



**IEEE
SMC**
Systems, Man, and Cybernetics Society



BNM Institute of Technology

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IEEE Systems, Man, and Cybernetics Society (SMCS) Student Chapter

List of Events Conducted in the year 2025-26

Sl No	Type of the Event	Date	Resource person/s (With detail)	Title of Event/talk	No. of participants
1	Coding Competition	02-04-2026	-	GeoTech Codeathon	52
2	Workshop	09-03-2026 to 12-03-2026	Mr. Ravi Kumar Chinnaswamy Technology Consultant Snipe Tech Pvt Ltd	Workshop on Cyber Security	204
3	Industrial Visit	05-03-2026	-	Industrial Visit to Infosys Campus, Mysore	40
4	FDP	27-10-2025 to 31-10-2025	Mr. Raghu Prasad K S, CEO, Kaushalya Technologies, Bengaluru Dr. Krishna Kant Singh Director, Delhi Technical Campus, Greater Noida Dr. Jagriti Saini COE, Eternal Restem, Chandigarh	FDP on GenAI and Agentic AI	87
5	Technical Talk	30-10-2025	Dr.Chandrakanta Kumar, IEEE Bangalore Section chair, Deputy Project Director, Chandrayaan-2, U R Rao Satellite Centre (URSC) ISRO	IEEE SMCS chapter Inauguration and Technical Talk on Effects of AI	80
6	Coding Competition	15-10-2025	-	BUGFIX - Debugging event	52

Office-bearers 2024- 25

Sl.no	USN	Name	Sem	Designation
1	1BG22CS141	SANJAY M	7	Chair
2	1BG22CS043	DUMPA REVANTH VENKATA SAI	7	Vice Chair
3	1BG22CS089	NEHA P	7	Treasurer
4	1BG23CS049	HARSHITHA N C	5	Secretary
5	1BG23CS159	SRUSTI M	5	Social Media and Public Relations Manager
6	1BG23CS098	OJAS SINHA	5	Webmaster

Faculty Advisor: Dr. Deepak D J, Associate Professor, Dept. of CSE, BNMIT

Office-bearers 2025-26

Sl.no	USN	Name	Sem	Designation
1	1BG24CS079	Kruti A B	4	Chair
2	1BG24CS085	L Chaithanya Reddy	4	Vice Chair
3	1BG24CS078	Kishan K S	4	Treasurer
4	1BG24CS086	Laasya Prashanth	4	Secretary
5	1BG24CS125	Prabhav Pandey	4	Social Media Manager
6	1BG24CS057	Gurukrishna Narayanan	4	Public Relations Manager
7	1BG24CS032	Chaitra Mahaning Bagoji	4	Webmaster

Faculty Advisor: Dr. Chetan R, Associate Professor, Dept. of CSE, BNMIT



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27th Cross, 12th Main, Banashankari 2nd Stage, Bengaluru, 560070.

Department of Computer Science and Engineering

Report on

Inauguration of - “BNMIT IEEE Systems, Man, and Cybernetics Society (SMCS) Student Chapter”

The Department of Computer Science and Engineering at BNM Institute of Technology (BNMIT) successfully hosted the inaugural function of the IEEE Systems, Man and Cybernetics Society (SMCS) Student Branch Chapter on Saturday, 30th August 2025. The event took place in Seminar Hall A215 and marked a significant step forward in fostering student engagement in systems engineering, automation, robotics, and cybernetics under the prestigious IEEE banner.

The chief guest for the event was Dr. Chandrakanta Kumar, Chair of the IEEE Bangalore Section. The proceedings were presided over by Dr. S. Y. Kulkarni, Additional Director and Principal. Other distinguished dignitaries in attendance included Dr. Krishnamurthy G. N., Deputy Director; Prof. Eishwar N. Maanay, Dean; and Dr. Chayadevi M. L., Professor and Head of the Department of Computer Science and Engineering.

Programme Flow and Highlights

The program’s Master of Ceremony was Harshitha N C, a 5th Semester CSE student, who handled the ceremony flow in an efficient and seamless manner.

The program commenced at 11:30 am with an invocation rendered by Srusti M, a 5th Semester CSE student, setting up a serene and formal tone for the day.

Following the invocation, the Lighting of the Lamp ceremony was performed by the dignitaries present along with active IEEE student members, symbolizing enlightenment and the beginning of a new academic journey.

The Welcome Address was delivered by Dr. Chayadevi M L, Professor and Head of the Department of CSE, BNMIT, who emphasized the importance of IEEE societies in shaping the future of technology and student innovation.

