

Report on Mini Project

PLANNING AND TWO-DIMENSIONAL DRAWING OF SENIOR SECONDARY SCHOOL USING AutoCAD

Submitted by

Anukriti Bala

Sundaram

Rajesh Kumar

Aditya Yadav

(Roll No:22024105) (Roll No.: 22024145) (Roll No.:22024131) (Roll No.:21024101)

B. Tech IVth Semester



Under the Guidance

Mr. Rochak Pandey

Assistant professor

(Civil Engineering)


DEPARTMENT OF CIVIL ENGINEERING
SCHOOL OF STUDIES OF ENGINEERING AND TECHNOLOGY
GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)
(A Central University established by the Central Universities Act No. 25 of 2009)
Session 2023-24

DEPARTMENT OF CIVIL ENGINEERING
INSTITUTE OF TECHNOLOGY
GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)
(A CENTRAL UNIVERSITY)





CERTIFICATE

This is to certify that the Mini Project work entitled **"PLANNING AND TWO-DIMENSIONAL DRAWING OF SENIOR SECONDARY SCHOOL USING AutoCAD"** presented by **Ms. Anukriti Bala** (Roll No.: 22024144), **Mr. Sundaram** (Roll No.: 22024118), **Mr. Rajesh Kumar** (Roll No.: 22024130) and **Mr. Aditya Yadav** (Roll No.: 210124101) students of B. Tech III Semester, Civil Engineering Department Guru Ghasidas Vishwavidyalaya, has been completed successfully and satisfactorily.

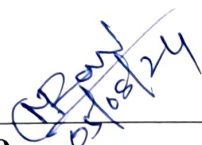
Signature 
Name: Mr. Rochak Pandey
Assistant Professor
(Guide)

Signature 
(EXTERNAL EXAMINER-1)

Signature 
(EXTERNAL EXAMINER-2)

Signature 
(EXTERNAL EXAMINER-3)

Signature 
(EXTERNAL EXAMINER-4)

Signature 
Dr. M. C. RAO
Head of department
Department of Civil Engineering
SOS (E & T), Guru Ghasidas Vishwavidyalaya (A Central University), Bilaspur

ABSTRACT

Building plan is essentially a graphical representation of what the building you're constructing will look like once construction has been completed. These plans can help you determine how much a project is going to cost, which is useful when creating an initial budget.

A good design plan includes a sequence of steps describing what is to be done to create the prototype, the materials, tools and equipment that will be required and one or more labelled sketches of the prototype. Design Planning is important because it...

- a. Requires students to think logically and sequentially when they delineate the steps involved in creating a prototype
- b. Requires students to clarify exactly what is to be created and tested
- c. Builds on student's helps students' prior knowledge of tools, equipment and materials
- d. Fosters students' ability to think ahead and be flexible

AutoCAD is a general-purpose CAD software program that can be used for a variety of purposes, including architectural, mechanical, and electrical design. It offers a wide range of features and tools, making it a versatile option for many different industries.

Some of the key features of AutoCAD include:

2D and 3D drafting, Dimensioning, Annotation, Rendering, Sheet metal design, Manufacturing, Easy Edits, Faster Production, Better Accuracy, Import and export of CAD files.

In India a building plan layout is accompanied by the criteria and rules specified by NBC which is hereby stated as followed

National Building Code of India (NBC) is published by Bureau of Indian Standards and it is a recommendatory document. However, once incorporated in State Fire Service Acts, National Building Code of India becomes a binding document.

NBC has been continuously amended and revised to adapt and grow with technological advancements.