

DEPARTMENT OF CIVIL ENGINEERING

A report on the presentation of Revolutionising higher education with VR & AI by ixrLabs on 22-06-2026

The Department of Civil Engineering, NNRG, organized an informative technical presentation by Mr Nikhil Yadav, **ixrLabs (Academic Solutions Consultant)**, Gurgoan, and his colleagues Mr Kishore and Mr Pradeep on 22-06-2026. The session aimed to introduce students and faculty members to emerging technologies and innovative digital solutions relevant to the civil engineering industry.



Mr. Nikhil Yadav began the presentation by introducing ixrlabs, its vision, and its contributions to modern engineering practices. He highlighted the importance of adopting advanced technologies such as Building Information Modelling (BIM), Virtual Reality (VR), Augmented Reality (AR), Digital Twins, and Artificial Intelligence (AI) to improve planning, design, construction, and project management.



The team demonstrated several practical applications of immersive technologies in civil engineering. Through live demonstrations and case studies, they showed how virtual environments can be used for project visualization, safety training, design reviews, and stakeholder presentations. These technologies help engineers identify design issues at an early stage, reduce construction errors, and improve collaboration among project teams.

The speaker also discussed the growing demand for digital skills in the construction industry and encouraged students to enhance their knowledge of BIM software, 3D modelling, and immersive technologies to improve their career prospects. They explained the various training programs, certification opportunities, and industry collaborations offered by ixrlabs.



An interactive question-and-answer session followed the presentation, during which students actively participated by asking questions related to career opportunities, software applications, and industry requirements. The speakers provided detailed and practical responses, making the session highly engaging and informative.

Conclusion

The presentation by Mr. Nikhil Yadav and the ixrlabs team was highly beneficial for the students and faculty of the Civil Engineering Department at NNRG. It provided valuable

insights into the latest technological advancements transforming the construction industry and motivated students to develop industry-relevant digital skills. The department expresses its sincere gratitude to Mr. Nikhil Yadav and the ixrlabs team for sharing their expertise and contributing to the academic and professional development of the students.



Report is prepared by Mr Y Srinivas

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