MANGALORE INSTITUTE OF TECHNOLOGY & ENGINEERING

(A Unit of Rajalaxmi Education Trust®, Mangalore)
Autonomous Institute affiliated to VTU, Belagavi, Approved by AICTE, New Delhi Accredited by NAAC with A+ Grade & ISO 9001:2015 Certified Institution

Department of

BASIC SCIENCE AND HUMANITIES

IGNITIA
SCIENCE FORUM

ANNUAL REPORT

2025-2026

Department of

BASIC SCIENCE AND HUMANITIES

Table of Content

Sl. NO.	Activities	Page Number
1	Inauguration of the Science Forum & Technical Session	5-7
2	National Education Day Celebration & Activities	8-9
3	National Pollution Control Day-2025 Technical Session	10-12
4	National Mathematics Day	13-14
5	National Science Day	15-17
6	Three-Day Hands-On Workshop on Calculus in Modeling & Simulation: *From Theory to Industrial Innovation*	18-21
7	World Environment Day-2026	22-24
8	AICTE Activity Point Programme for AY 2025-26	25-26

IGNITIA-SCIEMCE FORUM

COMMITTEE 2025-26

The following are the details of the IGNITIA Science Forum Committee constituted for the academic year 2025–26. The Forum is an exclusive platform for first-year Engineering students to foster curiosity, exploration, and collaboration through meaningful discussions on the latest advancements in Science and Technology.

Sl. No	Name & Designation	Representation
1	Dr. Prashanth C M, Principal	**Advisor**
2	Dr. Jyothi S, Professor & Head, Department of Mathematics	**Chairperson**
3	Dr. Mitra K, Assistant Professor, Department of Mathematics	**Convener**
4	Ms. Prathvi, Assistant Professor, Department of Physics Dr. Pavithra G P, Senior Assistant Professor, Department of Chemistry Mr. Suraj Shet, Assistant Professor, Department of Civil Engineering Ms. Keerthana, Assistant Professor, Department of Humanities	**Faculty Advisors**

Office Bearers of IGNITIA Science Forum for the year 2025-26

SL. No	Section	USN	Name of the student	Position
1	C	4MT25AE044	Syed Mahin	President
2	A	4MT25CS220	Tanvika Poojary	Vice President
3	I	4MT25CI030	Nidish Subhash	Vice President
4	B	4MT25EC085	Rakshak R Shetty	Secretary
5	J	4MT25MT034	Poojitha B Shetty	Secretary
6	H	4MT25IS060	Kishore S	Treasurer
7	G	4MT25EC008	Amarnath D	Cultural Co-ordinator
8	M	4MT25CS246	Vishrutha V Kini	Cultural Co-ordinator
9	A	4MT25IS133	Sharan Shetty	Sports Co-ordinator
10	N	4MT25CS152	Ritu Naik	Sports Co-ordinator

