CODE BOOKLET

ABC ATTENDANCE SYSTEM USING SENSORS

ACADEMIC SESSION: 2021/2022

STUDENT: ALI BIN AHMAD (ACS0712345)

PROGRAM: Bachelor of Computer Science (Computer Networks & Security)

SUPERVISOR: PROF. DR. BADRUL SAHRIN

CO-SUPERVISOR: *\*if any. Leave blank is none*

SUMMARY:

This document holds all the coding for the final year project ABC ATTENDANCE SYSTEM USING SENSORS, which include all functions, servers, databases and UI. The system solves the daily staff movement issues in ABC Mechanics with the adoption of sensors, namely XYZ123 sensors.

\*\*summary of project and the problem/issue it tackles and solved

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**Project Hardware and Software List**

|  |  |  |
| --- | --- | --- |
| **HARDWARE** | **VERSION** | **EXPLANATION OF USAGE** |
| SENSOR *(\*the HARDWARE name in your system/experiment)* | Heat Controller ACT123-VD | Used in End-User to detect temperature and send info for control mechanism to operate. *\*Describe its usage* |
| ***PC/TABLET/SMARTPHONE*** | SAMSUNG XX | Running end user side modules and applications. |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| **SOFTWARE** | **VERSION** | **EXPLANATION OF USAGE** |
| MATLAB *(\*the SOFTWARE name in your system/experiment)* | 2.1.2 | Used to develop and run experiments. *\*Describe its usage* |
| ***PC/TABLET/SMARTPHONE*** | JELLY DOUGHNUT 4 (OS) | Running end user side modules and applications. |
|  |  |  |

**Note: This is an example – you need to adapt it to your project.**

**Module List and Explanation**

|  |  |  |
| --- | --- | --- |
| **MODULE** | **FUNCTION** | **USERS** |
| ***LOGIN*** *(\*the module name in your system/experiment)* | To log in *(\*clearly explain function here)* | *\*List the users/actors that uses this function*  *\*For Research students, list the experiment side – for example* ***Data Sanitization*** |
| ***PAYMENT*** |  |  |
| ***WEB\_CRAWLER*** | To crawl websites and gather information such as keywords |  |
|  |  |  |

**Note: This is an example – you need to adapt it to your project.**

**Code for Login Module**

Insert coding here – make sure it has comments.

\*\*Note: Continue with all module’s codes

**Code for Payment Module**

Insert coding here – make sure it has comments.

\*\*Note: Continue with all module’s codes

**User Manual**

\*\*Note: Complete User Manual – for System Development students only.

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**SCHOOL OF COMPUTING**

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