**PSG COLLEGE OF TECHNOLOGY, COIMBATORE – 641 004**

**DEPARTMENT OF COMPUTER APPLICATIONS**

**MCA Second Year Semester III**

**23MX37 MINI PROJECT**

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| **ROLL NUMBER** | **NAME** | **PROJECT TITLE** | **GUIDE** |
| 23MX322 | Rahul G | Asset management and tracking system | Dr Subathra M |

**Abstract:**

The “Asset management and tracking system” project aims to create a robust and simple online platform to keep track of existing assets as well as add new assets. Built on a technology stack comprising of React and Bootstrap for responsive front-end design, Node.js for server-side scripting and MongoDB for efficient data storage, the portal provides a versatile environment to easily manage and track assets.

Users register using their official credentials, gaining access to role-specific functionalities tailored for administrators and other users like students, teaching staff, non-teaching staff and lab assistants. The portal allows all users to view the assets available and their specifications including location, status, count, exact specifications, cost, date of purchase, Account head, etc. These allow the administrators to easily view and identify the assets instead of looking them up manually.

Added features such as filtering of assets based on their characteristics, displaying a log of the upgradation of each asset along with its date and the upgrades performed facilitate easy lookup and maintenance. The portal also integrates the ability to easily download a list of the assets in excel or pdf format for official purposes in and outside the department.

By promoting easy maintenance and lookup of available resources and assets, the asset management and tracking system aims to simplify and digitize the traditional way of managing assets. It serves as a centralized hub for all assets providing 24/7 availability and uptime, and easy access from anywhere making it a reliable tool.

**Signature of the Guide**