**BACKEND**

MODULES:

1. ATTENDANCE
2. PAPER
3. SEMESTER
4. STUDENT
5. BATCH
6. ASSIGNED\_CLASS
7. TEACHER
8. DEPARTMENT
9. NOTICE
10. COLLEGE
11. UNIVERSITY

ATTENDANCE MODULE

Classes-Number of classes

Check-Boolean for checking Present or Absent

Date- storing the time stamp of the class

PAPER MODULE

Name-name of the paper

PaperCode-code of the paper

Attendance-[{}]Array of ATTENDANCE Object

SEMESTER MODULE

Sem-1st/2nd/3rd….6th/7th/8th Sem

Papers-[{}] Array of PAPER Objects in that Particular Sem

STUDENT MODULE

Name- name of the student

Email Id- user needs to login using this email

Password-encrypted password

Registration Number-

University Roll-

College Roll-

Contact-

Address-

Sems-[{}] Array of SEMESTER Objects<Automatically Sets>

BATCH MODULE

BatchName-Name of the Batch(Eg: 2018-2020)

Students-[{}]Array of STUDENT Objects of that Batch<While Batch Creation Students will be added Manually>

ActiveSemester-SEMESTER Object/\*

ASSIGNED\_CLASS MODULE/\*

Batch-BATCH Object

Paper-PAPER Object.Name

TEACHER MODULE

Name-name of the teacher

Email Id- user needs to login using this email

Password-encrypted password

{…Details}<Can Update Profile>

Assignedclasses-[{}]Array of Assigned Classes/\*

DEPARTMENT MODULE

Name-Name of the Department

Email-

Password-

Batches-[{}]Array of BATCH Object<Can Add and Update Batches>

Teachers-[{}]Array of Teacher Object<Can Add, Remove, Assign Classes to Teachers >

Sems-[{}]Array of SEMESTER Objects to be passed to each student of a batch while creation

Papers-[{}]Array of PAPER Objects to be created and later added to Semesters while their

Creation.

NOTICE MODULE

Title-Title of the notice

Description- Description of the Notice

Date-Date the notice was published

COLLEGE MODULE

Name-

ID-

Password-

{…Details}

Departments-[{}]Array of DEPARMENT Objects <Create Departments>