FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT)

Hormis Nagar, Mookkannoor PO, Angamaly, Kochi
Accredited by NAAC with 'A+' Grade

DEPARTMENT OF COMPUTER APPLICATIONS

SYNOPSIS OF THE MAIN PROJECT

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GitHub ID	https://github.com/Nevin10son
Project Title	AI-Enhanced Daily Diary Application with Language Improvement and Goal Tracking
Area of the Project	Web development intergated with AI
Date of Submission	9/01/2025

Description of Project:

AI-Enhanced Daily Diary Application with Language Improvement and Goal Tracking, is a multifunctional platform aimed at helping users refine their English writing skills and achieve their personal goals. The application allows users to document their daily experiences and enhances their entries by identifying grammatical flaws, rephrasing sentences, and suggesting enriched vocabulary for better expression. This ensures that users can produce impeccable and polished writing while gradually improving their language proficiency.

The diary also serves as a goal-setting and tracking tool. When users write about their goals, the system uses AI to provide actionable suggestions and strategies to achieve them. It breaks down large goals into manageable tasks, tracks progress, and offers timely recommendations to keep users motivated and on track.

Built with advanced AI technologies, this application ensures a seamless and interactive user experience while maintaining strong data security. It is designed to assist users in not only improving their writing skills but also effectively managing and achieving their goals. This makes it a powerful tool for self-improvement and personal growth, catering to users who value productivity and continuous learning.

- **User Module**:
  - User Registration/Login with authentication (email/password, social login).
  - Profile Management

- **Daily Diary Module**
  - Text Editor for diary entry creation and editing
  - Grammar correction, sentence rephrasing, and vocabulary enhancement using AI.

- **Goal Setting and Tracking Module**
  - Allow users to define short-term and long-term goals.
  - Provide AI-driven actionable suggestions and steps to achieve goals.
  - Track progress with reminders and visual progress bars.

Front End & Back End Tools	MongoDB, Express.js, React.js, Node.js,AI models for grammar correction, paraphrasing and recommendations.