Basic Details of the Team and Problem Statement

Problem Statement: The Gap in AI-Assisted Design Tools for Figma

Team Name: Four-Feit

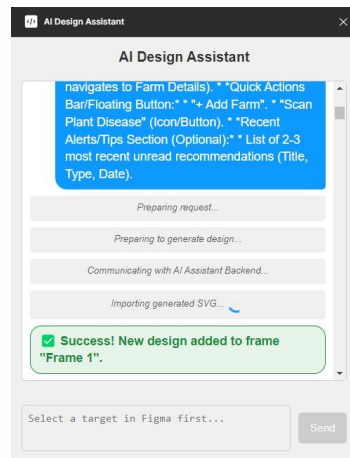Institute Name: Vidyavardhini's Bhausaheb Vartak Polytechnic

Theme Name: Artificial Intelligence and Web Development

HackSlash

Idea/Approach Details

Describe your idea/Solution/Prototype here:

- **PROBLEM:**

- Designers waste time translating ideas into visuals. Existing Figma plugins lack true AI automation, making tasks like rapid prototyping and wireframing slow and manual.

- **SOLUTION:**

- An AI-powered Figma plugin that generates designs from natural language prompts.

- The plugin translates a prompt into Layouts, Components, Text styles and colors, creating a visually appealing figma design.

- **BUSINESS IDEA:** We Are planning to publish this figma plugin in a subscription model.

AI Design Assistant

navigates to Farm Details). * "Quick Actions Bar/Floating Button:" * "+ Add Farm". * "Scan Plant Disease" (Icon/Button). * "Recent Alerts/Tips Section (Optional):" * List of 2-3 most recent unread recommendations (Title, Type, Date).

Preparing request...

Preparing to generate design...

Communicating with AI Assistant Backend...

Importing generated SVG...

✅ Success! New design added to frame "Frame 1".

Select a target in Figma first...   [Send]

UI of the Prototype

(The UI is still in progress and is going to be improved)

Describe your Technology stack here:

Frontend: Html, CSS, JavaScript, Native Figma API
Backend: Python, Flask, Google Agents SDK

Idea/Approach Details

Describe your Use Cases here:

- **Use Cases: Rapid Prototyping – Quickly spin up ideas to validate with teams or clients.**

- **Design Exploration – Instantly explore multiple layout variations for a single idea.**

- **Developer Handoff – Generate consistent design systems that are dev-friendly.**

- **Accessibility Focus – Include accessibility-friendly elements automatically.**

- ◆ **Scope: Initially targets UI/UX designers, startups, and agencies. Can scale to Auto-generate design systems based on branding. Integrate with code generation tools.**

Describe your Dependencies/ Show Stopper here:

- **AI Model :The plugin relies on an external AI model (LLM) that supports prompt interpretation via an API key.**

- **Design Quality Assurance: AI-generated designs maintain high usability and but don't always assure visual quality. (As AI can make mistakes)**

Team Member Details

Team Leader Name: Rishabh Hatlunkar

Branch (Btech/BCA etc): Diploma   Stream (ECE, CSE etc): CSE   Year (I,II,III,IV): III

Team Member 1 Name: Atharva Jagtap

Branch (Btech/BCA etc): Diploma   Stream (ECE, CSE etc): CSE   Year (I,II,III,IV): III

Team Member 2 Name: Yash Mhatre

Branch (Btech/BCA etc): Diploma   Stream (ECE, CSE etc): CSE   Year (I,II,III,IV): III

Team Member 3 Name: Mohit Mhatre

Branch (Btech/BCA etc): Diploma   Stream (ECE, CSE etc): CSE   Year (I,II,III,IV): III

Team Mentor 1 Name: N/A

Category (Academic/Industry): N/A   Expertise: N/A
Domain Experience (in years): N/A

Team Mentor 2 Name: Type Your Name Here (If Any)

Category (Academic/Industry): N/A   Expertise: N/A
Domain Experience (in years): N/A