

**A**

**PROJECT REPORT**

**FOR**

**SUBJECT: PROJECT PHASE II**

**ON**

**TASK MANAGEMENT WEB APPLICATION**

**FOR SOFTWARE PROJECTS**

Submitted in partial fulfilment of the requirement for the award of

**Bachelor of Technology**

**In**

**Computer Science and Engineering**

**Walchand Institute of Technology**

**(An Autonomous Institute)**

By

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| **Akchat Jain** | **16** |

Under the Guidance of

**Dr. Pratibha Kaladeep**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**WALCHAND INSTITUTE OF TECHNOLOGY**

**SOLAPUR - 413006**

**(2024-2025)**



**Certificate**

This is to certify that the project entitled

**TASK MANAGEMENT WEB APPLICATION**

**FOR SOFTWARE PROJECTS**

Is submitted by

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***Project Guide Head***

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**(Dr. V.A. Athavale)**

**Principal**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**WALCHAND INSTITUTE OF TECHNOLOGY**

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**Project Approval Sheet**

The Project Entitled

**TASK MANAGEMENT WEB APPLICATION**

**FOR SOFTWARE PROJECTS**

Submitted by

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Bachelor of Computer Science and Engineering”

**(Dr. Pratibha Kaladeep) (Dr. Mrs. A.M.Pujar)**

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**Acknowledgment**

At the outset, we would like to take this opportunity to express our deep gratitude to our guide **Project Guide** of CSE Department for his guidance and moral support throughout this successful completion of our project.

We heartily thank **Dr. Mrs. A.M.Pujar,** Head of CSE Dept for her moral support and promoting us through completion of our project.

We would also like to thank our Principal **Dr. V. A. Athavale** and all staff members for their whole hearted co-operation in completing this project.

**UNDERTAKING**

We solemnly declare that project work presented in the report titled **Project Title** is solely my project work with no significant contribution from any other person except project guide. Small contribution/help wherever taken has been duly acknowledged and that complete report has been written by the members of the project group.

We understand the zero tolerance policy of the WIT, Solapur towards plagiarism. Therefore we as authors of the above titled report declare that no portion of the report has been plagiarized and any material used as reference is properly referred / cited.

We undertake that if found guilty of any formal plagiarism in the above titled report even after award of the degree, WIT, Solapur and PAHSUS reserves the rights to withdraw/revoke the degree granted and that WIT, Solapur and the University has the right to publish our name on the website on which names of students are placed who submitted plagiarized report.

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**Abstract**

This project presents the development of a web-based application titled **Manage Mate**, designed to streamline task and project management while enhancing team collaboration and productivity. Inspired by tools like Bitrix24, the application was implemented with a focus on a three-tier hierarchical structure and role-based access control, enabling efficient oversight and task delegation across organizational roles.

The system supports three key user roles: Project Managers, Project Leaders, and Team Members. Core functionalities include role-specific dashboards, secure JWT-based authentication, task and project assignment, progress tracking, a point-based incentive system. The frontend was developed using React.js, styled with Tailwind CSS, while the backend uses Node.js with Express.js. MongoDB is used for database storage. This system lays a strong foundation for future enhancements like chat, Gantt charts, and advanced analytics.

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