Then, Sanjay M, a 7th Semester CSE student, presented a brief session titled “About IEEE SMCS” and introduced the Office Bearers of IEEE SMCS. His presentation highlighted the mission, goals, and global contributions of the IEEE SMCS, emphasizing its role in advancing theories and applications related to systems and cybernetics.

Next, Neha P, a 7th Semester CSE student, introduced the Chief Guest, Dr. Chandrakanta Kumar, Chair of IEEE Bangalore Section, who was then honored by the institution, recognizing his remarkable contributions to Indian space missions and advancements in antenna systems.

Dr. Chandrakanta Kumar delivered an inspiring address, sharing his expert insights into how rapidly evolving technology is shaping the future of industries and research. He spoke about the critical role that IEEE plays in bridging the gap between students and cutting-edge technological advancements, providing a platform for learning, networking, and global collaboration.

Dr. Chandrakanta Kumar encouraged every student to actively join IEEE societies, especially IEEE SMCS, to gain exposure to innovation, professional development opportunities, and real-world problem-solving experiences.

The event continued with an address by Prof. Eishwar N. Maanay, Dean, BNMIT, who highlighted the institution’s commitment to supporting such academic and professional development initiatives. He encouraged students to actively participate in the IEEE SMCS to broaden their technical perspectives.

Conclusion

The event concluded with a heartfelt Vote of Thanks delivered by Dr. Deepak D J, IEEE SMCS Faculty Advisor, expressing gratitude to all the dignitaries, speakers, student coordinators, and attendees for making the event a grand success.

The inauguration of the IEEE SMCS Student Branch Chapter at BNMIT marks a new era of academic excellence and technological leadership. The event was well-received by faculty, students, and professionals alike, and is expected to lead to a range of technical workshops, seminars, competitions, and collaborative projects in the future.

The following photos were captured during the inauguration.



Figure 1: Lighting the Lamp



Figure 2: BNMIT teaching and non-teaching Staffs and CSE Students



Figure 3: Felicitating Dr. Chandrakanta Kumar



Figure 4: Dr. Chandrakanta Kumar addressing the gathering



Figure 5: Group Photo of Dignitaries and IEEE Members



B N M Institute of Technology

An Autonomous Institution under VTU

Report of “GeoTech Codeathon 2026”



IEEE SMC
Systems, Man, and Cybernetics Society

Title of the Event:

“GeoTech Codeathon 2026”

Date: 2nd April, 2026

Time: 9:30 AM

Venue: M Block, M-104, BNMIT

Participants: 26 teams

Organized by:

IEEE Computer Society (CS) – BNMIT Student Branch Chapter

IEEE Systems, Man, and Cybernetics Society (SMC) – BNMIT Student Branch Chapter

IEEE Geoscience and Remote Sensing Society (GRSS) – BNMIT Student Branch Chapter

B.N.M. Institute of Technology (Autonomous), Bengaluru

Overview :

The GeoTech Codeathon 2026, organized collaboratively by the IEEE Computer Society (CS), Systems, Man and Cybernetics Society (SMC), and Geoscience and Remote Sensing Society (GRSS) at BNMIT, was a competitive and intellectually stimulating coding event aimed at enhancing problem-solving skills among students. The event brought together enthusiastic participants to engage in multiple rounds of technical challenges designed to test their coding proficiency, analytical thinking, and debugging abilities. Participants were given the opportunity to compete using programming languages such as C, C++, and Java in a dynamic and challenging environment.

Event Proceedings :

1. The event commenced with the registration of participants, followed by a brief introduction to the Codeathon, its objectives, and the rules governing each round. Participants were grouped into teams of two members each.
2. The first round consisted of a coding challenge where participants were required to solve a set of problems within a stipulated time. This round focused on assessing the participants' understanding of programming concepts and their ability to write efficient code.
3. The second round involved debugging tasks, where teams were presented with faulty code snippets. Participants were required to identify errors and correct them, testing their logical thinking and attention to detail.
4. The final round included analytical and problem-solving challenges designed to evaluate participants' ability to approach complex problems systematically and creatively.
5. Throughout the event, participants actively engaged in discussions, collaborated with teammates, and demonstrated strong technical and analytical skills. The competitive environment encouraged innovation, quick thinking, and teamwork.
6. The event concluded with the announcement of winners and the distribution of prizes. The top three teams were awarded cash prizes in recognition of their outstanding performance.

