Assignment 05:

Assignment and practice of AI Image Generator

Assignment Tasks:

**Task 1: Comparative Research**

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

### **Prompt Used for Testing**

**"A steampunk city under moonlight with flying airships and glowing lanterns."**

## **Comparison: DALL·E vs Midjourney**

| **Criteria** | **DALL·E (OpenAI)** | **Midjourney** |
| --- | --- | --- |
| **Image Quality** | ✔️ High resolution with clean and realistic images.  ✔️ Well-suited for presentations and education.  ❌ Sometimes lacks fine detail in complex scenes. | ✔️ Extremely detailed, artistic, and cinematic quality.  ✔️ Often looks like digital paintings.  ✔️ Great lighting and composition. |
| **Prompt Accuracy** | ✔️ Interprets prompts accurately but sometimes plays it safe.  ❌ May ignore fine stylistic elements (like "steampunk"). | ✔️ Excels at capturing mood and style (e.g., “steampunk,” “moonlight,” etc.).  ✔️ Very responsive to abstract or artistic prompts. |
| **Style Flexibility** | ✔️ Supports a range of styles: photo-realistic, cartoon, sketch, etc.  ✔️ You can request "oil painting," "pencil sketch," etc. | ✔️ Very artistic by default.  ✔️ Can mimic a variety of art styles: anime, concept art, realism, fantasy, etc.  ❌ Harder to achieve plain photo style. |
| **Usability** | ✔️ Easy to use via ChatGPT or web.  ✔️ No technical skills required.  ✔️ Great for educators, students, casual users. | ❌ Requires Discord to use.  ❌ Has a learning curve for beginners.  ✔️ Power users can control output with advanced parameters. |
| **Licensing & Terms** | ✔️ Free with ChatGPT Plus.  ✔️ Commercial use allowed under OpenAI terms.  ❗ Outputs may still be flagged if inappropriate. | ❌ Requires a paid plan for full access.  ✔️ Commercial use allowed for paid users.  ❗ Ownership is shared depending on usage tier. |

## **Summary**

| **Tool** | **Best For** |
| --- | --- |
| **DALL·E** | Quick, simple, educational or business graphics. Beginner-friendly. |
| **Midjourney** | Professional-quality concept art, storytelling, fantasy/sci-fi visuals. Best for artists and designers. |

## **Conclusion**

* Use **DALL·E** if you need simple, accessible, and quick image generation.
* Choose **Midjourney** for rich, detailed, imaginative visuals – ideal for visual storytelling and design projects.

**Task 2: Visual Design Project**

* Generate concept art for an educational topic