INAUGURATION OF THE SCIENCE FORUM

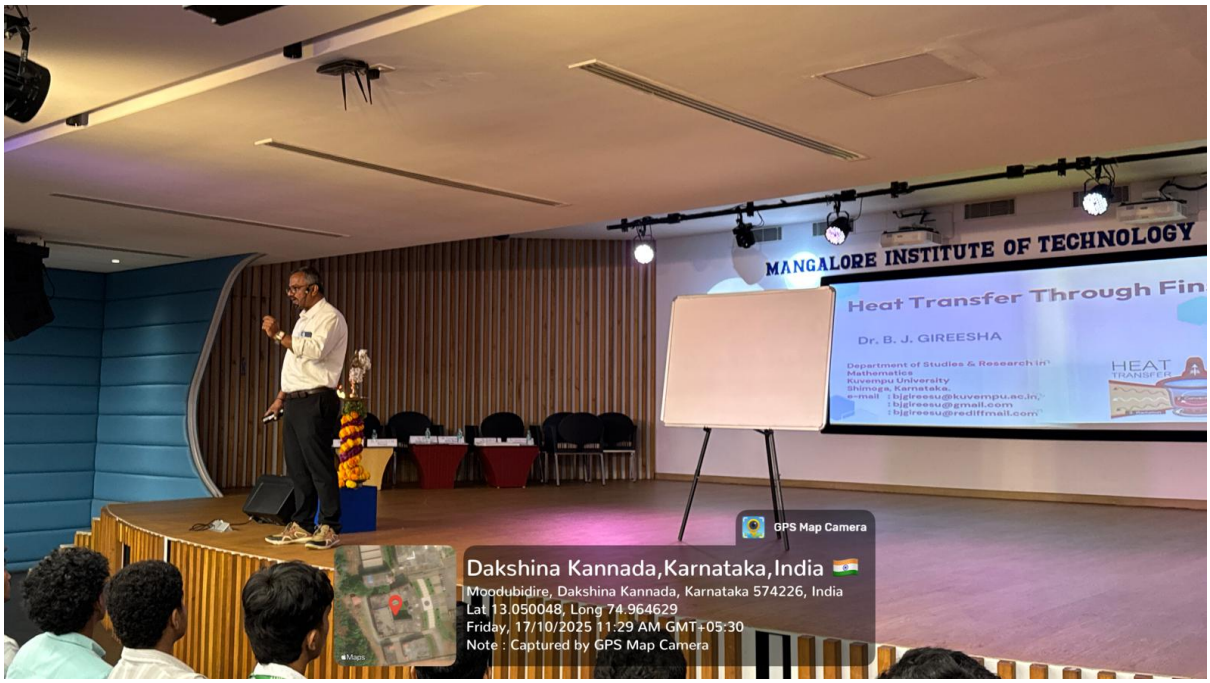
The Department of Basic Science & Humanities, in association with the Institution's Innovation Council (IIC), inaugurated the Science Forum, IGNITIA, on 17th October 2025 at Mangalore Institute of Technology & Engineering (MITE), Moodabidri. The forum aims to promote scientific curiosity and interdisciplinary learning among first-year engineering students. The event began with a prayer, followed by a warm welcome from Dr. Jyothi S, Head of the Department of Mathematics. The formal inauguration was marked by the ceremonial lighting of the lamp, symbolizing knowledge and enlightenment.

The digital unveiling of the forum logo and the name IGNITIA was carried out by the Chief Guest, Dr. B. J. Gireesha, Professor, Department of P.G. Studies and Research in Mathematics, Kuvempu University, Shivamogga. The office bearers of the forum were introduced and honored with badges. The student representatives, including the President, Treasurer were elected along with that Vice Presidents, Secretaries, Sports and Cultural Coordinators (for Physics and Chemistry cycles) through a structured nomination and interview process conducted by the faculty team. Dr. Guru Prasad L, Head of the Department of Physics, introduced the Chief Guest, highlighting his vast contributions to the fields of Computational Fluid Dynamics (CFD) and Wavelet Theory, and noting his recognition among the world's top scientists by Stanford University from 2018 to 2025.

In the inaugural address, Dr. B. J. Gireesha emphasized the role of mathematical modeling in solving real-world engineering problems. Dr. Prashanth C M, Principal of MITE, delivered the presidential address, motivating students to make effective use of the Science Forum as a platform for innovation and inquiry. The session concluded with a vote of thanks proposed by Mrs. Prathvi from the Department of Physics. The program was compered by Mrs. Rashmi Praveen and Ms. Anwitha, ensuring the smooth conduct of the event.

Office Bearers of the IGNITIA Science Forum along with the dignitaries

Following the inauguration, Dr. B. J. Gireesha delivered a technical talk on the applications of Differential Equations in Aerospace Engineering. He discussed how mathematical models assist in predicting rocket trajectories, analyzing aerodynamic forces, and designing heat-resistant materials. He elaborated on the use of CFD in improving thermal management and performance in aerospace systems. Students also gained insights into gravitational waves, described as ripples in spacetime generated by massive cosmic events, and their distinction from regular gravitational forces. The forenoon session benefited over 500 first year Engineering students from the Physics cycle, while the afternoon session engaged to 500 students from the Chemistry cycle. The event inspired curiosity and analytical thinking, encouraging students to connect theoretical knowledge with practical engineering applications.



Technical Session by Dr. B. J. Gireesha

The inauguration of IGNITIA marked the successful beginning of the Science Forum's activities for the academic year 2025-26, igniting enthusiasm among students to explore, innovate, and engage in research-oriented learning.