Objective :

- To provide a platform for students to enhance their coding and problem-solving skills.
- To encourage teamwork and collaboration among participants.
- To promote logical thinking and analytical abilities through competitive challenges.
- To create awareness and interest in technical domains related to programming and computation.
- To strengthen engagement among IEEE student members through technical events.

Outcomes :

The GeoTech Codeathon 2026 was a successful event that fostered technical excellence, teamwork, and innovation among participants. The event provided a challenging yet engaging platform for students to showcase their skills and learn through competition. It reflected IEEE's commitment to promoting technical knowledge and collaborative learning among students. The program concluded on a positive note, with enthusiastic participation and appreciation from all attendees, paving the way for more such impactful technical events in the future.

Event Images :



B.N.M. Institute of Technology, Bengaluru

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Department of Computer Science and Engineering

INDUSTRIAL VISIT REPORT Visit to Infosys Campus, Mysuru

Faculty Coordinators: Dr. Deepak D J, Dr. Chaitra M, Dr. Nandini G

Title of the Event: Industrial Visit to Infosys

Date of Visit: 05 March 2026

Time: 9:00 AM – 5:00 PM

Venue: Infosys Campus, Mysuru, Karnataka, India

Resource Person: Mr. Vinay, Infosys, Mysuru

Number of Students Attended: 49

Number of Faculty Attended: 2

1. Introduction

The Department of Computer Science and Engineering, B.N.M. Institute of Technology and IEEE Systems Man and Cybernetics Society (SMCS) Student Branch Chapter, organized a one-day industrial visit to the Infosys Campus, Mysuru on 5th March 2026 for undergraduate students. The objective of the visit was to provide students with practical exposure to the working environment of a leading IT organization and to help them understand real-world applications of concepts learned in the classroom.

Infosys is a globally recognized company that provides technology services, consulting, and digital transformation solutions. The visit aimed to bridge the gap between academic learning and industry practices.

2. Overview of the Infosys Mysuru Campus

The Infosys Mysuru campus is recognized as the largest corporate training center in the world. Spread across more than 300 acres, the campus is designed like a self-sufficient mini city with modern infrastructure and world-class training facilities.

Key features include the Global Education Centre with more than 200 classrooms, training facilities capable of accommodating over 14,000 trainees at a time, residential accommodation and hostels for trainees, food courts, recreational areas, gymnasiums, sports facilities, and advanced laboratories for emerging technologies such as artificial intelligence and cloud computing.





3. Session by the Resource Person

The session during the visit was conducted by Mr. Vinay from Infosys, who provided insights into the functioning of the IT industry and the operations of Infosys.

Students learned about software development lifecycle in large organizations, collaboration among development teams, project management practices used in the IT industry, and emerging technologies used in modern software solutions.

Students were introduced to several modern technologies used in the IT industry, including Artificial Intelligence, Machine Learning, Cloud Computing, Digital Transformation Technologies, and Generative AI.

These technologies are widely used in sectors such as healthcare, finance, e-commerce, and transportation to develop intelligent solutions and improve efficiency.

4. Career Guidance and Industry Expectations

The resource person provided guidance on career opportunities in the IT industry. Students were encouraged to strengthen programming fundamentals, problem-solving skills, communication abilities, and teamwork.

