



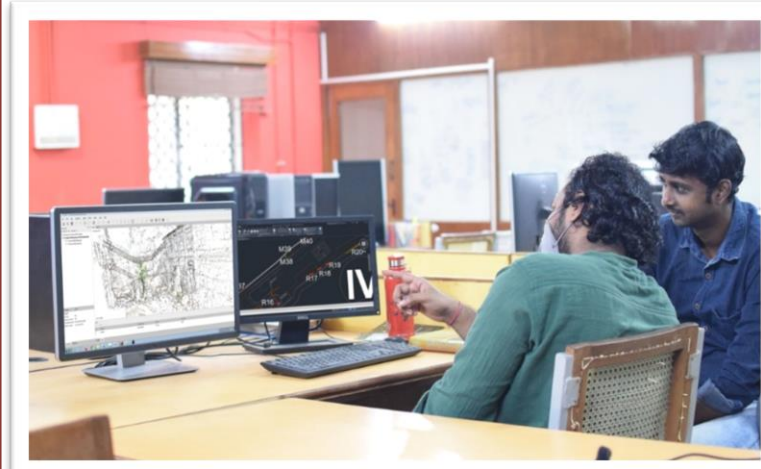
# Integrated Construction Practice and Trimble Technology Lab



## About lab

The lab offers high end workstations with software tools such as Autodesk Revit, RealWorks, Trimble Business Center, Vico Office Suite, GCEstimator Suite, Tekla Structures, Tekla Structural Designer, Tekla Tedds, Sefaira Architecture, SketchUp Pro etc.

The lab was originally sponsored by Autodesk and is now sponsored by Trimble to promote digital research and innovation in AEC industry.



**Lab environment**

## Current research topics

- BIM induced advanced designs and digital twins
- LIDAR mapping of heritage structures
- Computer vision enabled progress monitoring
- Robotic construction strategies
- Agent Based Modelling and sustainability
- Lean management techniques
- Life cycle analysis in materials and energy



**Research group with Trimble executives**