IGNITIA-SCIEMCE FORUM

NATIONAL EDUCATION DAY CELEBRATION & ACTIVITIES

The Department of Chemistry, under IGNITIA, Science Forum, and in association with the Institution's Innovation Council (IIC), on 13th November 2025 at Mangalore Institute of Technology & Engineering (MITE), Moodabidri. Celebrated National Education Day, to commemorate the birth anniversary of **Maulana Abul Kalam Azad**, the first Educations Minister of independent India. Recognized for his visionary contributions to the foundation of the Indian education system, this day serves as a tribute to his enduring legacy and a reaffirmation of the nation's commitment to education. The National Education Day celebration aims to motivate and encourage students to adopt innovative thinking and a problem-solving mindset to thrive in a rapidly changing world.

The celebration began with a prayer, followed by a warm welcome from Dr. Ashwini A. Kamath, Head of the Department of Chemistry. The formal inauguration was marked by the ceremonial lighting of the lamp, symbolizing knowledge and enlightenment. Various competitions like reel making on biography of Maulana Abul Kalam Azad and quiz were conducted in the prior to the celebration of National Education Day. Winners of the competitions were rewarded with the prizes during the formal celebrations by the Chief Guest, Dr. Arun M. Isloor, Professor, Department of Chemistry, NITK Surathkal. Dr. Vineetha Telma D'Souza, Associate Professor, Department of Chemistry, introduced the Chief Guest, highlighting his vast contributions in science and technology and noting his recognition among the world's top scientists by Stanford University.

Quiz Conducted as Part of National Education Day Celebration ***Felicitation of the winners***

In the inaugural address, Dr. Arun M. Isloor emphasized cultivating an innovation mindset through creativity, risk-taking, and adaptability. Highlighting the importance of faculty and students working together to nurture research excellence through curiosity, critical thinking, and collaboration, while promoting learning beyond the classroom through real-world experiences and a lifelong commitment to growth. It also highlighted the need for research-based startups driven by problem-solving, experiential learning, and nature-inspired design for sustainable innovation. Together, these insights call for educational ecosystems that are technologically advanced yet grounded in human values. The session concluded with a vote of thanks proposed by Dr. Guruprasad A M, from the Department of Chemistry. The session was witnessed by nearly 118 first year Engineering students and faculties of various departments.

Chief Guest Dr. Arun M. Isloor Addressing the Gathering

The celebration ended on a note of collective resolve, reaffirming that the spirit of learning and the vision of Dr. Maulana Abul Kalam Azad will continue to guide future generations toward a brighter, empowered India.

IGNITIA-SCIEMCE FORUM

NATIONAL POLLUTION CONTROL DAY-2025

On behalf of Institution's Innovation Council (IIC) under IGNITIA – Science Forum, the Department of Civil engineering organized the **National Pollution Control Day on December 2nd 2025 at** at Mangalore Institute of Technology & Engineering (MITE), Moodabidri. The event began with a prayer, followed by a warm welcome from Dr. Jayaprakash MC, Senior Assistant Professor, Department of civil Engineering.

To commemorate the importance of environmental protection and pollution control. The event commenced with an expert lecture by **Er. K. Roopesh**, who explained major industrial and environmental sources contributing to air pollution, particularly emissions from manufacturing industries. The event aimed to sensitize first-year engineering students about the importance of pollution control, sustainable industrial practices, and emergency preparedness.

The session began with an expert lecture by Er. K. Roopesh, Chief Manager – Quality Control and Environment, Paradeep Phosphates Limited (PPL), Mangalore who discussed major industrial and environmental sources contributing to air pollution, with particular emphasis on emissions from manufacturing industries. He elaborated on various pollution control techniques implemented at Paradeep Phosphates Limited, including filtration systems, scrubbers, cyclones, real-time emission monitoring systems, and the development of green belts around industrial areas. He also explained how industries monitor air quality parameters using sensors and automated systems to ensure compliance with national pollution control guidelines. The importance of regular audits, regulatory adherence, and the shared responsibility of industries and individuals in reducing air pollution was strongly emphasized. He elaborated on various **pollution control mechanisms** implemented at Paradeep Phosphates Limited, such as filtration systems, scrubbers, cyclones, real-time emission monitoring systems, and green belt development. He also highlighted the role of automated sensors and monitoring systems in tracking air quality parameters and ensuring compliance with national pollution control regulations. The importance of periodic audits and proactive industrial responsibility was emphasized.

