



# ANNUAL REPORT

2024 - 2025





# CSIXHACK4SDG IDEATHON

~Mohammadi Fatima



The Computer Society of India (CSI) MJCET proudly conducted the **CSIXHACK4SDG** Ideathon on October 5, 2024, marking the kickoff of our 2024-2025 academic year. Under the mentorship of Prof. Md. Zainuddin Naveed, this dynamic event aimed to inspire innovation and collaborative problem-solving among students while focusing on solutions that align with the Sustainable Development Goals (SDGs). We witnessed an impressive gathering of 48 teams, each presenting a wide array of innovative ideas.

The teams were divided into two evaluation panels led by distinguished experts: Panel 1 included Syed Maaz Ahmed, Syed Zohaib Abdul Khader, Mehveen Fatima, and Riyazuddin, while Panel 2 comprised Mohammed Ali Dashti, Mohammed Basheeruddin Bilal, and Syed Omer. Each team had 5-6 minutes to present their innovative solutions, and the panels engaged critically with them, selecting five teams from each panel to advance to the next round. This interactive format fostered collaboration and constructive feedback among participants and judges.

From the initial 48 teams, judges shortlisted 10 based on their presentations. Ultimately, 7 teams were selected to represent CSI MJCET at the Indian Institute of Technology Hyderabad (IITH) on October 26, 2024. The shortlisted teams included:

Team Name	Fetchers	Code_blooded	Code Matrix	Tech Geeks	Vision Circle	Byte Knights	Big "oof" Notations
Team lead	Faisal Abdul Qader	Momin Zohara Fathima	Irfaan Hassan Khan	Shaik Samreen	Abdul Rahman Khan	Habeeb Saleh	Syed Shujauddin
Project Title	RoboFet-ch	Nagish app	FarmAssi-st	Flavourfit	QRIAN	Smart sync	Peace, Justice, and Strong Institutions

We are proud to announce that on October 26-27, 2024, at the IITH Ideathon, the team **Big "Oof" Notations** achieved 2nd place, showcasing outstanding innovation and creativity. Their project, the **Anonymous Crime Reporting System**, empowers individuals to report crimes safely and anonymously. Leveraging blockchain technology, the system ensures that each report is immutable and transparent.



Additionally, **Team Byte Knights** received consolation certificates for their impressive contributions. This exciting 24-hour ideathon provided the qualified teams with the opportunity to interact with students from different colleges, making it a valuable networking event filled with amazing experiences and significant learning opportunities.



The **CSixHACK4SDG Ideathon** marked a successful start to the **CSI MJCET** academic year, fostering a spirit of innovation and teamwork. It encouraged students to think critically about sustainable development. The enthusiasm displayed by both participants and judges was commendable, setting a positive tone for future events. The teams proudly represented **MJCET** at IITH, bringing honor to the institution and reinforcing its reputation as a hub of talent and creativity.

## MIND MEETS MACHINE: A PROMPTING COMPETITION

-Mohammed Omer Waheed Khan

On October 25, 2024, the Computer Society of India (CSI) MJCET held its much-anticipated "Mind Meets Machine" event in the Seminar Hall, Block 4, at Muffakham Jah College of Engineering and Technology (MJCET). Building on the success of the recent CSixHACK4SDG Ideathon, this was the second major event of the academic year. The gathering brought together over 80 students from various disciplines, forming 31 spirited teams, each eager to showcase their technical know-how and creative problem-solving.



The event, exquisitely organized by the Associate Chief Coordinators of CSI, unfolded in three rounds that challenged participants to draw on their technical skills, creativity, and a solid understanding of technology. The atmosphere buzzed with excitement as participants geared up for a full day of engaging activities.



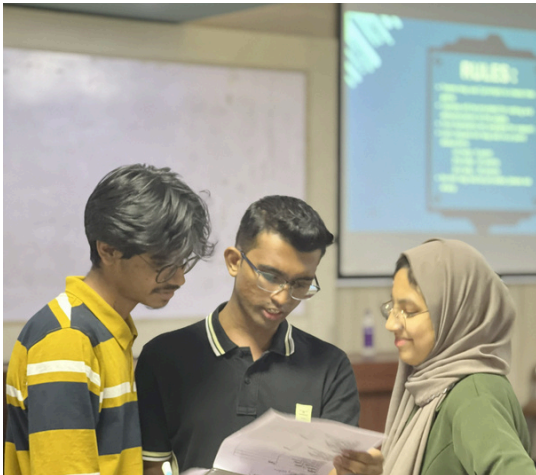
## Event Highlights and Impact

“Mind Meets Machine” wasn’t just a competition; it was an energetic celebration of technology and innovation. By bringing together students from different academic backgrounds, the event cultivated a shared curiosity and passion for tech. Each round pushed participants to expand their knowledge, exercise creativity, and refine their skills in a hands-on, supportive environment. With “Mind Meets Machine,” CSI MJCET continues its mission to nurture tech talent and empower students to become the innovators of tomorrow.

### Tech Trivia Quiz

The competition kicked off with a Tech Trivia Quiz led by Muhammad Affan Asif. This first round tested general tech knowledge with questions spanning foundational concepts to recent advancements. Students from diverse fields, not just Computer Science, joined in, making it a lively and informative session. Quiz Masters—including Omer, Zaina, Tauseef, and Affan—ensured a lively, informative atmosphere. Following the quiz, there was an insightful discussion on Prompt Engineering and Large Language Models (LLMs) led by tech captain Omer, equipping students with skills useful in later rounds.

Following a short break, Round 1 winners were announced. Ten teams advanced to the next round, each demonstrating impressive knowledge and passion for technology.



### LLM Image Generation Challenge

In Round 2, guided by Muhammad Tauseef Banu and judged by Omer and Zaina, the remaining 10 teams paired up to take on the LLM Image Generation Challenge. This round required participants to choose a LLM model and use it to create images based on given prompts, pushing them to dive into the world of AI-driven creativity. Volunteers were present throughout to ensure fair play and prevent any malpractice, contributing to a smoothly run challenge.

### LLM Image Generation Challenge

Round 3: Surprise Game Development Challenge

The third and final round added an element of surprise. The last five teams were tasked with creating a game using only two prompts and the LLM model of their choice. This round, once again led by Muhammad Affan Asif, was a test of adaptability, teamwork, and innovation. Participants had to think on their feet, demonstrating both their LLM knowledge and their knack for game design.

### Acknowledgments

The event concluded with a vote of thanks by Muhammad Affan Asif, who expressed his appreciation to the volunteers, participants, and organizing team for making “Mind Meets Machine” a success. He praised the enthusiasm of all participants and congratulated the winners for their hard-earned victories.



### Winners and Recognition

After a full day of competition, the top three teams were announced and awarded cash prizes:

1. **Data Pirates** – First Place
2. **AI Masters** – Second Place
3. **Haaza** – Third Place

As a special reward, the winning team, Data Pirates, earned an invitation to CSIJ MJCET's prestigious Microsoft event on November 2, 2024, with free admission. These prizes were a testament to the participants' dedication and their ability to excel under pressure.



