# Student Information System Using Cloud Computing

**Description:**

Student information system using cloud computing is a web application that helps the students to get the detail about the events that are conducted in other colleges and in their campuses. The students can establish the details about the events that they are aware of and the students can registered through this system. In the proposed system aws cloud is used as the backend and the data can be store and retrieve from the cloud at anytime from anywhere. It is highly scalable reliable and cost effective. The faculties of the respective institutions can get the details of the students who are registered in the events will be generated in the form of excel sheet.

The existing system contains the details about the students like their attendance ,academic details, personal details etc..and they won’t mention about the extracurricular activities. The existing system has to manage the physical servers but in our proposed system there is no need to manage the physical servers.

**Technology details:**

HTML/CSS,JS with IDE: Visual basic code/

**Screen details:**

Common screens like Login & Dashboard will be done as a general process.

1. Student details
2. Faculty details
3. Event details
4. Publish details
5. Data generation
6. **College details**

Here we need to gather the student details information as below; the same are stored in student login table.

Student RegNo

Student password

1. **Faculty details**

* Faculty details will handle with the details of the user name and the password of the faculty for publishing the event details that are aware of and they can generate the details of the students in the form of excel sheet.

Faculty UserName

Faculty Password

**Insured Details**:

Main Insured: Name from Client Screen

[student details] [Include “Add More” button beneath the details]

Regno

Password

[faculty details] [Include “Add More” button beneath the details]

UserName

Password

1. **Event details**

* Design to show the details of the events that are going to be happened in other campuses and in their campuses.
* The event details will contains the EVENT\_TYPE, EVENT\_NAME , START\_DATE,END\_DATE
* The students can register through this page

1. **Publish details**

Design to publish the events by the students and the faculties that they are aware of the page will contain the PUBLISHER\_NAME, CLASS, EVENT\_NAME, EVENT\_TYPE, DESCRIPTION, START\_DATE ,END\_DATE.

The publisher data will be stored in the event list table.

Create a excel sheet to generate the details of the students.

1. **Data generation**

The student details will be generated in the form of data generation table when a student registered in the publish page then the data will be automatically store in the excel sheet.

**DATABASE DESIGN**

**PK –** Primary Key**; FK –** Foreign Key

**MASTER TABLES:**

1. **EIS\_MST\_STUDENT**

NUM\_STUDENT\_REGNO NUMBER(10) [PK]

VCH\_STUDENT\_PASSWORD VARCHAR2(250)

1. **EIS\_MST\_FACULTY**
2. VCH\_FACULTY\_USERNAME VARCHAR(250)
3. VCH\_STUDENT\_PASSWORD VARCHAR2(250)
4. **EIS\_MST\_EVENTLIST**

NUM\_\_SNO\_ID NUMBER(10) [PK]

VCH\_ EVENT TYPE VARCHAR2(100)

VCH\_EVENT NAME VARCHAR(100)

NUM\_STARTDATE NUMBER(10)

NUM\_END DATE NUMBER(10)

1. **EIS\_MST\_PUBLISH EVENTS**

VCH\_PUBLISHER NAME VARCHAR(250) [PK]

VCH\_EVENT NAME VARCHAR(250)

VCH\_EVENT TYPE VARCHAR2(100)

NUM\_REGISTRATION DATE NUMBER(10)

VCH\_DESCRIPTION VARCHAR(1000)

1. **EIS\_MST\_REGISTER**

VCH\_CLASS VARCHAR(250)

VCH\_EVENT TYPE VARCHAR2(200)

VCH\_EVENT NAME VARCHAR(200)

NUM\_DATE FROM NUMBER(10)

NUM\_DATE TO NUMBER(10)

**TRANSACTION TABLES:**

1. **EIS\_TRN\_NM\_REPORT GENERATION**

NUM\_SNO NUMBER(10)[PK]

VCH\_STUDENT\_NAME VARCHAR2(250)

VCH\_CLASS VARCHAR(250)

VCH\_EVENT\_TYPE VARCHAR(250)

VCH\_EVENT\_NAME VARCHAR(250)

DTT\_START\_DATE DATETIME

DTT\_END\_DATE DATETIME

**UNIT TEST CASES:**

Explain the unit test cases to be applied for each screen & also the validations for each control. Provide the end result details for the system. For Example:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Test Case Id** | **Scenario** | **Steps** | **Test Data** | **Expected Results** | **Actual Results** | **Pass / Fail** |
| 1 | Login with valid Data | 1. Goto student Login screen 2. Enter Regno & password 3. Click Signup | Regno:  Password: | Dashboard page to be displayed on successful login | As expected | Pass |
| 2 | Login with valid Data | 1. Goto faculty Login screen 2. Enter Username & password 3. Click Signup | Username:  Password: | Dashboard page to be displayed on successful login | As expected | Pass |

**Acknowledgment:**

**Student Name: Aishwarya.M , Anjana Manoj, Deepthi.K.T**

**Project Guide: Mrs.Kamala.v**

**Class:** BE CSE – 4th Year **Dept:** Computer Science Department

**Signature: Signature:**

**Date: Date:**

**Project Coordinator: Mrs.Poongothai.k**

**Dept:** Computer Science Department

**Signature:**

**Date:**