



G. Narayanamma Institute of Technology & Science

(Autonomous)

(For Women)

Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad
Accredited by NBA & NAAC, an ISO 9001:2015 Certified Institution

Shaikpet, Hyderabad-500104

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

GNR- 22, (2024 - 2025) III B.Tech Mini Project

on

“AUTOMATED ABSTRACT REVIEW TOOL”

Under the guidance of

Mrs. G. Mythili Sharvani, Asst. Professor

Abstract:

Our project streamlines abstract review using an AI-powered web application built with Spring Boot and React.js. Students can upload abstracts, which undergo an initial automated formatting check using Gemini AI, ensuring compliance with predefined documentation rules before guide review. This reduces manual effort, improves clarity, and enhances project evaluation efficiency.

The system assigns teams to independent virtual rooms based on departments and sections for structured project tracking. Once an abstract is uploaded, Gemini AI scans it, provides rule-based suggestions, and updates the document. The system then notifies the assigned guide via email, providing access to the reviewed document for final evaluation. This automated workflow promotes transparency and seamless collaboration between students and faculty.

With cloud-based deployment, the platform ensures scalability, reliability, and accessibility. By integrating AI-powered review and real-time updates, the system significantly improves the documentation process, reducing turnaround time and enhancing project evaluation.

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

CompanyName/GNITS(CoE/RC):

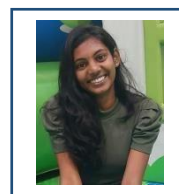


22251A05E9
S.Madhumitha

ssambumadhumitha@gmail.com bhavanaveleti@gmail.com
9014241240 9640666088



22251A05F9
V.Bhavanakruthi



22251A05G6
D. Asritha

deveramasritha6@gmail.com
9390279066



22251A05H1
J Sankeerthana

sankeerthanajadi6@gmail.com
9059125460

Internal Guide

Class Coordinator

Project Coordinator

Head of Department

