# MASTER

# TEST PLAN

# AskMe



| Version | Date | Description | Author |
|---------|------|-------------|--------|
| 1.0 | 23/12/2021 | Rough proposed master test plan | Chhiring |
| 1.1 | To be advised | Revised version of master test plan | Team 01 |

## 1. EXECUTIVE SUMMARY

### 1.1. Project objective

Project objective here is simple i.e., to create the website named AskMe which shall be based on e-learning platform. This website will answer any question of every field to the users.
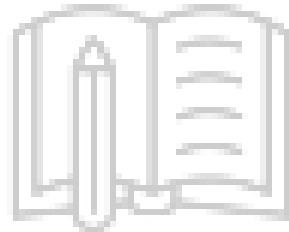
### 1.2. Test objectives

The main objective of test is to make code error free and applicable in any condition. However, the major reason for the test to perform are also to meet the NFR criteria so that the phase from development to deployment goes smoothly.

### 1.3. Test approach

Many testing process will be used as a test approach to make sure the code and website will run error-free. Some of the major test that we will perform are:

a.  Dynamic testing

b.  Unit testing.

c.  Integration testing

d.  System testing

Also, debugging will be performed to rectify and correct the errors on the website. Moreover, different tests according to the requirement will be performed like for performance stress testing, response time and load testing will be done.

## 2. Documentation

### 2.1. Basis for master test plan

Many documents related to risk and requirements will be taken in consideration to create a master test plan. All the documents that shall be used are listed below:

| Document name |
| --- |
| **Project Vision** |
| **Initial Requirement Model** |
| **Proposed Architecture** |
| **Risk List** |
| **Project plan** |
| **NFR** |

### 2.2. Test basis

Test were performed based on following documents:

| Document name |
| --- |
| **Use Cases Diagram (Student)** |
| **Use Cases Diagram (Teacher)** |
| **System Administrator Use Case** |
| **Risk List** |

### 2.3.  Test Strategy

Here, test is mainly divided into 4 types. To have a final and concrete code so that they won't create any issue later while deploying the website following strategy is applied:

| Test level | Goal |
|---|---|
| Unit Testing | It will check the individual components of the codes |
| Integration Testing | Different modules of codes are checked to make sure when they are combined, it works fine |
| System Testing | To make sure the requirements are meet effectively |
| Acceptance Testing | To compare the specification |
| Debugging | Helps in clearing the error if there is any |

### 2.4. Test Objectives

All the tests are performed to achieve certain objectives. Some of the objectives are listed below:

a.  Requirements are found out and make sure it is met

b.  Risks are analysed and correct so that there will not be errors in future phase of development

c.  Codes are making sure error free

d.  Use cases are drawn and make sure plans runs on same basis