

PERSONALIZED LEARNING PLATFORM

A project report submitted in partial fulfillment of the requirements for the award of the Degree of

BACHELOR OF TECHNOLOGY

In

COMPUTER SCIENCE AND ENGINEERING

Submitted by

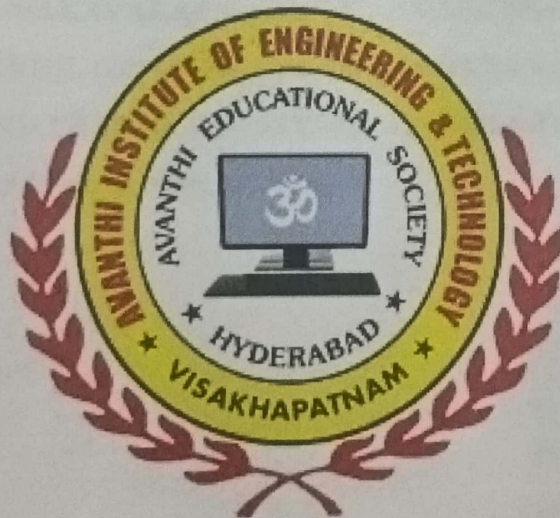
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AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Permanently affiliated to JNTU Gurajada Vizianagaram)

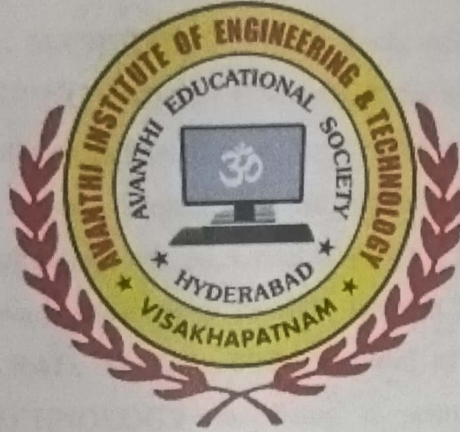
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MAKAVARAPALEM, NARSIPATNAM,

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(2020-2024)

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CERTIFICATE

This is to certify that the project entitled "PERSONALIZED LEARNING PLATFORM" in partial fulfillment for the of degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING, at AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY, MAKAVARAPALEM, VISAKHAPATNAM is an bonafide work carried out by M. NIKHIL (20811A0564), A. SREE CHARAN (20811A0504), D. SARADA (20811A0528), G. DURGAPRASAD (20811A0538), M. NARASIMHA (20811A0565) under the guidance and supervision during 2023-2024.

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1. INTRODUCTION

1.1 ABSTRACT:

This project introduces a web-based platform, "Personalized Learning Platform," designed to bridge the gap between education and technology. It caters to two user groups: administrators and learners.

Administrators can create and manage courses, including uploading multimedia content (videos, PDFs). They possess full user management capabilities, granting or revoking admin privileges and overseeing user enrollments. The platform empowers them to customize website elements like FAQs and course categories, and access insightful analytics on users, courses, and enrollments.

Learners enjoy a flexible and engaging learning experience. Secure login options include OTP verification, Google, and Github social authentication. Learners can explore a diverse course library, filter by category, and enroll in courses at no cost. The platform fosters a collaborative environment with a Q&A section embedded within each video lecture. Learners can ask questions, receiving email notifications upon receiving replies from administrators or other learners.

Personalized learning is emphasized through features like dynamic roadmaps and an AI-powered chatbot. These tools assist learners in crafting individualized study plans tailored to their specific needs.

By offering a dynamic and interactive learning experience, "Personalized Learning Platform" empowers learners to chart their own educational path while fostering a supportive community