## DEV EXPEDITION! EXPLORING SDLC INSIGHTS AT MICROSOFT

-Amina Hasanaath

On November 2, 2024, the Computer Society of India (CSI) chapter at MJCET hosted its third great event titled Dev Expedition: Exploring SDLC at Microsoft, offering more than 200 students a valuable opportunity to immerse themselves in the practical aspects of the Software Development Life Cycle (SDLC). Held at Microsoft's campus, this unique event aimed to bridge the gap between academic learning and industry practices, presenting students with insights from experienced professionals and mentors. With careful planning and support, the event was managed smoothly from start to finish under the guidance of Md. Zainuddin Naveed, meticulously coordinated event logistics and guided the CSI team throughout.





The CSE Department at MJCET lent enthusiastic support to the initiative, recognizing the importance of industry engagement for students' professional growth. Principal Dr. Mahipal Singh Rawat and prominent CSE faculty attended to highlight the college's commitment to promoting hands-on learning experiences that prepare students for real-world challenges. The day began with students gathering for registration, where a streamlined color-coded wristband system simplified attendance management and group organization. Following registration, participants enjoyed a breakfast session that allowed for early networking in a relaxed setting. After breakfast, a group photo session took place on campus, capturing the enthusiasm and collective spirit of the participants.

The principal, HOD of the CSE Department, and key faculty members formally sent off the attendees, marking an encouraging start to their journey. At around 10:00 a.m., the students arrived at Microsoft's campus, where they proceeded through security protocols and received visitor badges, offering a firsthand experience of corporate professionalism and security standards.

Upon arrival, the CSI team guided students to the designated hall, where they were warmly welcomed by Taufeeq Noamaan, Chief Coordinator of CSI-MJCET and GitHub Campus Expert, who delivered an inspiring opening address. His remarks underscored the importance of resilience, dedication, and passion in pursuing a career in technology, setting an encouraging tone for the day's proceedings. With support from GitHub as a major sponsor, the event was well-resourced, enabling students to engage deeply with industry-standard tools for version control, project management, and collaboration.

The main event featured a series of sessions led by distinguished professionals who shared valuable knowledge across various technology domains. Shahbaaz Khan, a successful game developer and MJCET alumnus, delivered an in-depth talk on game development, exploring the journey from concept ideation to final release. He highlighted essential stages such as brainstorming, refining concepts, and iterative prototyping, giving students a comprehensive understanding of the creative and technical demands of game design. His session was informative and motivational, as he encouraged students to harness both creativity and technical skills in their work. Following this, Mohammed Nizamuddin Farhaan, an experienced Software Engineer, provided insights into scalable software practices based on his work at companies like Google and Amazon. His presentation emphasized the importance of thoughtful design, load balancing, and scalability strategies.





Continuing the event, Prashant Nandipati, a seasoned DevOps Engineer, introduced students to modern DevOps practices that have revolutionized traditional software development. He explained the alignment of DevOps with Agile methodologies, focusing on CI/CD pipelines and the significance of containerization in streamlined development processes. His talk illustrated how such practices enhance cross-functional collaboration, improve responsiveness to changes, and ultimately drive efficiency in project delivery.



Rounding off the technical sessions, Lekha Grace, a proficient DevOps professional specializing in Splunk, presented the importance of monitoring tools in ensuring system reliability. By detailing the metrics and functionalities provided by tools like Splunk, she demonstrated how proactive monitoring and real-time data analysis play a vital role in maintaining high system performance and providing seamless user experiences.

The event concluded with a formal closing ceremony where each speaker was recognized with a memento, symbolizing CSI's appreciation for their contributions. Additionally, branded items from GitHub were distributed to attendees as keepsakes, commemorating their participation in the Dev Expedition. Rania Mehreen Farooq, the Chief Coordinator of CSI, delivered the vote of thanks, expressing gratitude to the faculty, volunteers, and speakers for their dedicated efforts in making the event a success. Her remarks highlighted the importance of continuous learning and adaptability in the fast-evolving tech landscape, encouraging students to make the most of similar opportunities in the future. In conclusion, Dev Expedition provided attendees with enriching industry insights, valuable networking, and practical knowledge, leaving them well-prepared and inspired to advance in their technology careers.



# CODE SURGE WEB DEVELOPMENT

-Mohammad Fawaz Malik



As the Computer Society of India (CSI) MJCET collaborated with the Entrepreneurship-Cell (E-Cell) MJCET for its annual showdown, The Hack Revolution, a series of pre-Hackathon workshops titled CodeSurge was also organized. The first workshop in the series, focused on Web Development, kicked off with great enthusiasm.

The workshop began with our esteemed speaker, Mr. Zohaib Abdul Khader, a software engineer at Apple, Hyderabad, addressing the audience and providing an overview of the day's agenda. Sharing his inspiring and motivating journey, he emphasized the importance of building social connections and demonstrated how having individual projects can provide a competitive edge in tech interviews.

Following his introduction, Mr. Zohaib transitioned to the main goal of the workshop—guiding participants in creating a simple To-Do list using HTML, CSS, and JavaScript. After completing this interactive session, he addressed participants' questions before concluding Session 1. A lunch break followed, during which refreshments were distributed to participants and volunteers.

Post-lunch, the energy levels were just as high as in the morning. Mr. Zohaib commenced Session 2, which focused on simplifying development processes. He introduced frameworks like Vue and Vite, showcasing how these tools can significantly reduce the effort required for development. Participants recreated the To-Do list using Vue and Vite, following his step-by-step guidance. The session concluded with an engaging Q&A segment, during which Mr. Zohaib answered students' questions about building strong profiles, getting started with Web Development, laying the groundwork for startups, and more.

To make the event more engaging, a quiz was conducted by Syed Shujaiddin, Chief Coordinator of E-Cell MJCET, with attractive cash prizes awarded to the winners. As the workshop wrapped up, the Chief Coordinator, Taufeeq Noamaan, expressed his gratitude to everyone involved.

The first workshop in the CodeSurge series, WebDev, marked an exciting start to this collaborative campaign by CSI MJCET and E-Cell MJCET. It inspired many fresh minds to delve into Web Development, laying a strong foundation for their journey in the field. The enthusiastic participation and the speaker's impeccable guidance were highly commendable. We eagerly look forward to the upcoming CodeSurge workshops and, most importantly, Hack Revolution 2025!





# CODE SURGE APP DEVELOPMENT

-Ruqayyah Zaheer Uddin

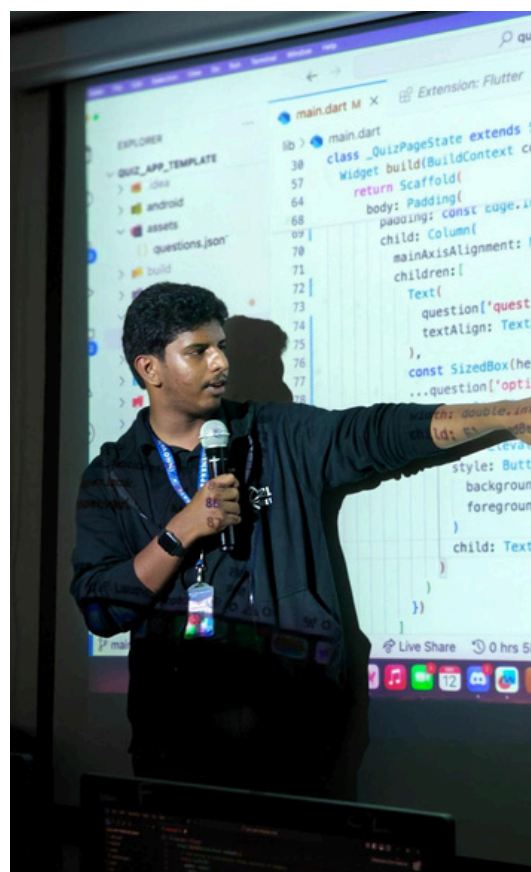
Muffakham Jah College of Engineering and Technology successfully hosted Code Surge – App Development on 12<sup>th</sup> December 2024 at the CIC Lab, Block 2, MJCET. The workshop, designed to introduce first-year students to the exciting field of app development, provided a perfect blend of theoretical knowledge and hands-on learning.



