**Title – MisGif: AI-Powered GIF Creation and Customization**

**Concept - AI-Enhanced GIF Personalization**

**Theory applied to experiment-** MisGif uses AI to personalize GIFs by allowing users to add their own photos or create new GIFs from text prompts. It offers a wide range of GIF templates across various categories, enabling users to insert their faces into popular GIFs and create fun, personalized content. By engaging with this tool, students will understand how AI can be used for image manipulation, customization, and entertainment.

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| **Materials required** | **Hardware Requirements:**   |  |  | | --- | --- | | **Components** | **Quantity** | | Computer or laptop with internet access | 1 |   **Software Requirements:**   |  |  | | --- | --- | | **Components** | **Quantity** | | Link- [MisGif](https://misgif.app/) | 1 | | Web browser (Google Chrome recommended) | 1 | |
| **Procedure** | **Refer this YouTube link**  [**https://youtu.be/N2W9VI0JvbQ**](https://youtu.be/N2W9VI0JvbQ) |
| **Procedure to be performed by student** | **1. Open MisGif App** • Navigate to [MisGif](https://misgif.app/). • Ensure you have access to a webcam or an uploaded image of yourself to personalize the GIF.    **2. Create an Account** • If you don’t have an account its okay here you can try free without account.  **3. Use Case 1: Select a GIF Template and Add Your Face** • Click the “Select Template” button. • Browse through various categories such as Avengers, Taylor Swift, or other trending options. • Once you’ve selected a category, choose a GIF template you want to customize. • Upload a photo of yourself (or take a selfie using your webcam). • The AI will automatically map your face onto the GIF template. • Preview the GIF to see your face in action.    **4. Use Case 2: Create Your Own GIF from Text Prompt** • Click the "Create New GIF" button. • Type a short description or text prompt for the GIF (e.g., "Dancing robot with a funky background"). • Select the animation style or theme from the provided options. • The AI will generate a custom GIF based on your text input. • Preview and refine the GIF by tweaking the text prompt if needed.    **5. Use Case 3: Share or Download Your Customized GIF** • After finalizing your personalized GIF, click the “Download” button to save it to your device. • Share your creation on social media or with classmates via a link.  **6. Experiment with Different Categories** • Explore different GIF categories like sports, movies, or memes. • Add your face to multiple GIFs and experiment with different themes for a variety of personalized content. |
| **Observation /analysis** | Students will observe how MisGif maps their faces onto popular GIF templates and how the AI creates new GIFs from text descriptions. They should note how the text inputs or image uploads affect the final output. |
| **Conclusion** | Students will conclude how MisGif allows users to quickly personalize GIFs, demonstrating the creative applications of AI in media and entertainment. |
| **Experiment takeaways** | • Students learn how AI can be applied to personalize visual content. • They will experience how different inputs (photos or text prompts) lead to unique GIF creations. • Students understand how AI can be used to customize and create entertaining, shareable media. |
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