TARGET

Students with Autism Spectrum Disorder (ASD): Autism is a developmental disorder characterized by social communication difficulties and restricted/repetitive behaviors. An AI-powered learning platform can provide personalized support, visual schedules, social skills training, and communication tools to enhance the educational experience for students with ASD.

\*\*\* Mindful of Sensory Overload \*\*\*

IDEAS:

Eco-friendly Transportation Planner - Sustainable Supply Chain Optimization - Personalized Travel Planner - Intelligent Traffic Management and Optimization

<<<Personalized Learning Platform (Create flashcards, summaries, notes, images, saves documents, lessons on demand, quiz, test) - Language Learning Companion>>>

Disaster Preparedness and Response - AI-Powered Early Warning System for Natural Disasters

FUNCTIONALITIES

Assistive Technologies: speech-to-text, text-to-speech, predictive text to support students with disabilities.

Adaptive Assessments: User Registration and Profile Creation, analyze individual learning profiles and offer personalized assessments tailored to each student's abilities and needs. The assessments can adapt the difficulty level and format based on the student's performance.

Visual Supports and Social Stories: Incorporate visual supports, such as visual schedules, social stories, and visual cues, to assist students with ASD in understanding and following instructions, managing transitions, and navigating social situations effectively.

Communication and Social Skills Development: Integrate features to support communication and social skills development for students with ASD. This can include interactive activities, prompts for social interactions, and tools for practicing communication skills in a safe and controlled environment.

COURSE + EXPLAIN (IMAGES, TEXT, SPEECH) + EXAMPLES  ASSESSMENTS/QUIZ/TEXT-ANSWER/MPC/FLASHCARD -> FEEDBACK + TRACK YOUR PROGRESS + ITERATE COURSE

Different modules to teach/develop skills:  
1. Communication (Chat, Group, Initializing, Responding, Maintaining, Understanding)  
2. Understanding social situations + developing social skills (situations, interactions, Social Norms/Cues, behavior; story + photo)  
3. Emotional understanding (Recognize, Respond)  
  
1. How to talk with ASD 2. How to help ASD 3. What is ASD 4. AI ASSISSTANT TO TALK TO!