RAJALAKSHMI ENGINEERING COLLEGE
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
IV YEAR PROJECT PHASE – I (2021– 2025 Batch)
<u>PROJECT ABSTRACT</u>

Project Title	**AI Powered Personalized Learning Platform For Students**	
Batch-ID	**B21A2425D05**	
Supervisor Name	**Dr. N. DURAIMURUGAN, M.Tech, Ph.D**	
Team Member Details	**Team Member-1**	**Team Mmber-2**
Student Name(s)	**Priyadharshini G**	**Raveenasri R**
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ABSTRACT:

This AI-powered e-learning platform revolutionizes education by providing personalized learning paths tailored to individual student needs, automated quiz generation using the ChatGPT API, and efficient test management with AI-powered proctoring. The platform includes interactive reading modules enriched with multimedia materials and engagement tracking, as well as high-quality, multilingual text-to-speech functionality for enhanced accessibility. Video lectures benefit from improved sound quality and interactive elements. Teachers receive comprehensive support, including resources, training, and collaboration tools. The platform ensures data privacy and security, offers high scalability and performance, and continuously improves through user feedback. Additionally, it provides access to diverse learning resources such as websites and videos, creating a versatile, engaging, and supportive learning environment for both students and educators.

SUPERVISOR   **PROJECT CO-ORDINATOR**