The session was followed by a **live fire extinguisher demonstration** conducted by officials from the **Fire Station, Alangar, Moodbidri**. Students were trained on identifying different types of fire

extinguishers and their appropriate usage during emergency situations. The demonstration enhanced students' practical understanding of industrial safety and emergency response.

Key Outcomes / Key Takeaways

- Enhanced awareness of air pollution sources and their environmental impact.
- Understanding of industrial pollution control technologies and monitoring systems.
- Knowledge of national pollution control guidelines and regulatory compliance.
- Practical exposure to fire safety measures and emergency handling techniques.
- Improved confidence among students in responding to fire-related emergencies.
- Reinforced the importance of sustainable practices and safety in engineering professions.

The forenoon session benefited 86 first year Engineering students from the Physics & Chemistry cycle. The **National Pollution Control Day – 2025** event successfully achieved its objectives by integrating technical knowledge with practical safety training. The program significantly contributed to environmental awareness, industrial safety education, and holistic student development

The session concluded with a vote of thanks proposed by Mr Suraj Shet from the Department of Civil Engg. The program was compered by Dr. Mitra K and Mr Suraj Shet, ensuring the smooth conduct of the event.

Technical Session by Er. K. Roopesh

live fire extinguisher demonstration conducted by officials from the Fire Station, Alangar, Moodbidri

IGNITIA-SCIEMCE FORUM

"NATIONAL MATHEMATICS DAY"-2025

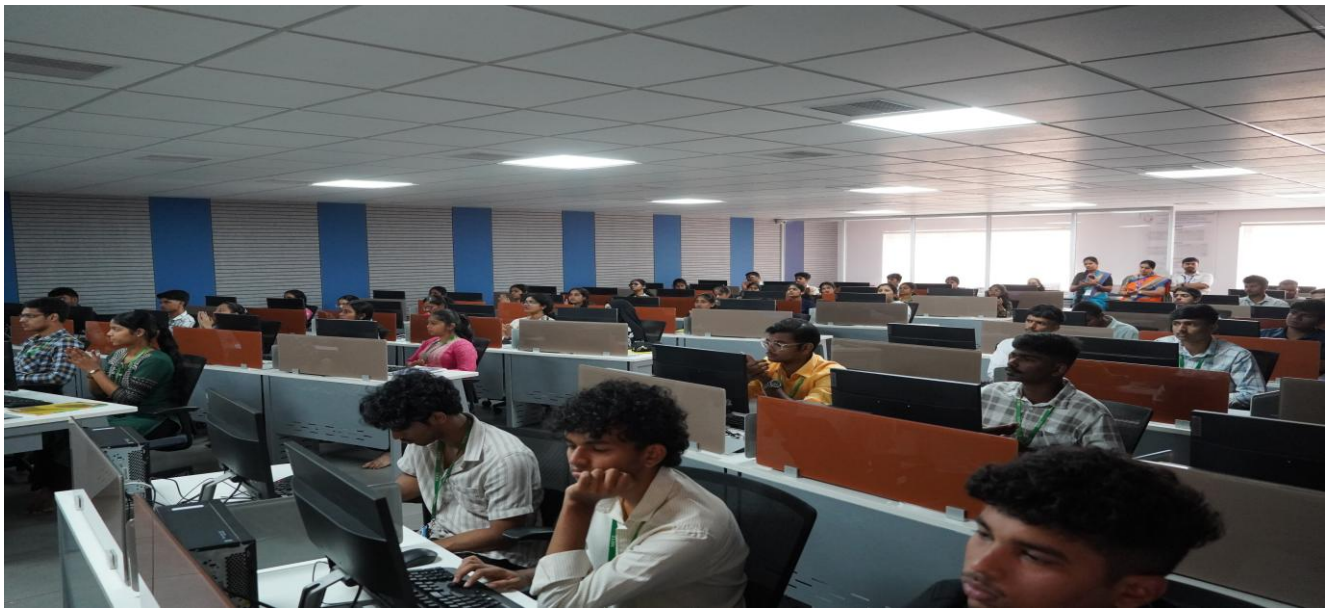
India celebrates National Mathematics Day on 22 December to honour the legendary mathematician Srinivasa Ramanujan for his remarkable contributions to the field. National Mathematics Day was celebrated at Mangalore Institute of Technology & Engineering (MITE) on 22 December 2025 to commemorate his birth anniversary and to emphasize the importance of mathematics in engineering and technology. The event event began with the offering of flowers to the portrait of Srinivasa Ramanujan as a mark of respect and remembrance. This was followed by a ceremonial lamp lighting, marking the symbolic inauguration and signifying a journey into the world of advanced mathematics and its applications. The program then commenced with Dr. Jyothi S, Head of the Department of Mathematics, extending a warm welcome to the guests and attendees. Dr. Prashanth C.M., Principal, MITE, in his presidential remarks emphasized the importance of understanding mathematics as the foundation of all engineering subjects. The master of ceremonies was Ms. Anwitha from the Department of Mathematics, followed by the vote of thanks delivered by Dr. Vinayak R. Pala.

