

## ABSTRACT

Over past periods; construction, architecture and engineering have had immediate advancement but scheduling still continuous to be time consuming error prone task.

This project deals with BIM based 4D scheduling & what advantages it offers on conventional scheduling practices by using advanced process of scheduling. BIM has foremost ability to store all the information of a building and can be authorized for many innovative and stimulating applications including visualization, quantity takeoffs, scheduling etc. Apply 4D schedule on a case study project.

To proceed towards the goal a number of research papers and case studies were comprehended. A case project was procured and its 4D schedule is generated by the help of BIM. After the completion of 4D scheduling using BIM, an analysis was made to verify those benefits which were observed from our output.

The result of the study encourages the use of BIM based 4D scheduling over conventional scheduling processes in Pakistan.

Also, the results were verified by the professional by taking their feedback on the resulting mode.