

A
Synopsis Report
on

Hostel Routine Portal

*submitted in partial fulfillment of the requirements
for completion of SEMP LAB
of*

Third Year

in

Computer Engineering

by

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Problem Statement:

In hostels, adding in-out and night-out details in an offline mode is time consuming. Each time warden has to maintain student night out details in a register. To overcome with this problem, we are building an online web portal which helps warden to manage the daily in-out and night-out entries of students.

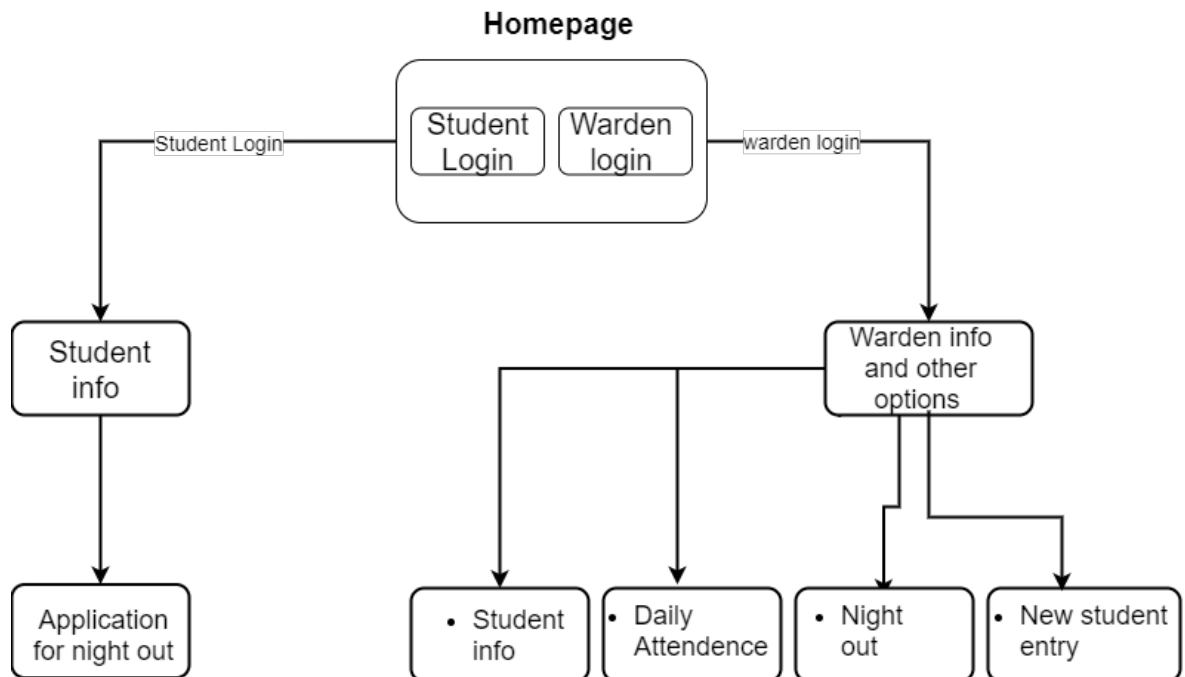
Software Requirements:

- Operating system : Windows 10
- Front End : HTML, CSS
- Back End : php
- Database : MySQL
- IDE : VS code, Arduino IDE
- Others : Xampp-local web server

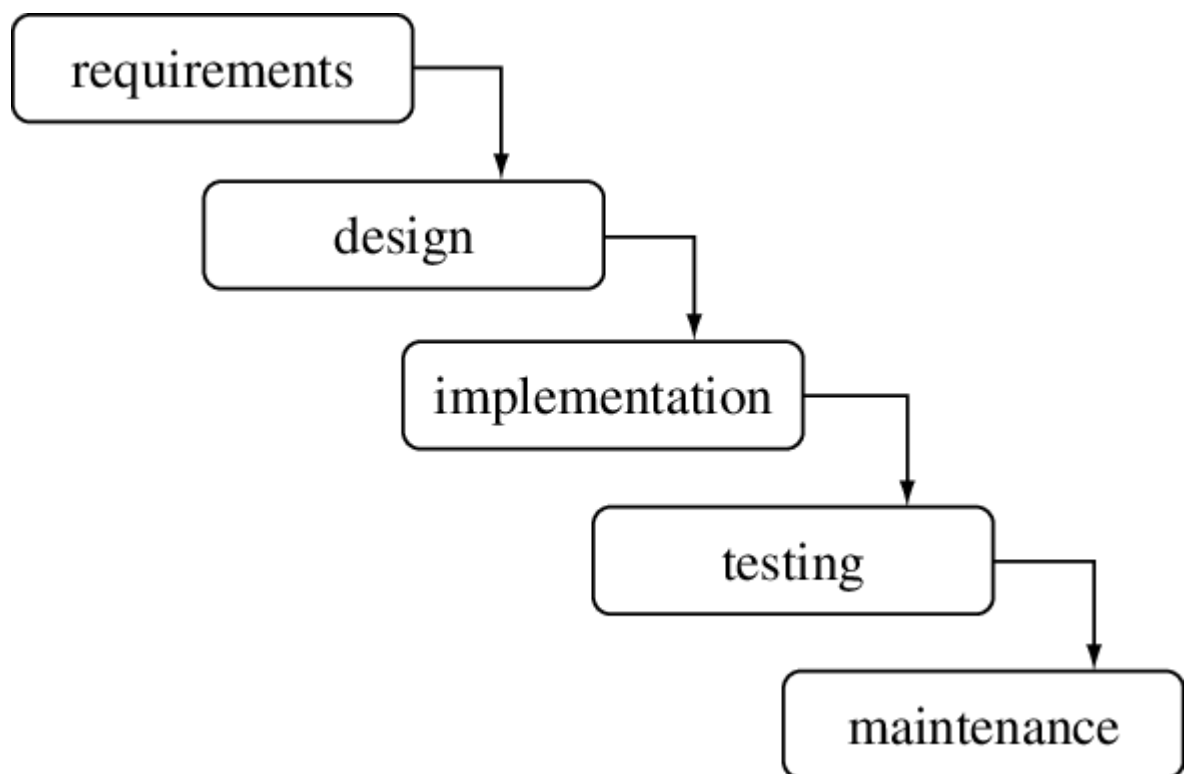
Hardware Requirements:

- Processor: Intel i5
- RAM : 4 GB (min)
- Hard Disk : 20 GB
- Others : Sensor(R305/R307), Arduino(unos), Breadboard, Connecting Wires, Potentiometer 10K (else we can use android as bio-metric device)

Block-Diagram:



Process Model:



Our project follows Waterfall model .

Requirements:

Maintaining daily attendance

Maintaining Night-out details

Design:

Creating Web pages and Database.

Implementation:

Connection of hardware and Software, and integrating the web pages together.

Testing:

Testing the complete application and identifies any defects in the application.

Maintenance:

Ensuring that the application is running smoothly on the servers without any downtime as well as maintaining database .