Business Requirements Document (BRD)

WIZIQ

Project/Initiative

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Version 0.4

Company Information: Imarticus is a training institute where it offers a different courses which requires in industry and help students to grow their career in the latest technology. It provides many courses related Information technology, finance, management and many more tools.

# Document Revisions

|  |  |  |
| --- | --- | --- |
| Date | Version Number | Document Changes |
| 10/04/2020 | 0.1 | Initial Draft |
| 15/04/2020 | 0.2 | In scope |
| 07/05/2020 | 0.3 | Functional requirements |
| 10/05/2020 | 0.4 | Nonfunctional requirements |
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# Approvals

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| --- | --- | --- | --- |
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| Development Lead | Tomislav jackson |  | 03/05/2020 |
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# Introduction

## Project Summary

### Objectives

* Create an online portal for student which contain the information about the student and applied courses.
* View study materials and virtual classes of applied courses.
* Support mailing functionality for any kind of quires where institute can send an email to the student and student can revert on the same and vice versa.
* Support text search on the topics
* Test papers are available to solve and view the scores card of relevant courses.
* Chat facility is available to resolve the queries related to the course with the support of course instructors.
* Announcement board section for future events and changes in existing events.

### Background

It is very difficult for student to follow up with governance team regarding the course details, daily class activities, lectures, and study material.

At the same time as Institute is growing it is very difficult to attend and assist each query of students timely and inform them about the future activities or any changes that is happening in the existing schedule which requires lot of human resource also governance team needs to make sure that the study materials have been provided to each student without any delay.

Using this product students will get all the require information on the portal without going to the institute and checking the availability of the governance team also they can ask any query to the instructor via email and chat.

From Institute stand point they will have an organized structure to answer the students queries, providing them with the study materials and information regarding the future events without any hassle.

Business Drivers

* Institute is looking for faster and better way to manage the students queries in organized structure and revert them quickly so that they can create the FAQ’s
* Students wants study materials handy so that they can access the material at any time in any where
* Institute want a platform to announce the upcoming events where all students can get informed on time.
* Institute is looking for the best way to share the confidential study material with student and avoid piracy

## Project Scope

### In Scope Functionality

* Governance team login with administrative rights
  + Create student login
  + Add/modify students details
  + Set rights to the student account
  + Upload Course details
  + Upload course syllabus
  + Upload new test papers
* Governance team login with non-administrative (course instructor team) rights
  + View students details
  + Students course
  + Check live streaming video
  + Check old videos uploaded
  + Check test papers uploaded
  + Upload upcoming events.
  + Weekly/monthly reports of number of students applied for courses
* Generic email id where instructor team get notification.
* Verification email on the register email id of the students
* Student login screen
  + Student details
  + Applied course details
  + Online test center
  + Virtual class view screen
  + FAQ’s tab
  + Email functionality tab
  + Search study material by name of course
  + Announcement board to see future events
  + Restrict the study material for download
  + Functionality to chat with course Instructor team from 10:00 am to 6:00 pm

### Out of Scope Functionality

* chat with the students whose applied for the same course or batch.
* Creating groups of students
* Save contacts of students
* Comments on the video lectures
* Store important videos / study material in another tab
* Notifications of upcoming events via personal email and messages

## System Perspective

### Assumptions

* May need to increase the space on AWS because of uploading the daily lecture videos.

### Constraints

* Cannot upload and play high resolution (1080p) because of the old version of flash player.
* Timeline of completing project will impact execution of testing plan.

### Risks

* As the database of this system is very huge, the team need to work some extra hours to meet the deadline
* Compliance of oracle and packages.

### Issues

* Older version flash player may take long time to load the video
* May need to face some audit issues.

# Business Process Overview

## Current Business Process (As-Is)

1. Students walk into the Institute premises and meet to the receptionist for availability of course instructor.
2. If the instructor is available then they ask for the study material and course related queries.
3. For upcoming events students need to check the notice board available into the institute premises.
4. If notice board is not updated or if there is any query then again goes to the instructor.

## Proposed Business Process for student’s screen (To-Be)

1. Student login with correct username and password
2. Once login, student checks and view the personal information, course related Information, live streaming videos, previous lectures videos.
3. For future events or changes in existing events students checks the announcement board.
4. To check the progress the test Facility is available where students solve, submit the test and view score board.
5. Chat window is provided for registered students to chat with course instructor to resolve the query instantly
6. Registered students sends an email to generic email id for further information.

