**Weekly Progress Report (WPR)**

**Amity School of Engineering & Technology**

B.Tech (CSE) VII Semester

WPR 2 Duration: 20/05/2025 to 26/05/2025

Students Weekly Progress Report (WPR) for Odd Semester of session 2025-2026

|  |  |
| --- | --- |
| **To be filled by Students** |  |
| Students Name | Yati |
| Roll no. | 2330 |
| Enrollment no. | A2305222330 |
| Project Title finalized, if Yes, give name, if NO, give reason | DIA-CoE Projects DARPAN |
| Synopsis submitted | This project delivers a full-featured web platform for managing research projects at DIA-CoE DRDO SSPL. It simplifies the process of handling project records while enforcing strict validation to ensure data reliability. Key features include a fast search system, options to export data, and detailed activity tracking for each user. By clearly separating administrative and viewer roles, the platform promotes secure and organized access to project data, ultimately improving operational transparency and efficiency within the organization. |
| Literature review | Focused on understanding how to implement complete CRUD (Create, Read, Update, Delete) operations for managing project records efficiently. Referred to documentation and tutorials on handling database interactions securely using Flask and SQLAlchemy. Additionally, explored basic concepts of user action logging and how to generate downloadable files in CSV and PDF formats. These resources helped guide our implementation of the planned features. |
| Technical & Economical Feasibility | The project is technically feasible with the help of open-source tools and libraries. From a cost perspective, it's highly economical—there’s no need for any proprietary software or hardware. |
| Bill of Material | 0 |
| Project Progress Schedule (PERT Chart) | Requirement Gathering, System Design, User Authentication & Roles |
| Design of critical components | - |
| Fabrication work (give %) | - |
| Experimental work (give %) | - |
| Result and Analysis | The complete CRUD functionality for project records was successfully implemented, allowing users to add, view, update, and delete project entries within the system. This marks a major milestone, enabling real-time record management. Initial work on logging user actions has begun, laying the foundation for system accountability and activity tracking. Also started building the export feature, which will allow users to download project data in CSV or PDF formats. These features significantly improve usability and traceability within the platform. |
| Report writing | - |
| Signature of students | Yati |

Work done in this week :

* Successfully implemented full Create, Read, Update, and Delete (CRUD) functionalities for managing project records within the system.
* Integrated role-based access control to ensure only authorized users (e.g., admins vs. viewers) can modify records.
* Initiated the development of a logging system to monitor and record user actions, such as data modifications.
* Started building export capabilities, focusing on preparing data for CSV and PDF format downloads.
* Engaged in discussions with DRDO SSPL scientists to align system features with real-world workflow requirements.
* Enhanced the user interface design based on valuable feedback from scientists and mentors, improving overall usability and intuitiveness.
* Conducted testing of the newly developed CRUD operations and UI enhancements to ensure proper functionality and eliminate errors.

|  |
| --- |
| To be filled by Guide (strike off whichever is not applicable) |
| Performance of students is satisfactory |
| Performance of students is unsatisfactory |
| A warning to be issued to student(s) (Name) |
| Student was not well (Name) |
| Date Signature of Guide |

Date:

26-05-2025