

**Name:** Elysée NIYIBIZI.

**Reg №:** 2305000921.

**Department:** Computer Science.

**Date:** 10th 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.

1. **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.