



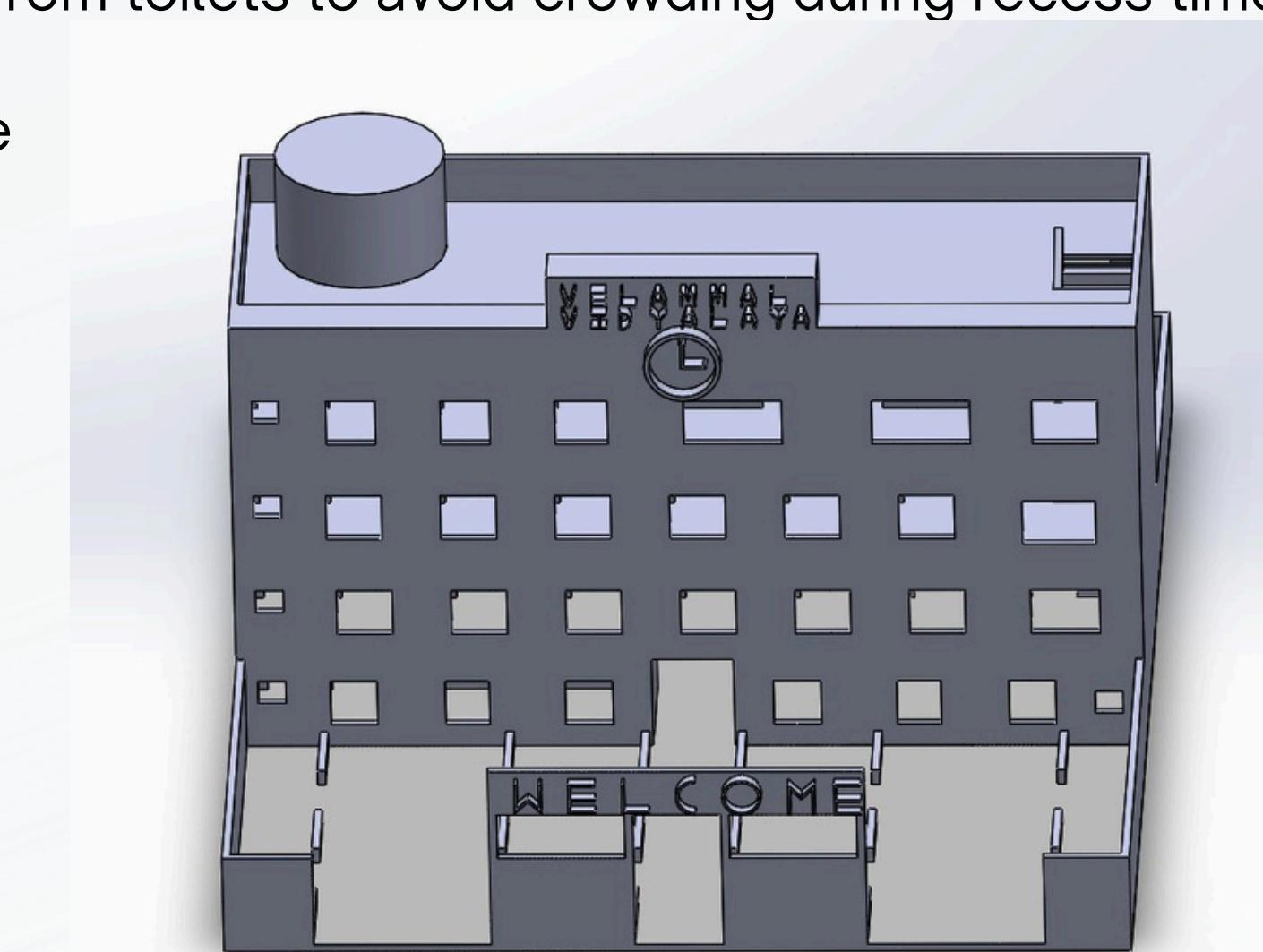
# **CE20201 : INTRODUCTION TO CIVIL ENGINEERING AND MATERIALS MINI PROJECT**

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# Description:

1. The school is to be constructed for 10+2 levels with the following subdivisions :
  - (i) Nursery: three classes (Nursery, class I and II) : One section for each class
  - (ii) Primary: Classes III, IV, and V : One section for each class
  - (iii) Junior: Classes VI, VII, and VIII: Two sections for each class, new admission in class VI
  - (iv) Secondary: Classes IX and X : Three sections for each class, new admission in class IX
  - (v) Higher Secondary: Classes XI and XII : Three sections for each class: Science, Arts, and Commerce.
2. Each class is of size  $49m^2$  ( $7m \times 7m$ ).
3. Doubly loaded corridors are present.
4. Additional rooms for the Principal room, Head Master's office, Administrative office, Teachers' room, Library, and Laboratories are present.
5. Toilets are provided on each floor and staircases away from toilets to avoid crowding during recess time near the staircases to prevent injuries.
6. Two playgrounds are provided incase two sections have PE class on same time
7. A G+3-storeyed building would be constructed.
8. Parking is available for the students and staff.



