<p style="text-align:center">Report on</p>

Technical Session on Artificial Intelligence

1. Event Overview

The GTU-School of Engineering and Technology (GTU-SET), Ahmedabad, successfully conducted a Technical Session on Artificial Intelligence under the aegis of the Bureau of Indian Standards (BIS). The session was held on **18th February 2025**, from **11:00 AM to 01:00 PM**, with the objective of educating students and faculty members about AI advancements, standardization efforts, and challenges in emerging technologies.

2. Coordinator & Organizing Body

- **Coordinator:** *Prof. G. D. Makwana, Associate Professor, GTU-SET*

  Prof. Dipak Dabhi, Assistant Professor, GTU-SET

- **Organized By:** *GTU-School of Engineering and Technology under the Aegis of Bureau of Indian Standards (BIS)*

3. Session Expert

The session was led by **Ms. Savitha Sattu**, Scientist D/Joint Director, Bureau of Indian Standards (BIS), who provided expert insights on AI standardization, its impact on industries, and regulatory challenges in emerging technologies. With over 17 years of experience at BIS across Delhi, Chennai, and Hyderabad, she has specialized in product certification, standard formulation, and quality management audits. Holding a B.Tech in Electronics and Communication Engineering and a Master's in Digital Systems and Computer Electronics from JNTU Hyderabad, she has led Hallmarking certification for six southern states and conducted over 100 hallmarking audits.

During the session, she discussed AI governance, compliance frameworks, emerging technology standards, and the role of BIS in ensuring ethical and secure AI applications. Her expertise in ISO and BIS regulations offered attendees valuable knowledge on the importance of AI standardization in driving industrial and technological advancements.

Students' Enthusiastic engagement in the AI technical session.

Insightful discussion on AI's importance by Expert Ms. Savitha Sattu

Valuable presence of Senior Faculty Member

Students and Faculty Active participation in the session

Focused attention on AI insights by students and faculty   *Interactive Q&A Session*

Prof. Gautam Makwana Present   *Vote of Thanks by Prof. Dipak Dabhi*
Token of appreciation to the expert Ms. Savitha Sattu

4. Key Highlights of the Session

- **Introduction to AI & Standardization Efforts:**
  - Evolution and significance of **Artificial Intelligence** in industry and academia.
  - The role of **Bureau of Indian Standards (BIS)** in AI standardization.
  - Overview of national and international AI regulations.
- **Emerging Technologies & Standardization Needs:**
  - The necessity of standards in fields like **Machine Learning, Blockchain, IoT, and Cybersecurity**.
  - Standardization frameworks by **ISO, IEEE, NIST**, and their impact on AI development.
  - How BIS is working on adapting global AI standards to India's requirements.
- **Challenges in AI Standardization & Implementation:**
  - **Bias in AI Models:** Ensuring fairness, transparency, and inclusivity in AI algorithms.
  - **Data Privacy & Security:** Ethical concerns regarding AI-driven data collection and usage.
  - **Interoperability Issues:** Establishing common frameworks for AI applications across industries.
  - **AI in Critical Sectors:** Challenges in AI deployment in **healthcare, finance, smart cities, and autonomous systems**.
- **Future of AI Standardization & Research Opportunities:**
  - Research collaborations between academia, industry, and regulatory bodies.
  - The importance of compliance with AI standards to ensure ethical AI deployment.
  - Career opportunities in AI governance, compliance, and ethical AI development

5. Attendance & Participation

A total of **110 students** and **10 faculty members** attended the session, demonstrating keen interest in AI standardization. The attendees included:

- **26 Postgraduate students** from Cyber Security, Artificial Intelligence & Data Science (AIDS), and Internet of Things (IoT) disciplines.
- **84 Undergraduate students** from Computer Science and Electronics & Communication Engineering.
- **10 Faculty members** actively participated, enriching the discussion with their insights.

The session saw active participation, with students/faculty engaging in discussions about AI regulations, real-world challenges, and career prospects in AI governance.