

# Student Management System

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CRC Index Cards & Class Diagrams.

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**Potential Classes.**

<b>Potential Classes</b>	<b>General Classification</b>
Prospective Student	Role or external entity
Student	Role or external entity
Faculty member	Role or external entity
Administrator	Role or external entity
Database	External entity
Host server connection	External entity
Bank	External entity
Payment Gateway	Things
Admission Form	Structure
Admission Details/Documents	Attribute of “Admission Form”
Login	Structure
Student Dashboard	Structure
Faculty Dashboard	Structure
Admin Dashboard	Structure
Courses/Subjects	Structure
Assignments	Structure
Tests/Exams/Quiz	Structure
Exam details	Attribute of “Tests/Exams/Quiz”
Grades/Score	Attribute of “Tests/Exams/Quiz”

Mark sheet	Structure
Timetable	Structure
Fees	Structure
Fee Status	Attribute of “Fees”
Attendance	Structure
Batch	Attribute of “Student”
Semester	Attribute of “Student”
Course Documents	Attribute of “Course”
Password	Attribute of “Login”
User ID	Attribute of “Login”

**Inclusion of classes.**

<b>Potential Classes</b>	<b>Characteristic number that applies</b>
Prospective Student	Rejected; 1 fails.
Student	Accepted by all.
Faculty member	Accepted by all.
Administrator	Accepted by all.
Database	Rejected; 2 fails.
Host server connection	Rejected; 1, 2 fails.
Bank	Rejected; 1 fails.
Payment Gateway	Rejected; 2 fails
Admission Form	Accepted by all.
Admission Details/Documents	Rejected; 2 fails
Login	Accepted by all.
Student Dashboard	Accepted by all.
Faculty Dashboard	Accepted by all.
Admin Dashboard	Accepted by all.
Courses/Subjects	Accepted by all.
Assignments	Accepted by all.
Tests/Exams/Quiz	Accepted by all.
Exam details	Rejected; 2 fails.
Grades/Scores	Accepted by all.

Mark sheet	Rejected; 2 fails.
Timetable	Accepted by all.
Fees	Accepted by all.
Fee Status	Rejected; 2 fails.
Attendance	Accepted by all.
Batch	Rejected; 2 fails.
Semester	Rejected; 2 fails.
Course Documents	Rejected; 2 fails.
Password	Rejected; 2 fails.
User ID	Rejected; 2 fails.

**Student**

## Student Dashboard

- Knows Roll no.
- Knows name
- Knows birth date
- Knows semester

- Teachers
- Admin
- Quiz
- Assignment

**Faculty**

## Faculty Dashboard

- Knows faculty\_id
- Knows name
- Knows birth date
- Knows department

- Student
- Admin
- Quiz
- Assignment

**Admin**

- Knows Admin\_id
- Knows name
- Managing Admissions
- Change details and privileges
- Knows date of birth
- Remove Faculty/Student

- Student Dashboard
- Faculty Dashboard
- Admission Form

Student Dashboard		Student
<ul style="list-style-type: none"> <li>• Display and attempt quizzes</li> <li>• Display and submit assignment</li> <li>• Download Course documents</li> <li>• Display personal information</li> <li>• Request for information change.</li> <li>• Display time table</li> <li>• Checking attendance</li> <li>• Paying fees</li> </ul>	<ul style="list-style-type: none"> <li>• Admin</li> <li>• Quiz</li> <li>• Assignment</li> <li>• Fees</li> <li>• Courses</li> </ul>	

Faculty Dashboard		Faculty
<ul style="list-style-type: none"> <li>• Display and set quizzes</li> <li>• Display and add assignment</li> <li>• Display personal information</li> <li>• Request for information change.</li> <li>• Display time table</li> <li>• Add and update attendance</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>• Quiz Assignment</li> <li>• Admin</li> <li>•</li> </ul>	

Admission Form		
<ul style="list-style-type: none"> <li>• knows admission details validate</li> <li>• the form</li> <li>• submit the form</li> </ul>	<ul style="list-style-type: none"> <li>• Admin</li> </ul>	

## Course

- Knows course name
- Knows course id
- Display course Content
- Download Course Content
- Display content

- Student Dashboard
- Faculty Dashboard

## Grade

- evaluate grades of all the students
- give summary about average grade of each course
- help teacher to evaluate student
- Display the grades to Student

- Student Dashboard
- Faculty Dashboard
- quiz
- assignment

## Quiz

- Knows quiz question
- Knows Answer Key
- check whether answer is correct
- Set the grades.

- Grade
- Faculty Dashboard
- Student Dashboard

## Timetable

Student, Faculty

- Displays time table to Student.
- Displays time table to Faculty.

- Faculty Dashboard Student
- Dashboard



## Attendance

- |   |   |
|---|---|
| <ul style="list-style-type: none"><li>• Display attendance to Student Add</li><li>• and update attendance.</li><li>• Display students whose attendance are below threshold.</li></ul> | <ul style="list-style-type: none"><li>• Student dashboard Faculty</li><li>• dashboard</li></ul> |
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## Fees

- |  |  |
|--|--|
| <ul style="list-style-type: none"><li>• Fees Status.</li><li>• Redirect to payment gateway if not paid the fees.</li></ul> | <ul style="list-style-type: none"><li>• Admin</li><li>• Bank</li><li>• Student</li></ul> |
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