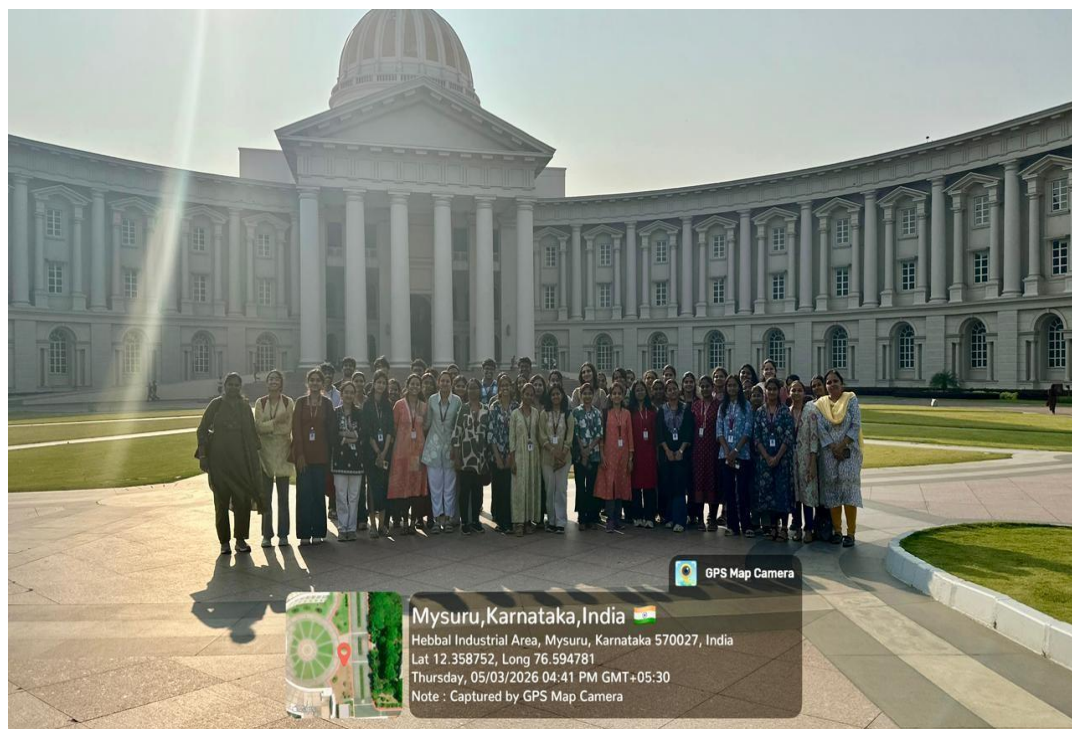
The importance of continuous learning, internships, certifications, and project-based learning was also highlighted as essential for improving employability.

The industrial visit helped students understand the working environment of a leading IT company, gain exposure to industry practices and technologies, learn about large-scale software development processes, and connect academic knowledge with real-world applications.

5. Conclusion

The industrial visit to the Infosys Mysuru campus was highly informative and beneficial for the students. It provided valuable exposure to the corporate environment and helped students understand how modern IT organizations operate. The visit also motivated students to enhance their technical skills and prepare for successful careers in the technology industry.

The Department of Computer Science and Engineering expresses sincere gratitude to Infosys Mysuru and Mr. Vinay for facilitating this educational visit and sharing their valuable industry knowledge with the students.

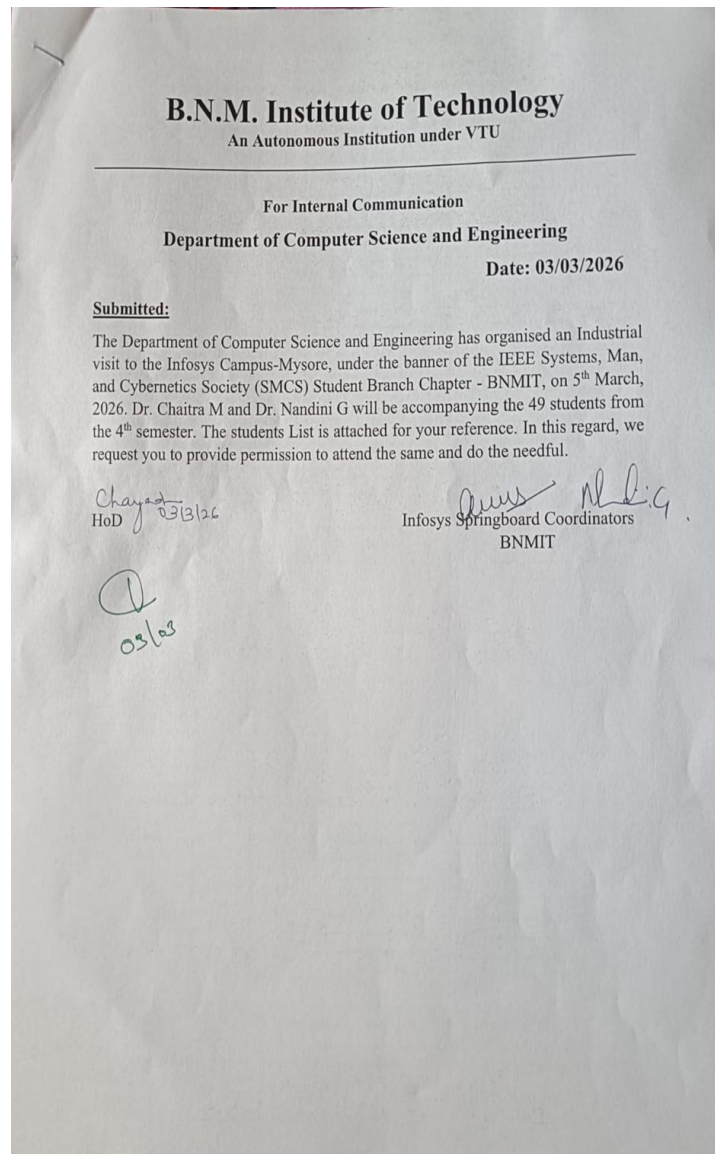


Student Review

The industrial visit to the Infosys Mysuru campus was a very enriching learning experience. It gave us an opportunity to observe the professional working environment of a leading IT company.

