BVV Sangha, Bagalkot
AMRUTA INSTITUTE OF ENGINEERING & MANAGEMENT SCIENCES
Approved by AICTE, New Delhi
Recognized by Government of Karnataka & Affiliated to VTU, Belagavi

AIEMS BENGALURU

IIC 6.0 in association with Department of

INFORMATION SCIENCE AND ENGINEERING

SMART INDIA HACKATHON-2K25

PRESENTS

TECHNO-QUEST-3.O – Internal Hackathon

IIC Convener

Dr. Prathibhadevi Tapashetty

SPOC

Dr. B. I. D. Kumar

FACAULTY COORDINATOR

Mr. Vivek

Mr. Utham

Mr. Nagangouda

STUDENT COORDINATORS

Mr. Simon Leo Alexander

Mr. Nirvan M

INTRODUCTION

The Smart India Internal Hackathon – TechnoQuest 3.0 was organized by the Institution Innovation Council (IIC) 6.0 in association with the Department of Information Science and Engineering and the Coding Club of BVV's Amruta Institute of Engineering and Management Sciences (AIEMS).

Held on the 29th and 30th of September 2025, this internal hackathon served as the qualifying round for the Smart India Hackathon (SIH) 2025, a national initiative that encourages students to develop innovative solutions to real-world problems.

The event witnessed enthusiastic participation from students across various departments, who presented projects in domains such as Artificial Intelligence, Machine Learning, Agriculture, Healthcare, Education, and Sustainability. Over two days, teams collaborated intensively to brainstorm, design, and develop prototypes addressing contemporary challenges.

A distinguished judging panel evaluated the teams based on innovation, feasibility, technical execution, presentation, and social impact. The panel included:

1. Dr. Mahantesh Mathapati – Professor
2. Dr. Anitha N – Assistant Professor
3. Dr. Vinod Kumar Biradar – Associate Professor
4. Mr. Vijaya Kumar Yadhav – Assistant Professor
5. Mr. Naganagouda K. H. – Assistant Professor

Following rigorous evaluation, the best-performing teams were selected to represent AIEMS in the Smart India Hackathon 2025, and their details were uploaded to the official SIH portal by the Institute SPOC, Dr. Kumar B. I. D.

The event was successfully coordinated by the AIEMS Coding Club, under the leadership of Mr. Simon Leo Alexander and Mr. Nirvan M. (5th Sem ISE). Their efforts ensured smooth execution and a professional hackathon experience for all participants.

EVENT FLOW

29th September 2025

- 10:00 AM – 11:30 AM | Inauguration Function: The event was officially inaugurated with welcome addresses, an overview of the hackathon, and motivational talks by the dignitaries, setting an inspiring tone for the participants.
- 11:30 AM – 1:30 PM | Project Setup & Table Allocation: Teams set up their workstations, organized project materials, and received assistance from volunteers for Wi-Fi connectivity and seating arrangements.
- 1:30 PM – 2:30 PM | Lunch Break: Participants refreshed, networked with peers and mentors, and discussed initial ideas and strategies for their projects.
- 2:30 PM – 4:00 PM | Project Development: Teams actively began developing, testing, and refining their solutions with guidance from mentors, marking the start of hands-on innovation.

30th September 2025

- 9:00 AM – 11:00 AM | Hackathon: Participants continued coding and implementing their projects, collaborating effectively and troubleshooting challenges in a competitive environment.
- 11:00 AM – 1:30 PM | Judging of Projects: Expert judges evaluated each project on innovation, feasibility, technical implementation, presentation, and potential societal impact.
- 1:30 PM – 3:00 PM | Lunch Break: Participants took a break to relax, interact with mentors, and share insights before the final session.
- 3:00 PM onwards | Valedictory & Prize Distribution: Winners were announced, prizes and certificates were distributed, and closing remarks inspired participants to continue their innovation journey.
- 4:00 PM | Hackathon Ended: The event concluded successfully, leaving all participants with a sense of accomplishment, valuable experience, and motivation to innovate further.

INAUGURATION FUNCTION

The Smart India Hackathon – TechnoQuest 3.0 was formally inaugurated on 29th September 2025 at 10:00 AM, marking the official commencement of a two-day journey of innovation and creativity. The ceremony began with a pleasant devotional invocation song, creating a serene and focused atmosphere, followed by the traditional Deepa Archané (Lighting of the Lamp), symbolizing the light of knowledge, innovation, and the spirit of learning. This ceremonial start not only set an auspicious tone but also instilled a sense of enthusiasm and motivation among all participants, faculty members, and guests present.

The inauguration featured addresses by distinguished chief guests and dignitaries, who shared their insights on the importance of innovation, creativity, and problem-solving in today's rapidly evolving technological landscape. Dr. Santosh M. Muranal, Principal of Amruta Institute of Engineering and Management Sciences, delivered the welcome address, emphasizing the institution's commitment to fostering a culture of innovation, entrepreneurship, and practical learning. He encouraged students to actively engage with the hackathon, highlighting it as a platform to translate their ideas into impactful solutions.

Dr. Rajeshwar Kadadevaramath, Dean of AIEMS, stressed the significance of events like TechnoQuest 3.0 as a bridge between academic knowledge and real-world problem-solving. He inspired participants to explore creative approaches, embrace challenges, and push the boundaries of technology while working collaboratively in their teams.

The session also featured an insightful talk by Dr. Prathibhadevi Tapashetty, Professor and IIC Convener, who elaborated on the objectives of the Institution Innovation Council, highlighting its role in nurturing young innovators, promoting research, and encouraging entrepreneurship. She encouraged participants to leverage the hackathon as an opportunity to experiment, prototype, and refine solutions to contemporary societal challenges.

