1. **TESTING**
   1. **TESTING PLAN**

1.Test the login system.

2.Test the post system.

3.Test the enroll system

4.Test the attendance system

5.Test the result system

* 1. **TESTING STRATEGY**

smoke testing:The developed software component are translated into code and merge to complete the product.

* 1. **TESTING METHODS**

GRAY BOX TESTING

GRAY BOX TESTINGis a [software testing method](http://softwaretestingfundamentals.com/software-testing-methods/) which is a combination of [Black Box Testing](http://softwaretestingfundamentals.com/black-box-testing/) method and [White Box Testing](http://softwaretestingfundamentals.com/white-box-testing/)method. In Black Box Testing, the internal structure of the item being tested is unknown to the tester and in White Box Testing the internal structure is known. In Gray Box Testing, the internal structure is partially known. This involves having access to internal data structures and algorithms for purposes of designing the test cases, but testing at the user, or black-box level.

* 1. **TEST SUITES DESIGN**

Login test suite:

Username:16ce068@charusat.edu.in

Password:incorrect

Username:abc@abc.com

Password:12

Username:16ce068@charusat.edu.in

Password:correct

Post functionality test suite:

All details filled

Some details left to fill

Enroll test suite:

Enroll one time

Enroll many times in one company

Qr code test suite

Correct qr code scanning

Incorrect qr code scanning

Result system test suite

Give pass status to student

Give fail status to student

* 1. **TEST CASES**
     1. **Purpose**

To Make attendance more secure. To make qr code reader in perfect condition to match requirements of changing qr codes.

* + 1. **Required Input**

Image of valid qr code was put in front of camera. The attendance was activated by teacher and student giving attendance.

* + 1. **Expected Result**

The result variable of enrollment class should contain present after correct input.