OVERVIEW

1.PROJECT BACKGROUND AND DESCRIPTION

The current methods used to manage class attendance, which are mainly sign sheets has been greatly abused by students making it hard to know who religiously attends the classes. That’s why we decided to come up with a system that will solve this problem.

Class attendance system is a software developed to maintain the class attendance of the students on a daily basis. The staff who will be responsible for recording the attendances, will be allocated unique usernames and passwords. The Class attendance System will allow lecturers keep track of their students’ class attendance behaviors. The system will also allow students to enroll for a particular class but first, they will be required to sign a nominal roll.

2.THE PROJECT SCOPE

The system will be accessed over the internet through the Technical University of Kenya website.

Our system will have two sub-modules, namely:

**i)Staff module**

The module will only be by accessed by the teaching staff members of the Technical University of Kenya; they will be allocated unique login details which the system will only identify as a staff user.

The Staff members will be able to:

* View the total number of students available for the unit.
* Create class attendance lists.
* View all his/her class attendance lists.
* Validate class attendance lists. (By comparing those who have signed the attendance list with those visible in class.)
* Manage class attendance lists. (Edit, update or delete attendance lists.)
* Carry out analytics. (Carry out analysis and statistics of the class attendance list i.e., find class attendance percentages etc.

**ii)Student module**

Users of this module will access our system by using their registration number as the username and a unique password of their own.

Students will be able to:

* Manage his/ her profile. (Update and view profile)
* Search for a specific class attendance list.
* Sign a class attendance list.
* View their own signed Class attendance lists.
* Carry out his/ her own analysis and statistics.

3.REQUIREMENTS

Our system being a web-based application, will need users to have access to the internet.

Any device connected to the internet will be able to access our system.

4.DELIVERABLES

* UI prototype for the users
* Responsive web-based application.
* Back-End connectivity.
* Front-End language.
* Source code in GitHub repository
* User manual documentation
* Technical Documentation

5.AFFECTED PARTIES

-Teaching Staff

-Students

6.PROJECT CONTRIBUTORS:

|  |  |  |  |
| --- | --- | --- | --- |
| NAME | DATE | REG NUMBER | SIGNATURE |
| JAMES RIRI |  | SCII/00814/2019 |  |
| BRUNO TOWETT |  | SCII/00716/2017 |  |
| KENNEDY NYAKUNDI |  | SCII/02719/2019 |  |
| ALVIN MUHINDI |  | SCII/00837/2019 |  |
| ANTONY OLUOCH |  | SCII/00843/2019 |  |

7.APPROVAL AND PERMISSION TO PROCEED:

|  |  |  |
| --- | --- | --- |
| NAME | SIGN | DATE |
| FELIX OKOTH |  |  |