The Hands-on session was conducted by Dr. Vasudeva, Professor, Department of Information Science & Engineering, NMAMIT, Nitte. The resource person shared insights into the application of mathematical concepts in data analytics and engineering solutions. The session emphasized how mathematics transforms raw data into actionable insights. Fundamental concepts from number theory, graph analysis, and statistics were explained using real-life examples such as social media data analysis and decision-making scenarios using Excel tool. This Hands-on session helped the students to understand practical data analysis techniques.

Presidential remark by Principal Dr. Prashanth C. M., MITE

Hands-on Session by Dr. Vasudeva

The session was witnessed by nearly 54 first year Engineering students and faculties of Department of Mathematics. Received a positive and encouraging feedback from the students, indicating their enthusiasm and engagement with the subject matter.



Participant of the session

IGNITIA-SCIEMCE FORUM

National Science Day

National Science Day is celebrated annually on February 28th to commemorate the discovery of the Raman Effect by Sir C.V. Raman. This occasion provides an excellent opportunity to inspire young minds, create awareness about scientific advancements, and promote scientific temper among students. As part of these celebrations, an expert talk on *Exploring Qubit Technologies: New Horizon in Information Science & Yuva Tech Challenge* was successfully organized on **28th February 2026**. The event aimed to introduce students to the fundamentals of quantum computing and its potential applications in various fields such as cryptography, artificial intelligence, and optimization.

Highlights of the Event:

The session was conducted by Dr. Shayan Srinivas Garani, Professor, Department of Electronic Systems, IISc, Bengalruru a distinguished expert in quantum computing, who provided a comprehensive comparison between traditional, super, and quantum computing. The key highlights of the workshop included:

- The session provided a strong conceptual foundation on fundamental quantum phenomena such as the **photoelectric effect**, **black body radiation**, and **Planck's theory**, explaining how these discoveries laid the groundwork for modern quantum mechanics.
- The working principles and applications of **Mach–Zehnder Interferometers** were discussed, highlighting their role in interference-based measurements and quantum information processing.
- Participants gained a clear understanding of the concept of a **qubit**, its unique properties such as superposition and entanglement, and how it differs fundamentally from classical bits used in conventional electronics.
- The talk explained how quantum principles are being integrated into advanced technologies, including **quantum satellites** and **quantum entanglement-assisted transceivers**, enabling secure communication and next-generation information transfer systems.
- The speaker elaborated on how quantum effects are practically realized in electronic systems and the challenges involved in physically implementing quantum computers, including coherence, isolation, and error correction.

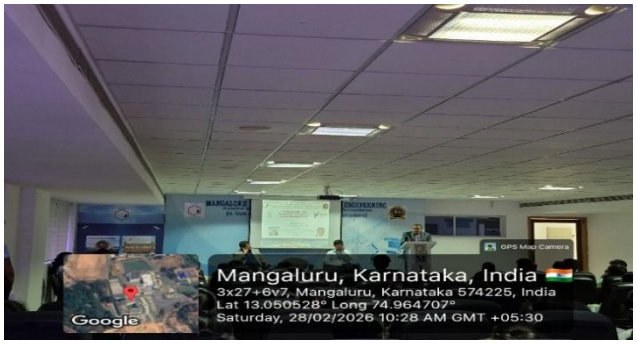
- Students were exposed to the interdisciplinary nature of quantum technology, bridging physics, electronics, communication systems, and information science.
- The session enhanced awareness about the future scope of quantum computing and its transformative impact on computing, cryptography, space communication, and data storage technologies.
- **Interactive Q&A Session**: The speaker engaged with participants, addressing queries and discussing potential research opportunities in quantum computing.