Led by Taufeeq Noamaan and Abid Nafi, the session aimed to equip participants with essential app development skills while inspiring them to explore its practical applications. Conducted from 10:30 AM to 5:00 PM, the event saw an enthusiastic turnout of 51 participants, who actively engaged in interactive sessions, coding exercises, and real-world problem-solving. The workshop fostered innovation and technical expertise, laying a strong foundation for students to delve deeper into mobile application development.

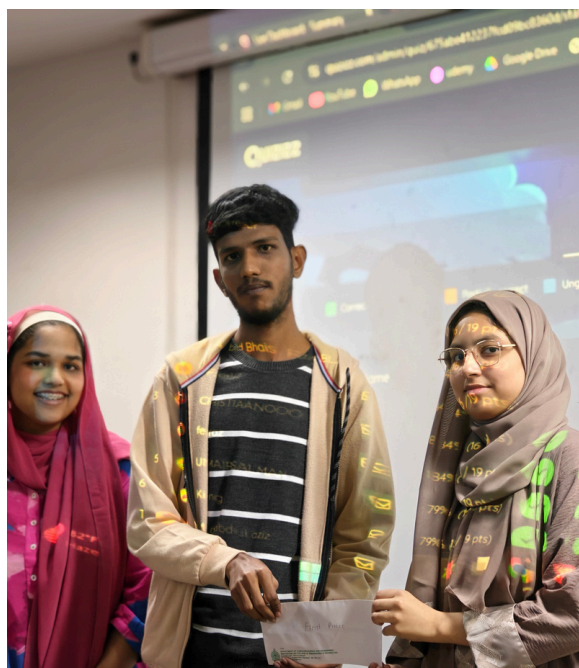
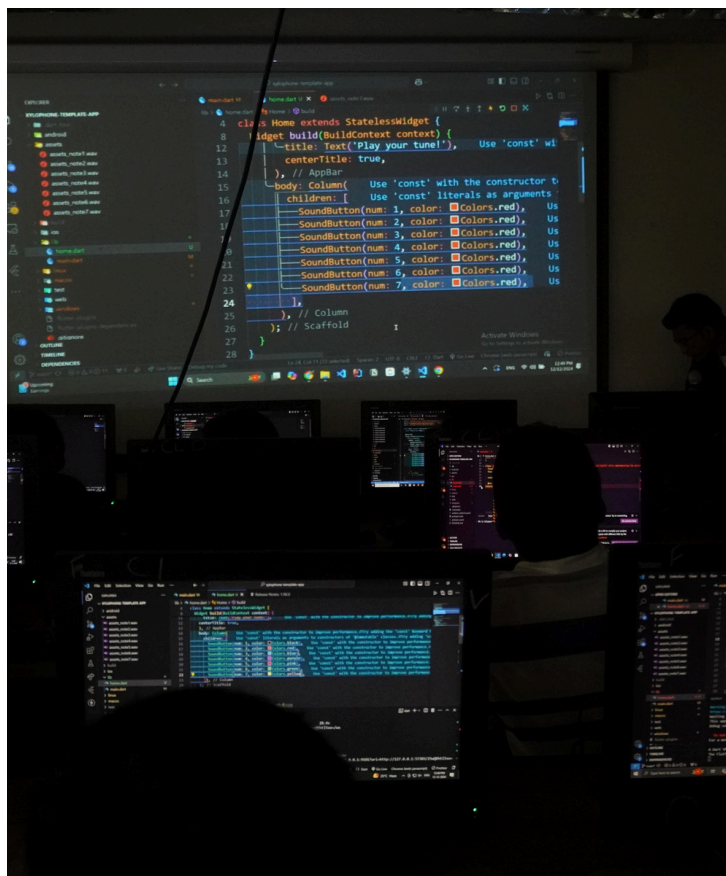
## Session 1: Introduction to Flutter and Xylophone App Development

The workshop focused on establishing a strong foundation in app development, equipping participants with the skills needed to create functional mobile applications. The day was structured into multiple engaging sessions, each designed to enhance both theoretical understanding and practical expertise. Taufeeq Noamaan commenced the workshop with a comprehensive introduction to Flutter, a versatile framework for cross-platform app development. Participants were guided step-by-step in building their first app – a Xylophone app – using Flutter, allowing them to grasp the framework's structure, widgets, and functionality.



## Session 2: Basics of Git and Quiz App Development

The second session, led by Abid Nafi, introduced participants to the fundamentals of Git, a powerful version control system. Attendees learned how to manage and track project changes using Git, an essential skill for collaborative development. Building upon this knowledge, Abid guided participants through the development of a Quiz app, demonstrating practical applications of Git in real-world app development workflows.



## Interactive Quiz and Prizes

An interactive quiz was conducted to assess participants' understanding of the topics covered. Prizes were awarded to the top performers, encouraging active engagement and reinforcing key learnings. Throughout the workshop, refreshments were provided, ensuring a comfortable and focused environment for all attendees. In addition to the sessions, refreshments were provided, ensuring a comfortable and productive environment.

The Code Surge - App Development workshop successfully introduced participants to the fundamentals of app development and version control. The event was well-received, with attendees praising the interactive approach and the expertise of the speakers. The workshop ended on a high note, inspiring participants to continue their journey in app development with newfound skills and confidence.



# CODE SURGE AIML

~Maheeya Wajahat

On December 21, 2024, the Computer Science Department of MJCET, in collaboration with CSI MJCET, E-Cell MJCET, and ACES India Pvt. Ltd., facilitated Code Surge, a workshop on Artificial Intelligence (AI) and Machine Learning (ML). Held in the CIC Lab-Block 2, the event attracted 53 excited students eager to explore this transformative technology.

The session was led by Mr. Mohammed Mubeen Uddin, a passionate coder and accomplished tech enthusiast known for his extensive experience in the field of AI and ML. With a proven track record of winning multiple hackathons and contributing to groundbreaking projects, Mr. Mubeen has cemented his reputation as a dynamic mentor and an inspiring figure in the tech community. His ability to distill complex ideas into accessible knowledge makes him an exceptional educator.



Mr. Mubeen commenced the workshop with an engaging video that immediately captured the audience's attention and set an enthusiastic tone for the day. Leveraging his in-depth expertise, he made AI and ML approachable and relatable to the participants, bridging the gap between theoretical concepts and real-world applications.

