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Planning, Scheduling and Allocation of Resources for Multi-storied Structure using Microsoft Project Software

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Abstract: *The focus of this work is to study scheduling styles and construction systems for multistorey structures, with the end of applying Microsoft Project software to plan and record a academic RCC domestic G+10 structure construction design. The study compares the traditional approach used by engineers, masterminds, and contractors with the ultramodern software fashion. compliances from the study indicate that Microsoft Project software is an effective tool for generating Gantt maps for construction design schedules. The software also offers the capability to determine the minimal duration of construction time through schedule scraping and design crashing styles. Overall, the study provides precious information on the operation of Microsoft Project software for planning and scheduling structure construction systems. The use of this software can help to streamline the scheduling process, increase effectiveness, and reduce costs associated with construction systems. It's important to note that while technology can be helpful in design planning and operation, it isn't a relief for educated professionals in the field who can give perceptivity and make informed opinions.*

Keywords: Project, Time, Cost, Scheduling, Resource Allocation, construction, Critical Path Method (CPM)

REFERENCES

[1]. Shruti Singh, Shweta Istape, Amruta Surve, Sahil Pandey, Avinash Singh, Sangram More MGMCET, Kamothe, University of Mumbai, Navi Mumbai, India "Comparative study of planning and scheduling of a construction project using Microsoft project" International Journal of Research in Engineering and Technology (IJRET) 23- 05-2018

[2]. Mr. Dipesh R.Wallecha, Prof. Manish D. Mata, Civil Engineering Department SSGBCOE T, Bhusawal" A Review on Application of Microsoft Project Software in Multi- Storeyed Buildings" International Journal for Research in Applied Science & Engineering Technology (IJRASET) May 2020

[3]. Shubham Laddha , Prerna Chanda and Sneha Khedekar. Student (BE Civil, AISSMS COE, Pune, India).Assistant Professor (AISSMS COE, Pune, India)." PLANNIN G AND SCHEDU LING OF A PROJECT USING MICROS OFT PROJECT(MSP)" International journal of Advanced research (IJAR) June 2017

[4]. Nikhil R.Mahajanand M. V.Bhogone (2017) The methodology adapted by them was to compare Microsoft Project and Traditional Method

[5]. R. Prabhakar and G. Ravichandran (2014) analysed that; Construction planning is an important part of the overall management process

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