brought together aspiring designers and startup enthusiasts. Participants ventured themselves into the art of UI/UX, transforming raw ideas into digital art experiences. The event featured expert sessions, rapid prototyping, and intense collaboration, igniting fresh ideas and connections – a milestone for the next wave of digital pioneers.



### 2) Hackerzstreet 3.0:

A 24-hour sprint of tackling and coding where participants addressed the real-world setbacks. The event featured two rigorous rounds—problem-solving and presentations supported by expert mentorship. Anu Sharma and Yashaswi Soni from Google served as judges, evaluating the trailblazing outcomes with their valuable insights. The event left a lasting mark of ingenuity and strategic collaboration. From sleepless brainstorming hackathon to defining performances, the energy was electric, and the spirit remained unstoppable.



## IEEE- WIE

### Elysium:

Organized by IEEE WIE MUJ in collaboration with the Department of CSE and E-Cell MUJ, Elysium'25 was a two-day celebration of innovation, creativity, and entrepreneurial spirit held on April 4–5, 2025. With a ₹25,000 prize pool and a rich lineup of activities, the event brought together tech enthusiasts, aspiring entrepreneurs, and creative thinkers from across disciplines. The first day featured TechEden, a powerful speaker panel with industry



voices like Shridhar Mankar, Saumya Singh, Dhairya Gangwani, and Aditi Gupta, who shared inspiring stories and insights from their tech journeys. NeXTech followed with a fascinating session on quantum computing and photonics by Abhigyan Mishra, while FutureSync encouraged hands-on innovation through 3D printing and robotics.

The day concluded with DataPulse, a real-time datathon that challenged participants to apply financial analytics in meaningful, practical ways.

Day two continued the momentum with Binary Bloom, a comprehensive



workshop on Web3 and blockchain by Kunal Sharma, breaking down the complexities of decentralized tech. Artemis, led by Brahma Kumaris, brought a thoughtful pause with a session on mindfulness and academic balance. Participants then stepped into the world of extended reality with Pandora, an immersive AR/VR experience, and faced off in Hardwired, an Arduino-based challenge that tested creativity and technical prowess through rapid prototyping.

The fest drew to a vibrant close with Reeti Riwaaz, a cultural showcase celebrating Rajasthan's heritage. Rajveer Sir from Springboard Academy Jaipur graced the evening, followed by a mesmerizing folk music performance by Sameer Khan and a captivating Bhawai dance that brought the audience to its feet.

Elysium'25 stood as a seamless blend of future-forward thinking and cultural pride, a testament to the spirit of collaboration and the pursuit of excellence at MUJ.





## IEEE- SB

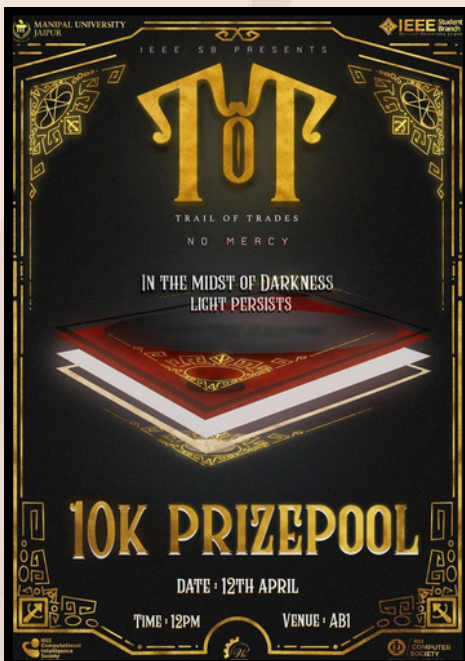
### Trail of Trades 3.0:

*This April, IEEE SB pulled participants into the heart of calculated chaos with Trail of Trades 3.0, a high-octane, all-day event inspired by the psychological intensity of Alice in Borderland. With the tagline “Trust no one, play everyone,” TOT 3.0 blended physical endurance, strategic mind games, and unpredictable social dynamics into one unforgettable experience. Across ten immersive challenges, each mapped to a suit of playing cards—participants tested their strength, logic, cooperation, and luck. Whether it was racing through physical tasks for Spades, navigating delicate trust games for Hearts, solving logic puzzles for Diamonds, or embracing pure chance for Clubs, every round brought new risks and revelations. But the real*



*twist came in The Trading Room, where players used earned cards to barter, sabotage, and scheme their way to the top. Alliances crumbled, bluffing reigned supreme, and only the sharpest minds emerged victorious.*

*TOT 3.0 was a competition and akin to a social strategy experiment wrapped in adrenaline, and every participant walked away with stories, connections, and a sharper edge. IEEE SB once again proved that in the game of logic and luck — only the bold conquer.*



# Byte of Brilliance (Excellence)

*Each achievement not only marks a personal milestone but also adds to the collective legacy of SCSE. These successes are a testament to the dynamic spirit that defines our academic community, one fueled by curiosity, innovation, and an unrelenting pursuit of growth.*

*We take this opportunity to honor and applaud the extraordinary efforts and outcomes of our students, whose journeys continue to shape the future and elevate the pride of our institution.*

## **Student Excellence Awards (Apr-June'25)**

<b><u>Name</u></b>	<b><u>Reg. Number</u></b>	<b><u>Award Category</u></b>
Eshan Sud	229301214	Patent published
Priyanshu	229301082	Patent published
S.Ankit Reddy	229301470	Patent published
Ranojit Palit	229301014	International Conference(Published)
Ayushi Mathur	219301125	International Conference(Published)
Kasvi Rajwar	23FE10CSE00417	Patent published
Vrinda Bindal	229301768	Internship(Paid)
Rohit Ganguly	23FE10CSE00422	Hackathon Winner
Ishaan Sharma	23FE10CSE00712	Hackathon Winner
Manasveer Singh Basra	23FE10CSE00135	Hackathon Winner

