

## Report on Seminar

### "Emerging Trends in Road Construction - Full Depth Reclamation"

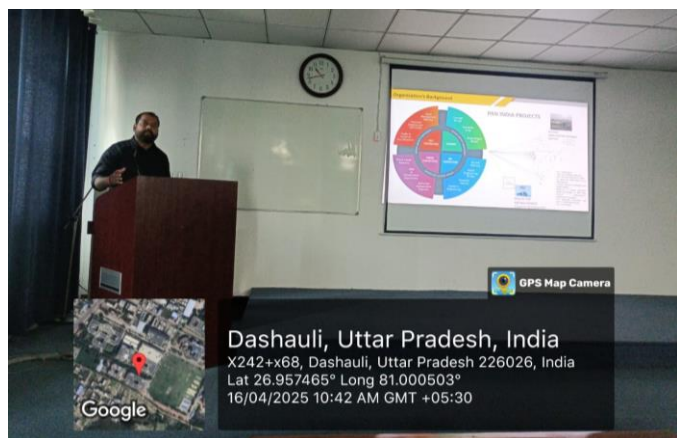
on 16<sup>th</sup> April 2025

A seminar on "**Emerging Trends in Road Construction - Full Depth Reclamation (FDR)**" was organized by Civil Engineering Department, Integral University, Lucknow on **16<sup>th</sup> April 2025** at **Seminar Hall, Second Floor, F Block**, featuring **Er. Prashant Yadav**, Lead Technical Manager, **Translink Infrastructure Consultant Pvt. Ltd., Lucknow**, as the esteemed speaker.



The program commenced with a warm welcome and inauguration by **Mr. Mohd. Asim**, Assistant Professor, CED, IU, Lucknow. In his detailed session, **Er. Prashant Yadav** introduced Full Depth Reclamation (FDR) as a modern and sustainable road construction technique that involves recycling of existing pavement materials—including both the asphalt surface and base layers—by

pulverizing them in place and mixing them with stabilizing agents like cement, lime, or bitumen to create a strong, durable base for a new pavement. He explained the step-by-step methodology of FDR, covering site evaluation, pulverization, stabilization, mixing, compaction, and curing, and emphasized its applications in rural, urban, and medium-traffic roads. The session also covered critical technical aspects such as design parameters (like CBR, resilient modulus, UCS), required field and lab testing procedures, and the structure of Detailed Project Reports (DPRs) which include traffic studies, material testing, mix design, and economic feasibility. Additionally, he highlighted the limitations of FDR, such as its unsuitability for overly wet or organic subgrades and its dependency on specialized equipment, and advised on important design considerations like proper stabilizer selection, thickness design, and drainage provisions to ensure long-term performance.





The seminar concluded with a **vote of thanks** and the presentation of a **memento** to the guest by **Dr. Zishan Raza Khan**, Associate Professor, as a token of gratitude and appreciation.

The event witnessed enthusiastic participation from **B.Tech and M.Tech students**, along with **supporting staff and teaching faculty** from the Department of Civil Engineering. The seminar served as an excellent platform for knowledge sharing and awareness on sustainable and modern

road construction practices.

The seminar was coordinated by Mr. Vikash Singh, Assistant Professor, Civil Engineering Department, Integral University, Lucknow.

