**Sigma Test Plan**

**Introduction**

The Scheduling assistant is a system through which scheduling is done with different faculty and students. There are several components like rooms, days ,time periods. To start the scheduling, the user needs to input some login details for faculty.

**Scope**

**The main objective of this project is to deliver a website that can help us to schedule classes for the faculty.**

**Test Strategy**

The following are the test cases needed to be tested before the product is delivered to the client:

* For scheduling we should check whether the faculty is assigned the correct no. of hours or not.
* Testing is to be done with faculty and students. We have check whether the class is not assigned to more than one faculty. so that it doesn’t lead to collision.
* First testing should be done on individual scenarios and later all the scenarios are combined through drag and drop feature and it is tested by implementing various combinations of the project and then it is delivered to the client.
* If the provided login credentials are wrong or forget to enter credentials and click login an error is thrown.
* In faculty course page if we don’t enter subject then error message must appear.

**Environment Requirements**

**A full loaded system with all the software’s and tools installed that are required for the project to run. At present we thought of perform the manual testing for the entire project. Later on we can shift to using tools.**

**Test Schedule**

**As of now we are in the requirements gathering and planning the project so we don’t have the idea of the schedule for testing. Once we got the development idea and schedule then we will update the test schedule.**

**Control Procedures**

Everyone in the team was assigned with the particular task and once the individual delivers the output the code and the document is checked thoroughly.

* Reviews:

After testing each and every block of code a review or comment must be made.

* Bug Review meetings:

Whenever there is a bug or error found, we need to report to the particular individual who is responsible for building the part of code.

* Change Request:

If any requirement that does not match with the code then the proper change request will be initiated and sent to the development team. Serval versions of change request documents will be maintained for the future reference.

* Defect Reporting:

When a defect is identified an immediate feedback was provided to the team with proper comment and issue regarding the defect.

**Deliverables**

A fully loaded website with all the features such as drag and drop, buttons and on-click actions for faculty, students. Assigning classes to the faculty and students .