



G. Narayanamma Institute of Technology & Science

(Autonomous) (For Women)

Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad

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Shaikpet, Hyderabad-500104

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING GNR- 22, (2024 - 2025) III B.Tech Mini Project on

“PROJECT MONITORING SYSTEM”

Under the guidance of

Mrs. G. Mythili Sharvani, Asst. Professor

Abstract:

The project aims to design and develop a comprehensive project management system utilizing the MERN (MongoDB, Express, React, Node.js) stack, facilitating a seamless experience for students to upload and managing the abstracts and documents. The system is equipped with an initial review mechanism, where uploaded files are first reviewed by the system's AI-powered tool, followed by a manual review by the assigned guide. A robust notification system is integrated to keep students informed about the status of the submissions. The application is deployed on a cloud-based infrastructure, ensuring scalability, reliability, and accessibility.

System streamlines the project management process, enhances collaboration between students and guides, and provides a user-friendly interface for efficient document management. By leveraging the full potential of the MERN stack, this project offers a cutting-edge solution for academic institutions seeking to optimize project management workflows.

Software Requirements:

- Frontend: React.js, Redux, Bootstrap, JavaScript
- Backend: Node.js, Express.js, MongoDB
- AI-Powered Review Tool
- Development Tools: Visual Studio Code
- Deployment Platform: Cloud ,Kubernetes.
- Repository: Git.

Hardware Requirements:

- Processor: Intel i5 or higher
- RAM: Minimum 8GB, Storage: Minimum 500GB SSD

*DeptR&D: No

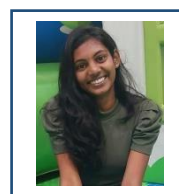
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