# C++ PROJECT REPORT ON

# UNIVERSITY HALL MANAGEMENT

By

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Under the Guidance of

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## 1. Introduction :

Project on University hall management

This project supports following users

a. Student

b. University faculties

## 2.Project Overview :

1. The hall management project is useful to get information about the student in the room and the room number in which the particular student is sitting.
2. This program uses files to store the information and then to produce it whenever required.
3. It is coded using the concept of Inheritance in which the class 'room' the publicly inherits properties of class 'hall', in the same way the class 'student' inherits the properties of class 'room'.
4. The program takes the hall name and number of rooms in that hall from the user.
5. It takes room number of each room in the hall as input along with the four Student's name and Id as the maximum occupancy is four students per room.
6. The informations that are received from the user are stored in the file.
7. As the information is stored; we can search for the student name or room present in that hall.

   If we want to search a student we have to give student id as input. The room number and hall name in which the student is present will be displayed on the output screen.

   If we want to search by room then we have to give input for hall name and room number. It produces the output which contains the information of four students who are present in that room with their id.

## 3. Module Addition

1. This program can be modified as to take 40 students per room instead taking only four students in a room and we can increase the number of halls (existing program contains only one hall information).

2. The program can be advanced by displaying the information of Hall name, rooms in that, and student names with id in the form of a table.