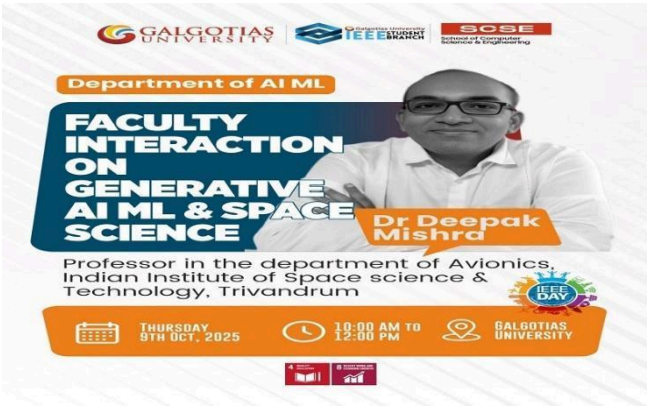
Standard Report Format

Title of Activity*	Generative AI & Space Science
Organized by (School/Centre Name)*	Dept. of AIML
Program Theme*	Generative AI & Space Science
Date*	09-10-2025
Time*	10:00 AM - 12:00 PM
Poster*	
YouTube/Facebook Link: *(if live steamed or video posted on FB/YT)*	
Social media link *(promoting in any one Facebook/Instagram/* *Twitter is mandatory)*	
No. of Students* *(only no. to be written, list in excel or word should be maintain at department level as proof for any further requirement)*	200
No. of Faculty* *(only no. to be written , list in excel or word should be maintain at department level as proof for any further requirement)*	150
No. of External Participants (students+faculty) *[write NA if not applicable]*	NA
(Geotag) Photograph-1*	

(Geotag) Photograph-2	
(Geotag) Photograph-3	
(Geotag) Photograph-4	
Description (min 250 to max 800 words)*	The IEEE Student Branch of Galgotias University, under the Department of Artificial Intelligence & Machine Intelligence (AI & MI), successfully organized an enriching Faculty Interaction on **"Generative AI & Space Science"** on **9th October 2025**. The event was conducted at the Old Auditorium, C Block, and witnessed active participation from faculty members representing diverse academic disciplines. The program aimed to provide deeper insights into the rapidly evolving intersection of Artificial Intelligence and space science, with a focus on emerging research opportunities and technological advancements. The session was delivered by **Dr. Deepak Mishra**, Professor, Department of Avionics, Indian Institute of Space Science and Technology

	(IIST), Trivandrum. Dr. Mishra, an eminent academician and researcher in the field of aerospace and avionics engineering, shared his extensive knowledge on how Generative Artificial Intelligence is transforming modern space technologies. He elaborated on the growing role of AI in satellite data processing, remote sensing applications, and the development of autonomous and intelligent space systems. During the interaction, Dr. Mishra highlighted ongoing research initiatives that integrate machine learning algorithms, advanced image analysis techniques, and AI-driven automation in space exploration missions. He explained how Generative AI models are being used to enhance data interpretation accuracy, improve decision-making processes, and optimize mission planning in complex aerospace environments. The session also addressed real-world applications of AI in space science, including predictive modeling, autonomous navigation, and intelligent mission control systems. The interactive nature of the program encouraged faculty members to actively engage in discussions, raise queries, and share perspectives related to interdisciplinary research. The dialogue fostered a collaborative learning environment and motivated participants to explore innovative research directions that bridge Artificial Intelligence, data science, and space technology. Faculty members expressed keen interest in incorporating AI-based methodologies into their research and academic practices. Aligned with **IEEE Day 2025**, the event emphasized the importance of continuous learning, innovation, and technological advancement in higher education. The interaction strongly supported the objectives of **Sustainable Development Goal 4 (Quality Education)** by promoting knowledge enhancement and research-driven learning, and **Sustainable Development Goal 8 (Decent Work and Economic Growth)** by encouraging innovation and skill development in advanced technological domains. Overall, the Faculty Interaction on “Generative AI & Space Science” proved to be highly informative and impactful. It successfully enhanced participants’ understanding of AI-driven space technologies, strengthened interdisciplinary collaboration, and inspired faculty members to pursue cutting-edge research initiatives. The event reaffirmed Galgotias

	University's commitment to academic excellence, innovation, and global technological progress.
Attendance Sheet*	Attached at the end of Report
Report Submitted by *(write faculty coordinator name)*	Ms. pragya tewari