



DEPARTMENT OF SCIENCES
In Association with
INSTITUTIONS INNOVATION COUNCIL (IIC), AIGS

Report Submission: 17/06/2026

Semester:	EVEN	Academic Year:	2025–26	Venue:	MBA Auditorium & AIGS
Event Date:	12/03/2026 & 13/03/2026	Time:	9:00 am- 5:00 pm	Duration:	8:00 hrs

TYPE OF EVENT: CELEBRATION

EVENT NAME: Science Day 2026 Celebration

Target Audience:	Students of AIGS	Number of Participants:	89
-------------------------	------------------	--------------------------------	----

Objectives:

1. **Promoting Scientific Temper:** Encouraging rational thinking, curiosity, and a scientific mindset among people of all ages.
2. **Highlighting Science in Daily Life:** Spreading awareness about how science and technology improve everyday life.
3. **Showcasing Scientific Achievements:** Displaying research, innovations, and efforts made by Indian scientists to solve societal problems.
4. **Inspiring Future Generations:** Motivating students and young minds to pursue careers in science, technology, engineering, and mathematics (STEM).
5. **Public Engagement:** Engaging the public through events like Seminars, Posters, Debate and Quiz, and discussions to popularize science.



Program Introduction:

National Science Day is celebrated in India annually on February 28th to commemorate the discovery of the Raman Effect by Sir C.V. Raman in 1928, for which he won the Nobel Prize. The day fosters scientific temper, encourages innovation, and showcases the role of science in sustainable development, with themed events like workshops and exhibitions held nationwide.

This report provides an overview and encouragement for undergraduate (BSc) and postgraduate (MSc) Physics, chemistry, mathematics, and computer science students to foster scientific temper and encourage innovation also showcases the role of science in sustainable development, with themed events like seminars, poster presentations, debate, and quiz held nationwide.

Theme of the Event: National Science Day 2026 at AIGS

The National Science Day event at AIGS aims to lead students in research, innovation, and academic development, contributing to scientific progress and societal growth. Through this event, students will be able to understand the role of science and technology in sustainable development, specifically focusing on how research can be translated into practical, real-world solutions for societal advancement.

Detailed Report:

Day 1 of the celebration of Science Day 2026 started in the presence of all dignitaries including two of the invited speakers Dr Ganesha Krishna V S from IISC, Mr. Subham Das from JNCASR, respected Principal of AIGS Dr. Gurunath Rao Vaidhya and the event coordinator Mr. Chirag Sarthi J on the dias. The entire session anchoring was done by Ms. Dishani from 2nd year BSc, Deepa lamping was done by the dignitaries, HOD's and faculties of Science Departments. The inaugural song was sung by Ms. Spoorthi from 2nd year BSc and later the welcome speech was delivered by Mr, Chirag Sarthi J, Assistant Professor, Department of Physics followed by addressing the gathering by Principal, AIGS. Later the event continued by lectures delivered by two invited speakers.

As part of the National Science Day celebrations at Acharya Institute of Graduate Studies on 12th March 2026, an invited guest lecture was delivered by Dr. Ganesha Krishna V S, Indian Institute of Science IISc, Bangalore, Karnataka. The talk, titled "Twistronics in 2D Materials: When a Small Twist Changes Everything", explored the fascinating field of condensed matter physics and nanotechnology, focusing on how subtle structural modifications in two-dimensional (2D) materials can lead to profound changes in their electronic properties.



The key Highlights of the Talk were on background on 2D Materials like the term twistronics refers to the study of how twisting two layers of 2D materials relative to each other alters their electronic behaviour. At certain “magic angles”, graphene bilayers exhibit superconductivity and other exotic quantum phenomena. Dr. Ganesha highlighted how this discovery has opened new avenues in quantum materials research.

The Applications and Implications were Potential applications in quantum computing, low-power electronics, and advanced sensors were discussed. He emphasized that twistronics could lead to breakthroughs in energy-efficient devices, impacting industries ranging from telecommunications to healthcare. The research challenges were precise fabrication of twisted bilayers, scalability, and stability of these materials. Dr. Ganesha encouraged students to think critically about how interdisciplinary approaches—combining physics, materials science, and engineering—can overcome these hurdles. The session was highly interactive, with students and faculty posing questions about the feasibility of applying twistronics in real-world devices. Dr. Ganesha patiently clarified doubts, linking theoretical concepts to practical scenarios. His enthusiasm and clarity made complex quantum phenomena accessible to a diverse audience.