The event then proceeded with an insightful overview of how AI is revolutionizing industries and equipping individuals with future-ready skills. Mr. Mubeen shared compelling statistics about the evolution of machine learning, tracing its journey from its inception in the 1950s to its current impact on various sectors. He emphasized AI's pivotal role in solving real-world challenges and contributing to global advancements.

Participants were introduced to Python, a versatile programming language extensively used in machine learning. Mr. Mubeen highlighted Python's user-friendly nature and its importance in building ML models. His demonstration covered Python's core capabilities, providing participants with a solid foundation for leveraging the language in AI applications. The workshop also explored the significance of data in machine learning, encompassing structured, unstructured, and semi-structured datasets. Mr. Mubeen underscored data's role as the cornerstone of successful ML projects, illustrating how it drives impactful outcomes and innovation.



Through an interactive activity, participants experienced real-world AI applications firsthand. Mr. Mubeen guided them through the process of creating an ML model, covering essential steps such as data collection, algorithm selection, and model implementation. This hands-on approach ensured that attendees gained practical knowledge and skills in ML development. Through an interactive activity, participants experienced real-world AI applications firsthand. Mr. Mubeen guided them through the process of creating an ML model, covering essential steps such as data collection, algorithm selection, and model implementation.

This hands-on approach ensured that attendees gained practical knowledge and skills in ML development. Advanced topics, including neural networks and algorithms like K-nearest neighbours, decision trees, and random forests, were also discussed.

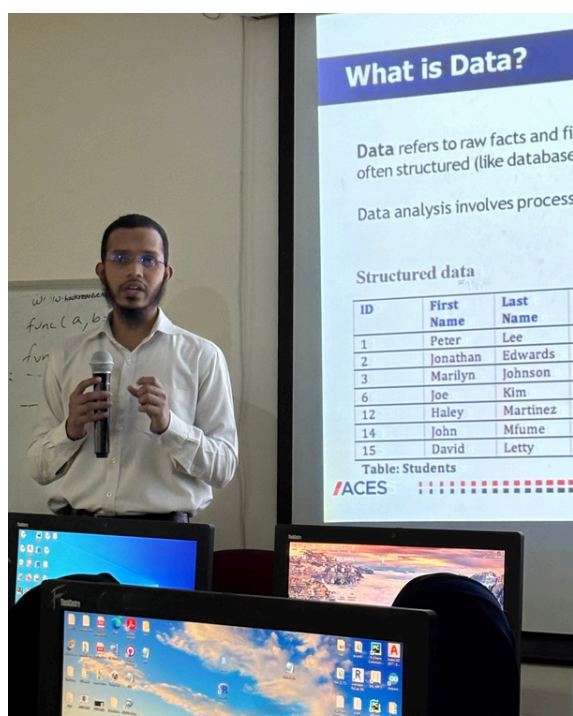
The workshop concluded with an engaging Q&A session, allowing participants to delve deeper into AI concepts. A review of the participants' scores followed, with cash prizes awarded to the top three performers. Certificates were presented to all attendees as a token of their participation. Code Surge emerged as a vibrant and enlightening workshop. Mr. Mohammed Mubeen Uddin's congenial style, passion for coding, and knack for simplifying complex topics made AI and ML both enjoyable and accessible. The event left participants inspired and eager to explore the limitless potential of these cutting-edge technologies.



# DATA ANALYTICS USING TERRAVIEW

-Mohammadi Fatima

Innovation in data analytics begins with understanding the right tools, and the pre-hackathon seminar on Data Analytics Using Terraview was designed to do just that. Held on December 20, 2024, this insightful session served as a preparatory event for participants gearing up for the ACES Hackathon, ensuring that students had a strong foundation in data visualization and analytics before they entered the competition.

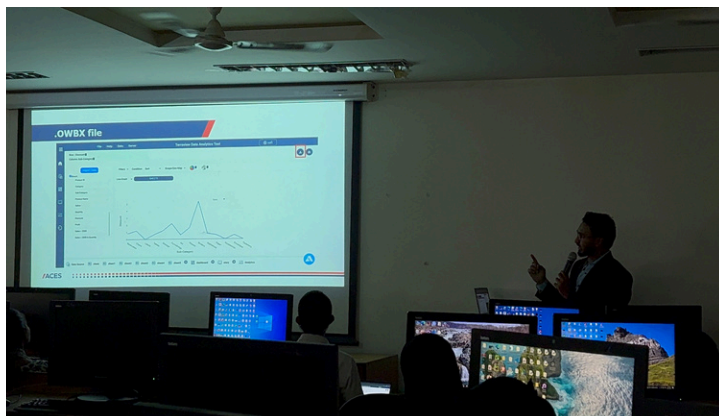


Exploring Data Visualization with Terraview The session was tailored to introduce first-year students to Terraview, a powerful data visualization tool, and demonstrate its real-world applications. The workshop covered fundamental concepts such as data interpretation, pattern recognition, and effective visual storytelling, which are essential for making sense of large datasets. Participants were guided through hands-on demonstrations, where they learned how to transform raw data into insightful visual representations.

## Insights from Industry Experts

The session featured expert insights, offering students a comprehensive overview of how Terraview can be leveraged to build impactful data-driven projects. The seminar emphasized the importance of data visualization in decision-making processes, highlighting how effective visual representation enhances understanding and communication of complex data. This seminar was led by Mazhar Uddin (Senior Software Engineer) and Safi Ur Rahman (Software Engineer), who shared their expertise and guided participants through practical applications of Terraview. Their insights provided students with valuable industry perspectives and best practices in data analytics.

**Wide Participation and Engagement** The event saw 110+ participants from various colleges, including Shadaan, ISL, and KMIT, showcasing a diverse group of students eager to enhance their data analytics skills. The interactive nature of the session allowed students



from different institutions to collaborate and learn from one another, further enriching the experience.

**Insights from Industry Experts Laying the Foundation for the Hackathon** As an official pre-hackathon event, this seminar was strategically designed to prepare students for the main ACES Hackathon by equipping them with the necessary technical skills. The training provided students with a head start, enabling them to confidently utilize Terraview during the hackathon. By the end of the session, attendees had a clearer vision of how to approach data analytics challenges and present their findings effectively.

## HACK REVOLUTION: POWERED BY ACES

-Shakaib Ahmed Mohammed

On January 5, 2025, Muffakham Jah College of Engineering and Technology (MJCET) successfully hosted the highly anticipated 15-hour hackathon, "Hack Revolution 2025," running from 7 AM to 10 PM. Organized in collaboration with the Computer Society of India (CSI) and the Entrepreneurship Cell (E-Cell), and the Institution Innovation Council (IIC) MHRD, MJCET.



The event aimed to nurture innovation, encourage teamwork, and provide participants with a platform to apply their technical expertise to real-world problems.



## Sponsors & Competition Tracks

The event was generously sponsored by Advance Communication and Electronic Systems (ACES), a renowned organization in the technology sector. Participants competed across four distinct tracks:

- Healthcare
- Rural Development and Waste Management
- Open Innovation Software
- Open Innovation Hardware

Each track offered a winning prize of Rs 75,000/-, contributing to a total cash pool of Rs 3,00,000/-.

