**Cloud-Enhanced Web-Based System for Streamlined Final Year Project Allocation and Tracking with Deduplication**

**Or**

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**Abstracts**

Final year projects are the only thing that matters on final graduation. Project work demonstrates the depth of knowledge and some soft skills, such as creativity and problem-solving. The final year Projects will also improve your interview prospects. Therefore, it is necessary and mandatory for students to complete a project in their final year of graduation. Managing and controlling the final year projects of students using manual or traditional process is a very tedious job. This project is aimed at developing a web-based system, which manages the activity of Student Project Allocation and Tracking system. The application helps students, project advisors, and faculty administrators manage the project from the beginning to the end. The main features of this system are (i) project title recommendation, (ii) project and team prioritization, (iii) project and team matching, project management and scoring, and report generation. This deduplication functionality ensures the elimination of redundant or overlapping project proposals, streamlining the project selection and allocation process. The system is therefore useful to help Project Internal Guide to arrange project selection and allocation procedure, as well as helping the students to submit their preferences. HOD will also be able to employ the system for keep tracking the progress of the projects. This application will be used by the Project Co-ordinator, Internal Guide, HoD and FYP students to increase the efficiency and quality of the collaboration. This application will make supervision process formal and professional.

**Technology Stack**

* Front End : Python 3.7.4(64-bit) or (32-bit)
* Web Design : HTML, CSS, Bootstrap
* IDE : Flask 1.1.1
* Back End : MySQL 5.
* Server : Wampserver 2i

Effortless and cross-location collaboration and communication between faculties, staff, students, departments in a central web-based project management system.