The Conclusion of the invited talk by Dr. Ganesha Krishna V S was both enlightening and inspiring. By demonstrating how a simple twist in atomic layers can “change everything,” he showcased the beauty of scientific discovery and its potential to transform technology. The lecture not only celebrated the spirit of National Science Day but also motivated students to pursue research in cutting-edge areas of physics and materials science.

Invited Guest Talk by Mr. Subham Das from JNCASR, Bengaluru delivered an insightful lecture on “Light and Magnetism in Semiconductor Nanocrystals.” His talk highlighted the cutting-edge research in nanoscience and nanotechnology, focusing on how semiconductor nanocrystals exhibit unique optical and magnetic properties that can be harnessed for advanced applications. Semiconductor Nanocrystals: An Overview. Mr. Das introduced the concept of nanocrystals, explaining how their size-dependent properties differ significantly from bulk materials. He emphasized the role of quantum confinement, which alters the electronic band structure and leads to tunable optical behavior. The speaker elaborated on how nanocrystals absorb and emit light, making them promising candidates for light-emitting diodes (LEDs), solar cells, and biological imaging. He discussed photoluminescence and quantum dot technology, showcasing their relevance in modern optoelectronics. Mr. Das explained how doping semiconductor nanocrystals with magnetic ions introduces magneto-optical properties. These properties can be exploited in spintronics, a field that aims to use electron spin rather than



charge for information processing. He highlighted the potential of such materials in data storage and quantum information systems.

The talk connected fundamental science to real-world applications, including next-generation displays, efficient photovoltaic devices, and magnetic sensors. Mr. Das emphasized the interdisciplinary nature of this research, bridging physics, chemistry, and engineering. He acknowledged challenges such as synthesis precision, material stability, and scalability for industrial use. The importance of collaboration between academia and industry was underlined to overcome these barriers. The session sparked curiosity among students, who asked questions about the practical feasibility of nanocrystal-based devices. Mr. Das encouraged young researchers to explore nanotechnology, stressing that innovation often arises from curiosity-driven experiments. His approachable style and clear explanations made complex topics accessible to the audience.

The invited talk by Mr. Subham Das was a stimulating exploration of how light and magnetism interplay in semiconductor nanocrystals. By linking fundamental quantum phenomena to futuristic applications, he inspired students to appreciate the transformative potential of nanoscience. The lecture perfectly embodied the spirit of National Science Day, celebrating scientific progress while motivating the next generation of researchers.

In the afternoon session of Day 1 we organized the poster presentation in the AIGS foyer for the students which was open for all the students to participate and was judged by the judges based on their poster and explaining abilities. Students from various departments from AIGS as well as faculties visited the posters and gathered the knowledge.

The Day 2 of the Science Day celebration started with various events like Quiz competition, Student Seminar and Debate competition to encourage students about the ongoing things in the science stream in the AIGS building by the faculty coordinators and the volunteers. Later, the validity ceremony was held in the afternoon session at MBA Auditorium along with the prize distribution for the event winners. The function was carried out in the presence of all the HOD's, faculties from Physics, Chemistry and Mathematics departments and the students. The vote of thanks for this ceremony was given by Dr. Sumathi HOD, Department of Chemistry.

Event Photographs:



Science Day Inauguration by Invited Speakers, Principal, AIGS and Coordinator



Inaugural Lamping by Dignitaries and HOD's



Students gathered for Invited Talks at MBA Auditorium



BSc Student Dishani anchoring in the occasion



Dr. Ganesha Krishna delivering the talk on Twistronics



Mr. Subham Das delivering the talk on Semiconductor Nanocrystals



Explanation on Energy gap by the invited speaker



Quiz Competition held in AIGS Seminar Hall



Poster Explanation by students to judges



Poster Presentation held in AIGS foyer



Group photo for the poster presentation session



Certificate distribution to winners of events



Group photo of organizing faculties and volunteers



Group photo after the completion of Science Day Celebration 2026

Outcomes:

The Outcomes were enhanced Scientific Awareness students developed a deeper understanding of scientific concepts and their real-life applications. Promotion of Scientific Temper: Encouraged logical thinking, curiosity, and a problem-solving attitude among students. Improved Presentation & Communication Skills: Activities like seminars, poster presentations, and model exhibitions helped students express ideas effectively. Encouragement of Innovation and Creativity: Students showcased innovative models, experiments, and project ideas, boosting creativity.

