**Title** – Exploring Nature with Generative AI Tools

**Concept -** AI-powered tools to create images and stories

**Theory applied to experiment-**Students will learn how Generative AI (including image and text creation tools) can simulate creative processes, helping them produce engaging content. These tools highlight how AI enhances creativity in the fields of design and storytelling, especially regarding environmental and nature-related topics.

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| **Materials required** | **Hardware Requirements:**   |  |  | | --- | --- | | **Components** | **Quantity** | | Computer or laptop with internet access | 1 |   **Software Requirements:**   |  |  | | --- | --- | | **Components** | **Quantity** | | **Links:**   * **Microsoft Designer**: <https://designer.microsoft.com> * **Canva Image Generator**: <https://www.canva.com> | 1 | | Web browser (Google Chrome recommended) | 1 | |
| **Procedure** | **Refer this link**  Microsoft Designer YouTube link –  <https://youtu.be/dJnj2d4m63A?si=L-LNkDSDq3DMevWg>  Canva Image Generator YouTube link –  <https://youtu.be/HJst07SVVok?si=Tfj82YLmlbHQ6_Az> |
| **Procedure to be performed by student** | **Introduction to Generative AI Tools**  **Objective**: Familiarize students with the tools they will be using.   * **Discussion**:   + Briefly explain what Generative AI is and its applications in content creation.   + Highlight the three tools: Microsoft Designer, Canva Image Generator, and Gravity Write.   **Use case- 1: Creating a Wildlife Poster Using Microsoft Designer**  **Steps**:   1. **Go to Microsoft Designer**:    * Visit [Microsoft Designer](https://designer.microsoft.com). 2. **Sign In**:    * Click on the "Sign In" button in the upper right corner.    * Enter your Microsoft account credentials to log in or create a new account if necessary. 3. **Start a New Project**:    * Once logged in, click on the "Create a design" button.    * Select "Poster" from the dropdown menu or the design options presented. 4. **Input Your Prompt**:    * In the design workspace, locate the text box that says "What do you want to create?".    * Enter the prompt: **“Create a poster about wildlife conservation in forests.”** 5. **Customize Your Design**:    * Browse through the AI-generated design options.    * Click on a design you like to open it.    * Use the editing tools on the left sidebar to adjust images, text, and colors.    * Add any additional elements you want, such as images of animals or conservation facts. 6. **Download Your Poster**:    * Once satisfied with your design, click on the "Download" button in the top right corner.    * Choose the format (e.g., PNG or PDF) and click “Download.”   **Use Case 2: Creating a Travel Brochure Using Microsoft Designer**  **Steps:**   1. **Go to Microsoft Designer:**    * Visit Microsoft Designer. 2. **Sign In:**    * Click on the "Sign In" button in the upper right corner.    * Enter your Microsoft account credentials to log in or create a new account if necessary. 3. **Start a New Project:**    * Once logged in, click on the "Create a design" button.    * Select "Brochure" from the dropdown menu or the design options presented. 4. **Input Your Prompt:**    * In the design workspace, locate the text box that says "What do you want to create?".    * Enter the prompt: “Create a travel brochure showcasing top destinations in Europe.” 5. **Customize Your Design:**    * Browse through the AI-generated design options.    * Click on a design you like to open it.    * Use the editing tools on the left sidebar to adjust images, text, and colors.    * Add any additional elements you want, such as destination images, travel tips, or itineraries. 6. **Download Your Brochure:**    * Once satisfied with your design, click on the "Download" button in the top right corner.    * Choose the format (e.g., PNG or PDF) and click “Download.”   **Use case 3: Generating an Image of an Ocean Ecosystem Using Canva Image Generator**  **Steps**:   1. **Go to Canva**:    * Visit [Canva](https://www.canva.com). 2. **Sign In**:    * Click on the "Log in" button in the upper right corner.    * Enter your email and password or use a social media account to log in. 3. **Start a New Design**:    * Click on the “Create a design” button in the top left corner.    * Select “Custom size” or choose a predefined size for your image (e.g., Instagram Post). 4. **Input Your Prompt**:    * On the left sidebar, find the “Apps” section and click on “Text to Image.”    * In the text box that appears, enter the prompt: **“Coral reefs filled with colorful fish and sea creatures in clear blue water.”**    * Click the "Generate Image" button. 5. **Customize Your Image**:    * Review the generated images and click on one that you like.    * You can adjust the image size, add text, or include additional elements from the left sidebar. 6. **Save Your Image**:    * Click on the "Share" button in the top right corner.    * Select “Download” and choose your preferred format, then click “Download.” |
| **Observation /analysis** | * **User Engagement:** Participants effectively engaged with generative AI tools. * **Creativity:** Diverse and imaginative outputs were created. * **Problem-Solving:** Students demonstrated adaptability in overcoming challenges with the tools. |
| **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 themed challenges with ingenuity. |
| **Experiment takeaways** | * **Proficiency:** Participants learned to use generative AI tools effectively. * **Creative Application:** They applied these tools creatively to solve specific challenges. * **Real-World Skills:** Participants gained insights into how AI can enhance design and creativity. |
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