

## Log Book

| Week and Sr. No |   | Contents  | Weekly Date              |
|-----------------|---|---|--------------------------|
| I.              | 1 | <b>Introduction</b><br>Studied the introduction of the Hostel Management System and how it helps in managing students, rooms, and complaints using an online system.  | 19/09/2022 to 24/09/2022 |
| II              | 2 | <b>Related Concepts</b><br>Learned concepts of DBMS, web technologies, and role-based login used in the Hostel Management System.   | 26/09/2022 to 01/10/2022 |
| III.            | 1 | <b>Problem Statement, Justify your project title</b><br>Analyzed problems in manual hostel management such as paperwork and delays. Justified the need for an online hostel system.   | 03/10/2022 to 08/10/2022 |
| IV.             | 1 | <b>Software and Hardware Requirements</b><br>Operating System : Windows<br>Frontend : HTML5, CSS, Javascript<br>Backend : Python Flask<br>Database : SQLite<br>Tools : VS CODE<br>WEB Server : Render   | 10/10/2022 to 15/10/2022 |
| V.              | 1 | <b>Implementation</b><br>Design of system architecture and module flow.<br>Database design and creation of tables for users and leave records.<br>Frontend development of login and leave application forms.<br><br>Backend development using Python Flask for routing and authentication.<br><br>Implementation of leave application submission and approval logic.<br><br>Integration of frontend, backend, and database modules.<br><br>System testing, bug fixing, and final refinement of the application. | 17/10/2022 to 22/10/2022 |
| VI.             |   |   | 24/10/2022 to 29/10/2022 |
| VII.            |   |   | 31/10/2022 to 05/11/2022 |
| VIII.           |   |   | 07/11/2022 to 12/11/2022 |
| IX.             |   |   | 14/11/2022 to 19/11/2022 |
| X.              |   |   | 21/11/2022 to 26/11/2022 |
| XI              |   |   | 28/11/2022 to 03/12/2022 |
| XII.            | 1 | <b>Conclusions</b><br>The Hostel Management System efficiently manages hostel operations such as room allocation, complaint handling, and student records. It reduces paperwork, saves time, improves accuracy, and provides easy access and transparency for students, wardens, and administrators.  | 05/12/2022 to 10/12/2022 |
|                 | 2 | <b>References / Bibliography</b><br>1. <b>W3Schools</b> , <i>HTML, CSS, JavaScript Tutorials</i><br><a href="https://www.w3schools.com">https://www.w3schools.com</a><br>2. <b>GeeksforGeeks</b> , <i>Python, Flask &amp; Web Development Resources</i><br><a href="https://www.geeksforgeeks.org">https://www.geeksforgeeks.org</a><br>3. <b>Flask Documentation</b> , <i>Flask Web Framework</i><br><a href="https://flask.palletsprojects.com">https://flask.palletsprojects.com</a>                         |                          |