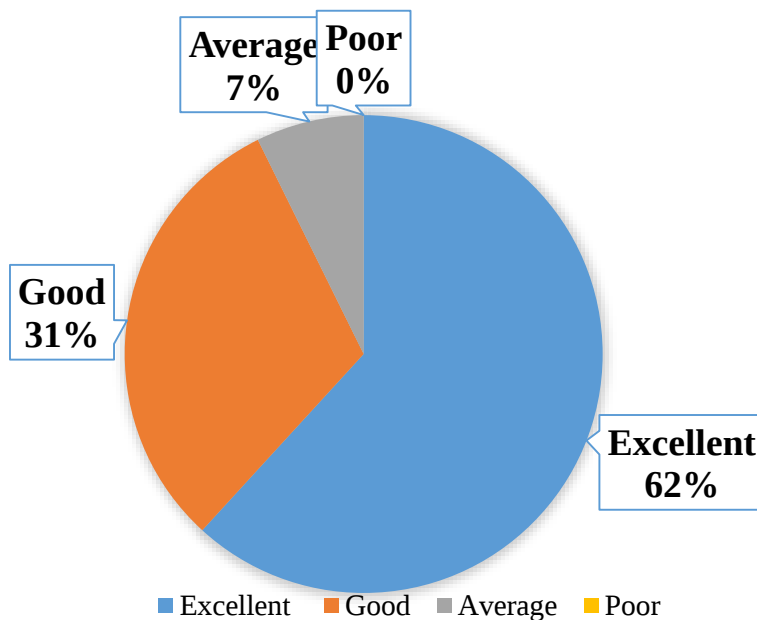
Conclusion:

I thank Principal Dr. Gurunath Rao Vaidya and Acharya management for providing the funding required for conducting the event by allowing students and faculties conduct Science Day 2026. I also thank all the faculties of Physics, Chemistry and Mathematics and volunteers for letting us conduct event smoothly. I also thank the students of MSc and BSc programs who actively participated in the event.

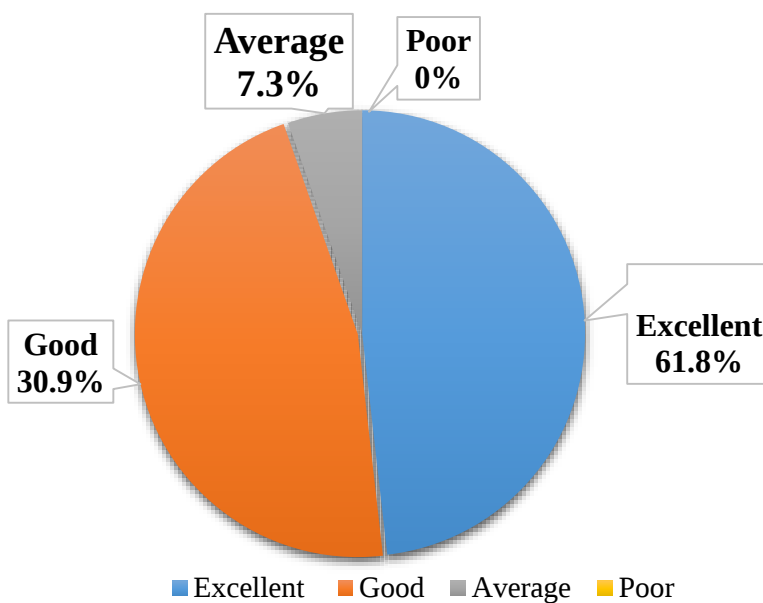
Student Feedback Summary:



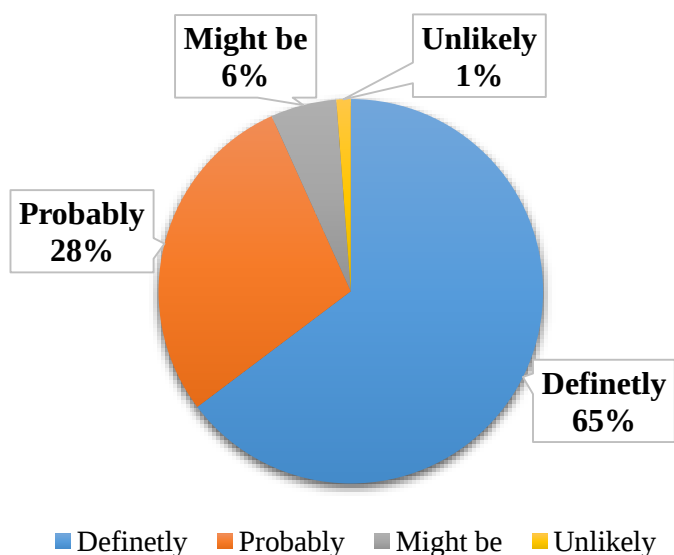
ENGAGEMENT LEVEL OF INVITED TALKS IN MBA AUDITORIUM



Engagement level of invited talks in MBA Auditorium



Likelihood to recommened science Day 2026 to others



Satisfaction with the variety of science events

