

Noaman Akbar Sheik – Automated Progress Monitoring using BIM and Reconstruction Technologies

Construction progress monitoring throughout the lifecycle is critical in terms of project success. It gives information about actual progress and planned progress to detect the deviation and take control measures as early as possible to save time and cost. Proposed research, based on activity centered practical approach, will integrate the different state-of-art research areas of information technology and civil engineering. Additionally, it will also identify and utilize those relevant techniques and procedures which are up-to-date and suitable for construction projects while bridging the research of “construction progress monitoring” with 3D reconstruction, BIM registration/alignment, and automated scheduling.