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1. Audio visual center, mixing equipment, Editing facilities center and Media Studio

Atmiya University's **Audio-Visual Center**, **Editing Facilities Center**, and **Media Studio** are designed to cater to the growing need for high-quality digital content in education and professional media. Equipped with cutting-edge technology and supported by advanced software like **OBS (Open Broadcaster Software)** for post-production, these facilities are tailored to meet modern standards of multimedia production and e-content development.

Purpose

1. **E-Content Development**
   o To create engaging and professional-quality educational content for online courses, video lectures, and tutorials.
   o To develop content for Massive Open Online Courses (MOOCs), flipped classrooms, and hybrid learning environments.
2. **Skill Development and Training**
   o To train students and faculty in media production and post-production using professional equipment and software.
   o To provide hands-on experience in live streaming, video editing, and broadcast-quality content creation.
3. **Enhancing Digital Learning**
   o To create multimedia resources that make learning more interactive and accessible.
   o To support real-time broadcasting of lectures, webinars, and institutional events.
4. **Institutional Branding and Outreach**
   o To produce promotional content, event highlights, and institutional documentaries for enhancing Atmiya University's visibility and reach.

Utility of Equipment

1. Audio-Visual Equipment

- **Cameras and Accessories (Studio Flash Light, UV Filters, Memory Cards, Camera Batteries):** Used for capturing high-resolution videos and photos for academic and creative projects. Accessories improve lighting, lens protection, and image quality.
- **Gimbal:** Ensures smooth, professional-quality handheld footage, ideal for dynamic shooting situations.
- **Handheld Camcorder:** Lightweight and portable for field recordings, interviews, and quick video coverage.

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- **Video Bag and Sungun Umbrella Adapters:** Provide portability and adaptability for both indoor and outdoor shoots.

2. Lighting and Stability Equipment

- **Diffusion Dome Kit with Adapters:** Softens lighting to achieve professional results, eliminating harsh shadows and overexposure.
- **504HD Fluid Video Head & 546 GBK Tripod:** Offers stability for precise and smooth video recording, critical for both stationary and panning shots.
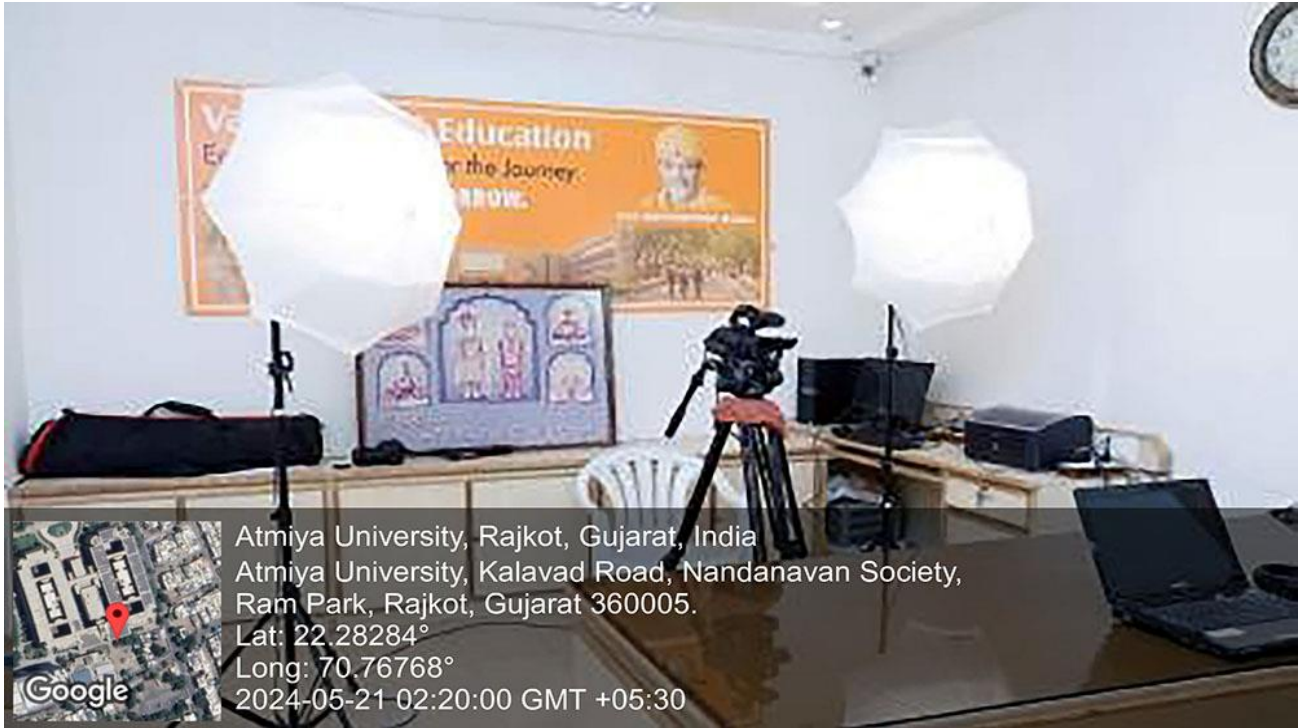
3. Audio Equipment

