

## Functional Requirements:

### 1) User registration

- A new user student can signup on portal with an active email-id after verification is done via email.

### 2) User login

- A registered student user can login with correct credentials on portal.
- A registered student user can change password via email from previously provided email-id.
- A registered admin user can login with correct credentials on portal.
- A registered admin user can change password after performing security checkup on portal like questionnaires, verification via email, description of reason for change in password.

### 3) Institute information and FAQs

- Any user can view college information, details about an offered courses and read FAQs on portal.

### 4) Application form submission

- Registered students can fill out application form with data verification on runtime for institute exam.
- Application form includes students' personal and educational details.

### 5) Hall ticket generation

- After necessary requirements for a test has been fulfilled, Admin user will approve hall ticket generation.
- After admins approval, registered students can view and download their hall tickets.
- Hall ticket provides essential exam and student information.

### 6) Online Exam

- After login, registered students can start their exams during a specific time period which will be set by admin user.
- Exams will be administrated according to preferences and scheduling of admin users to help student users on time whenever crisis arisen.
- After submitting exam, user students can view their result on portal immediately.

### 7) Test slot management

- Admin user can add or remove test slots via admin-dashboard.
- Prevents scheduling conflicts.

## 8) Result viewing (Admin)

- Admin user can view, download results of all students through portal.
- Admin user can view exam/result related statistics for a particular test after the test has been completed on portal.

## 9) Adding test-paper

- Admin user can add questions, options for any test through portal before exam starts.
- Admin user can assign a new test with questions and options to a particular time slot via portal.

## 10) Editing answer key

- After completion of exam, admin user can update answer key via portal for any number of tests.
- After updating answer key, admin user can use functionalities like viewing statistical data for a test under logistic dashboard.

## 11) Redeclaration of result

- Admin user can redeclare the result and can add announcement about it on portal.
- Registered students can view their updated results via notification.

## 12) Notifications:

- Student users will receive emails for notifications like test announcement, hall ticket, redeclared results and other functionalities like verification, reset password.