**Shaikpet,Hyderabad-500104**



**Specialization in Web Application**

**C2**

**G. Narayanamma Institute of Technology & Science**

**(Autonomous) (For Women)**

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

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:**

Project streamlines abstract review using an AI-powered web application built with 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):



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Internal Guide Class Coordinator Project Coordinator Head of Department

**SpecializationinML,SpaceScience**

**C10**