## **Practical4**

## **Task 1: Summary – Understanding SORA & Ethical AI Video Tools**

## **1. What is SORA?**

SORA is a cutting-edge AI tool from OpenAI that can turn text prompts into stunning, realistic videos just by typing a description. Imagine describing a scene like “a cat walking through a foggy forest” and having an AI bring it to life on screen. That’s what SORA does. It’s not just a simple animation tool, it understands motion, physics, and how things interact over time, so the videos it creates feel surprisingly real.

### **2.How Does It Compare to DALL·E, Pika Labs, or RunwayML?**

* **DALL·E** is also by OpenAI, but it’s made for images not videos. You type a prompt and get a still picture. It’s great for illustrations or concepts, but it stops at one frame.
* **Pika Labs** is more focused on short, stylish AI videos. Think quick, creative, social-media-ready clips. It’s user-friendly and geared toward creators who want cool visuals fast.
* **RunwayML** gives creators a set of AI-powered tools for video editing, generation, and more. It’s used in creative projects, music videos, and even film production.

SORA stands out because it combines high realism with a deep understanding of how the real world works in motion, something that's still rare in AI video generation.

### **3. Ethical Considerations**

With great power comes… potential misuse. Here are some concerns:

* **Fake videos**: It’s getting harder to tell what’s real. AI-generated deepfakes could be used to mislead or manipulate.
* **Consent**: If someone’s image or likeness is used in an AI video without their approval, that’s a serious issue.
* **Biases**: Like all AI, SORA can reflect harmful stereotypes if not properly monitored.
* **Misinformation**: The ability to produce convincing fake footage could be weaponized in politics, media, or scams.

Creators, platforms, and developers all have a role to play in using these tools responsibly.

## **Task 2: Creative Prompt Examples**

1. **Education**:  
    *“A close-up animation of water droplets evaporating from a leaf under sunlight, showing the process of transpiration.”*
2. **Entertainment**:  
    *“A space explorer dancing in low gravity on the moon, with Earth visible in the background and funky retro music playing.”*
3. **Environment**:  
    *“The melting icebergs while a time-lapse sun sets in the background, symbolizing climate change.”*
4. **Technology**:  
    *“A time-lapse of a smart city lighting up at night, with drones flying and self-driving cars moving through clean, green streets.”*
5. **History**:  
    *“A quick journey through time showing how the telephone evolved from the rotary dial to the first mobile phone to today’s smartphones.”*

## **Task 3: AI + Creativity Simulation**

### **Role: Educator**

### **Topic: Climate Change**

### **Title: *“The Story of a Warming World”* (15-second explainer**

### **video)**

**Prompt for SORA:**

*"A 15-second animated video showing the effects of climate change over time. Start with a lush green forest and clear skies, then show rising temperatures and melting ice caps, followed by wildfires and floods affecting animals and people. End with hopeful images of clean energy sources and reforestation. Use soft transitions, emotional music, and minimal text overlays like 'Rising Temps', 'Nature in Danger', and 'Act Now'."*

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

#### **Scene 1 (0–5 seconds): The Before**

* **Visual**: A peaceful Earth scene—a green forest, animals roaming freely, and clear skies.
* **Mood**: Calm, warm tones, birds chirping.
* **Text Overlay**: *“Once, the planet thrived…”*

#### **Scene 2 (5–10 seconds): The Shift**

* **Visual**: Gradual transformation—heatwaves distort the air, icebergs begin to melt, forest fires burn in the background, and flooding reaches coastal homes.
* **Mood**: Tense, darker tones, urgent music kicks in.
* **Text Overlays**: *“Rising Temps”*, *“Nature in Danger”*

#### **Scene 3 (10–15 seconds): The Hope**

* **Visual**: Quick shift to hopeful imagery—solar panels, wind turbines spinning, trees being planted, people riding bikes and cleaning up a beach.
* **Mood**: Bright and uplifting.
* **Text Overlay**: *“Act Now”*