**Vision and Scope**

**1.1 Introduction**

The scope and vision document will cover the problem and vision statement including project background , list of users, stakeholders, candidate risks, assumptions, constraints and project scope.

* 1. **Business Requirements**

The detail of business requirement are as follow:

* + 1. **Background:**

There is a widespread agreement that the policy in taking quiz is very complicated, costly, take-time, and inconvenient to both students and university. This is due the fact that at the end of each semester, the university has to pause or delay some activities to spend time for conduction quiz of students. Some staffs have to prepare for offering quizzes, print it out, and deliver to each student. They also have to check manually tests, assignments and papers. If there is anything mistake by the teacher in checking quizzes and making result lists it will take long time to recover it. The employee follow the manual procedure which is very lengthy and headache. Both students and university have to spend time for retrieving necessary information and approve it. However, it is impossible to do that in some cases. In addition managing students’ academic history are also thorny issues. Students’ gradebook management is also another issue. When students want to have gradebook to see their academic history, they have to wait at least two weeks to receive it from academic affair.

**1.2.2 Business Opportunity:**

Those are some typical examples for the inconvenience and complication of the current quiz taking policy. They lead the university to the decision of building Online quiz System to improve effectiveness, reduce time and cost in quiz and assignments process.

**1.2.3 Business Objectives and Success Criteria:**

The main business objectives are this product will provide an Intelligent Online Quiz System. This product will be reliable, secure and scalable for future growth and business needs. Success of this product will be measured by the:

* Teacher set the quizzes online
* Student will take the quiz online
* Ease of updating database
* Ease to use for both employees and students

After minimal training, employees and students should be able to use the system efficiently and effectively. The system will become a longtime investment for university reducing the wasted time it took with the paper work system.

**1.2.4 Customer or Market Needs:**

This product will eliminate time and cost waste factor for both university and the students. University wants an online system in which quizzes, assignments, gradebook, and results automatically generated by the software. By effectively online quiz system and assigning available equipment, projects can be brought to their completion more efficiently, leading to higher university management satisfaction. The product should be able to run on low end workstations for the end users and will require a server to house the database software.

1. Product must be secure due to students and employee sensitive information

2. Product should be intuitive with minimal training required for use

3. Product should be accessible from any location

**1.2.5 Business Risks:**

With the introduction of the new system, more security measures have to be placed on the network, because without adding more security features in the network the risks increase. Not only will a database be introduced, but now the database has employee information and users have to sign in to reserve equipment to insure that only authorized users have access to the database.

|  |  |  |  |
| --- | --- | --- | --- |
| **Business Risks:** | | | |
| **Risk** | **Probability** | **Effects** | **Risk planning strategy** |
| Can't found the suitable place for meeting the team. | moderate | tolerable | Monitoring the work by E-mail every day. To avoid this risk. |
| Damage the electricity generator. | high | serious | There is a spare generator to avoid this risk. |
| Marketing the product system. | low | catastrophic | Distribution of advertisements, which minimize this risk. |

**1.3 Vision of the Solution**

The vision and the features are given below:

**1.3.1 Vision Statement:**

The new system will allow both teachers and students to access the system at any time of taking quiz. After taking quiz both teacher and student review academic history. Academic affair can use the system as a mean to manage information of teachers, students and offering courses. The system provides a better solution and policy for online quiz in University. It reduces much time, cost and resources required in processing course information of students.

**1.3.2 Major Features:**

Major features will include:

**The features available to the Students are:**

* Can view the enrolled Courses of Test available in their account.
* Can view the Course Assignments.
* Can view the Course detail like Course contents. Course learning outcomes, etc.
* Can change password.
* Can view their marks.
* Can view the various reading material.
* Can view and modify its profile but can modify it to some limited range.
* Can view the lecture schedule.
* Can view the notices.

**The features available to the Admin are:**

* The administrator has the full-fledged rights over the Application.
* Can create/delete an account.
* Can view the accounts.
* Can change the password.
* Insert/delete/edit and view the Student Information.
* Insert/delete/edit and view the Employee Information.
* Insert/delete/edit and view the Student Enrollment.
* Insert/delete/edit and view the Teacher Assign Lectures.
* Insert/delete/edit and view the Notice and Notifications Information.
* Insert/delete/edit the information of available on Application.
* Can give rights to users.

**The features available to the Teacher are:**

* Can view the enrolled courses of Test conducted by users.
* Can upload & view the Course Assignments.
* Can view the Course detail like Course contents. Course learning outcomes, etc.
* Can change password.
* Can view and modify Results.
* Can view and modify its profile but can modify it to some limited range.
* Can view the lecture schedule.
* Can view the notices and notifications.

**1.3.3 Assumptions and Dependencies:**

In general it has been assumed that the user has complete knowledge of the system that means user is not a naïve user. Any data entered by him/her will be valid. To make the software as user friendly as possible but at the same time keeping in minds user requirements.

* Server OS should be Windows XP/7/8 (x86, x64).
* Client PC should be Windows XP/7/8 (x86, x64).

It depends that the one should follow the international standards for the generating the User ID & should fill the related information in the proper format.

**1.4 Scope**

The Intelligent Online Quiz System is a web application, database to handle quizzes, employee and student data in a secure network. The detail scope of the project as given below.

**1.4.1 Project Scope:**

The website to conduct intelligent Online Quiz System. This website provides facility to institutes to conduct IOQS. The institute provides questions along marks. All the information entered can be later edited by the institute. In turn student can login with their username and password id to give the quiz and can view their result then and there. Institutes can also view the result of their students.

* IOQS is designed for Educational Institutes (like schools, universities, training centers).
* The system handles all the operations, and generates reports as soon as the test is finish, that includes name, mark, time spent to solve the exam.
* Allow students to see or display his answers after the quiz is finish.

The type of questions is multiple choice or true and false or Subjective type.

**1.4.2 Product Scope:**

The developed project is supposed to have the following features:

* There are different kinds of Users (Administrator, Teacher, and Student) can log on to website and access it.
* There is a secure authentication system for different types of user access the website.
* Each every user has own privilege to access the site.
* Course materials are also available for different type of courses for which the student enroll.
* It is used to create or modify the quiz and assignment, which is done by the teacher.
* Teacher can set four types of quiz like Objective with topic base, Objective with subject base, Subjective with topic base and Subjective with subject base.
* Teacher can enter, view and edit the questions in question bank.
* Teacher can also view student result and update result, view profile and time table.
* Student can take assignments and quizzes.
* Student can view their result, profile and time table.
* Student can upload solution file of assignments.
* Admin can enter student and teacher data.
* Admin can enrolled student and assign lecture to teacher also edited.
* Admin can also view question in question bank.
* Admin can enter and view notices, sessions.

**1.5 Business Context**

The major customers for this project are all employees and students. And the project should satisfy the organizations priorities and stakeholder profiles.

**1.5.1 Stakeholder Profiles:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Stakeholder** | **Major Values** | **Attitude** | **Major Interest** |
| Admin | Addition and updating the information use in application | See information and managing the data | Ease to use and reliable |
| Teacher | Prepare quiz and assignments | Managing the quiz and assignments | Reliable and better quiz taking |
| Student | Appear quiz and assignments | Appear quiz and assignments | Ease to attempt quiz |

**1.5.2 Operating Environment:**

This system will be used by any type of educational Institute. Students are located anywhere on geographical location, and the application will also available from any location. All type of quizzes are generated by the valid teacher and managed by valid admin and will be available 24 hours a day, 7 days a week via the internet. Access to data will be limited to employees only and should be password protected.