Name	Reg. Number	Award Category
Kanika Bansal	229301237	International Conference (Published)
Nysa Maheshwari	219301350	International Conference (Published)
Shivam Vats	219301365	GSoC
Samarth Sawhney	23FE10CSE00207	Award
Rishab Bassi	219301207	Award
Oshika Sharma	23FE10CSE00145	Startup
Pranjali Yeotikar	23FE10CSE00226	Startup
Harsh Agarwal	229301776	Internship(Paid)
Prakriti Mishra	23FE10CSE00493	Internship(Paid)
Sarthak Narang	229301024	Internship(Paid)
Harsh Agarwal	229301776	Internship(Paid)
Prakriti Mishra	23FE10CSE00493	Internship(Paid)
Shashank Kumar	229301743	Internship(Paid)
Vedic Verma	229301024	Internship(Paid)
Arnav Nahar	229301142	Internship(Paid)
Vrinda Bindal	229301214	Internship(Paid)



Name	Reg. Number	Award Category
Abhinav Mishra	23FE10CSE00322	Hackathon Winner
Rahul Samajpati	229301526	Internship(Paid)
Yash Vikram Singh Rathore	229301373	Internship(Paid)
Ranojit Palit	229301014	Internship(Paid)
Rashi Gupta	23FE10CSE00412	Internship(Paid)
Hrishita Sharma	229301055	Internship(Paid)
Sharanya Singh	229310244	Internship(Paid)
Ranojit Palit	229301014	Internship(Paid)
Simran Pandey	229301796	Internship(Paid)
Danush Khanna	229310455	Internship(Paid)

*We congratulate all the students who achieved the Student Excellence Awards for the months of April, May, June!*

# Research Statistics

*At the School of Computer Science and Engineering, Manipal University Jaipur, research forms the core of our pursuit of excellence. Between April and June 2025, our faculty and researchers have actively engaged in impactful academic and innovation-driven activities. From contributing journal articles and conference proceedings to authoring books and book series, their dedication to knowledge creation has been evident across multiple domains. Furthermore, applications for projects and intellectual property rights (IPR) highlight SCSE's commitment to bridging theory with practice and addressing real-world challenges. The summary of these research accomplishments is presented below:*

<u>RESEARCH ACTIVITIES</u>	<u>PUBLICATIONS COUNT</u>
Journal Article	13
Conference Proceedings	21
Book Series	9
Book	3
Projects applied	4
IPR	17

# Placement Highlights

*We are thrilled to announce as well as extend our heartfelt congratulations to the students of the School of Computer Science and Engineering for their outstanding placements this year!*

*Your hard work, determination, and relentless pursuit of excellence have landed you roles in some of the world's most prestigious companies, and we are just as excited for your future as you are. Your success is a testament not just to your talent, but to the spirit of innovation, resilience, and growth that defines our school. You've made us all incredibly proud! As you step into these exciting new chapters of your professional journeys, remember that you carry with you the strength of a vibrant community that believes in your potential.*

*So, once again, congratulations to all, and here's to the future you're building—one code, one idea, and one breakthrough at a time.*

Aadrian Routh	Quantum Machine Learning Student Research Intern
Krish Gupta	Google Summer of Code
Gokul Bansal	Harness
Ira Shrivastava	Veersa
Dibek Todi	Veersa



# Articles

## **The Double-Edged Sword of AI in Modern Cybersecurity**

*By: Anushka Tiwari, 23FE10CSE00798*

Contemporary cybersecurity can be perceived as an ongoing competition between two swiftly evolving utilizations of artificial intelligence: one aimed at safeguarding, while the other seeks to exploit vulnerabilities. On the defensive side, AI serves as a proactive safeguard. Rather than merely scanning for surface-level issues, it analyzes patterns, detects anomalies, and initiates rapid responses to potential threats. By flagging unusual login activity and blocking malware before it can infiltrate a network, AI strengthens stability and resilience in an increasingly complex digital environment.

Meanwhile, cybercriminals are also harnessing AI to expand both the speed and sophistication of their tactics. With it, they can craft convincing phishing attempts, generate new strains of malware at scale, and identify vulnerabilities faster than ever before. This makes malicious activity more precise,

adaptive, and difficult to counter. Because both defensive and offensive strategies draw from the same core technologies, maintaining an advantage is critical. The future of cybersecurity will depend on how effectively protective systems can stay ahead of, or at least keep pace with, those seeking to misuse AI for harmful purposes.



# Connect with Us

*Thanks for reaching the end of this newsletter! We hope you found the content informative and engaging. To stay up-to-date on the various ongoing of the School of CSE, MUJ, be sure to follow us on social media!*

## **Stay Connected!**

*Want to see more exciting content from the CSE department? Follow us on social media for the latest news, events, and announcements!*

*We're looking for insightful and engaging pieces on all things tech. Are you passionate about artificial intelligence, cybersecurity, the latest gadgets, or the future of software development? Share your knowledge and perspectives with us in the form of articles and get a chance to be featured in the next edition of CSE Chronicles 2025!*

*Submit your articles: <https://forms.gle/XoKkWocbAVQHRpFt7>*



**@scsemuj**



**@DCSEMUIJ**