**Title – Design Thinking Problems with GenAI Tools for Various Businesses**

**Concept - Artificial Intelligence**

**Theory applied to experiment-** This project aims to empower students with design thinking skills and an understanding of GenAI's capabilities in tackling real-world business challenges. Through tackling design thinking problems focused on various businesses and utilizing GenAI tools like Gemini.

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| **Materials required** | **Hardware Requirements:**   |  |  | | --- | --- | | **Components** | **Quantity** | | Computer or laptop with internet access | 1 |   **Software Requirements:**   |  |  | | --- | --- | | **Components** | **Quantity** | | 1. Link- [Access to Gemini application](https://ai.google.dev/examples?keywords=prompt) | 1 | | Web browser (Google Chrome recommended) | 1 | |
| **Procedure** | **Refer this link**  Resourses- |
| **Procedure to be performed by student** |  **Open the Website**:   * Click on this website link: [Gemini AI](https://ai.google.dev/gemini-api/prompts?keywords=prompt).    **Explore Gemini AI**:   * Once the website opens, explore the **Gemini AI** tool. * You’ll see different sections like Blog Writer, Recipe Generator, and more.    **Choose a Tool**:   * Pick one tool you want to try:   + **Blog Writer**: If you want to write stories or blogs.   + **Recipe Generator**: If you want to create fun recipes.   + **Market Research**: If you’re curious about how businesses use data.    **Write a Prompt**:   * Type a simple instruction (prompt) into the tool.   + Example: “Write a blog about animals.”   + For the Recipe Generator, you can type something like: “Make a recipe with chocolate and strawberries.”    **Generate Content**:   * Click **Generate** and watch how Gemini creates your blog or recipe. * Read through what it creates and see if it matches what you want.    **Refine Your Prompt**:   * If the first result isn’t perfect, try changing the prompt. * Add more details, like “Write a short blog about taking care of cats.”    **Practice Time**:   * Explore the tools and try creating different blogs, recipes, or stories. * Try different prompts and see how the results change.    **Share Your Work**:   * After practicing, share what you created with your classmates. |
| **Observation /analysis** | **1.User Interaction:**  • Observe how participants engage with the generative AI tools and create solutions.  **2. Creativity and Innovation:**  • Evaluate the creativity and uniqueness of the solutions generated.  **3. Problem-Solving Skills:**  • Observe how participants approach and overcome the challenges presented by Iron Man-related tasks.  **4. Tool Proficiency:**  • Assess the participants' ability to effectively use Microsoft Designer, Canva Image Generator, and Gravity Write AI Tool. |
| **Conclusion** | The Generative AI Tools Activity empowered participants to unleash their creativity through AI-driven design. By employing tools like Microsoft Designer, Canva Image Generator, and Gravity Write AI Tool, they tackled Iron Man-themed challenges with ingenuity.  **Key Takeaways:**  Participants not only mastered advanced AI design tools but also demonstrated remarkable problem-solving skills in the context of Iron Man's world.  **Unlocking Creative Potential**  This activity highlighted how AI-enhanced design tools can amplify creative expression, providing a glimpse into the future of design.  **Realizing Iron Man's Vision:**  By addressing challenges Iron Man might face, participants stepped into the shoes of a technological genius, showcasing the fusion of creativity and AI. |
| **Experiment takeaways** | Participants will gain proficiency in using generative AI tools and learn how to apply them creatively to address specific challenges. |
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