**PROJECT**

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**Student management system**

**Introduction to ICT** (lab)| *SIR. JUNAID*

# **Functional requirements:**

* CONSOLE BASED SYSTEM
* ADD,VIEW,EDIT,REMOVE,SEARCH STUDENT RECORD
* WHILE ADDING USER HAS TO ADD ESSENTIALS (NAME ,REG NO,SEMESTER ETC)
* USER CAN VIEW ALL THESE STUDENTS FROM VIEW SECTION
* USER CAN SEARCH STUDENT BY REG NO.

# **Functional capabilities:**

## **Entities**:

* Student
* Teacher
* Administrator

## Student:

* Student will be able to view his:
* Name, father name and reg no.
* Contact no. and email
* Field, Semester and courses
* Student can check his GPA.
* Student can check his pending fees
* Student can also add a note for admin to read i.e. report log
* Student will search his record using registration number
* **ADDITIONAL** (may or may not be included):
* Student will also require his id and password to log in
* Student can register his courses
* He can also withdraw/drop his courses

## Teacher:

* Teacher can edit marks of courses
* Teacher will require a username and password to edit marks
* Teacher can view record of all students
* Teacher can search student by name or reg no.

## Administrator:

* Admin will have access to all the functions with a username and password
* Admin will be able to add, remove student records
* Admin will add /remove teachers
* Admin will add field ,courses , semester of students
* Admin will add all the necessary information when adding a student to the record
* **ADDITIONAL** (may or may not be included):
* Admin will give deadlines for course registrations

**GENERAL:**

* All records will be sorted according to field.
* Students will be sorted in alphabetical order
* In case of GPA less than the required to maintain admission the student will be shown as DI.
* Student cannot edit any info only teacher and admin have the access to do so.
* Error for any incorrect information added i.e. if the info is not according to the format required it will generate an error
* The registration no. of each student will be unique and will be the primary key used for everything.