SYSTEM REQUIREMENT SPECIFICATION

ELERINMOSA INSTITUTE OF TECHNOLOGY

SMART LECTURE ATTENDANCE SYSTEM

Version:[1.0] Revision Date:[15/12/2020]

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SECTION 1. INTRODUCTION

* 1. PURPOSE

This project is to monitor the frequency of attendance of courses taken in the institution, it’s to keep student in track of courses well attended and courses that schedules were only completed few numbers of time not taken at all

1.2

The Business Context

This is a project meant for the Elerinmosa institute of technology. This project can be called proprietary for the time being . and it is sponsored by elerinmosa institute of technology

* 1. Scope

The scope of this project is providing class representators with ability to record courses that have been attended and courses that have been skipped and providing other students with the information through a dashboard

* 1. User characteristics

The users of the project are:

Course representatives

Students

School Authority

the course representatives are going to be using a function on this project to feed in information about the course to the server or database of this project

the student will be using the main menu or dashboard interface of this project to get information about the courses

The school authority will use a function this project to manipulate the information being feed into the server by the course representatives and make corrections

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Section 2. General System Description

2.1 system context

The system is going to be a read only interface for the student this means the student would have access to an interface that shows dashboard of the course information to the student and the courses attendance

The course representatives are going to have access to the read and write interface this is where information would be manipulated this interface is going to have the following specifications

And input menu where number of courses offered it the school in would be passed onto the server with following

Course name

Course unit

Number of students taking course

Another interface consisting a table would be created with this information having the status of courses per-day where courses that are meant to be take for a particular day would be generated to the table and the table is going to have the option of the following fields which is

Attended courses

Unattended courses

This information of each day would be use to generate a dashboard and a piechat on the dash board showing frequency

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2.2 system modes and state

The following modes of operations available for this system the following

Generate the number of courses for a specific date to the table

Move courses from unattended to attended

2.3 Major system capabilities

The major system capability is the total of 4 groups which is the following

The dashboard

The input menu

The status menu

The access division menu

2.4 Major System Conditions

distribution of authority:

this case the school authority can divide access and determine who can move a certain course from unattended to attended

2.5 Major System Constraints

The limitations of this project are the following once a course as been moved or profiled attended by a particular course representative another course representative can’t move such course back to unattended only the school authority reserve this right

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2.6 Assumption and Dependencies

Changing this system from a web application to any other type of application can affect the srs

2.7 operational scenarios

Use can access this system over the web and navigate through to get information about a specific software

Section 3. System Capabilities, Conditions, and Constraints

3.1 Business Requirements

This is a suitable dashboard view for the end user and a low cost server the system would be running on

3.2 Functional requirement

Data can be inserted into this system after signing on the web application this function is for the course representatives and the school authority

3.3 Data function

This function is used to input courses offered to the database of the web application by each course reps

3.3.1 Data function input

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This function takes strings integers as input which is the name of the courses and the courses unit

3.3.2 Data function operation

This function accepts data put the on the list of courses

3.3.3 data function output

this creates a table of courses

User Requirements

This project has three main class of users the users are classified into three categories

The student

The course reps

Authority

The user requirement for the course reps and authority is a valid username and password to acess the web application for them to be able to make changes or input data to the system

3.6 Information Management Requirements

The information allowed on this system is only for courses offered in the institution by fulltime students and the information on this system must be within the scope of the school courses

3.7 Systems Requirements

The project can run on any operating system that has active internet connect and a web browser

Because it’s a web based application

3.7.1 Performance Requirements

This application can be accessed anytime and any minute

3.8 Policy and Regulation Requirements

The policy and regulations for this project is determined by the school authority

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Section 4. System Interfaces

This system is a web application the system interface for this project works on a web browser therefor this project would work on any operating system that has an active web browser ..

Section 6. Revision History Identify changes to the SyRS. V

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