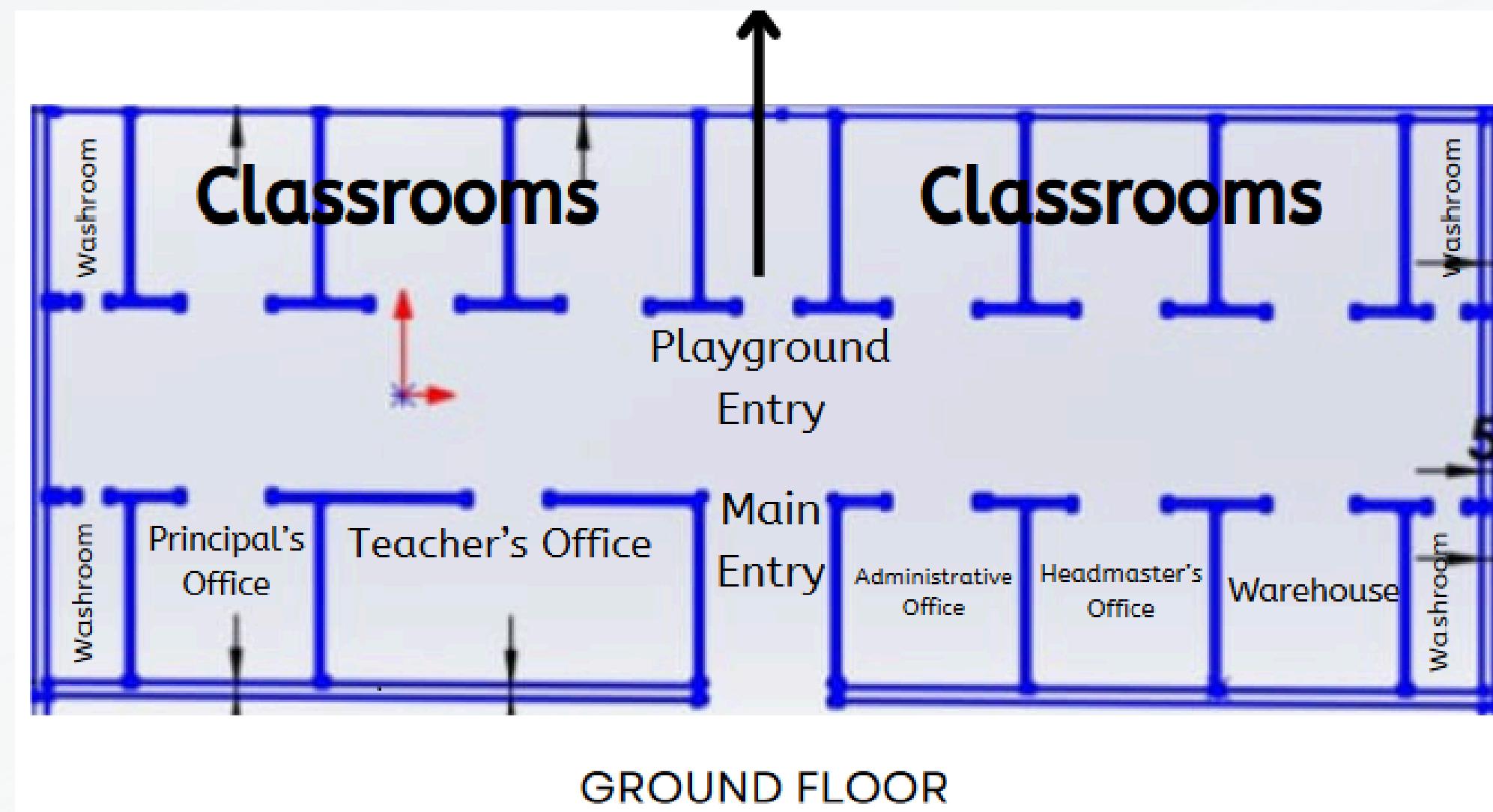
# **SOFTWARE USED:**

# **SOLIDWORKS 3D**



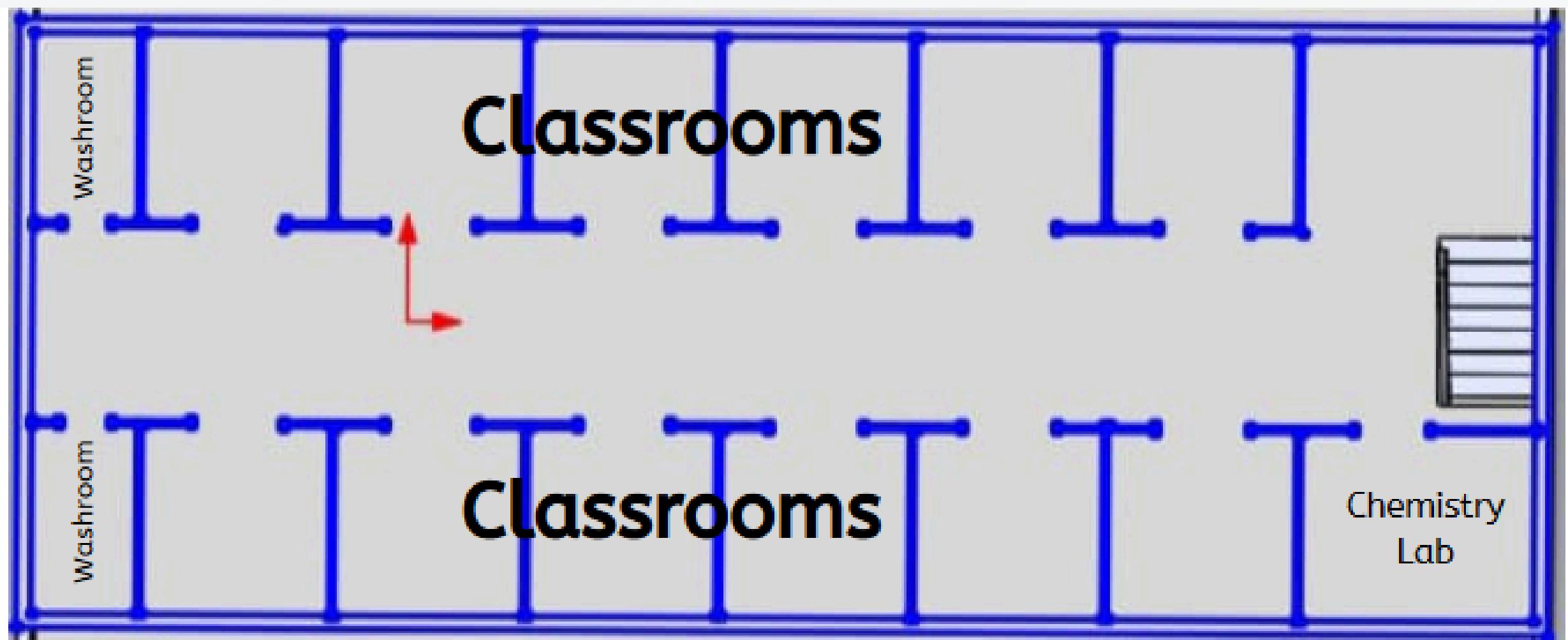
# GROUND FLOOR

There is an entrance and an exit along with a walkway towards the school building. There are two playgrounds provided behind it. Inside there is the administrative office, headmaster's office, principal's office, teacher's room and a store room. This ensures the comfort of the people managing the school and easy access to articles stored in the store room. Nursery and primary classes are present on the ground floor as per their sectional divisions. There is an exit from the inside of the building towards the playgrounds towards the opposite side of the main entrance.



