**Problem Definition:**

The project involves creating an image recognition system using IBM Cloud Visual Recognition. The goal is to develop a platform where users can upload images, and the system accurately classifies and describes the image contents. This will enable users to craft engaging visual stories with the help of AI-generated captions, enhancing their connection with the audience through captivating visuals and compelling narratives.

**Design Thinking**:

1. Image Recognition Setup: Set up the IBM Cloud Visual Recognition service and obtain the necessary API keys.
2. User Interface: Design a user-friendly interface for users to upload images and view the AI-generated captions.
3. Image Classification: Implement the image classification process using the IBM Cloud Visual Recognition API.
4. AI-Generated Captions: Integrate natural language generation to create captions for the recognized images.
5. User Engagement: Design features to allow users to explore, save, and share their AIenhanced images.

***PHASE -2 :***

**Innovation Document Outline:**

**1. Introduction :**

- Brief overview of the image recognition system using IBM Cloud Visual Recognition.

- The problem it aims to solve and its significance.

**2. Design and Architecture :**

- Detailed explanation of the image recognition system’s design.

- Architecture, including components, their interactions, and flow of data.

- Explanation of how IBM Cloud Visual Recognition fits into the design.

**3. Implementation Steps :**

- Step-by-step guide on setting up IBM Cloud Visual Recognition.

- Collecting and preparing images, training the model, and using it for classification and captioning.

**4. Innovation and Enhancements :**

- Describe any unique features, improvements, or innovations integrated into the system.

- Potential future enhancements and advancements in the image recognition technology.

**5. Visual Stories :**

- Examples of visual stories crafted using the system, showcasing AI-generated captions.

**6. Conclusion :**

- Recap of the innovation and its potential impact.

- Closing thoughts on the project and its implications.