

**Report on Expert Lecture by Er. Parvez Ahmad Khan, Practice of Professor, organized by
Department of Civil Engineering, Integral University, Lucknow**

The Department of Civil Engineering, Integral University, Lucknow, organized an expert lecture on 16th January 2026 at Seminar Hall, Room No. E-119, E-Block, Integral University. The session was delivered by Er. Parvez Ahmad Khan, Professor of Practice, Civil Engineering Department, Integral University, and Ex-Chief Engineer, National Highways & Uttar Pradesh Public Works Department (UPPWD), on the topic **“Highway Engineering: Basics and Concepts of Road Development.”**



Mr. Kashif Khan welcoming Er. Parvez Ahmad Khan

The event aimed to expose students to the practical dimensions of transport engineering and planning by drawing on the extensive professional experience of the subject expert. The program was organized to enhance students’ understanding of both fundamental and applied aspects of highway engineering, effectively bridging theoretical concepts with real-world professional practice. The lecture was attended by faculty members and students of the Department of Civil Engineering, with a total participation of 41 attendees. The program started with a warm welcome to the guest speaker by Mr. Mohd Kashif Khan, Associate

Professor, on behalf of Department of Civil Engineering.

During the lecture, Er. Parvez Ahmad Khan discussed the history of road development in India, explaining the evolution of transportation systems from ancient trade routes to modern engineered highways. He elaborated on the formation and significance of the Jayakar Committee and its major recommendations, which laid the foundation for systematic and organized road development in India through centralized planning and dedicated funding mechanisms.



Er. Parvez Ahmad Khan during his lecture



Glimpse of Er. Parvez Ahmad Khan lecture

The speaker further explained the role and importance of the Indian Roads Congress (IRC) in highway engineering practice. He highlighted how IRC codes, standards, and guidelines ensure uniformity, safety, and quality in the planning, design, construction, and maintenance of roads across the country. The lecture also covered the classification and hierarchy of roads, including National Highways, State Highways, Major District Roads, Other District Roads, and Village Roads. The functional role of each category and its importance in providing national, regional, and rural connectivity were clearly explained. In

addition, the basic principles of road alignment were discussed, with emphasis on engineering, traffic, economic, and environmental considerations required for selecting an efficient and sustainable alignment.



Students and faculties during the lecture

The session concluded with an interactive discussion, during which students actively participated by raising questions related to highway design practices, construction challenges, and career opportunities in the highway sector and public works departments. The interaction enriched the learning experience and enhanced students' practical understanding of the subject.

Overall, the expert lecture significantly enhanced students' conceptual clarity in highway engineering and provided valuable exposure to real-life challenges in road development projects. The lecture also motivated students to pursue careers in infrastructure development and public sector engineering organizations.

The lecture contributed to the achievement of Sustainable Development Goals (SDGs), particularly SDG 9 (Industry, Innovation and Infrastructure), SDG 11 (Sustainable Cities and Communities), and SDG 8 (Decent Work and Economic Growth), by promoting awareness of sustainable and resilient road infrastructure.

At the conclusion of the event, Mr. Mohd. Kashif Khan expressed his sincere appreciation to Er. Parvez Ahmad Khan for sharing his valuable expertise and professional insights. He also gratefully acknowledged the support and motivation provided by the Head of the Department of Civil Engineering, whose encouragement made such academic activities possible. The event was effectively coordinated by Mr. Mohd. Kashif Khan, Associate Professor, Department of Civil Engineering, Integral University, Lucknow.