## ****Project****

**SRS (processing )**

## ****Functional Requirements****

We are using the **Waterfall model** for this project because it goes step by step and is easy to manage for our team. Below are the main functions of our Hostel Management System.

### ****Login and Verification****

Users can log in using registration number and password same as university admission portal .

Before opening the dashboard It will check login details so that application can move further .

### ****Dashboard****

The dashboard will show total rooms, available rooms, and no of beds available .

### ****Student Management****

New students can register by adding basic details (name, father’s name, email, gender, address, ).

Admins can edit or update student information.

The system will keep a record of student history.

When student inputs gender in the basic details above the building will automatically be selected for boys and girls

Since hostel buildings are separate for boys and girls, the system will verify the student’s gender and allocate rooms in the correct building.

### ****Room Management****

The system will store room numbers and bed details per room .

Rooms will be divided by type (AC/Non-AC) .

It will show which rooms are free or filled.

### ****Room Allocation****

it will assign a specific room and bed to the student.

Room status will update automatically on dashboard .

### ****Electricity Management****

The system will record **monthly electricity usage** for each room.

It will calculate **electricity bills** and show whether they are paid or pending.

### ****Mess Management****

The system will keep record of students who are using the **mess service**.

It will calculate **monthly mess (food) charges**.

Mess expenses will be added to the student’s overall monthly bill.

### ****Payments****

The system will calculate **room rent**, **mess charges**, and **electricity expenses** together.

A single **combined monthly bill** will be generated.

All bills will be shown together in one section along with the rent, so users can easily check their total amount.

After payment, the system will show a **confirmation message** and save the **payment history**

### ****Complaints****

Students can submit complaints with their details and issue description.

Admins will be notified of new complaints.

The system will track complaint progress.(either it is completed or in progress)

Complaint records will be saved.

### ****Others Facilities :****

**If the Laundry is required the extra charges can be paid to staff personally .**