



RAJ KUMAR GOEL INSTITUTE OF TECHNOLOGY, (RKGIT)
GHAZIABAD, UTTAR PRADESH

Institution Innovation Council (IIC 7.0) IC201810409

QUARTER I

Exposure and Field Visit for Problem Identification at ITU Bharat Madapam: Aligning with UN SDGs and Exploring Emerging Areas of Technologies on 21st OCT 2024



Raj Kumar Goel Institute of Technology
5 K.M. Stone, Delhi-Meerut Road, Ghaziabad, U.P.



DEPARMENT OF ENTREPRENEURE INNOVATION AND INCUBATION (EII)

Spic Society of EII-Department

Organizing

**Exposure and Field Visit for Problem Identification at
ITU Bharat Madapam: Aligning with UN SDGs and
Exploring Emerging Areas of Technologies**

 **21st Oct'2024**

 **9:30AM to 5:30PM**

 **Pragati Maidan, New Delhi**

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“Exposure and Field Visit for Problem Identification at ITU Bharat Madapam: Aligning with UN SDGs and Exploring Emerging Areas of Technologies on 21st OCT 2024”

Institution innovation council of Raj Kumar Goel Institute of Technology, Ghaziabad Under Entrepreneurship, Innovation and Incubation Department at Raj Kumar Goel Institute of Technology, Ghaziabad organized a visit on Oct 21th, 2024, titled **Exposure and Field Visit for Problem Identification at ITU Bharat Madapam: Aligning with UN SDGs and Exploring Emerging Areas of Technologies**

It was well-received by more than 70 participants. Prof. Puneet Chandra Srivastava, (Dean EII-RKGIT) warm welcome to all the students, introduced the mission and vision of EII Department established at RKGIT campus and gave an overview of its importances.

The field visit to **ITU Pavilion at Bharat Mandapam** was organized to expose students and faculty members to global innovations, emerging technologies, and real-world problem areas aligned with **United Nations Sustainable Development Goals (UN SDGs)**. The goal was to encourage **problem identification**, understand global tech trends, and explore **interdisciplinary research opportunities**.

1. Smart City & Sustainable Infrastructure

- Demonstrations on IoT-based waste management, smart lighting, and intelligent transport systems.
- Use of **5G and LPWAN** for real-time city monitoring.

2. Telemedicine & e-Health Solutions

- Devices for remote diagnosis and patient tracking
- AI-driven analytics for health monitoring, aligned with **SDG 3: Good Health and Well-being**

3. Inclusive Digital Education

- Low-cost smart classrooms and e-learning platforms for rural outreach.
- Assistive technologies for differently-abled students (**SDG 10: Reduced Inequalities**)

4. Clean Energy & Smart Grid Systems

- Renewable integration into microgrids and smart metering solutions.
- Role of **IoT in energy efficiency** (**SDG 7: Affordable & Clean Energy**)

- Future use cases in **telecom regulation, traffic prediction, and post-disaster recovery**
- Emphasis on **ethics and regulation** in AI (linked with **SDG 16: Peace, Justice, and Strong Institutions**)
- Exposure to **real-world problem statements** in infrastructure, environment, and health
- Identified scope for student projects in:
 - AI for air quality prediction
 - Embedded systems for agriculture automation
 - VLSI-based low-power sensor networks
- Enhanced understanding of **global technology collaboration** and India's role in digital diplomacy

Students engaged in discussions with ITU representatives, UN delegates, and technocrats from partner nations.

Participation in live demonstrations of IoT kits, sensors, and cloud-connected devices.

The field visit to **ITU Pavilion at Bharat Mandapam** was a unique opportunity for students to bridge classroom learning with global challenges. The alignment with **UN SDGs** provided a strong foundation for **socially relevant technical innovation** and fostered awareness of **India's role in emerging digital frontiers**.

Purpose:-Exposure and Field Visit for Problem Identification at ITU Bharat Madapam: Aligning with UN SDGs and Exploring Emerging Areas of Technologies

Date: 21th Oct. 2024

Time: 9:30AM to 5:30PM

Venue: ITU Pavilion at Bharat Mandapam (Pragati Maidan)





