



PRAGATI ENGINEERING COLLEGE

(Autonomous)

PRAGATI TECHNICAL CLUB PRESENTS

STRIDES 2K25

WEB DEVELOPMENT HACKATHON 2K25

Problem statements based education and learning sector:-

1.Accessible Education for Disability persons: Develop a web application that provides inclusive educational resources for students with disabilities, ensuring compliance with accessibility standards like WCAG (Web Content Accessibility Guidelines).

2.E-Library System: Build a web portal for an e-library where users can browse, borrow, and read books online, with personalized recommendations based on user preferences.

3.AI-Powered Learning Assistant: Create a web platform with an AI-powered learning assistant that provides personalized learning paths, answers student queries, and tracks their progress.

4.AI-Powered Student Assistance Chatbot:

Create a web platform with an AI-powered learning assistant chatbot that provides personalized learning paths, answers student queries, and tracks their progress.

5.Comprehensive Learning Management System (LMS):Build a full-fledged LMS with features like course management, assignment submission, attendance tracking, live classes, grading, and analytics dashboards for teachers and students.



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Problem statements based Block chain and Crypto Currency:

1.Cryptocurrency Price Tracker: Build a simple website to display the real-time prices of popular cryptocurrencies like Bitcoin, Ethereum, and Dogecoin.

2.Crypto Wallet Address Validator: Create a web app where users can input a cryptocurrency wallet address to validate its correctness.

3.Basic Blockchain Explorer: Design a website that allows users to search and view transaction details on a blockchain (e.g., Ethereum).

4.Decentralized portfolio centre:

Problem Statement: Build a responsive web application that allows users to track their cryptocurrency portfolios. The platform should fetch real-time data from multiple cryptocurrency exchanges using APIs, provide insights into market trends, and display detailed transaction histories.

5.Token Launch Platform: Create a website where users can create and launch their own cryptocurrency tokens.



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Problem statements based on Placement preparation Hub:

- 1.Resume Builder and Analyzer:** Build a website where students can create, customize, and download resumes while receiving feedback based on ATS (Applicant Tracking System) compatibility.
- 2. Mock Interview Scheduler:** Develop a platform for scheduling and conducting mock interviews with mentors or AI bots.
- 3. Placement Tracker Dashboard:** Create a dashboard for students to track placement-related metrics such as applied companies, interview dates, and offers received.
- 4. Company-Specific Resource Hub:** Build a platform with tailored resources, past questions, and tips for specific companies like Google, TCS, or Infosys.
- 5. AI-Powered Adaptive Learning Platform:** Build a platform that uses AI to assess a student's strengths and weaknesses and provides a customized learning path for placement preparation.



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Problem statements based on Health Care and Wellness:

- 1. Healthy Recipe Blog:** Create a website where users can browse healthy recipes categorized by meals (breakfast, lunch, dinner).
- 2. Simple Fitness Tracker:** Build a website where users can log their daily exercise routines and view their weekly progress.
- 3. Health Tips Website:** Create a static website displaying daily health tips and wellness articles.
- 4. Personalized Health Tracker:** Design a platform where users can log and track their daily health parameters such as calories, steps, sleep, and hydration levels.
- 5. Digital Health Record Management System:** Build a system where patients can securely upload, view, and share their medical records with healthcare providers.