The competition saw participation from 224 teams representing top institutions across Telangana, including CBIT, CMR, VJIT, CVR, KMIT, NGIT, Narayanamma, VNR Vignana Jyoti, Matrusri, Deccan, ISL, Lords, and others. After an intense initial round, the top 60 teams progressed to the second phase, where they developed their projects from scratch. The day was marked by intense programming and hardware development, as approximately 300 participants dedicated themselves to transforming innovative ideas into fully functional prototypes.

## Building on Past Success

This event was built upon the achievements of the Smart India Hackathon (SIH) 2024, where MJ CET students secured top honors. Two teams from MJ CET emerged victorious at the Indian

Institute of Technology (IIT) Guwahati, Assam, and KCG Tech, Chennai, in the Software Edition, each receiving a ₹1 lakh cash prize. Hack Revolution 2025 continued its legacy of fostering technological innovation and advancing creative problem-solving.

## Assessment & Expert Panel

A distinguished panel of industry professionals and academicians rigorously evaluated each submission based on creativity, impact, feasibility, and technical execution. Throughout the event, judges conducted periodic assessments to uphold the highest standards of innovation and implementation. The expert panel featured:

- Mr. Syed Nisar Ul Haq (Microsoft)
- Md Imran Khan (Deloitte)
- Mohammed Nayeem Uddin (AMD)
- Shadab Alam (Bosch)
- Dr. Mohd Riazuddin (Sri Nidhi University)



The winners of the “Hack Revolution” are as follows:

Track Name	Winner Name	Project Title	College	Prize Amount
<b>Open Innovation Software</b>	Cerebral Sync	Brain Cloud	MJCET	Rs 35,000
	Fantastic 4	Oro - Your Personal Companion	MJCET	Rs 25,000
	Pixel Forge	Alert Stream	MJCET	Rs 10,000
	Sticky Fingers	Patron	VJIT	Rs 5,000
<b>Open Innovation Hardware</b>	The Elite	Adaptive Prosthetic System	MJCET	Rs 35,000
	Team Xotron	Upper body exoskeleton	MJCET	Rs 25,000
	Cognition Robotics	Sentinel - Smart AI Robotics	MJCET	Rs 10,000
	Sentinel	TRM-24	MJCET	Rs 5,000
	ROBOWIZARDS	AGRORAY	MJCET	Rs 5,000
<b>Rural Development and Waste Management</b>	Team Voice	VOICE	MJCET	Rs 35,000
	AdaCode	SvasthMaitri	CMR College of Engineering	Rs 25,000
	HexTech	Waste Management	MJCET	Rs 10,000
	ROKATSU	RuralRenewal.AI	MJCET	Rs 5,000
	Screen Warriors	FARMCONNECT	ISL	Rs 5,000



<b>Healthcare</b>	Team EmpowerHer	FlowCare VI	LIET	Rs 35,000
	Zen Coders	Mental Health Application -A Holistic Solution	KMIT	Rs 25,000
	Techskin	SkinSight	MJCET	Rs 10,000
	Ascension	PawPal	MJCET	Rs 5,000

### Closing Ceremony & Special Guests

The concluding ceremony commenced at 9 PM, where the most outstanding projects were honored with cash prizes and recognition. The event was graced by the presence of Mr. Zafar Javeed, Honorary Secretary of Sultan Ul Uloom Education Society, alongside Dr. Mahipal Singh Rawat, Principal of MJCET, and Dr. Syed Ferhathullah Hussainy, Dean, who expressed their appreciation for the participants' dedication and the event's success.

### Organizing Team & Acknowledgments

Hack Revolution 2025 was a testament to the dedication and collaborative spirit of faculty members, student leads, and volunteers. The event's success was made possible through the invaluable contributions of:

#### Faculty Leadership

- Dr. Syed Ferhathullah Hussainy, Professor and Dean, MJCET
- Md. Zainuddin Naveed, Assistant Professor, CSE, MJCET
- Md Abdul Raheem, Associate Professor, ECE, MJCET
- Dr. Syed Shabbeer Ahmad, Head of CS&ED, MJCET

Their guidance and expertise were crucial in ensuring the event's seamless execution.

## Student Leadership & Coordination

A heartfelt appreciation is extended to the student leads whose unwavering dedication was instrumental in organizing the hackathon. Mohammed Abdul Rasheed, Rania Mehreen Farooq, and Taufeeq Noamaan, Chief Coordinators of CSI-MJCET, along with Syed Shujaduddin and Ayesha Fatima, Chief Coordinators of E-CELL MJCET, played a key role in orchestrating the event. Furthermore, the collective efforts of CSI members, E-CELL representatives, coordinators from various teams, and volunteers from multiple domains significantly contributed to the event's

seamless execution. Their dedication, teamwork, and resilience ensured a smooth and impactful hackathon experience.



Hack Revolution 2025 upheld its tradition of fostering innovation, offering aspiring technologists an exceptional platform to showcase their expertise, tackle real-world challenges, and cultivate a culture of problem-solving and excellence that will continue to inspire future generations.





# CSI EXCELS AT SIH 2024

~Mohammed Affan Asif & Mariya Hussain

## TEAM BYTEKNIGHTS

Our team, BYTEKNIGHTS, had the privilege of participating in the Smart India Hackathon (SIH) 2024, hosted by IIT Guwahati from 10th to 13th December 2024. This report encapsulates our thrilling journey, from taking our first steps on the prestigious campus to achieving a proud victory.



## PROBLEM STATEMENT

Our team chose to tackle Problem Statement 1682, titled "Centralized Automated Solution for Price Estimation & Reasonability". This challenge was aimed at addressing inefficiencies and a lack of transparency in government procurement processes, especially for uncommon products and services. The problem highlighted delays caused by unreliable data and the absence of an automated system for benchmarking prices.

We proposed a solution centered around creating BIDX - A Centralized Price Automation and Reasonability Platform. This web-based tool integrates advanced data analysis and automation to ensure accurate price estimation, enhanced transparency, and a user-friendly interface for officers involved in procurement.

### TEAM BYTEKNIGHTS

- HABEEB SALEH (TEAM LEAD)
- SYED KASHIF MUJTABA
- ABDUR RAAFE AKHEEL
- MOHAMMED ABRAAR
- ZAINA FATIMA ABEDI
- MARIYA HUSSAIN

## THE GRIND

The hackathon began with a bang after an inspiring inaugural ceremony on the morning of 11th December. Energized by the speeches, we delved straight into brainstorming and outlining our approach. Dividing tasks among team members, we focused on building core functionalities such as data scraping, price analysis, and developing a visually intuitive user interface.



We faced multiple challenges, from managing large datasets to integrating Selenium-based automation into our platform. The long hours, late-night coding marathons, and repeated debugging sessions tested our resolve. The snacks and energy drinks provided by the organizers gave us much-needed boosts, but what truly kept us going was the synergy within our team. Everyone played their part with determination, taking on roles ranging from back-end development to UI/UX design.

By the second day, we had made significant progress. Despite the exhaustion, our spirits remained high, buoyed by the encouragement from our mentors and the friendly competition with other teams. We knew that every line of code and every innovative idea we incorporated brought us closer to solving the real-world challenges outlined in our problem statement.

## The Victory Moment 🏆

On the final day, we worked tirelessly to ensure that all components of our solution were seamlessly integrated into one coherent platform. With just minutes left before the submission deadline, we added the final touches and geared up for the presentation.

