**BUET RESIDENTIAL HALL MANAGEMENT SYSTEM**

A residential hall is a place to provide accommodation and some other facilities to the students who are studying in the corresponding institution. There are seven residential halls in BUET. We can categorize the students of BUET in two groups – Current Students and Alumni. Both current students and alumni have unique Student ID. Moreover a student can be of “Resident Type” or “Attached Type”. So each student will have a unique Student ID, a Name, a Status (Current Student or Alumni) and a Type (Resident or Attached).

An alumni will have a unique Student ID. The other information to be stored in this case are Name, Year of Passing, Current City and Profession.

A current student of a hall has to pay some fees monthly and yearly in exchange of the services that he gets from the hall, whether he is resident type or attached type. So a current student will have a unique Student ID, Name, Type (Resident or Attached), Department Name, Mobile No., Email ID, Blood Group, Permanent Address and Dues Status of Fees.

A resident student lives in a room in the hall. A bed is allocated for him. After passing from the institution, his bed will be allocated to a current student. So a resident student will have a unique Student ID, Name and Room No.

To provide accommodation to the resident students, there are a number of residential rooms. The residential rooms will have a unique room no., number of beds in the room and number of students currently living in the room.

There are a number of employees for different jobs. All the employees work under the guidance of Hall Provost and Assistant Hall Provosts. So, each employee will have a unique Employee No., Name, Job ID, from when he is working, Age, Salary and Contact No.