## Proposed Business Process for governance team screen (To-Be)

1. Two logins are available to manage and priorities the work within the team.
2. One is for ‘administration’ with ‘admin access’ and another is for ‘course instructor’ for ‘checking’ the students details and ‘resolving’ the queries.
3. Team with admin rights, creates, delete the user id’s
4. Admin access team, changes the student information, update course, upload test papers, give access to the live streaming videos and other access rights to the student’s accounts.
5. Governance team use email functionality for official communication with other team members.
6. Course instructor view the student’s info, course syllabus, test papers, videos.
7. Course instructor broadcast the upcoming events and changes into the existing events.
8. Course instructor resolve the students queries via chat application also notify them regarding other activities via email functionality
9. If information is not updated for students, course, or any mandatory fields then customer support team Sends an email to admin team to update the same.

# Business Requirements

The requirements in this document are prioritized as follows:

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| **Value** | **Rating** | **Description** |
| 1 | Critical | This requirement is critical to the success of the project. The project will not be possible without this requirement. |
| 2 | High | This requirement is high priority, but the project can be implemented at a bare minimum without this requirement. |
| 3 | Medium | This requirement is somewhat important, as it provides some value but the project can proceed without it. |
| 4 | Low | This is a low priority requirement, or a “nice to have” feature, if time and cost allow it. |
| 5 | Future | This requirement is out of scope for this project, and has been included here for a possible future release. |

## Functional Requirements

| **Req#** | **Priority** | **Description** | **Rationale** | **Use Case Reference** | **Impacted Stakeholders** |
| --- | --- | --- | --- | --- | --- |
| **General / Base Functionality** | | | | | |
| FR-G-001 | 1 | Online portal shall have administrative and course instructor rights. | Allow governance team to priorities the work amongst the team |  | Design, Development, testing, governance teams |
| FR-G-002 | 1 | Shall have chat and email functionality as a communication channel | Simplify to attain the students query and revert them one by one without increasing the human resource. |  | Development, testing, governance teams, students |
| FR-G-003 | 3 | Live streaming videos shall be available to attained the lecture from the portal | Students can have attained the lecture from anywhere |  | student’s, governance teams |
| FR-G-004 | 2 | Course material available as per the relevant course. | Students can see only applied course study materials |  | governance teams, students |
| FR-G-005 | 4 | Test paper are available to complete the assignments and check the progress | Students can check their progress by solving the tests. |  | governance teams, students |
| FR-G-006 | 5 | Notifications of upcoming events. | Student will get notify by an email or messages about the future events. |  | Development, testing, governance teams, students |
| FR-G-006 | 6 | Portal viability is limited for 4 months till the course started | Student will have the access of the portal for 4 months only from the start date of course. |  | Development, testing, Students |
| **Security Requirements** | | | | | |
| FR-S-001 | 1 | Admin rights will be restricted and limited to the users, elected by the governance team | Only admin can do the any changes, modification on the portal |  | Development, testing, governance teams, IT department |
| FR-S-002 | 2 | Password length should be alphanumeric with minimum 8 character. | Password policy gets check while the auditing hence password should be as per the ISO standard |  | Development, testing, governance teams Students. |
| **Reporting Requirements** | | | | | |
| FR-R-001 | 2 | The system shall generate a weekly Report of students who applied for courses. | It helps management to understand the progress and make a future plan |  | Development, testing, governance teams |
| **Usability Requirements** | | | | | |
| FR-U-001 | 1 | Efficiency of use:  goals are easy to accomplish quickly and with few or no user errors | Portal should be responsive and do not gives or less error while doing any activity. |  | Development, testing, governance teams, students |
| FR-U-002 | 2 | the interface is easy to learn and navigate; buttons, headings, and help/error messages are simple to understand | Portal will have the feature of heading, help and print message if user enters any wrong. |  | Development, testing, governance teams, students |
| **Audit Requirements** | | | | | |
| FR-A-001 | 1 | Any change to a student information, courses shall be appended with date and time stamp. | Will have all the information of backend activity with the date and time stamp |  | Development, testing, auditor team |

## Non-Functional Requirements

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| **ID** | **Requirement** |
| NFR-001 | portal should not take more than 15 seconds to load and view the different tabs |
| NFR-002 | Portal downtime may not take more than 2 hours. |
| NFR-003 | Backup of the backend data should be schedule on monthly basis |

# Appendices

## 6.1 Glossary term

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| Short form | Full form |
| CI | Course instructor |
| AWS | Amazon web service |
| FAQ | Frequently asked questions |
| ISO | International organization for standardization |

## Related Documents

Reference link : <https://www.wiziq.com/>

Documents:

* User entry data
* Types of Courses & related study materials
* Batches on weekly basis