Implementation Plan

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Date issued: pretty late

Project name: SRV – Student Result View

**Implementation and Migration**

**Purpose**

The purpose of this implementation and migration plan is to address the transition process of the SRV software to its operational environment at TAFESA. At current stage the ITStudies section will be the only one affected, but the possibility of future extensions has been considered.

**Description of Implementation**

The SRV Project (Student Result View) will be implemented in the ITStudies sector of TAFESA as part of the larger TAFEBuddy project, to substitute the current system and to give students more control over their study path.

This description will detail how the implementation will occur as a reference for all the stakeholders.

Once all the features and functionalities are completed as requested by the client and approved by the management, the dummy data hard coded in the project code will be replaced with dummy data that will be inserted in the provided database.

Upon verification of the correct behaviour of the SRV product in relation to the database, the product will be considered full operational and ready to be made available to TAFESA staff and students.

The insertion of real student data in the system will mark the end of the implementation phase.

A time-frame of two weeks is expected to allow the staff to be trained on the new product and to allow TAFESA to re-organize in accordance to the new software capabilities.

**Points of Contacts**

|  |  |  |
| --- | --- | --- |
| Name | Role | Contact Information |
| Dale Van Heer |  |  |
| Kym Bond |  |  |
| KT Lau |  |  |
| Santi Ruiz |  |  |

**Major Tasks**

1. Complete SRV design: Team\_NAG

This task includes all the tasks required to produce a detailed design of the product (requirements gathering, prototyping, etc.)

1. Complete Testing: Team\_Nag

This task is comprehensive of the tests conducted at every stage of development, from the requirements gathering to the production-ready version of the software.

1. Complete operator Training: Team\_NAG

The product is designed to be user friendly and although a period of two weeks is kept in consideration to train the staff, a simple walkthrough presented by the members of Team\_NAG should be sufficient to have the staff capable to operate the software efficiently.

1. Go Live: Team\_NAG, TAFESA IT Group

The SRV will be launched and will be made available to staff and students.

1. Operational acceptance: TAFESA

The SRV will be monitored for a period of time to ensure that the behaviour and performances in the work environment are as expected. This task will conclude with formal acceptance from TAFESA.

**Implementation Schedule**

|  |  |
| --- | --- |
| Task/Milestone | Expected Completion Date |
| Complete SRV Design |  |
| Complete Testing |  |
| Complete Training |  |
| Launch |  |
| Acceptance |  |

**Security**

Every user will accede the SRV using a login name and a password encrypted by a Hash Salt algorithm to ensure the safety of every user data.

Student will receive their credential upon their data will be entered in the system by the admin staff.

To allow staff members to be added to the database, a first admin will be manually inserted in the database by the developers with full privileges.

**Implementation Support**

The SRV will impact nearly everyone involved with the TAFESA ITStudies sector. To ensure the successful implementation of such a project, it is fundamental that the development team, the management and the client are going to collaborate and to grant their support to the project.

The project manager will support the development team, offering guidance to complete all the tasks.

The client will provide the requirements and continuous feedback in every stage of the development to ensure the product will comply with the requirements.

Full project manger and client support is also expected for the training of the staff.

**Listing of Hardware, Software and Facilities**

SRV requires a server to host a Nodejs application with a mySQL database.

No hardware upgrades are required.

The project will be completed within the existing facilities.

The product is basically a website wrapped in a desktop application, so no major hardware, or software requirements are needed.

**Performance Monitoring**

The SRV aims to give students more control over their study path and staff members new tools to keep track and verify student’s outcome, providing functionalities for data entry, data retrieve and the production of documentation (such as parchments). This means that compared to the current system, there will be several differences.

Team\_NAG, in collaboration with the TAFESA IT Group will monitor the performance of the SRV in its everyday operations.

Addendum: When student graduate they will have the possibility to apply for a parchment directly from the SRV. This occurrence is cyclic in nature and will happen every few months. The monitoring team will have to track the SRV behaviour in those occurrences.

**Implementation Requirements**

Hardware/Software:

SRV requires a server to host a Nodejs application with a mySQL database.

Personnel:

Team\_NAG

TAFESA IT Group

**Back Out Plan**

The SRV will initially work just for the IT Sector of TAFESA. The current system will still be on and will still take care of the functions not included in the SRV scope.

In case something goes wrong with the SRV, the previous system will be still in place and operative and will grant the operations to keep operations running.

**Post Implementation Verification**

Team\_NAG will verify that SRV will be able to perform all the operations required.

The SRV works for three different kind of users.

Admin: Can access the database to correctly add and remove students, lecturers and other admins. They will also be able to access students results view and can confirm or rebate parchment applications.

Lecturer: Can see student results and can request the system to generate a parchment checklist for a specific student. It can also see a list of students eligible fir parchment application.

Student: Has access to a personal results view. Can also apply for a parchment once all the qualification requirements are met.