Project Title: Use of Building Information Models (BIM) in Engineering and IT projects

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Objective

Departure from traditional modelling to fully interactive digital models

Project Details

Companies now face a new challenge in delivering complex projects safely, on time and with superior quality. Planning a complex project requires consideration of various factors. This project looks at the evolution of the planning process from paper-based approach to use of Building Information Models (BIM) for the planning.

Prerequisites

Having basic knowledge of BIM, Programming using Matlab/R or Python

Additional Information

The students will learn about dynamics of building information models. They will learn how to make digital interactive models. Moreover, they will learn about the different advantages of using building information models including safety, productivity and quality improvements.