

Name: Elysée NIYIBIZI.

**Reg №**: 2305000921.

**Department:** Computer Science.

**Date:** 10<sup>th</sup> April 2025.

### MODULE: MULTIMEDIA & COMPUTER GRAPHICS

## **Assignment**

Identify three novel applications of the Internet or multimedia applications. And discuss why Adobe Photoshop is commonly used today as the photo editing software...

## The Three Novel Applications of the Internet or Multimedia Applications

#### 1. Virtual Museums and Cultural Experiences

#### **Description:**

With platforms like Google Arts & Culture, people can explore museum exhibits, artworks, and historical landmarks virtually through high-resolution imagery, 360° views, and interactive guides.

#### Why It's Novel:

- Makes art and culture accessible globally, especially to those in remote areas.
- Encourages digital preservation of fragile artifacts and sites.
- Enhances education and tourism through immersive, multimedia-rich content.

#### 2. Smart Classrooms and eLearning Platforms

#### **Description:**

Tools like Moodle, Google Classroom, and multimedia content platforms such as YouTube or Coursera use videos, animations, interactive quizzes, and VR/AR to enhance learning.

#### Why It's Novel:

- Turns passive learning into an interactive experience.
- Supports various learning styles through text, audio, and video.
- Enables remote education and flexible, self-paced learning.

#### 3. Interactive Journalism and Digital Storytelling

#### **Description:**

Modern journalism uses multimedia (videos, infographics, soundscapes, interactive maps) to enhance storytelling. Examples include NYTimes' interactive pieces or Al Jazeera's immersive reports.

#### Why It's Novel:

- Engages readers through emotionally resonant, visually rich storytelling.
- Improves comprehension of complex topics (e.g., war, climate change).
- Encourages audience participation and data exploration.

# Why Adobe Photoshop Is Commonly Used Today as Photo Editing Software

#### 1. Professional-Grade Tools and Flexibility

- Layering system: Allows multiple layers of edits and designs without affecting the original image.
- Advanced tools: Includes content-aware fill, healing brush, clone stamp, liquify, and smart objects for non-destructive editing.
- Supports vector and raster editing, which gives designers flexibility for different kinds of creative work.

#### 2. Industry Standard Across Creative Fields

- Widely used in photography, web and graphic design, advertising, fashion, and publishing.
- Its .psd file format is accepted by most design software for seamless integration.
- Professionals often list Photoshop proficiency as a key skill in job descriptions.

#### 3. AI & Machine Learning Integration

- Features like **Neural Filters** for facial adjustments, **Sky Replacement**, and **Subject/Object Select** enhance productivity and creativity.
- Automates complex edits in seconds with minimal effort, useful for professionals and casual users alike.

#### 4. Creative Cloud Integration & Ecosystem

- Seamless collaboration with other Adobe apps like **Illustrator**, **Lightroom**, **Premiere Pro**, and **After Effects**.
- Cloud saving, version history, and mobile support make it more accessible and secure.
- Supports real-time collaboration and syncing across devices.

#### **5. Community, Tutorials, and Learning Resources**

- Massive global user base leads to extensive tutorials, forums, templates, and plugins.
- Both **beginners** and **professionals** can find material tailored to their level.