Participation:

The expert talk received an overwhelming response, with 91 students and 12 faculty members from various departments attending the session. The diverse participation showcased the growing interest in emerging technologies. The event also attracted faculty members who were keen to explore possibilities of integrating quantum computing concepts into their curriculum.

For the Yuva Tech Challenge, a total of 36 teams registered and submitted their abstracts. In the first round of scrutiny, the submitted abstracts were evaluated based on the novelty and feasibility of the ideas proposed. After this initial screening, 10 teams were shortlisted and invited to present their ideas in Round-2.

In the second round, three internal faculty members served as the jury and further evaluated the presentations. Based on the quality of the ideas, clarity of presentation, and potential impact, 6 teams were shortlisted for the final stage. During the National Science Day celebrations, the selected six teams pitched their ideas before the jury and audience. After careful evaluation, three teams were selected as the best teams and were awarded first, second, and third positions for their innovative ideas and presentations.



Dr. Shayan Srinivas Garani, delivering the Chief Guest address

YuvaTech Challenge Participants are presenting their idea and felicitation of best idea

Feedback and Outcomes:

A feedback form was circulated among participants to gather their responses. The key takeaways from the feedback were:

- **90% of attendees** rated the session as excellent or very good.
- **Students appreciated** the clarity of explanations and real-world examples provided by the speaker.
- **Many participants expressed interest** in attending future workshops on advanced topics in quantum computing, such as quantum algorithms, quantum cryptography, and practical implementations using platforms like IBM Quantum Experience.
- **Faculty members found the session insightful**, with discussions on how quantum computing can be incorporated into existing curricula and research activities.

Conclusion:

The session provided a strong foundation in quantum physics concepts such as the photoelectric effect, black body radiation, Planck's theory, and Mach–Zehnder interferometers, leading to a clear understanding of qubits, superposition, entanglement and their distinction from classical electronics. The speaker highlighted the real-world applications of quantum technologies, including quantum satellites and entanglement-assisted.

IGNITIA-SCIEMCE FORUM

THREE-DAY HANDS-ON WORKSHOP ON CALCULUS IN MODELING & SIMULATION: *FROM THEORY TO INDUSTRIAL INNOVATION*

The Department of Mathematics under the IGNITIA Science Forum successfully conducted a Three-Day Hands-on Workshop on "Calculus in Modeling & Simulation: From Theory to Industrial Innovation" from 15th May to 17th May 2026 for first-year engineering students. The workshop aimed to bridge the gap between theoretical mathematical concepts and their practical applications in industrial and engineering domains. The program was designed to provide participants with exposure to mathematical modeling, simulation techniques, and the significance of differential equations in solving real-world engineering problems.

The workshop commenced with a formal inaugural session attended by faculty members and 41 students from first year and 2 students of second year students from Department of Electronics and communication Engineering. The event included a prayer, welcome address, resource person introduction, chief guest address, presidential address, and vote of thanks. The resource person for the workshop was Dr. Arjun M, Senior Lead Engineer, Qualcomm Inc., Bengaluru, an accomplished researcher and industry expert in mathematical modeling, simulation, and control systems. Dr. Arjun M possesses extensive experience in industrial applications of mathematics and has contributed significantly to academic and industrial research through publications and patents.

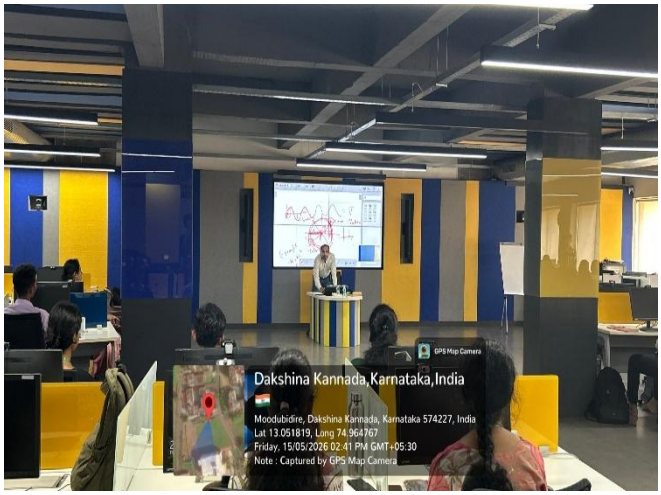
Presidential address by the Principal during the inaugural session

Day 1 Activities: Foundations and Industrial Relevance of Mathematics

The first day focused on establishing the importance of mathematics in engineering and industry. The session began with a discussion on the role of calculus and differential equations in practical engineering applications. Students were introduced to the significance of mathematical thinking in industrial problem-solving and innovation.