- **Speakers and 12-Channel Mixer:** Essential for mixing, adjusting, and producing high-quality audio in videos.
- **HDMI Extender & Switcher, Speaker Wire:** Facilitates seamless connectivity and setup for large-scale audio-visual systems.

4. Editing and Storage Facilities

- **Computer Systems and OBS Software:**
  - **OBS Studio** is used for live streaming, screen recording, and post-production editing.
  - Advanced editing capabilities enable transitions, overlays, and fine-tuning video and audio outputs.
- **Printers:** For documentation, scripting, and physical outputs related to media projects.
- **Internal and External Hard Drives (4TB, 1TB):** Provide ample storage for large video files, raw footage, and edited projects.

Atmiya University's **Audio-Visual Center**, **Editing Facilities**, and **Media Studio**, combined with the capabilities of OBS software, offer a comprehensive ecosystem for media production and e-content development. These facilities serve as a foundation for academic innovation, professional development, and institutional growth.

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Audio Visual Center Equipments

Computer System	Mixing equipment

Camcorder	Camera

Sungun Umbrella	Studio Flash Light

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External Hard Disk Drive (4TB)	Gimbal
Trigger	**Sungun Umbrella Adapter & Tripod**
Memory Card	**Camera Battery**

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Video Editing Facilities

OBS Studio - Software for editing

OBS Studio, short for Open Broadcaster Software Studio, is a versatile and powerful open-source software that can greatly enhance the lecture recording process in University. It provides tools to create professional-quality video presentations, tutorials, and live streams, making it an invaluable resource for modern education. Here's an introduction to OBS Studio and its key features for lecture recording:

Key Features:

1. **Multi-Platform Compatibility:** OBS Studio is compatible with Windows, macOS, and Linux, making it accessible to a wide range of users and devices.
2. **Open Source:** Being open-source software, OBS Studio is free to use, and its community actively contributes to its development and improvement.
3. **Customizable Workspace:** Users can customize the OBS Studio interface to suit their preferences, rearranging and resizing elements as needed.
4. **Multiple Audio and Video Sources:** OBS Studio supports various audio and video sources, such as webcams, microphones, images, screen capture, and more, allowing for flexible lecture recording setups.
5. **Scene Composition:** Users can create and manage different scenes, each with its own combination of sources and settings. This feature is especially useful for switching between different lecture views or presentations seamlessly.
6. **Transitions:** OBS Studio offers a range of transition effects for scene switches, providing a polished and professional look to lecture recordings.
7. **Studio Mode:** This mode enables presenters to preview scenes before switching them live, ensuring a smooth and error-free presentation.
8. **Audio Mixing:** The software allows for real-time audio mixing, ideal for adjusting microphone levels, background music, or sound effects during lectures.
9. **Recording and Streaming:** OBS Studio can simultaneously record lectures for later viewing and stream them live, providing an interactive learning experience for remote or online students.
10. **Video Encoding:** It supports various video encoding formats, including popular options like H.264 and H.265, ensuring high-quality output while keeping file sizes manageable.
11. **Customizable Hotkeys:** Users can assign hotkeys to various functions, simplifying the control of the software during a lecture.

