System Requirement Specification (SRS)

Document Control

**Revision History**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Ver. No.** | **Release Date** | **Created By** | **Reviewed By** | **Approved By** | **Nature of Modification** |
| 1.0 | 15 Jun 21 | Mugdha | Sumit |  | Updated based on the CMMI Model 2.0 |
|  |  |  |  |  |  |

Contents

Contents 2

1. Introduction 3

1.1. Purpose 3

1.2. Scope 3

1.3. Definitions, acronyms and abbreviations 3

1.4. References 3

1.5. Document Structure 3

1.6. Assumption and Dependencies 3

1.7. Exclusions 3

2. Customer Requirements 4

2.1. Current Business Process 4

2.1.1. Current Business Sub-Process Flow Diagram 4

2.2. Proposed Business Process 4

2.2.1. Propose Business Sub-Process Flow Diagram 4

3. Functional Requirements 6

3.1. Requirements …1 6

3.2. Requirements...N 6

4. External Interface Requirements 7

4.1. User Interfaces 7

4.2. Hardware Interfaces 7

4.3. Software Interfaces 7

4.4. Communications Interfaces 7

5. Non-Functional Requirements 8

5.1. Hardware Requirements 8

5.2. Compatibility Requirements 8

6. Acceptance Criteria 9

7. Annexure(s) 10

# Introduction

## Purpose

This document aims to give brief description about the TET Project. With the help of this document the needs of the company and the solution that will be provided that need will be presented. The purpose of the project is to build an application program to reduce the manual work for managing, students data, and its reports EO information . It tracks all the details about candidate . This document will provide a basis for validation and verification

To conduct the exam for TET 2021 Online form registration is required.

Login generated for candidates to get data that will help to get reports. Role based logins for report generation to get the data in the system.

## Scope.

* Mahatet is Teacher Eligibility Test exam which offers Home page
* Student Registration form,
* Payment gateway for exam fee.
* Hall tickets for candidate.
* Role based login for Admin and EO
* Reports - Centre Information  
  Centrewise allocated candidate

Expense reports .

* QMS Module for Student and Admin.

**Dashboard**

* EO
* Admin

## Definitions, acronyms, and abbreviations

|  |  |
| --- | --- |
| Abbreviation | Description |
| MahaTET | Maharashtra Techer Eligibility Test |
| PM | Project Manager |
| Admin | Administrator |
| EO | Education Officer |

## References

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sr. No. | Document Title | Document No. | Version | Author | Released Date |
| 1. | MAHATET-scanned print-Copy cmmi | 1 | 1 | Client | 5/7/2021 |
|  |  |  |  |  |  |

## Document Structure

This document aims to give brief description about TET exam project. It basically includes candidate registration, generation of username and password, generation of admit card. Third party integration of payment gateway.

## Assumption and Dependencies

* The project is about the student registration where it may require to get the data in the system for appearing the TET Exam.
* Internet connection must be active to receive the date for form filling.
* Data dependent on the student information as the project goes live.
* Cannot generate Mark lists until and unless Result Verified by the MSCE, Pune
* Approval from the client for proceeding with certain requirements.

## Exclusions

# Customer Requirements



## Current Business Process

* Mahatet is Techer Eligibility Test exam which offers Home page
* Student Registration form,
* Payment gateway for exam fee.
* Hall tickets for students.
* Role based login for Admin and EO
* Reports - Centre Information  
  Centrewise allocated candidate

Expense reports .

* QMS Module for Student and Admin

## Current Business Sub-Process Flow Diagram

Admin

EO

Candidate Registration

Dashboard view

Dashboard view

Payment

Transaction History

Reports

Reports

Bar chart

PDF

## Proposed Business Process

As candidate login for form filling payment is done and transaction history shows the receipt generated PDF for payment done.

## Propose Business Sub-Process Flow Diagram

Login

Payment

Transaction History

PDF

2.2.2 – Subprocess for EO and Admin -

Admin – EO

Dashboard

Bar Chart

Reports

# Functional Requirements



## Requirements …1

|  |  |
| --- | --- |
| Requirement ID | Candidate Registration |
| Requirement description | Registration for login |
| Prerequisites |  |
| Feasibility of requirements | Candidate should be able to register |
| Requirements validation | As per work order |
| Business Exceptions | Proper data to be filled by user. |
| Others |  |

## Requirements...2

|  |  |
| --- | --- |
| Requirement ID | Candidate login |
| Requirement description | Login to fill form for TET exam |
| Prerequisites | User ID and Password |
| Feasibility of requirements | Candidate should be able to login |
| Requirements validation | As per work order |
| Business Exceptions | Proper data to be filled by user. |
| Others |  |