The resource person highlighted various opportunities available for students with strong mathematical and analytical skills in industries and research sectors. Real-world examples were used to explain how mathematical principles are integrated into technology, engineering systems, and everyday applications. The session also emphasized the need for differential equations over algebraic equations in representing dynamic systems and time-dependent processes.

Interactive discussions encouraged students to relate theoretical mathematical concepts with real-world scenarios, thereby creating interest and curiosity among participants.



Day 1: Dr. Arjun M addressing the students

Day 2 Activities: Differential Equations and Simulation Techniques:

The second day concentrated on methods of solving differential equations and understanding their practical applications. Various techniques for solving first-order differential equations were introduced, along with their applicability and limitations.

Day 2: Dr. Arjun M addressing the students

The resource person explained the role of mathematical modeling in industries for analyzing and solving engineering problems. Hands-on demonstrations were conducted to provide students with practical exposure to mathematical simulations. Differential equation solutions were analyzed using operational amplifiers and breadboard-based experiments.

Students actively participated in practical activities involving circuit-based problem-solving tasks. These exercises enhanced their analytical thinking abilities and allowed them to understand how mathematical concepts can be transformed into physical and engineering systems.

Day 3 Activities: Collaborative Learning and Problem Solving

The third day focused on activity-based learning and assessment of concepts learned during the workshop. Students participated in group activities, assignments, and collaborative problem-solving exercises.

Day 3: Students participated in group activities of the workshop

pen-ended tasks were assigned to encourage participants to apply mathematical principles and analytical methods to engineering-related situations. Students worked in groups, discussed approaches, and presented their solutions. The activity promoted teamwork, critical thinking, communication skills, and active participation.

The sessions created a learning environment that enabled students to integrate conceptual understanding with practical applications and problem-solving strategies.

Outcomes of the Workshop

The workshop significantly benefited the participants in the following ways:

- Developed awareness regarding industrial opportunities for students with strong mathematical foundations.
- Enhanced understanding of the role of mathematics and differential equations in engineering and industrial applications.
- Improved analytical and problem-solving abilities through practical exercises.
- Provided exposure to mathematical modeling and simulation techniques.
- Strengthened students' understanding through hands-on activities and group-based learning.
- Improved communication, teamwork, and presentation skills.

Conclusion

The three-day workshop was highly informative and interactive, successfully achieving its objective of demonstrating the importance of calculus and mathematical modeling in modern engineering and industrial applications. The combination of theoretical discussions, practical demonstrations, hands-on activities, and collaborative learning enriched the overall learning experience of participants. The workshop motivated students to explore advanced applications of mathematics and appreciate its relevance beyond classroom learning.

IGNITIA-SCIEMCE FORUM

Department of Civil Engineering

World Environment Day-2026

On behalf of Institution's Innovation Council (IIC) under IGNITIA – Science Forum, the Department of Civil engineering, in association with MITE-NCC Wing & Range Forest Office (RFO), Moodbidri, Dakshina Kannada District, Karnataka, (Karnataka Forest Department, GoK) organized the **World Environment Day on June 5th 2026** with the theme of ***"Inspired by Nature. For Climate. For Our Future"*** at Mangalore Institute of Technology & Engineering (MITE), Moodabidre.

To help students to develop eco-friendly values, understand current environmental challenges, and encourage active participation in building a greener and healthier future, the event commenced with a session by Mr. Raghavendra Shetty, Deputy Range officer (DFO), Karnataka Forest Department, Range Forest Office, Near Carmel School, Alangar, Moodbidri, Karnataka 574227. The event aimed to sensitize first-year engineering students about the importance of planting the sapling and to raise awareness among students about environmental protection, sustainability, and the responsibility each individual holds toward preserving nature.

Focusing on the significance of World Environment Day-2026, The resource person discussed the importance of planting the tree and promoting to plant tree by department of forest, GoK to providing incentives to increase the forest cover in Karnataka. Range forest officials highlighted the responsibility of individuals and community for planting and nurturing saplings to increase green cover for a healthier and more sustainable future.

