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Semester -I   A.Y.2025-26   Sub.: – Artificial Intelligence Lab   Class: SE

Assignment 05: Assignment and practice of AI Image Generator

Theory: Introduction to AI Image Generators

1. 1. *What are AI Image Generators?*

AI Image Generators are models that create images from textual descriptions using deep learning techniques. These tools can generate photorealistic, abstract, or stylized visuals based on the user's prompts.

1.2 *Popular AI Image Tools*

- DALL·E (by OpenAI)

- Midjourney

- Stable Diffusion

- Leonardo AI

- Canva AI

- Adobe Firefly

1. 3. *Applications*

- Advertising and Marketing

- Book and Game Illustration

- Content Creation

- Branding and Logo Design

- Education and Storytelling

1.4 Limitations & Ethical Concerns

- Difficulty with text generation inside images

- Inaccuracy in human anatomy

- Potential misuse in misinformation

- Copyright and bias issues

Assignment Tasks

Task 1: Comparative Research

Compare at least 2 AI image generators (e.g., DALL·E vs Midjourney). Evaluate them based on:

- Image quality

- Prompt accuracy

- Style flexibility

- Usability

- Licensing & terms

Example: 'A steampunk city under moonlight with flying airships and glowing lanterns.'

Task 2: Visual Design Project

Choose one of the following projects:

- Create a poster for a fictional event or product

- Design a visual story using 3 image prompts

- Generate concept art for an educational topic

Practice Activity (If No Direct Access)

If you do not have access to Midjourney or paid AI tools:

- Use DALL·E from ChatGPT or Canva AI tools

- Generate visuals and save screenshots

- Use them to simulate a story, poster, or presentation