

# Event Report

## **92nd Foundation Day Celebration & Technical Seminar**

**Organized by:** India Society of Engineers

**Date:** 1st August 2025

**Venue:** ROTARY SADAN Auditorium, 94/1, J.L. Nehru Road, Kolkata

### **1. Introduction**

The Civil Engineering Department of Swami Vivekananda University participated in the 92nd Foundation Day celebration of the India Society of Engineers, which was held on 1st August 2025 at the ROTARY SADAN Auditorium, Kolkata. The event included a technical seminar on "**Artificial Intelligence – Applications in the Field of Engineering**", bringing together academicians, researchers, professionals, and students to discuss the latest advancements and applications of AI in engineering disciplines.

### **2. Participants from SVU**

- **Faculty Representative:** Dr. Tamal Kundu, Assistant Professor, Department of Civil Engineering
- **Student Participants:** 11 students from the 7th Semester, B.Tech Civil Engineering

### **3. Programme Highlights**

The seminar commenced with an inaugural session presided over by **Dr. Dipankar Adhya**, President of the India Society of Engineers, who delivered the welcome address. The Chief Guest and dignitaries emphasized the role of emerging technologies in shaping the future of engineering.

## Key Sessions and Speakers:

- **Er. Pratim Das** – Programme Executive, Centre for Renewable & Sustainable Energy Studies, JIS Institute of Advanced Studies & Research – Spoke on the integration of AI in renewable energy and sustainable engineering practices.
- **Dr. Saugato Ghosh** – Assistant Professor & HOD, Central Forensic Science Laboratory – Discussed the use of AI in forensic engineering and structural failure analysis.
- **Er. Anirban Dutta** – CEO, Prayas C & S – Presented AI-driven solutions in infrastructure and urban development projects.
- **Special Address:** An eminent Vedanta researcher elaborated on "*Swami Vivekananda's Perspective on Technical Education in India*" and its relevance to modern engineering education.

## 4. Key Takeaways

- AI applications have transformative potential across all engineering fields, including design optimization, predictive maintenance, project management, and sustainable infrastructure.
- Civil engineering can significantly benefit from AI in areas like structural health monitoring, construction management, material optimization, and disaster resilience planning.
- Bridging the gap between traditional engineering knowledge and modern AI tools is essential for future-ready engineers.

## 5. Impact on Students

The seminar provided students with:

- Exposure to real-world AI applications in engineering.
- Insights into interdisciplinary collaboration between AI specialists and civil engineers.
- Inspiration to incorporate AI-based tools in their academic projects and future careers.

## **6. Conclusion**

The participation of Dr. Tamal Kundu and the 7th Semester Civil Engineering students from Swami Vivekananda University in this event was highly beneficial. It enhanced their understanding of emerging technologies and reinforced the importance of continuous learning and adaptation in engineering practice.

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## Images of the Event

