**EXAMINATION MANAGEMENT SYSTEM**

**Analysis:**

Examination has the key role in any educational field which can taken in many ways, from hand written, oral to online exam taking. The Exam management System is the System which consist of processes like student registration, paper modeling, faculty members registration, course content, examination schedule and result making etc. Exam Management System is the digital and easy way to perform all the task easily and cover all the premises which are required for whole processes of examinations. For the perfect certainty of Exam Management System, we require perfect algorithms which leads us to code that System precisely and immaculately.

Exam Management System also provide track of the student progress. Which can help teacher to engage and focus the student where he should work hard, or where he should keep an average momentum in his studies. Exam Management System keep the track record of faculty members because after flawless result provided by the System, make sure that which faculty member is good in fulfilling his responsibilities and which one should fulfill his responsibilities.

Exam Management System will keep the track record of the following classes and attributes:

**Classes:**

**Permission Class:** Permission Class manage all the operations of permissions require by other classes.

**Marks Class:** Marks Class manage all the operations of marks.

**Paper Class:** Manage all the operations of Paper.

**Role Class:** Manage all the operations of Role.

**Examination Class:** Manage all the operation of Examination

**User Class:** User Class manage all the operation of Users.

**Faculty Class:** manage all the operations of Faculty.

**Student Class:** Manage all the operations of Students.

**Course Class:** Manage all the operations of Courses.

**Attributes:**

**Permission Class:** permission\_id: intpermission\_role\_id: intpermission\_title: Stringpermission\_discrption: String

**Marks Class:**marks\_id: intmarks\_type: Stringmarks\_result: Stringmarks\_stu\_id: int

**Paper Class:**

paper\_id: intpaper\_type: Stringpaper\_exam\_id: intpaper\_name: Stringpaper\_subject:String

paper\_date: datepaper\_time: timepaper\_location: Stringpaper\_numofcopies: int

**Role Class:**role\_id: introle\_title: Stringrole\_discription: String

**Examination Class:**

exam\_id: intexam\_type: Stringexam\_name: Stringexam\_desciption: Stringexam\_date: dateexam\_student\_id: int

**User Class:**

user\_id: intuser\_role\_id: intuser\_name: Stringuser\_email: Stringuser\_dob: dateuser\_address: Stringuser\_Phone\_no: int

**Faculty Class:**

faculty\_id: intfaculty\_name: Stringfaculy\_description: Stringfaculty\_typr: Stringfaculty\_teacher\_id: intfaculty\_room: String

**Student Class:**

student\_id: intstudent\_name: Stringstudent\_mobile: Stringstudent\_email: Stringstudent\_username: Stringstudent\_dep: Stringstudent\_pasword: Stringstudent\_addres: String

**Course Class:**

course\_code: Stringcourse\_name: Stringcourse\_semester: Stringcourse\_dep: String

Below is the UML diagram Showing Classes and Variables.