# FIRST FLOOR

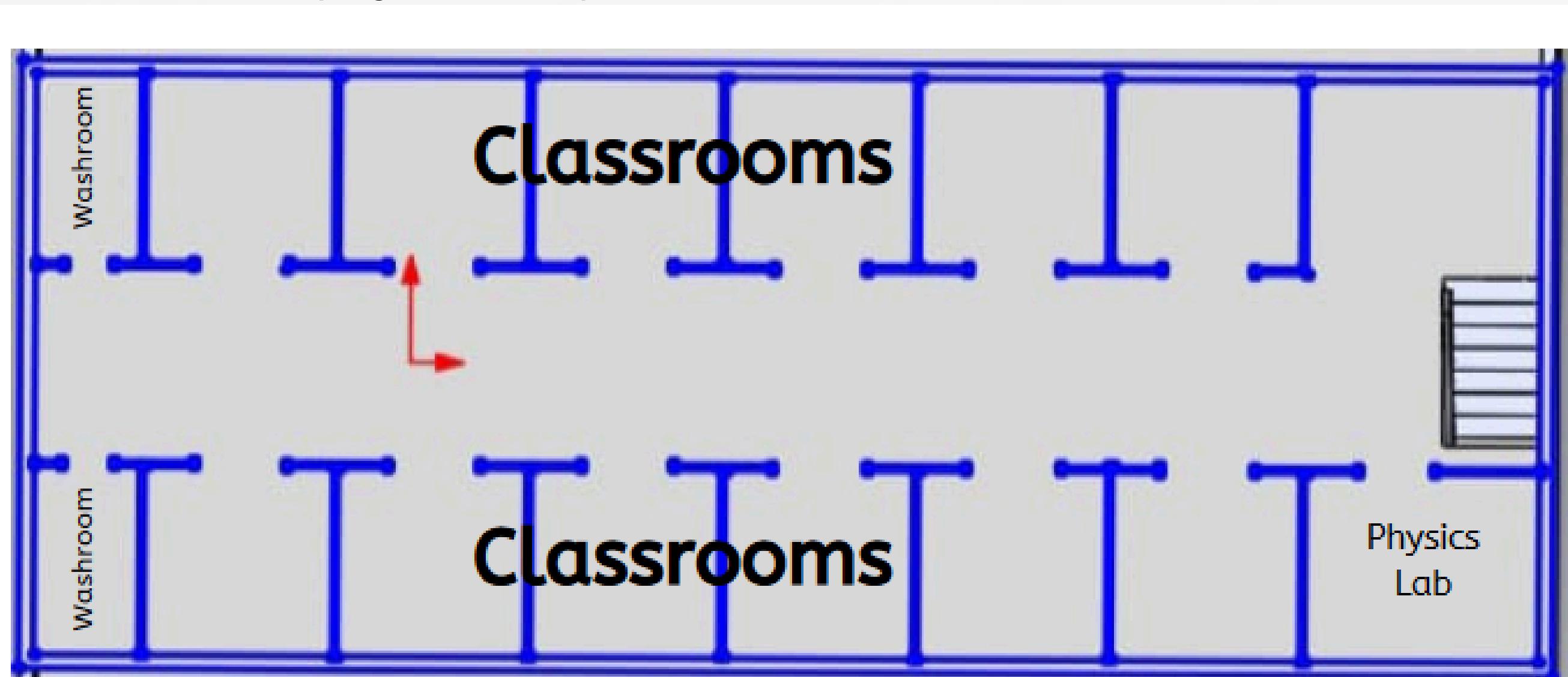
Here we have the classrooms for the junior and secondary school students. There is also the chemistry lab present. It is situated on the first floor, the lowermost floor where labs exist, aiding in easy evacuation in case of emergencies related to fire.



FIRST FLOOR

# SECOND FLOOR

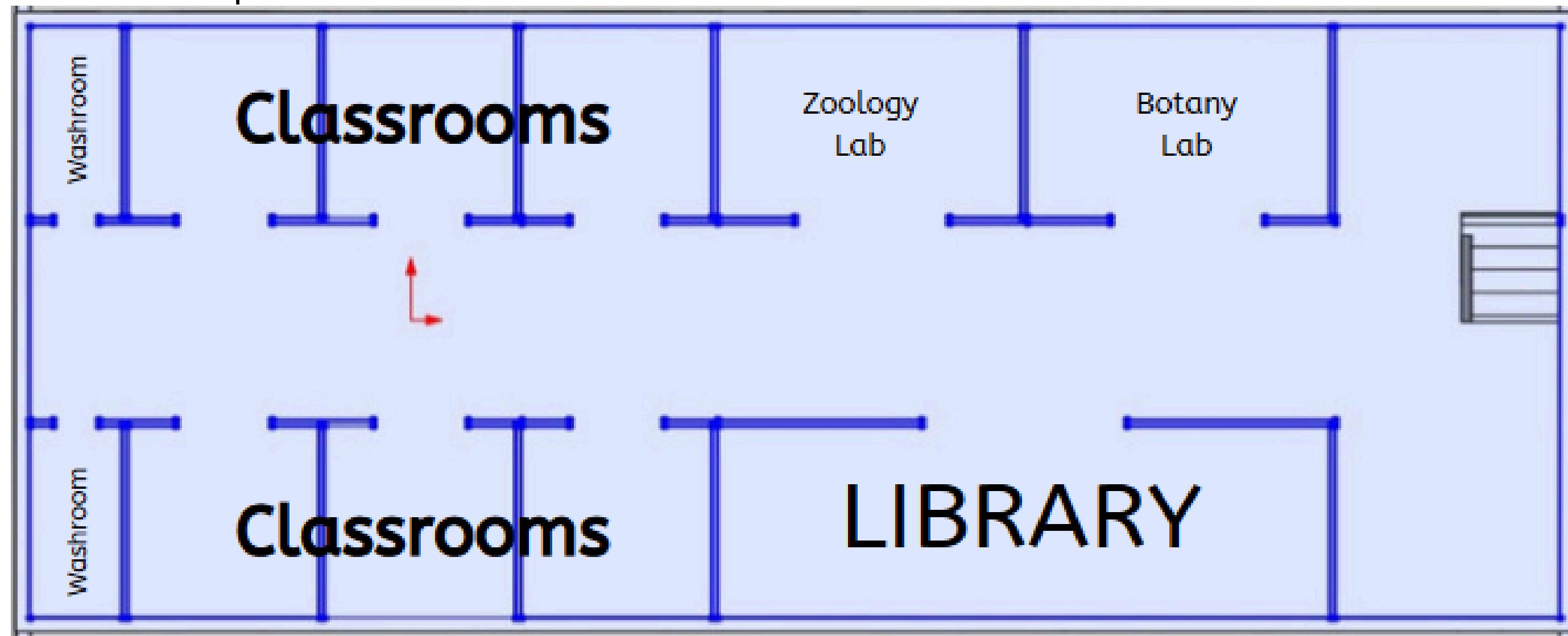
Here we have the classrooms for two of the three sections of the higher secondary school students. There is also the physics lab present.