The exposure to advanced technologies such as Artificial Intelligence, cloud computing, and digital transformation was particularly interesting. Visiting the Global Education Centre and learning about the large-scale training infrastructure at Infosys was inspiring. Overall, the visit helped us understand how the concepts we learn in the classroom are applied in real-world industry scenarios.

Roshini BP, 4th Sem, B Section, B.E, CSE, BNM Institute of Technology



B.N.M. Institute of Technology

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Department of Computer Science & Engineering

List of students visiting Infosys campus Mysuru

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B. N.M. Institute of Technology

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Department of Computer Science and Engineering

FDP Report on “Gen AI & Agentic AI: Redefining Intelligence for Tomorrow”

A five day FDP on Gen AI & Agentic AI was organized by Department of CSE, BNMIT in association with Kaushalya Technologies and IEEE SMCS student branch chapter from 27th to 31st October 2025.

The FDP commenced with an inaugural session introducing the theme “Gen AI & Agentic AI: Redefining Intelligence for Tomorrow.” **Mr. Raghu Prasad K. S.**, CEO of Kaushalya Technologies, Bengaluru, led both sessions. He discussed Generative AI applications in education and its transformative potential. Day two continued under the guidance of **Mr. Raghu Prasad K. S.** The sessions delved deeper into Generative AI frameworks and architectures. Day 3 session focused on the evolution, capabilities, and risks associated with deepfake technologies. **Dr. Krishna Kanth Singh** explained how generative models, especially GANs and diffusion models, enable the creation of hyper-realistic synthetic media. **Dr. Jagriti Saini** delivered an insightful session on “From GPT to Agentic AI: The Evolution of Intelligent Systems”, explaining the transformation of artificial intelligence from rule-based systems and machine learning to modern generative models and the emerging era of agentic AI. Day 4 sessions featured two distinguished speakers who shared their expertise on emerging AI technologies. **Dr. Akansha Singh**, Professor at Bennett University, Greater Noida, delivered a talk on “Agentic AI: Building Blocks of Intelligent Autonomy.” Following this, **Dr. Rajani Shree M**, Professor in the Department of CSE, BNM Institute of Technology, Bengaluru, presented a session on “Generative AI for Health Care.” A session titled “Building AI That Acts: Foundations and Frontiers of Agentic Systems” was conducted by **Dr. Raghuram Bharadwaj**, Assistant Professor, IIIT Bengaluru on Day 5. An insightful session on “Generative AI and Their Applications” was delivered by **Dr. Kavita V. Horadi** and **Dr. Swetha M. D.**, Associate Professors, Department of CSE, BNMIT, Bengaluru. The valedictory session of the Faculty Development Programme was conducted by **Priyanka S** and **Aashitha L. Shamma**, Assistant Professors, Department of CSE, BNMIT, Bengaluru. The session marked the successful conclusion of the FDP, summarizing the key insights and learnings gained throughout the program.



Five Days FDP

on

Gen AI & Agentic AI: “Redefining Intelligence for Tomorrow”

From 27th - 31st Oct. 2025

Organized by

Department of Computer Science & Engineering

In Association with

Kaushalya Technologies



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- **Dr. S Y Kulkarni**, Additional Director & Principal, BNMIT
- **Dr. Krishnamurthy G N**, Deputy Director, BNMIT
- **Prof. Eishwar N Maanay**, Dean, BNMIT,
Trustee, BNM Charities

Organizing Chair

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- **Dr. Anitha N**, Professor
- **Dr. Kavita V Horadi**, Associate Professor
- **Dr. Amith Shekar C**, Associate Professor
- **Dr. Deepak D J**, Associate Professor
- **Prof. Devi Naveen**, Assistant Professor
- **Prof. Priyanka S**, Assistant Professor
- **Prof. Kavyashree S**, Assistant Professor
- **Prof. Aashitha L Shamma**, Assistant Professor

Registration

Registration Fee Rs.500/-

Certificates shall be issued to those participants who attend the program with minimum 80% attendance. The number of participants is limited to 50 on first come first serve basis.

