

# Introduction To **CIVIL ENGINEERING AND MATERIALS**

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## ASSIGNMENT 3



**Group 9**



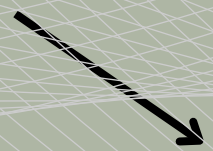
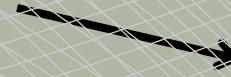
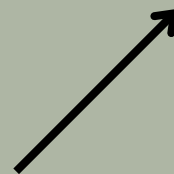
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**TEAM**

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**DIMENSIONS**

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# Our Team

Shrewa Shree Konika P Bharati

Sayed Shoaib Qayoom

Sandeep Kumar Meena

Samrat Koushik Shaw

Shalin Chakraborty

Shikhar Gautam

Samprit Saha



# OBJECTIVE

- Create a 3D model of school building from a 2D plan.
- Optimize spatial layout through strategic arrangement, encompassing classrooms, stairs, corridors, gates etc.

# WORK DIVISION

## PROJECT PLANNING

Shoaib  
Shikhar

## EXECUTION

Shalin  
Samrat

## DESIGN

Shrewa  
Samprit  
Sandeep



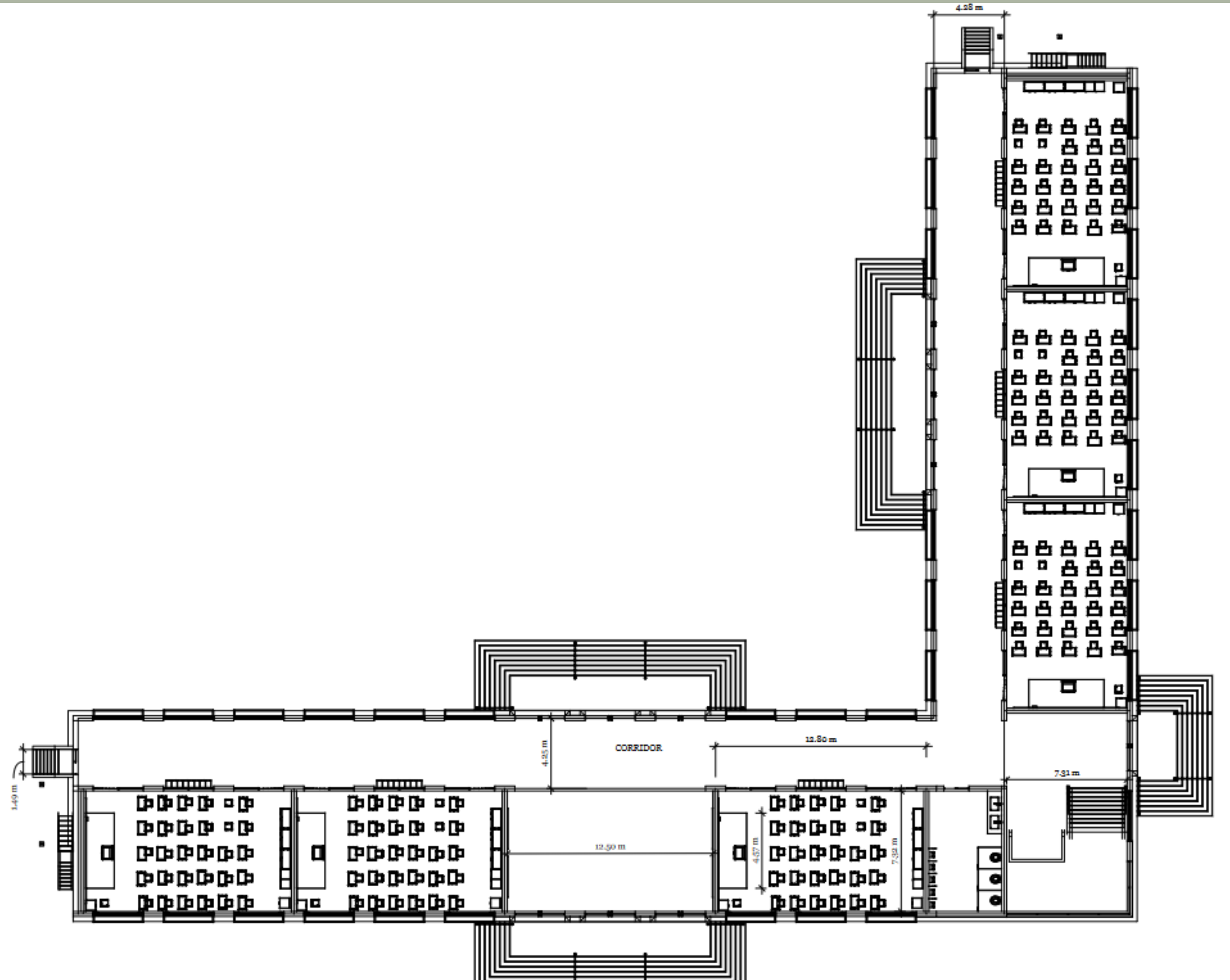
# DIMENSIONS

CLASSROOM	12.8M X 7.3M
STAIRS	3.65M
CEILING	5.28M
DOOR	2.03M X 0.91M
MAIN GATE	5M X 12M
CORRIDOR	4.25M

# DIMENSIONS

OUTER WALL WIDTH	0.254M
WALL BETWEEN TWO CLASSROOM	0.508M
REST ROOM	4M X 7.32M
EMERGENCY OUTER STAIRCASE WIDTH	1.4M

# 2D PLAN



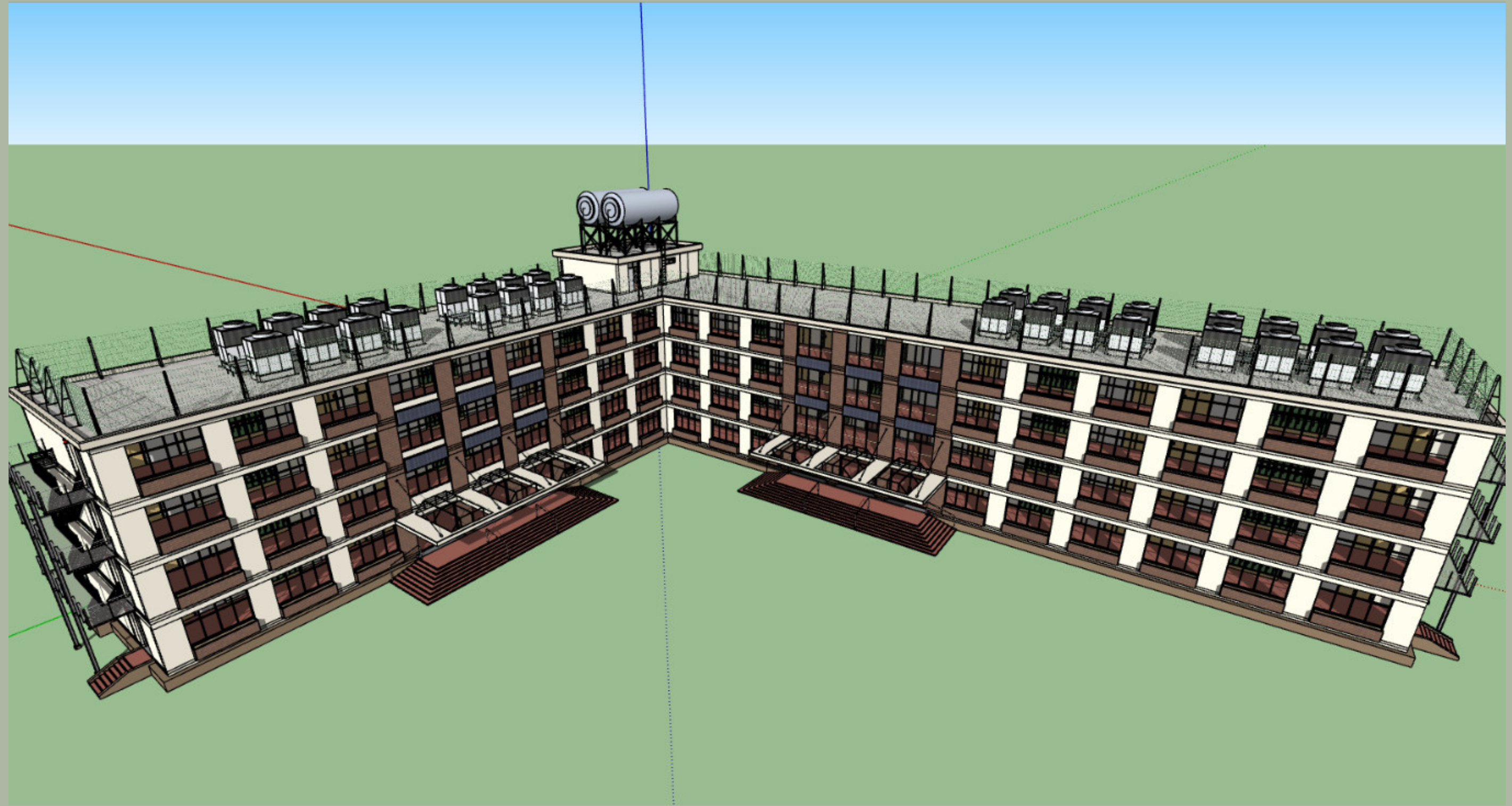


# TOP VIEW





# FRONT VIEW





# SIDE VIEW





# BACK VIEW



# LEARNINGS



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graph LR; A[LEARNINGS] --> B[Team Work]; A --> C[Design Thinking]; A --> D[Utilization of Google SketchUp Tools]; A --> E[Project Planning and Implementation];
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**Team Work**

**Design Thinking**

**Utilization of Google SketchUp  
Tools**

**Project Planning and Implementation**



**Thank  
You**