Presenting to a panel of esteemed judges was nerve-wracking but exhilarating. We demonstrated how Bidex could transform procurement processes by automating price estimation, offering comprehensive vendor comparisons, and generating detailed data visualizations.

The announcement of results was the most awaited moment. When the name BYTEKNIGHTS was declared as the winner for Problem Statement 1682, a wave of joy and relief swept over us. It was a surreal moment, filled with cheers, laughter, and countless photo sessions. The pride in our accomplishment was immeasurable, and sharing the news with our families and friends made it even more special.

## TEAM HEXTECH

For two years, we aspired to make it to the Grand Finale of the Smart India Hackathon (SIH). On 21st November 2024, this dream became a reality when we received the email confirming our selection with Problem Statement SIH1752. That moment felt surreal, a culmination of endless effort, persistence, and determination.



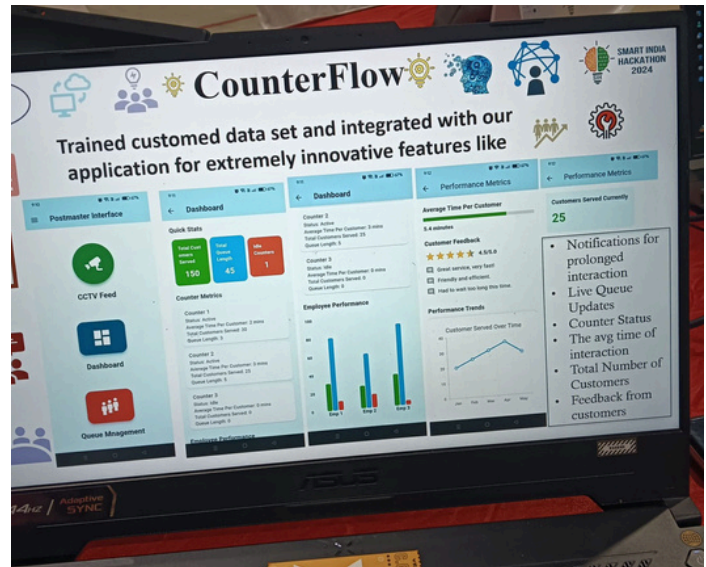
## Challenging the Odds

As third-year students, we faced skepticism. No team from MJCET had ever won SIH in its seven-year history. But we saw this as an opportunity to rise above doubts and prove our capabilities. The excitement of making it to the Grand Finale at KCG College of Technology, Chennai, was unparalleled. Despite the tight timeline, we fine-tuned our project and prepared ourselves mentally for the challenge.

## A Test of Skill and Resilience

The integration process was gruelling. We worked tirelessly through the night, battling technical issues and exhaustion. To lighten our spirits, the college arranged entertainment, including dances and choir performances.

Finally, at 6 AM, after a sleepless night, we managed to fix the integration. Our joy was immeasurable, but the next round of judging at 8 AM brought mixed reactions. Although the judges acknowledged our hard work, they challenged us to elevate our project further.



### TEAM HEXTECH

- MUHAMMAD AFFAN ASIF (TEAM LEAD)
- IBRAHEEM FAROOQ
- SYED IMRAN
- SYED KAREEM FAUZAAN
- MOHAMMADI FATIMA
- AMEENA BEGUM

## The Turning Point

By Round 3 at 4 PM, we were ready to unveil the ace up our sleeve an IP camera integrated with our ML model for a live demonstration. Despite initial hurdles with the camera setup, we persisted.

When the judges arrived, they were visibly excited. They asked us to skip explanations and proceed straight to the demonstration. As we showcased the fully integrated prototype and live CCTV camera feed, the judges were awestruck. Though they tried to mask their reactions, it was evident that we had left a lasting impression.

## The Moment of Triumph

After 36 hours of relentless effort, the judging was finally over. At 8 PM, following an hour of speeches, the results were announced. When they declared Team HexTech as the winner of SIH 2024, emotions overflowed. Tears streamed down my face as I called my mother to share the news. The joy of becoming the first team from MJCET to win SIH was indescribable. Standing on stage, holding the trophy and a check for ₹1,00,000, felt like a dream come true. Our journey wasn't just about winning a competition; it was a testament to resilience, teamwork, and belief. Team HexTech's story is one of breaking barriers, silencing doubts, and showcasing the power of unity and determination. It's a journey that will continue to inspire future innovators and leave a lasting legacy for MJCET.

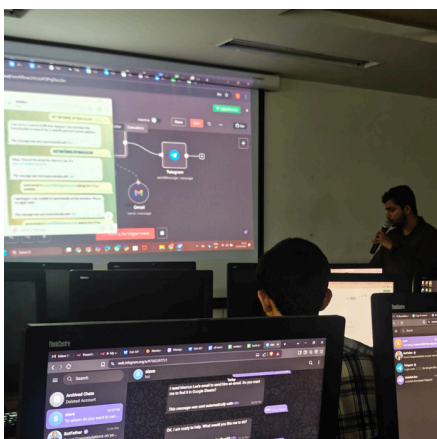
## Acknowledgments

Both the winning teams extend their heartfelt gratitude to Zainuddin Naveed Sir and Ferhath Sir for their unwavering support, mentorship, and belief in our abilities. Their guidance throughout the competition was instrumental in our success. We are equally grateful to our team members, whose dedication, collaboration, and persistence made this achievement possible. Together, we turned challenges into opportunities and ideas into reality.

# AGENTIC AI

-Mohammed Fawaz Malik

On the 23rd of April 2025, CSI MJCET had organized another insightful and amazing event, introducing the participants to one of the latest and booming concepts in today's digital playground, Agentic AI. The event was held at the CIC Lab, Block 2, MJCET and about 30+ aspiring and energetic intellectuals had shown up as participants.



The event started off with Ameena Begum (Tech Head, CSI MJCET) giving a welcome note and laying out the day's agenda. Ameena also introduced the esteemed speakers for the day, Rania Mehreen Farooq (Chief Co-Ordinator, CSI MJCET), Syed Kashif (Tech Captain, CSI MJCET) and Habeeb Saleh (Tech Captain, CSI MJCET). The mic was then passed over to Rania, who gave the participants an introduction to Agentic AI.



The speaker also explored the foundation of it, followed by a brief explanation of the current applications of the new fascinating technology. Rania then further continued by showing the difference between Generative AI and Agentic AI.

Kashif had now taken over and guided the participants to make a Telegram chatbot, where they integrated an AI Voice Assistant and all this was done using the Telegram API, Gmail API and Google Gemini API. During the session, The participants were given a break where refreshments were distributed among them.

Then the event was taken over by Habeeb, who introduced the participants to a low-code platform called n8n, showed how various APIs are accessed and used, and made a basic Weather Forecast model using the OpenWeatherMap API and the Google Gemini API.

