



## AMERICAN INTERNATIONAL UNIVERSITY-BANGLADESH (AIUB)

Faculty of Engineering

BAE 2101: Computer Aided Design and Drafting

<b>1.0 Title</b>	
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Design a civil plan with electrical fitting & fixture according to BNBC using AutoCAD

### 2.0 Objectives

In this experiment, students will design the **civil plan of a conference room** in AutoCAD with Electrical Fittings according to Bangladesh National Building Code.

### 3.0 Experiment to Solve

The experiment should be designed by the students following below mentioned requirements:

1.	Draw a <b>Civil Plan</b> of <b>civil plan of a conference room</b> of total 8000 <b>SFT</b> (approx.) using AutoCAD Software.	[P1]	<b>20 points</b>
2.	Draw the <b>Fittings</b> for the civil plan consist of necessary electrical fittings applying BNBC.	[P4] [P5]	<b>10 points</b>

### 4.0 Lab Project Submission

<b>Course Name:</b>	COMPUTER AIDED DESIGN & DRAFTING	<b>Course Code:</b>	BAE 2101
<b>Semester:</b>	Spring 2024-2025	<b>Section:</b>	R
<b>Faculty:</b>		<b>OEL/Project</b>	1
<b>Assessment:</b>	<b>OEL (CO2 &amp; CO3), POI: P.e.1.C6</b>		
<b>Submission Deadline:</b>	<b>29<sup>th</sup> May 2025 (Thursday)</b>		

Category	Unsatisfactory (1-5)	Below Average (6-10)	Good (11-15)	Excellent (16-20)	Secured Marks
Civil Plan	The civil plan is either copied or very poor with major errors.	The civil plan is below average or incomplete with major errors.	The civil plan is drawn partially as per requirement with minor errors	The civil plan is unique and drawn as per requirements with proper dimensions	
<b>Comments</b>		<b>Total Marks:</b>			

Category	Unsatisfactory (0-3)	Below Average (5)	Good (7)	Excellent (8-10)	Secured Marks
Electric Fittings	The fittings are incomplete or copied	The fittings are drawn or placed inappropriately without maintaining BNBC	The fittings are drawn and placed appropriately with partially complying to BNBC	The fittings are placed appropriately and maintaining BNBC	
Comments		Total Marks:			

SL #	ID	Student Name	Department	Marks
03	22-46356-1	JALAL UDDIN	CSE	
04	22-46386-1	KAZI ABDULLAH JARIF	CSE	
32	23-53771-3	MD SADIKUR ISLAM	EEE	
24	23-50823-1	MD. EFAT AL KHALID SHAHADOUT	CSE	