Resource Person further elaborated on the tree plantation is one of the most meaningful activities through which students can contribute to environmental conservation. By planting and nurturing sapling, students learn the importance of protecting nature and develop a sense of responsibility toward the environment. Trees provide oxygen, absorb carbon dioxide, reduce pollution, conserve water, and support biodiversity, making them essential for a healthy planet.

Participating in tree plantation activities also instills values such as patience, care, and commitment, as students witness the growth of the trees they plant. Moreover, it motivates them to become

environmentally conscious citizens and encourages them to take active steps toward creating a greener, cleaner, and more sustainable future for generations to come.

Planting the valuable sapling in the MITE Campus

The session was conducted by officials from the Range Forest Office (RFO), Moodbidri, to motivate our students to understand social forestry and people-centric forestry program that promotes sapling planting and forest conservation outside traditional forest areas, such as village lands, roadsides, school campuses, community lands, and farm boundaries. The Karnataka Forest Department implements various social forestry initiatives to increase green cover, restore degraded lands, and encourage community participation in environmental conservation.

Key Take-away of the Activity

- Range Forest officials are motivated our students to understand current environmental challenges and encouraged active participation in building a greener and healthier future.
- Increased awareness among students and the community about environmental protection and sustainability.
- Participants understood the importance of protecting and preserving the environment through collective action.
- Participants recognized the importance of planting and nurturing saplings to increase green cover for a healthier and more sustainable future.

The tree plantation activity benefited 50 first & second year Engineering students from the Physics, Chemistry cycle, NCC cadets & all other departments. The **World Environment Day – 2026** event successfully achieved its objectives by increased awareness among students and the community about environmental protection and sustainability.

The session concluded with a vote of thanks proposed by Dr. Ganesha Mogaveera, HoD, Department of Civil Engineering. The program was compered by Mr. Akshaya Krishna N, Mr. Padmanabha Kamath & Dr. Jayaprakash M C, ensuring the smooth conduct of the event.

AICTE Activity Point Programme for AY 2025-26

MITE Takes Learning Beyond the Classroom: Empowering School Students Through Creative & Critical Thinking

Department of Basic Sciences in association with IGNITIA Science Forum, conducted an extensive outreach initiative under the AICTE Activity Point Program from 1–3 September 2026, focusing on strengthening creative thinking, critical analysis and design-thinking skills among government school students. The programme was initiated through a Mentoring the Mentor session, in which 46 faculty members were oriented on effective mentoring, activity planning and implementation. Subsequently, MITE students underwent 3 days preparatory sessions to equip them with the knowledge and skills required to conduct engaging learning activities at schools.

The initiative involved 1,029 first year students across 43 government schools in Dakshina Kannada and Udupi districts. Through a series of interactive and experiential sessions, the students facilitated demonstrations, hands-on activities, brainstorming exercises, presentations and real-world problem-solving tasks for school children. The programme encouraged school students to participate actively, explore new ideas and develop practical approaches to problem-solving.

First year students also worked closely with school teachers and authorities, gaining an understanding of the educational needs of the participating schools. The outreach provided first year students with valuable opportunities to apply their learning in a community setting while developing essential skills in communication, teamwork, leadership and problem-solving.

The initiative received positive appreciation from the participating schools for its engaging and student-centred approach. The headmasters and teachers of the participating schools highly appreciated the programme and expressed their satisfaction with its overall impact. They were particularly impressed that, during the final presentation, each student was given an opportunity to come on stage and present their ideas confidently after receiving only two days of training. They felt that this approach significantly enhanced the students' confidence, communication skills, and ability to express their thoughts. Although students from various colleges had previously conducted different programmes in their schools, the teachers felt that the Design Thinking programme was one of the most useful and impactful initiatives. They appreciated its ability to encourage students to think out of the box and develop creative solutions

to real-life problems. The programme also helped students understand the importance of teamwork, collaboration, and completing tasks within a given time limit. Overall, the school authorities considered the programme highly beneficial for developing creativity, communication, problem-solving, and collaborative skills among school students.

Overall, the programme served as a meaningful platform for experiential learning, community engagement and social responsibility, reinforcing MITE's commitment to contributing to the holistic development of both its students and the wider school community.

MITE students delivering a lecture on Design Thinking at Government High School, Kinnikambala.

MITE students engaging school students in hands-on learning activities at Government High School, Pallai.