**OPASS**

**MODULES**

The proposed system consist of 6 modules,

* **Admin(College)**
* Login
* Manage Course
* Manage Batch
* Manage Hostel

Manage guards

Manage Warden

* Manage Teacher

View Leave Requests

Accept/Reject

* View/search student based on batch, course ,semester
* View request for out pass and sanctioning for teacher at office
* View reports related to leave, out pass
* Mailing to parents
* **Warden**
* login
* Manage Room
* Enrolling student to hostel
* View request for out pass and sanctioning in hostel
* View approved long leave requests
* View late coming students information
* **Teachers**
* Login
* Manage Students
* Teacher Request for leave
  1. View Status
* View Leave Request from student
  1. Accept/Reject
* View request for out pass and sanctioning for student at office
* Request for outpass
  + - 1. View Status
* View sanctioned outpass request to guard (Qr code included)
* **Students**
* Login
* View profile
* Request for out pass
  1. View Status
* Request for leave to teacher
  1. View Status
* View sanctioned request to guard (Qr code included)
* View leave request status
* **Functions of Security Guard**
* Login
* Verify out pass by scanning QR code
* Send messages to the warden and college when students are late. If repeats will be texted to parents.

**Tables**

* login
  + login\_id
  + username
  + password
  + user\_type
* batches
  + batch\_id
  + course\_id
  + start\_year
  + end\_year
* courses
  + course\_id
  + course\_name
  + duration
* hostels
  + hostel\_id
  + name
  + place
  + landmark
  + phone
  + email
* wardens
  + warden\_id
  + login\_id
  + hostel\_id
  + first\_name
  + last\_name
  + house\_name
  + place
  + phone
  + email
* security\_guards
  + guard\_id
  + login\_id
  + hostel\_id
  + first\_name
  + last\_name
  + house\_name
  + place
  + phone
  + email
* students
  + student\_id
  + login\_id
  + batch\_id
  + first\_name
  + last\_name
  + house\_name
  + place
  + parent\_email
  + phone
  + email
* teachers
  + teacher\_id
  + login\_id
  + first\_name
  + last\_name
  + house\_name
  + place
  + phone
  + email
* leave\_requests
  + leave\_id
  + requested\_id teacher\_id/student\_id
  + type teacher/student
  + reason
  + date
  + duration
  + date\_time
  + status
* rooms
  + room\_id
  + room\_no
  + hostel\_id
  + capacity
* student\_rooms
  + student\_room\_id
  + student\_id
  + room\_id
  + assigned\_date
  + status
* out\_passes
  + pass\_id
  + requested\_id teacher\_id/student\_id
  + type teacher/student
  + reason
  + request\_date
  + request\_time
  + reason
  + status
* late\_coming
  + late\_coming\_id
  + student\_id
  + date\_time
  + late\_by
* messages
  + message\_id
  + guard\_id
  + student\_id
  + receiver\_id
  + receiver\_type (warden\_id/college)
  + message
  + date\_time