

Educational AI

Project Documentation

Introduction

- Project title : ***Edu Tutor AI: Personalized Learning***
- Team leader : RAJADURAI.V
- Team member : AKASH.M
- Team member : SANJAY.S
- Team member : MANIKKUMAR.S

Project Title

"Empowering Education through Artificial Intelligence" *(You can customize this name to reflect your project's specific goal.)*

Executive Summary

This project aims to integrate Artificial Intelligence (AI) into the educational ecosystem to enhance learning outcomes, personalize education, and streamline administrative processes. It will involve the development and deployment of AI-driven tools for students, educators, and institutions to support teaching, learning, and assessment.

Objectives

- ☐ To personalize learning using AI-driven adaptive learning systems.
- ☐ To develop intelligent tutoring systems for real-time feedback and guidance.
- ☐ To automate administrative tasks and grading using AI models.
- ☐ To bridge gaps in access to quality education using AI-powered content delivery.
- ☐ To promote AI literacy among students and educators.

Scope of the Project

The project will cover the following areas:

- ☐ **Primary & Secondary Education:** AI tools for K-12 curriculum support.
- ☐ **Higher Education:** AI applications in research, assessment, and content delivery.
- ☐ **Teacher Support:** AI tools for lesson planning, evaluation, and professional development.
- ☐ **Administration:** Automation of grading, attendance tracking, and report generation.
- ☐ **Inclusion:** AI tools for students with learning disabilities or special needs.

Target Audience

- ☐ Students (K-12, College, University)
- ☐ Educators and Trainers
- ☐ School/University Administrators
- ☐ Educational NGOs
- ☐ Policymakers in Education

Key Deliverables

- ☐ AI-Powered Learning Platform or App
- ☐ Personalized Learning Algorithms
- ☐ Automated Assessment Tool
- ☐ Natural Language Chatbot for Student Support
- ☐ AI Analytics Dashboard for Educators
- ☐ Training Modules on AI for Teachers

Technologies to be Used

- ☐ Machine Learning (Supervised, Unsupervised)
- ☐ Natural Language Processing (NLP)
- ☐ Computer Vision (for handwriting/diagram recognition)
- ☐ AI Chatbots (GPT-based or custom)
- ☐ Cloud Infrastructure (AWS, Azure, or GCP)
- ☐ Data Analytics Tools (Power BI, Tableau)

Project Phases & Timeline

Phase

Phase	Description	Duration
Phase 1	Research & Needs Assessment	Month 1
Phase 2	Design & Architecture	Month 2–3
Phase 3	Development of AI Tools	Month 4–7
Phase 4	Pilot Testing in Schools/Colleges	Month 8–9

Phase 5	Feedback & Optimization	Month 10
Phase 6	Full-scale Deployment	Month 11–12