Last Date for Registration: 21st October 2025

Scan to Register



Scan to Pay



Registration Link: <https://surl.li/hlncaw>



Mode of conduction:

Hybrid mode.



About BNM Institute of Technology:

BNMEI – B.N.M Educational Institutions was established by the trust Bhageerathi Bai Narayana Rao Maanay Charities in the year 1972. The Managing Trustee Shri. N. Raghunath Rao Maanay along with Prof. Sunanda P Jadhav the founder Secretary and Principal founded the institution with a focused vision to impart value-based quality education irrespective of social, financial or religious status. Prof. Sunanda P. Jadhav strived to provide education at affordable cost especially to the girl child and her unstinted efforts yielded highly commendable results. From a humble beginning the BNM group of Educational Institutions is now a leader in the field of education, providing the most modern education while maintaining the rich cultural heritage of the great India.

Education starts at BNM offering Montessori system to Tiny Tots at the tender age of two and half years in the BNM Montessori House. BNM is an amalgam of Educational Institutions consisting of BNM Montessori House, BNM Primary School (State Syllabus), BNM High School (State Syllabus), BNM Public School (Central Syllabus), BNM PU College, BNM Degree College and BNM Institute of Technology.

About Department of Computer Science and Engineering:

The Department of Computer Science & Engineering started in 2001 with an intake of 60 students and the present intake is 180. The Department is renowned for imparting quality education with well-qualified and dedicated faculty members, who are experts in various domains of Computer Science & Engineering and strive for an exceptional career growth for the students.

The Department offers undergraduate and postgraduate programmes in Computer Science & Engineering. A well-equipped Research &

Development (R&D) Center, affiliated to VTU, has been set up to cater to the needs of the research scholars, as they conduct cutting-edge research towards doctoral degrees.

The Teaching-learning process put in place by the Department is well defined to help students explore the trending technologies via Skill Development Programmes organised by the industry-institute Interaction Cell. Students are also encouraged to improve their performances in the University examinations through Performance Enhancement Classes.

The Innovative Project Labs (IPL) of the R&D Center encourages and equips the faculty and students to uncover innovative ideas, which are also funded through the Innovation & Entrepreneurship Development Cell (IEDC) to ensure prototyping to validate the ideas.

About the FDP:

Conducting a Faculty Development Program (FDP) on “Gen AI & Agentic AI: Redefining Intelligence for Tomorrow”, with an emphasis on practical experience with AI tools, an understanding of AI ethics, and the promotion of innovation in academic settings. FDP on Generative AI (GenAI) and Agentic AI seeks to give educators the knowledge and skills they need to incorporate these cutting-edge technologies into their research, teaching, and curriculum development.

About Kaushalya Technologies

Kaushalya Technologies has the intention of bridging the gap between the expectation of the industry and the skills of the students/professionals.

FDP Objectives: -

- Knowledge Enhancement in GenAI and Agentic AI are: to give a thorough grasp of the foundations of GenAI and Agentic AI, including

large language models (LLMs), GPT, GANs, and the underlying mathematical ideas.

- **Skill Development:** To give academic staff members hands-on experience with AI technologies for tasks including lesson planning, content production, automating research workflows, and creating AI-powered solutions.
- **Curriculum Integration:** To enable teachers to create AI-focused curricula and incorporate AI-powered approaches into their instruction.
- **Ethical Awareness:** To promote appropriate application of AI in society and education. **Digital Leadership:** To equip educators with the skills they need to lead their institutions' embrace of AI and digital transformation projects.

Resource Persons

Mr. Raghu Prasad K S CEO, Kaushalya Technologies, Bengaluru
Dr. Krishna Kant Singh Director, Delhi Technical Campus, Greater Noida
Dr. Akansha Singh Professor, Bennett University, Greater Noida
Dr. Raghuram Bharadwaj Assistant Professor, IIT, Bengaluru
Dr. Jagriti Saini COE, Eternal Restem, Chandigarh
Dr. Rajanishree M Professor, BNMIT, Bengaluru
Dr. Kavita V Horadi Associate Professor, BNMIT, Bengaluru
Dr. Swetha M D Associate Professor, BNMIT, Bengaluru



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Department of Computer Science and Engineering

Report on

“IEEE SMCS BNMIT Debugging Contest: BUG FIX”

The Department of Computer Science and Engineering at BNM Institute of Technology (BNMIT) successfully hosted BUG FIX, a thrilling debugging competition under the IEEE Systems, Man, and Cybernetics Society (SMCS) Student Chapter, on Wednesday, 15th October 2025. The event took place in Lab M104 from 2:00 PM to 4:00 PM, providing students with a platform to test their debugging skills in C programming.