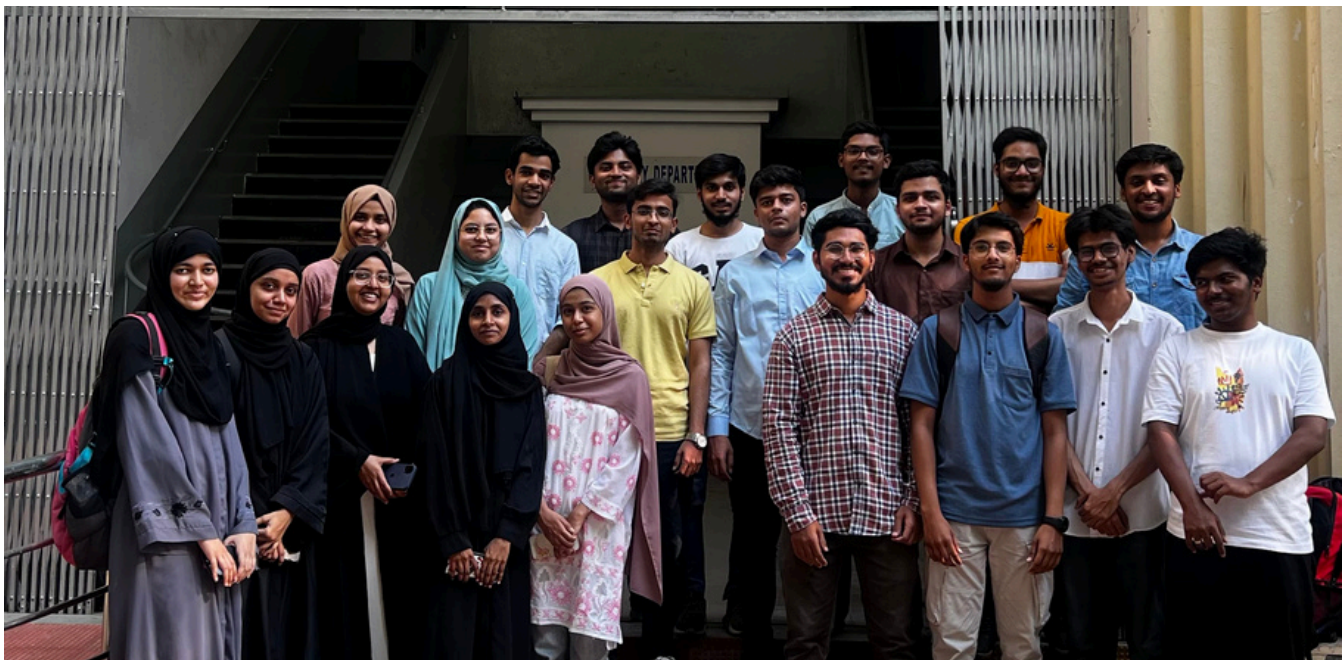


The session was highly interactive, leading the participants' enthusiasm and energy into the right direction. The session ended with a one-to-one doubt clarification session, where the participants asked various questions to the speaker. After the break, The participants came back with refreshed energy and higher enthusiasm and the event resumed. The chatbot creation session was followed by a quick Q&A session, where the participants had the opportunity to get their doubts clarified. The session was very energetic and insightful.



The event was brought to an end by a Quiz session based on the previous sessions, which was conducted by Mohammadi Fatima (Head, Editorial team, CSI MJCET) and Rehmat (Associate Marketing Head, CSI MJCET), then followed by a vote of thanks.

Finally, the Agentic AI event was a power-packed, enriching, and really insightful experience for all the participants. From enlightening sessions and practical implementations to interactive discussions and an interesting quiz, the event perfectly blended learning with innovation. The dedication of the organizing team and the energy of the participants generated an electrifying mood that boosted the curiosity of the participants and encouraged them for deeper exploration into the vibrant world of Agentic AI. With events of such intensity, CSI MJCET continues to develop a community of tech-friendly minds, ready to plunge into the ever-changing digital future.



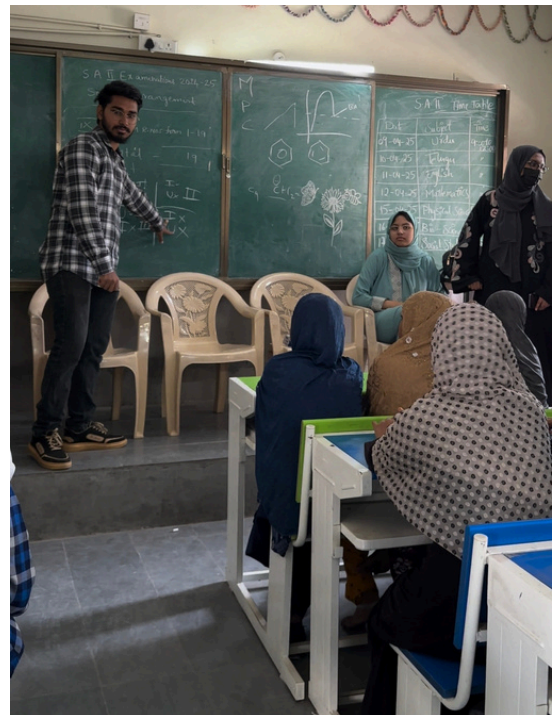
## SCHOOL VISIT

**-Mohammed Abdul Adil**

On April 22, 2025, the members of the Computer Society of India (CSI), MJCET Chapter, visited a government school located in Saroor Nagar, Hyderabad. The purpose of the visit was to conduct an engaging and motivating session for the students. This outreach initiative was aimed at encouraging young minds, especially those from underprivileged backgrounds, by helping them become aware of the different career opportunities available to them and motivating them to pursue their goals with confidence and discipline.



The session began with a warm introduction by Rania Mehreen Farooq, the Chief Coordinator of CSI-MJCET. She spoke to the students about the various academic and professional fields they can explore after completing their 10th standard. She gave an overview of different career streams and how students can choose paths that match their interests and strengths. She also gave a simple yet clear explanation of the engineering field, the types of branches available in engineering, and the different roles engineers play in society.



Following this, Taufeeq Nouman, the Chief Coordinator of CSI, spoke on the topic of mental health. He highlighted the importance of taking care of one's mind and emotions, especially during school years. He shared simple tips like waking up early, spending time in natural sunlight, and practicing daily routines that help maintain a healthy mind. His talk focused on how these small, consistent habits can improve focus, reduce stress, and build a positive mindset.

After that, the session became more interactive as the members asked students questions to keep them engaged and encouraged them to speak up. Then, Mr. Mohammed Abdul Adil, the Deputy General Secretary of CSI-MJCET, gave an impactful talk on time management. He explained how to organize daily tasks by understanding what is important and urgent. Using real-life examples, he helped students learn how to plan their studies and daily schedules in a way that reduces stress and increases productivity.

Other members of the CSI team also shared meaningful talks on various topics that matter to young students. These included building good habits, avoiding harmful addictions, staying physically active, the importance of reading and writing, and the value of discipline in daily life. Each speaker shared practical advice that students could relate to and apply in their everyday routine.



The event concluded with a question-and-answer session where the students asked thoughtful questions. The CSI members patiently answered each one and encouraged the students to keep learning and exploring new ideas. As a token of appreciation, gifts were given to students who participated actively during the session. Additionally, books and chocolates were distributed to all students to make the experience more memorable.

Overall, the visit was a success. It not only helped the students learn valuable lessons but also gave the CSI members a chance to give back to the community by guiding and supporting the next generation.

