

Report on
“Site Visit and Faculty Interaction with L&T Industry Professionals at the
Construction of Guest House using Prefabricated Pre-Finished Volumetric Construction (PPVC)
Technology” on 11th December 2025.

In compliance with the Sustainable Development Goal - SDG 9 & 11: the **Department of Civil Engineering, Integral University, Lucknow** conducted a technical site visit to the **Larsen & Toubro (L&T)**–executed Guest House construction project located at **Ram Katha Park, Naya Ghat, near Shri Ram Janmabhoomi, Ayodhya, Uttar Pradesh** on **11th December 2025**. Following faculty members from the Department of Civil Engineering, Integral University, Lucknow visited the site:

1. Prof. Syed Aqeel Ahmad, Head, Department of Civil Engineering
2. Mr. Mohd Kasif Khan, Associate Professor
3. Dr. Mohd Sadat, Assistant Professor
4. Mr. Vikash Singh, Assistant Professor



Faculty members of Civil Engineering at L&T PPVC Site

The primary objective of the site visit was to expose faculty members to **advanced and emerging construction technologies**, particularly **Prefabricated Pre-Finished Volumetric Construction (PPVC)**, and to facilitate **technical interaction with L&T industry professionals**. The visit aimed to enhance understanding of modern construction practices, project execution strategies, safety management systems, and quality control mechanisms, thereby strengthening the linkage between academic knowledge and industrial practice.



Construction at L&T PPVC Site

During the visit, faculty members observed the **lifting, positioning, and alignment of volumetric modules** using high-capacity cranes and specially designed lifting frames. The modules were systematically stacked over a conventional structural base, ensuring accurate load transfer and structural continuity. The precision achieved in module placement highlighted the importance of meticulous planning and coordination in PPVC-based projects.

The faculty interaction with L&T & UPPCL professionals **Mr. Aditya CS**, Project Manager, L&T, **Mr. Rajesh B**, Finishing in-charge, L&T, **Lalit Srivastava** MEP, L&T, **Mr. Ajay Mishra** Dy. Project Manager, UPPCL and **Mr. Krishn Kant** (JE), UPPCL provided valuable technical insights into structural design considerations, load transfer mechanisms, lifting and rigging systems, alignment tolerances, joint detailing, and construction sequencing associated with PPVC systems. Emphasis was placed on safety management, with strict adherence to personal protective equipment (PPE), barricading, and crane operation protocols, as well as on quality assurance and quality control (QA/QC) measures to ensure dimensional accuracy and structural integrity of the volumetric units. The discussions also highlighted the advantages of PPVC in terms of significant reduction in construction time, minimization of on-site labor dependency, reduced material wastage, improved sustainability, and enhanced construction productivity, making it particularly suitable for fast-track infrastructure projects such as guest houses, hospitals, hotels, and institutional buildings.



Overall, the site visit served as an effective platform for **industry–academia interaction**, strengthening the practical understanding of modern construction technologies among the faculty of the Civil Engineering Department, Integral University, Lucknow. The exposure to PPVC technology complemented theoretical knowledge and reinforced its relevance in contemporary civil engineering practice, sustainable infrastructure development, and

future-oriented construction planning in India.