Project Name: Automated class Attendance System

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Project Objectives: To automate the process of students having to manually sign a register for class attendance and to make the tabulation of student attendance less tedious.

**Deliverables**

High Level

Check database for correct class

Validate User is in class

Export Report in format pdf etc.

Activities

Low Level

Add instance to Database

Query Database for information

Generate Report on Data

Scan student ID for relevant information

Help Administrative bodies keep track of Student attendance

Capture ID and timestamp of student to and store

To assist in the tracking, storing and accessing of student attendance in classes which can assist in relevant strategic decisions which can in turn manage courses better

WORK BREAKDOWN STRUCTURE

TIMELINE DEVELOPMENT

Work Packages

-Validate User

* Create profile
* Create login authentication

-Add to Database

* Create database
* Add login authentication to database
* Create database model
* Add relevant data to database

-Query Database for Information

* Create query for specific data needs
* Access data from database to provide for query
* Provide data in graphical / easy-to-read format

-Export Report in specified format

* Run query
* Modify information into relevant format
* Allow for download

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| Week 6 | Week 7 | Week 8 | Week 9 | Week 10 | Week 11 | Week 12 | Week 13 |
| Scrape .csv file for important data |  |  |  |  |  |  |  |
|  | Organize database (organizing data given into useable format |  |  |  |  |  |  |
|  |  | Storing & retrieving data from & to firebase |  |  |  |  |  |
|  |  |  | Integrating data into system |  |  |  |  |
|  |  |  |  | Testing data transfer between web application and database |  |  |  |
|  |  | Generate reports | | | |  |  |
|  |  |  |  |  |  | Code completion | |
|  |  |  |  |  |  | Presentation Preparation | |