SECOND FLOOR

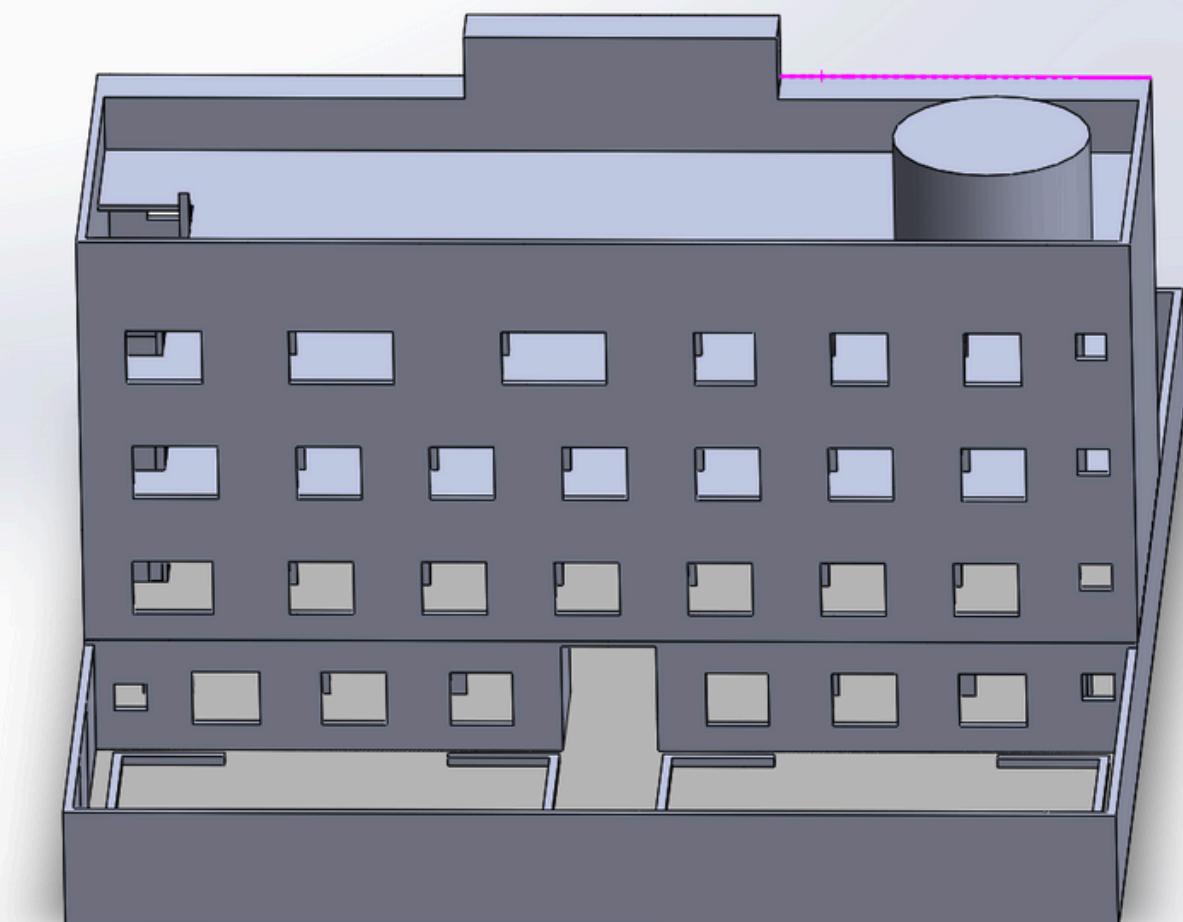
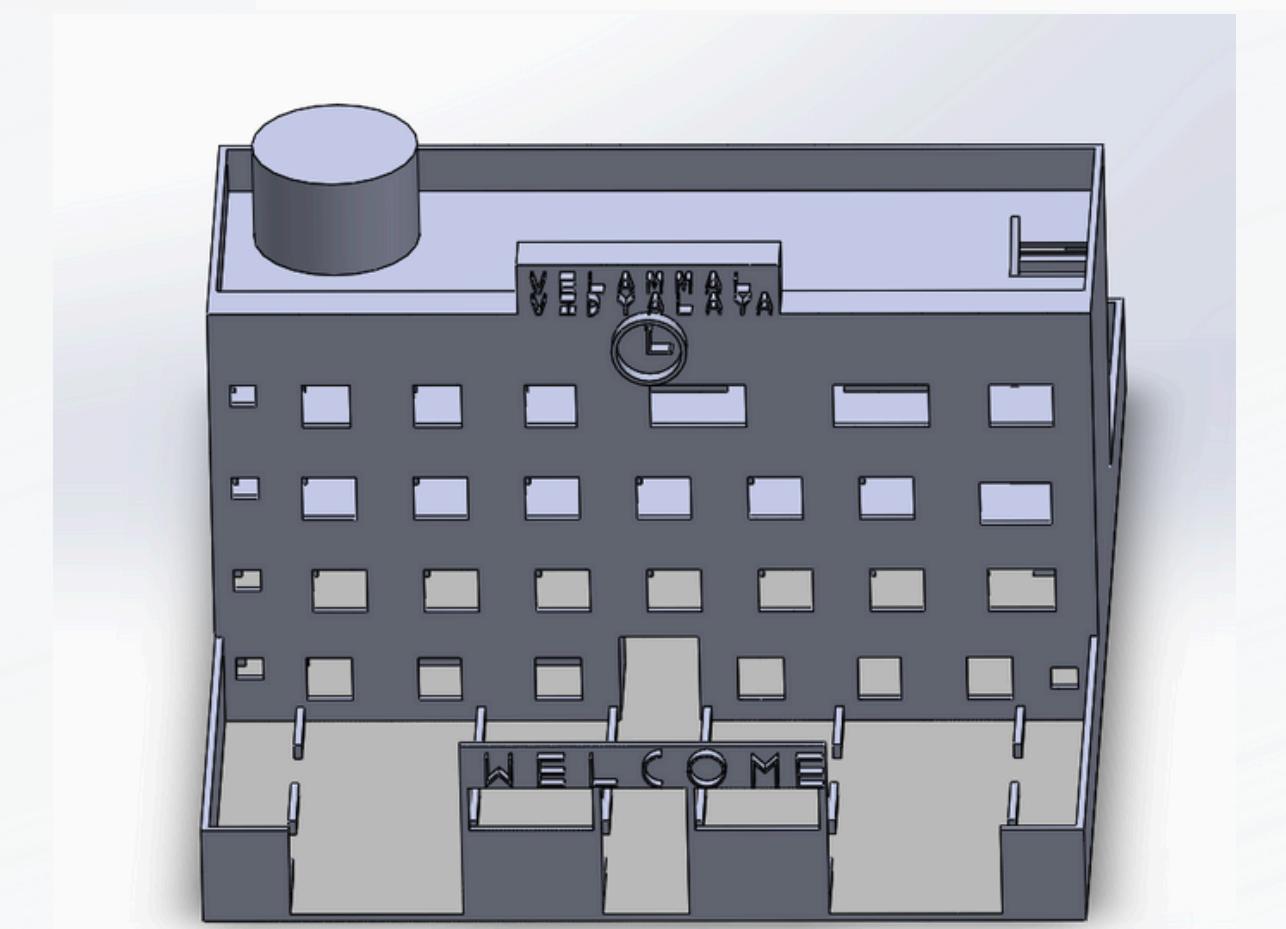
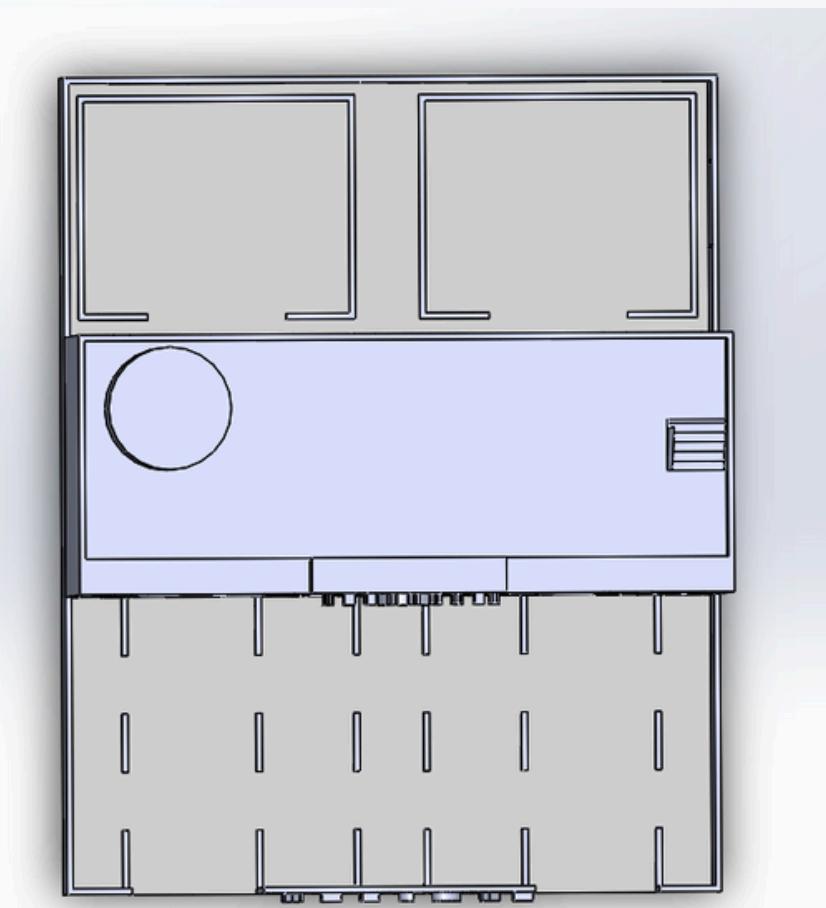
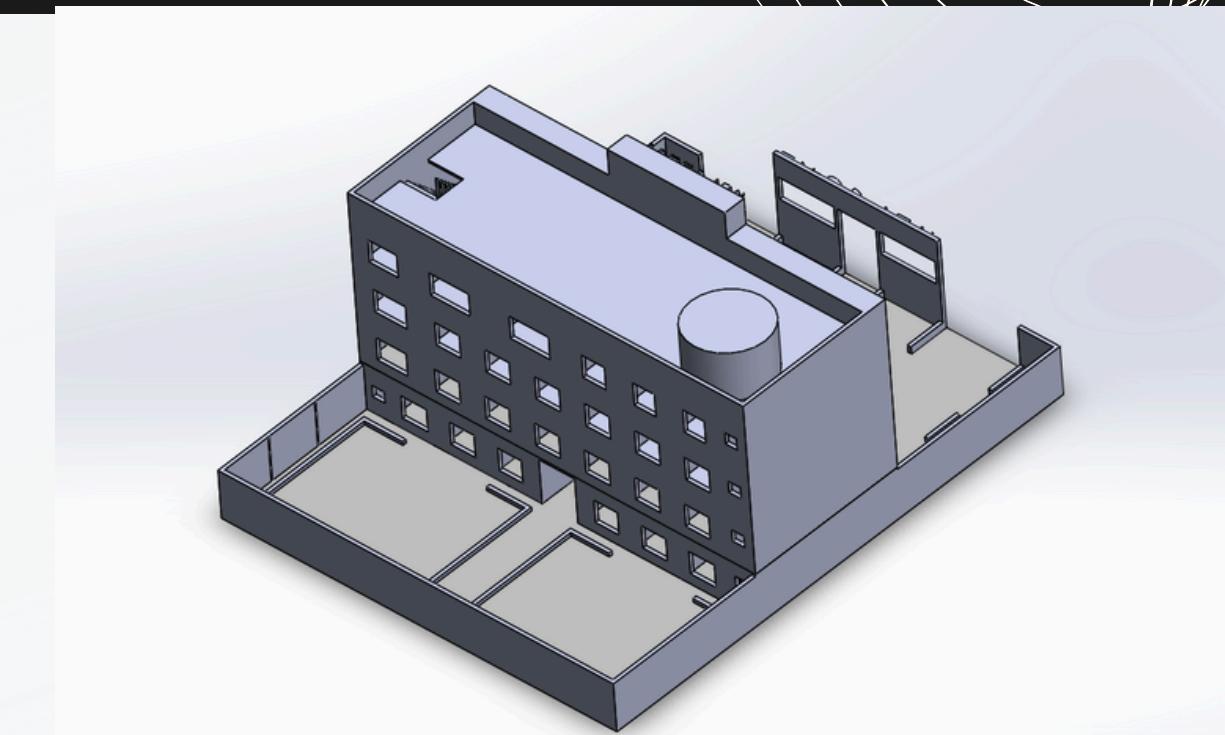
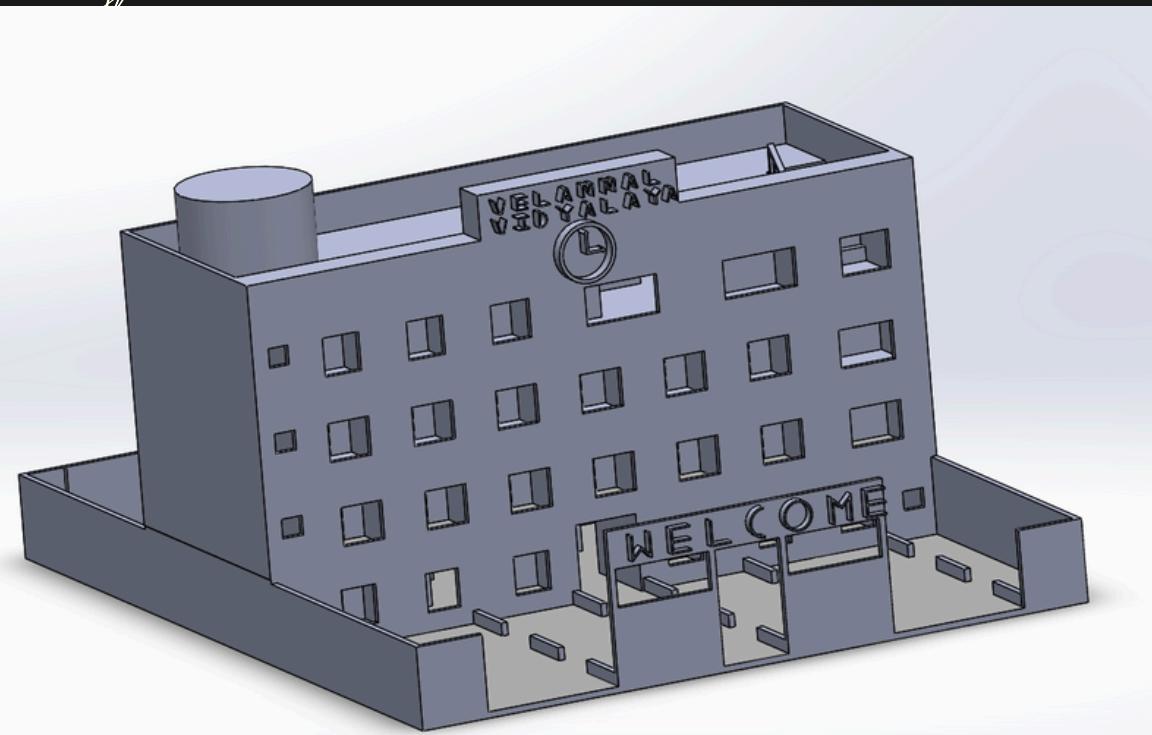
# THIRD FLOOR

Here we have the classrooms for the remaining section of the higher secondary school students. There are zoology and botany labs present along with the library. The school management is also planning to construct a computer lab next to the library to teach students about the practical applications of computers and related softwares



THIRD FLOOR

# 3D VIEW OF THE BUILDING



# **OUR TEAM**

**23CE10029: LOGHITH US (DESIGNING OF THE MODEL)**

**23CE10079: UPASANA MARKAM (VIDEO EDITING)**

**23CE10049: RAJESH DALAI (FLOOR PLANS, DOCUMENT)**

**23CE10081: VANGALA AKSHAY REDDY (PPT)**

**23CE10019: GULVE SHIVRAJ PREMRAJ (MANUAL DRAWING)**

**THANK  
YOU**

