**Assignment 4**

**Aim**: Assignment and practice of SORA.

**Task 1**

Write a 300–500 word summary covering the following:

- What is SORA?

- Comparison with DALL·E or alternatives like Pika Labs or RunwayML

- Ethical considerations in video generation

**What is Sora?**  
 Sora is an advanced AI model developed by OpenAI that creates videos from text prompts. You can describe a scene using words — like “a cat jumping on a couch in the living room” — and Sora will generate a short video of that scene. It can handle realistic motion, lighting, and even complex environments, making it useful for storytelling, education, entertainment, and marketing.

**Comparison Between SORA and DALL·E or alternatives like Pika Labs or RunwayML:** DALL·E, also from OpenAI, creates images from text, but Sora goes further by creating full videos. It adds motion, time, and interaction between objects — for example, not just a picture of a car, but a video of the car driving through a city.

Compared to other video AI tools like Pika Labs and RunwayML:

* Sora creates more realistic and smooth videos.
* Pika Labs is great for fun, short clips, often with a creative or animated style.
* RunwayML is user-friendly and popular for editing and generating simple video content quickly.

Sora may also work closely with other OpenAI tools like ChatGPT, giving users a more complete creative experience.

Ethical Issues in Video Generation  
 While Sora and similar tools are powerful, they also raise some concerns:

* Fake Content: People might use AI to make videos that look real but are fake, which could be used to spread lies or create “deepfakes.”
* Privacy: Making videos that look like real people without their permission can be harmful and illegal.
* Bias: If the AI was trained on biased data, it might show unfair or harmful content.
* Ownership: It's unclear who owns the videos made by AI — the person who typed the prompt, the platform, or the developers?

To avoid harm, companies and users should be careful. This includes using watermarks, being transparent about AI-generated content, and not using the tech to trick or harm others.

Conclusion  
 Sora is a big step forward in video creation using AI. It’s powerful and opens up exciting possibilities, but it must be used responsibly to avoid misuse and protect people’s rights.

**Task 2:**

Prompt Engineering Practice

Write 5 creative prompts across diverse domains (education, entertainment, environment, technology, etc.).

Example: 'A 10-second animation of a plastic bottle drifting across an ocean with marine life swimming in the background.'

### **1. Education**

**Prompt:** *"Create a 20-second animated explainer showing how the water cycle works — starting with evaporation, then condensation, and ending with rainfall feeding a forest.*

### **2. Entertainment**

**Prompt:** *"Design a movie trailer-style video for a fantasy adventure game where a young hero discovers a glowing map that leads to a hidden sky kingdom guarded by dragons."*

### 

### **3. Environment**

**Prompt:** *"Generate a 15-second video showing the transformation of a barren urban rooftop into a lush green garden with birds, bees, and solar panels appearing gradually."*

### **4. Technology**

**Prompt:** *"Visualize a 10-second time-lapse of a smartphone evolving from a 1990s brick phone to a futuristic holographic device projecting a 3D interface."*

### **5. Health & Wellness**

**Prompt:** *"Create a short animation of a stressed person practicing deep breathing, where each inhale fills them with calming light and transforms their surroundings into a peaceful nature scene."*

**Task 3:**

AI + Creativity Simulation

Task 3: AI + Creativity Simulation

Choose a role such as a content creator, educator, or storyteller. Design a 15-second SORA video explaining one of the following:

- Climate Change

- Photosynthesis

- How AI Works- A Short Story with a Twist

Include your detailed prompt and a scene-by-scene breakdown.

### 

### **Detailed SORA Prompt:**

*"Create a 15-second animated short story: A lonely robot wanders through a post-apocalyptic city searching for life. It finds a glowing flower growing from a crack in the pavement. As it reaches out to touch it, the scene zooms out to reveal the city is actually a simulation running inside a child's computer game."*

### 

### 

### 

### 

### 

### **Scene-by-Scene Breakdown:**

### **Scene 1 (0–4 seconds):** Wide shot of a ruined, silent city with crumbling buildings and dust in the air. A rusty, humanoid **robot walks slowly** down the empty street, looking around.

### **Scene 2 (4–8 seconds):** The robot stops. Close-up: A **glowing blue flower** is growing through a crack in the pavement. The robot kneels down, gently reaches out with curiosity.

**Scene 3 (8–12 seconds):** Just as the robot touches the flower, the screen **glitches slightly**.  
 Suddenly, the camera **zooms out rapidly**.

**Scene 4 (12–15 seconds):** We now see the city and robots are inside a **computer screen**.  
 A young child sits smiling at their computer, playing a game called **“Robot Garden.”**

**Video Generated by AI :**