

Mini Project Report

On

**PLANNING OF A RESIDENTIAL BUILDING AS PER
N.B.C. USING AUTOCAD**

Submitted to the
Department of civil engineering
by

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Under the Supervision of

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**DEPARTMENT OF CIVIL ENGINEERING
SCHOOL OF STUDIES OF ENGINEERING AND TECHNOLOGY
GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)
(A Central University)
Session 2023-24**


DEPARTMENT OF CIVIL ENGINEERING
INSTITUTE OF TECHNOLOGY
GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)
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Session 2023-2024





CERTIFICATE

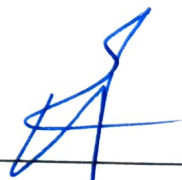
This is to certify that the mini project work entitled **PLANNING OF A RESIDENTIAL BUILDING AS PER NBC USING AUTOCAD**, submitted by **Mr. Nikhil Pandey** (Roll no. – 22024125), student of B. Tech IV semester, Civil Engineering Department, Guru Ghasidas Vishwavidyalaya, has been completed successfully and satisfactorily.


This project report is submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Civil Engineering, SOS, Engineering & Technology, Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.).


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ABSTRACT

In this mini project, the application of AutoCAD has been used for planning a residential building and the National Building Code (NBC) 2016 has been adopted. The project focuses on the effective utilization of AutoCAD tools to create detailed plans that follow the NBC rules and regulations for fire protection and spatial requirements. The project explores the integration of NBC guidelines into the planning process, including size selection, building orientation, number of floors, building capacity, different layouts and other relevant parameters. By taking advantage of the capabilities of AutoCAD, the project aims to plan a balanced residential building while ensuring adherence to the National Building standards. This project is aimed for the efficient and compliant residential building design and planning.

Keywords: Residential building planning, NBC, AutoCAD, Layouts, building codes.