Dr. B. I. D. Kumar, HOD of the Department of Information Science and Engineering, addressed the students with guidance on technical excellence, discipline, perseverance, and teamwork, reminding them that effective collaboration and innovative thinking are key to succeeding in competitive environments like hackathons.


You Don't Have
To Be Great To
Start, But
You Have To Start
To Be Great.
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PROJECT SETUP AND TABLE ALLOCATION

During this phase, dedicated volunteers and coordinators assisted the teams in arranging their workstations efficiently. Support included setting up laptops, connecting to Wi-Fi networks, ensuring uninterrupted power supply, and organizing project-related materials. Each team was guided to their designated table, with careful attention to space management, ensuring that all teams had adequate room for collaboration and smooth project execution.

Beyond the physical setup, this session also provided teams with an opportunity to review and finalize their project plans, assign specific roles among team members, and align on their development strategies. Participants were encouraged to discuss approaches, divide tasks based on individual expertise, and identify the key milestones for their projects. This preparatory phase was crucial in helping teams visualize the workflow and prioritize tasks for the subsequent coding and prototyping sessions.

By addressing all logistical concerns in advance, participants were able to focus entirely on developing innovative solutions without interruptions, setting a professional and productive tone for the remainder of the event.

LUNCH BREAK AND PROJECT DEVELOPMENT

The lunch break, scheduled from 1:30 PM to 2:30 PM, provided participants with a valuable opportunity to refresh, relax, and recharge after the morning sessions. It also served as a networking interval, allowing students to interact with their peers, discuss initial ideas, and share insights with mentors. This break not only helped participants regain energy but also offered time for informal discussions, team strategy refinement, and exchanging feedback on project concepts, setting the stage for a focused and productive afternoon.

Following the lunch break, the Hackathon session commenced at 2:30 PM, marking the beginning of intensive hands-on development. Participants actively engaged in coding, prototyping, and testing their solutions, translating their ideas into functional models. Teams collaborated efficiently.

This session laid the foundation for the hackathon's core objective: fostering innovation through hands-on experience.

JUDGING OF PROJECTS

The Project Judging phase, conducted on 30th September 2025 from 11:00 AM to 1:30 PM, was one of the most critical components of TechnoQuest 3.0, providing teams with a formal platform to showcase their innovative solutions. Each team presented their projects in detail, demonstrating technical implementation, design efficiency, functionality, and potential societal impact. This phase allowed participants to highlight the thought process behind their solutions, the challenges they overcame, and the creativity involved in transforming ideas into practical prototypes.

The distinguished judging panel, comprising Dr. Mahantesh Mathapati (Professor), Dr. Anitha N (Assistant Professor), Dr. Vinod Kumar Biradar (Associate Professor), Mr. Vijaya Kumar Yadhav (Assistant Professor), and Mr. Naganagouda K. H. (Assistant Professor), evaluated the projects meticulously. Each team was assessed on a comprehensive set of criteria, including innovation, feasibility, technical accuracy, creativity, presentation skills, and real-world applicability, ensuring a holistic and fair evaluation.

The Project Judging phase not only highlighted the technical competence and problem-solving abilities of the participants but also encouraged them to think critically about the impact and scalability of their projects. By combining evaluation, feedback, and interactive discussion, this phase played a pivotal role in shaping the final outcomes of the hackathon, preparing teams for the valedictory ceremony and prize distribution, and inspiring them to pursue further innovation in the future.

VALEDICTORY AND PRIZE DISTRIBUTION

The Valedictory Ceremony and Prize Distribution marked the grand conclusion of TechnoQuest 3.0 on 30th September 2025, beginning at 3:00 PM.

During the ceremony, the judges and chief guests addressed the participants, sharing their insights on the importance of innovation, collaboration, and real-world problem-solving.

The highlight of the session was the announcement and felicitation of the winning teams. Teams were awarded prizes and certificates, recognizing their outstanding performance, technical creativity, and innovative approach to solving the problem statements. The winners of TechnoQuest 3.0 were:

1. ElectroSpark
2. Ice
3. Team AIML
4. Team Beta
5. Pixel Pirates
6. Alpha

Each winning team was commended not only for their technical competence but also for their teamwork, originality, and effective presentation, which set them apart during the judging process. The felicitation served as both recognition and motivation, inspiring all participants to continue innovating and pursuing opportunities like the Smart India Hackathon 2025.

The valedictory session also included reflections on the learning experiences and takeaways from the hackathon. Participants shared their thoughts on teamwork, problem-solving, and practical implementation, highlighting how the event helped them sharpen their skills, think critically, and collaborate efficiently under a competitive yet supportive environment.

By 4:00 PM, the event officially concluded, leaving participants with a profound sense of accomplishment, learning, and inspiration. The successful culmination of TechnoQuest 3.0 not only celebrated talent and innovation but also reinforced AIEMS’s commitment to fostering a culture of creativity, technical excellence, and entrepreneurial thinking among its students, encouraging them to pursue larger challenges in the future.


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CONCLUSION

The Smart India Internal Hackathon – TechnoQuest 3.0 provided an excellent platform for students to demonstrate creativity, technical skills, and problem-solving abilities. Over two days, participants collaborated, brainstormed, and implemented innovative solutions to real-world challenges, highlighting the importance of teamwork, time management, and strategic planning.

From the inauguration and project setup to the hackathon sessions, judging, and valedictory ceremony, the event offered a comprehensive learning experience. Teams received guidance from mentors and constructive feedback from judges, fostering a culture of continuous improvement and innovation.

In summary, TechnoQuest 3.0 was not just a competition but an enriching educational experience that inspired students to innovate boldly, collaborate effectively, and push the boundaries of their creativity.

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Head of Department

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IIC Convener

Dr. Rajeshwar Kadadevaramath
Academic Dean

Dr. Santosh M Muranal
Principal