## BEYOND THE CURVE

~Mohammed Fawaz Malik

On 20th June, 2025, the CIC Lab, Block 2 at MJCET was full of excitement as students came in for “Beyond The Curve”, an event that didn’t just talk about tech, but also helped redefine how it’s understood. Organized by CSI-MJCET, this wasn’t just an event but an open session for conversations with the minds behind some of the world’s biggest innovations. From the very first word itself, the questions started to pour in, and it became a constant exchange of dialogues between the students and the speakers. The curious minds of the students were ignited, sparked by the influential speeches of the speakers.



The whole event was divided into two sessions, each of which was led by a different speaker. The first session was led by Mr. Kamran Ahmed, a respected senior software engineer at Microsoft. Mr. Kamran started by introducing himself. The speaker mainly focused on what actually are the requirements to step into big tech companies.

**Mr. Kamran stated the three fundamental requirements:**



**Mastering the basics:** Building a strong foundation in the core concepts of Computer Science such as Data Structures and Algorithms (DSA), Operating Systems, System Design, etc. The speaker called them "The non-negotiables", to emphasize on the importance of the basics.

**Practicing like Professionals:** Real- world coding, according to Mr. Kamran, isn't just memorizing functions and syntax, or being the fastest on Leetcode. It is about consistently solving problems and addressing every bug as a new lesson. The speaker highlighted the benefits of consistent problem solving, and how it helps when you're tackled by a real-world problem.

**Creating a Culture:** Mr. Kamran urged the students to stop working as lone wolves. The speaker brought into light how teamwork, community efforts, coding contests, open-source collaborations, etc. help build ecosystems which helps a lot of students and sparks new innovations

The second session was led by Mr. Nizamuddin Farhaan, an SDE 3 at Google. As soon as Mr. Farhaan took up the stage, the atmosphere shifted again. He brought with him clarity, simplicity, and reflections from his own life, along with lots of advices for anyone who is trying to navigate through college life along with preparing themselves for the outside world. The speaker mainly highlighted the following points:



- **Project With Purpose:** Mr. Farhaan's primary advice was to make projects that matter. Whether it's a web app, a game, or a machine learning model, every project should address a real-world problem, should be purposeful, and should demonstrate a specific skill.
- **Creating a Portfolio:** Mr. Farhaan suggested that in the current era of digital galleries such as GitHub, LinkedIn, etc. one should create their own portfolio which directly reflects their technical growth, collaborative efforts, and creativity.
- **Explore, Experiment, execute:** College, according to Mr. Farhaan, is the perfect place for one to explore different domains, fail and discover one's niche. The speaker suggested students to diversify their interests and explore them as much as possible.



The most unforgettable moment of the event, The QnA Session. The attendees were brimming with excitement as they had so many questions for the speakers. The way the mic was passed on in the session was unpredictable. It was a full-blown, real-time conversation between the speakers and the students. The attendees spoke up about their insecurities, doubts, barriers, and the technical issues they were facing. And the response were purely fueled by personal experiences and honesty. The session was full of questions, where each answer lead to another question, and each insight lead to a moment of realization.

"Beyond the Curve" wasn't just another tech talk, it was an interactive session where curious minds ignited and got a chance to interact directly with industry experts from two of the world's most influential tech giants.





# TECH NOVA PROJECT EXPO BY CSI MJCET

-Mohammed Abdul Adil & Mohammadi Fatima

On July 2nd, 2025, the Computer Society of India MJCET successfully conducted their last event of the tenure, Tech Nova powered by GitHub, a project exhibition where members of CSI-MJCET presented their projects. The journey of this expo began months before, where members attended various workshops on foundational technologies like Web Development, App Development, and AI &. In these workshops, the participants were given an exposure to various domains of knowledge with a hands-on experience. They were made to build projects and ask doubts to the speakers. They were part of an interactive session that enhanced their technical skills. After the learning phase, there were project mentors who coordinated various projects and guided the learners throughout the project completion. The students have gained valuable insights by attending these internal workshops.



The event began around 10:00 am with a project presentation by the participants. A total of 40 teams presented their projects in front of a panel of judges comprising esteemed alumni of MJCET. The skills they learnt were now displayed in real life. Most of the students were from first and second years, showing enthusiasm for learning and building projects. While the judging was in progress, the event venue was abuzz with parallel activities. A series of technical games was conducted on the sidelines, open to both CSI members and the general college audience. These games were designed to be both fun and intellectually stimulating. A coupon system was introduced, where participants earned coupons for each game they won. These coupons were later used to determine the winners of the technical events.

Meanwhile, in Lab 6, a separate technical presentation session was conducted. Here, selected students presented abstracts on specific topics, diving into theoretical and conceptual discussions. This segment functioned as an academic sub-event within Tech Nova, providing a platform for students to articulate and share their research-oriented ideas. The winners of the technical presentation will receive a cash prize on the annual day of CSI. At 1:00 PM, lunch was provided to all the participants and volunteers, offering a welcome break and time to network. Post-lunch, the judging process resumed, with the remaining teams completing their presentations.



Simultaneously, participants engaged in the photo booth, capturing memories with their teammates, faculty, and peers. As the day progressed towards its conclusion, the results of the technical games were announced. Based on the number of coupons collected, the top nine participants were selected and awarded exciting prizes. Their performance reflected not only technical skill but also enthusiasm and active participation. To wrap up the event, CSI-MJCET provided a feedback frame to collect responses and suggestions from attendees. Participants also received GitHub swags and cheat sheets as souvenirs and learning resources, adding value to their overall experience.



As the day progressed towards its conclusion, the results of the technical games were announced. Based on the number of coupons collected, the top nine participants were selected and awarded exciting prizes. Their performance reflected not only technical skill but also enthusiasm and active participation. To wrap up the event, CSI-MJCET provided a feedback frame to collect responses and suggestions from attendees. Participants also received GitHub swags and cheat sheets as souvenirs and learning resources, adding value to their overall experience.



As the day progressed towards its conclusion, the results of the technical games were announced. Based on the number of coupons collected, the top nine participants were selected and awarded exciting prizes. Their performance reflected not only technical skill but also enthusiasm and active participation.



To wrap up the event, CSI-MJCET provided a feedback frame to collect responses and suggestions from attendees. Participants also received GitHub swags and cheat sheets as souvenirs and learning resources, adding value to their overall experience.



Tech Nova, sponsored by GitHub, was more than just a project exhibition—it was a celebration of learning, mentorship, and innovation. It showcased how consistent effort, structured guidance, and collaborative learning can empower students to build impactful projects and gain the confidence to present them to the world.



# EDITORIAL TEAM

SHAKAIB AHMED MOHAMMED

GENERAL SECRETARY

MOHAMMED ABDUL ADIL

DEPUTY GENERAL SECRETARY

MOHAMMADI FATIMA

EDITORIAL HEAD

MOHAMMED OMER WAHEED KHAN

EDITORIAL HEAD

MAHEEYA WAJAHAT

ASSOCIATE EDITORIAL HEAD

AMINA HASANAATH

ASSOCIATE EDITORIAL HEAD

AYESHA MIRZA

CORE TEAM

MOHAMMED FAWAZ MALIK

CORE TEAM

RUQAYYAH ZAHEERUDDIN

CORE TEAM

TABREZ KHAN

CORE TEAM

MOHAMMED AYAZ KHAN

CORE TEAM

SYEDA NOOR FATIMA

DESIGN HEAD



@csi\_mjcet



csi@mjcollege.ac.in