Programme Flow and Highlights

The event began with a brief address by Dr. Deepak D J, Faculty Coordinator, IEEE SMCS BNMIT, who welcomed the participants and emphasized the importance of debugging skills in programming.

The student organizers – Ojas Sinha, Harshitha N C, and Srusti M, all 5th Semester CSE students – then explained the rules and format. The teams had 1 hour to identify and correct the errors. Participants worked on C programs running on VirtualBox Ubuntu, each team analyzing buggy programs and noting errors on evaluation sheets. The total marks were 25. Points were awarded based on problem difficulty: Easy - 1 point, Medium - 3 points, Hard - 4 points, with partial marking for partially correct solutions. Participants demonstrated excellent problem-solving, coding accuracy, and teamwork under the time constraint.

After evaluation, the top 3 teams were awarded prizes:

- 1st Place (₹1000): Arnab Sadhu (1BG24CS023) and Harsha Y (1BG24CS062) from 3rd Semester CSE
- 2nd Place (₹800): Namitha Shrinidhi Sharma (1BG24CS104) and Maya P (1BG24CS097) from 3rd Semester CSE
- 3rd Place (₹600): Nagastuti K N (1BG24CS101) and Manya N (1BG24CS096) from 3rd Semester CSE

All participants received E-certificates for their enthusiastic participation.

Conclusion

BUG FIX successfully encouraged analytical thinking, debugging expertise, and collaborative skills among students. The event was well-received and marked another successful initiative by the IEEE SMCS Student Chapter at BNMIT, paving the way for more competitive and engaging technical events in the future.

The following photos were captured during the event:



Figure 1: BUG FIX rules and guidelines displayed for participants

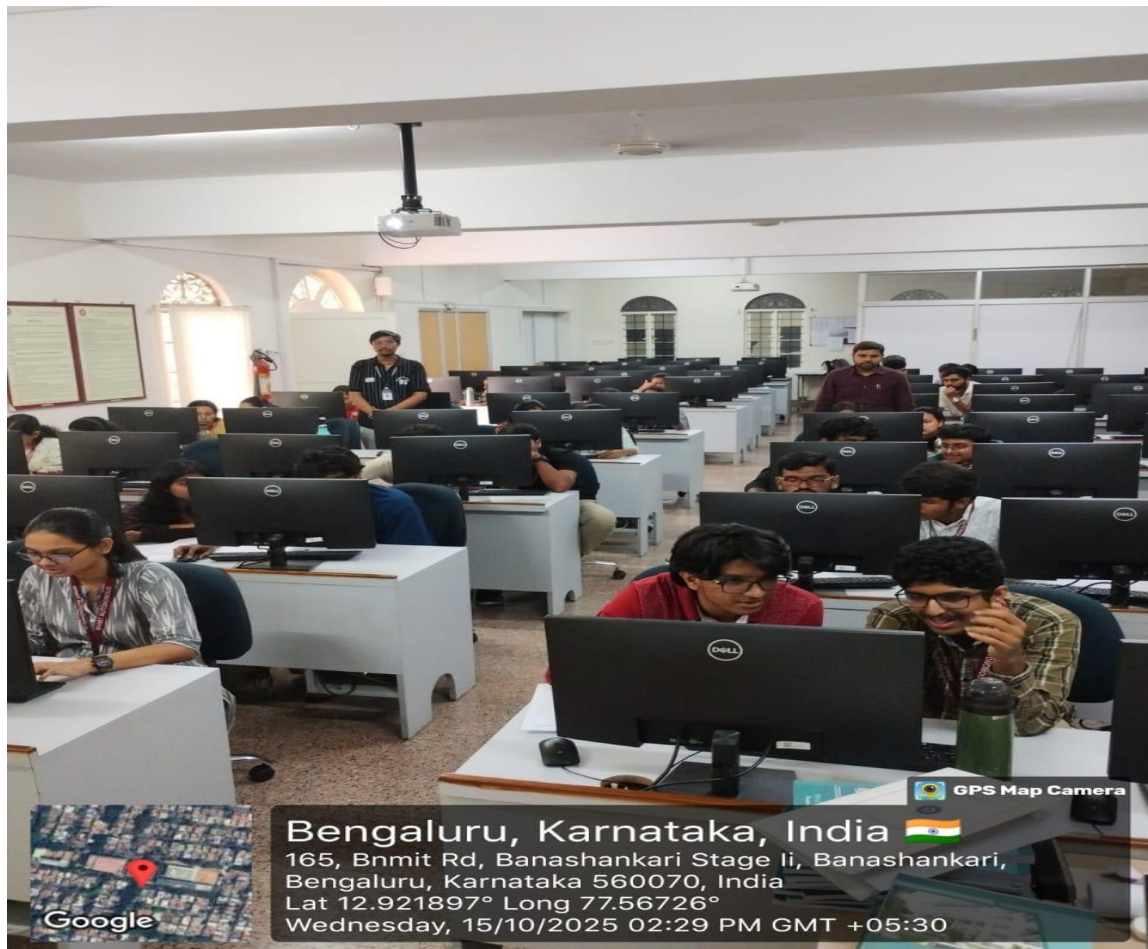


Figure 2: Participants debugging C programs in Lab M104



Figure 3: Participants interacting with organizers to clarify doubts during the competition



Figure 4: Dr. Deepak D J presenting the 1st prize to the winning team



Figure 5: Dr. Deepak D J presenting the 2nd prize to the winning team

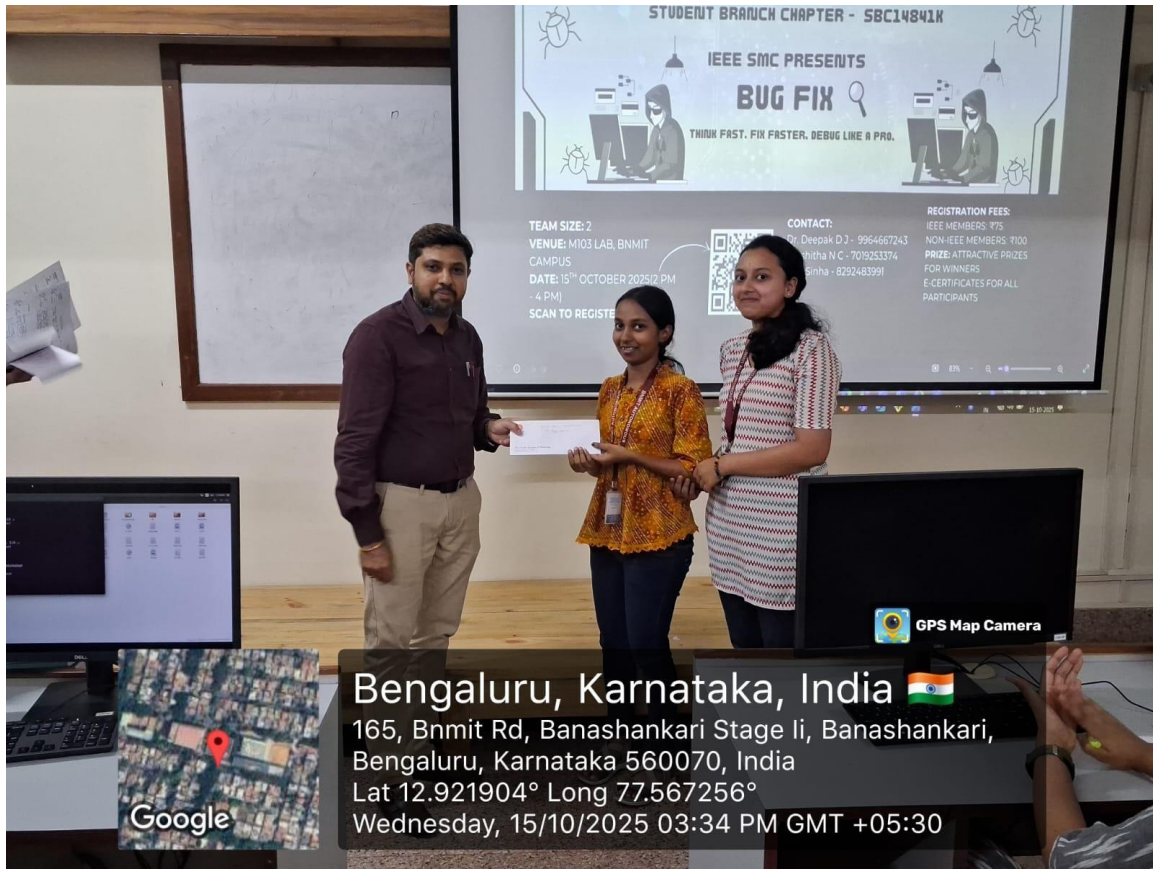


Figure 6: Dr. Deepak D J presenting the 3rd prize to the winning team