## Requirements...3

|  |  |
| --- | --- |
| Requirement ID | Application form |
| Requirement description | Data for exam paper. |
| Prerequisites | User ID and Password |
| Feasibility of requirements | Candidate should be able to login |
| Requirements validation | As per work order |
| Business Exceptions | Proper data to be filled by user. |
| Others |  |

## 3.4 Requirements...4

|  |  |
| --- | --- |
| Requirement ID | Payment Gateway |
| Requirement description | Exam paper selection as per candidate. |
| Prerequisites | User ID and Password |
| Feasibility of requirements | Insights of paper selection. |
| Requirements validation | As per work order |
| Business Exceptions | User must select the paper number |
| Others |  |

## 3.5 Requirements....5

|  |  |
| --- | --- |
| Requirement ID | Payment Gateway – Transaction history |
| Requirement description | As payment done- transaction history will be shown. |
| Prerequisites | User ID and Password – continue the session |
| Feasibility of requirements | Options |
| Requirements validation | As per work order |
| Business Exceptions | Continue the session with payment option selected. |
| Others | PDF generated of all transactions. |

## 3.6 Requirements....6

|  |  |
| --- | --- |
| Requirement ID | Admin / EO login |
| Requirement description |  |
| Prerequisites | User ID and Password – continue the session |
| Feasibility of requirements | Options |
| Requirements validation | As per work order |
| Business Exceptions | Proper data to be filled by user. |
| Others |  |

## 3.7 Requirements....7

|  |  |
| --- | --- |
| Requirement ID | Admin /EO Dashboard |
| Requirement description | Login generated |
| Prerequisites | User ID and Password – continue the session |
| Feasibility of requirements | Options |
| Requirements validation | As per work order |
| Business Exceptions | User can view the data. |
| Others |  |

## 3.8 Requirements....8

|  |  |
| --- | --- |
| Requirement ID | Admin /EO Reports |
| Requirement description | Login generated |
| Prerequisites | User ID and Password – continue the session |
| Feasibility of requirements | Options |
| Requirements validation | As per work order |
| Business Exceptions | User can view the reports in excel /pdf |
| Others |  |

# External Interface Requirements



## 4.1User Interfaces

All candidate will see the same page when they start for Registration. This page asks the user for information for login credentials.



Figure . 1 This screen represents to for registering the candidate.

PC , Laptop , Microsoft edge , Google chrome.

## Hardware Interfaces

Communication protocol: HTTP Protocol

## Software Interfaces

1.Visual studio 2019.  
2. Tool - SQL server management studio 18.4. to read database.

3. Database – Azure – shared services , repositories.  
4. Microsoft.Net framework 4.8

5. Version control – Git   
6. Operating System: Windows 8 and above

## Communications Interfaces

Nature of Communication: Online.

Communication Interfaces: Visual Studio 2019 – Sql server management studio 18.4 (SSMs)

# Non-Functional Requirements

# 

## 5.1Hardware Requirements

## Application Server

|  |  |
| --- | --- |
| **System Requirements** |  |
| Operating Systems | * Linux |
| Memory Size | * 2 GB RAM |
| Hard Disk Space | * 50 GB or below Free space |
| IIS | * Internet Information Services (IIS) 6.0 or Above |
| Browser | * Microsoft Internet Explorer 8.0 |
| .NET Framework | * .NET Framework 4 or below |
| Softwares | * CUTEFTP 8.3 or above * Microsoft Report Viewer 2008 * IBM MQ Client 7.0 * Microsoft VC++ 2008 Runtime |
| Connectivity | * Connectivity with MQ Server |
| Other | * Service account to run the application |

## Database Server

|  |  |
| --- | --- |
| **System Requirements** |  |
| Operating Systems | * Windows Server 2008 Standard 32-Bit/64-bit (included with operating system) * Windows Server 2008 Enterprise 32-Bit/64-bit (included with operating system) * Windows Server 2008 Datacenter 32-Bit/64-bit (included with operating system) * Windows Server 2008 Rs 32bit/64 bit |
| Database | * SQL Server 2008 Service Pack 1 or Above |
| Memory Size | * 16 GB RAM or Above |
| Hard Disk Space | * 100 GB Free space |

## Compatibility Requirements

Any Operating system.

# Acceptance Criteria

## The below guidelines as per client has been followed

1.Basic necessity is candidate is able to register and login.  
2.Candiate is able to fill the application form.

3. Conditions applied as per client guidelines education qualifications he/she has to pass 10thstandard for appearing any paper 1.  
2nd condition after graduation is completed he /she can appear for paper 2 means for both paper are open for appearing exam.

# Annexure(s)