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12. **Plugins and Extensions:** OBS Studio offers a range of plugins and extensions developed by the community, allowing for further customization and functionality enhancements.

Advantages:

1. **Enhanced Visuals:** OBS Studio enables lecturers to create visually engaging presentations by incorporating multimedia elements, screen sharing, and dynamic scene transitions.
2. **Interactive Learning:** The ability to stream live lectures promotes real-time interaction with remote students through chat and Q&A sessions.
3. **Flexibility:** Lecturers can record lectures in advance, allowing for flexible scheduling and ensuring that students can access content at their convenience.
4. **Cost-Efficiency:** As open-source software, OBS Studio reduces the need for expensive proprietary recording solutions.
5. **Community Support:** The OBS Studio community provides ample resources, tutorials, and troubleshooting assistance to help educators make the most of the software.

Incorporating OBS Studio into the lecture recording process empowers educators to deliver high-quality, engaging, and interactive content to students, whether in traditional classrooms or virtual learning environments. Its user-friendly interface and feature-rich capabilities make it a valuable tool for modern educational institutions.
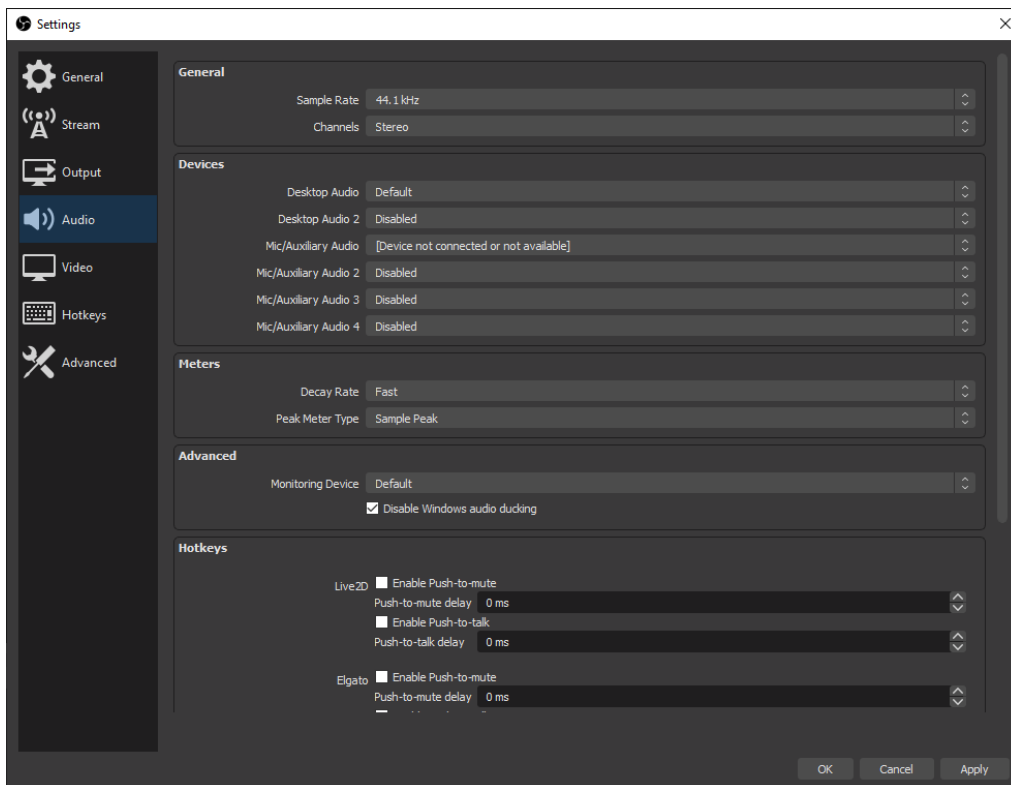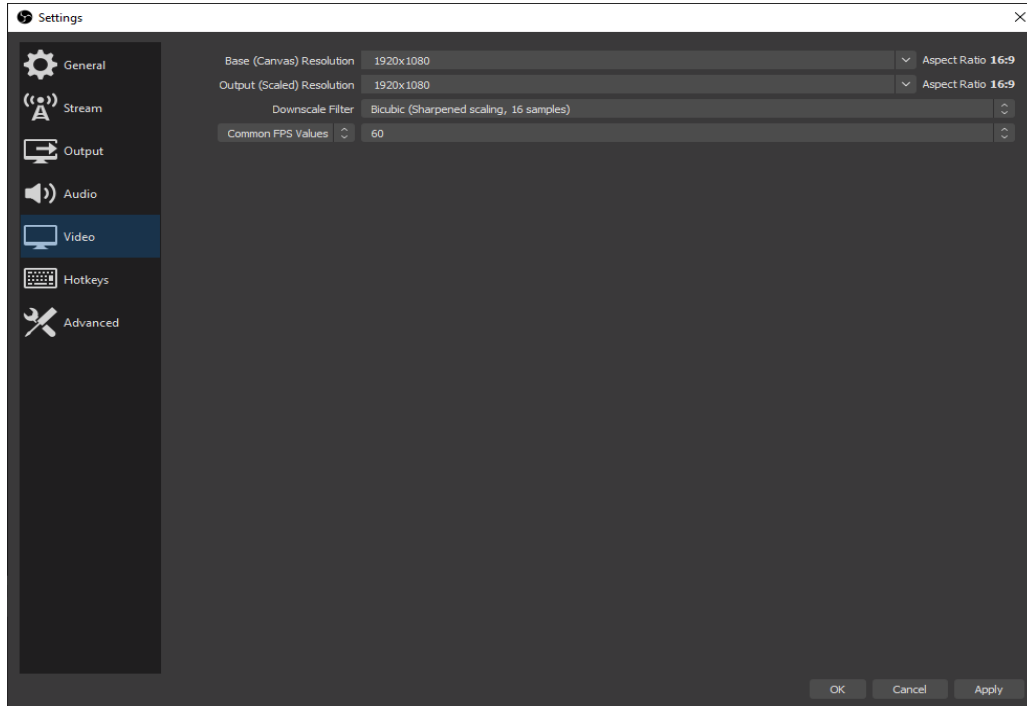
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General
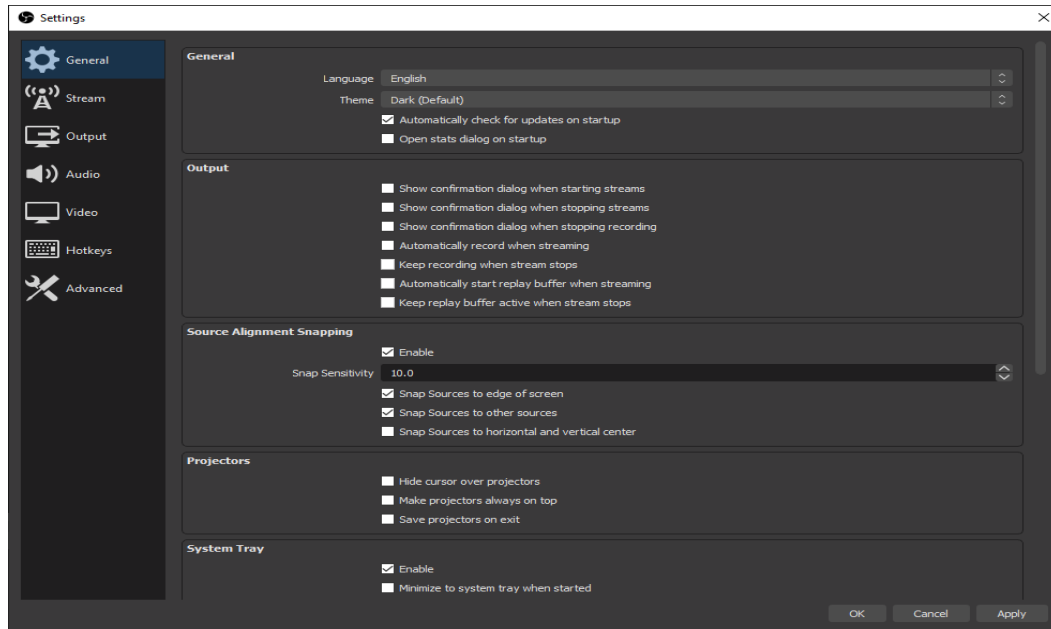
Stream

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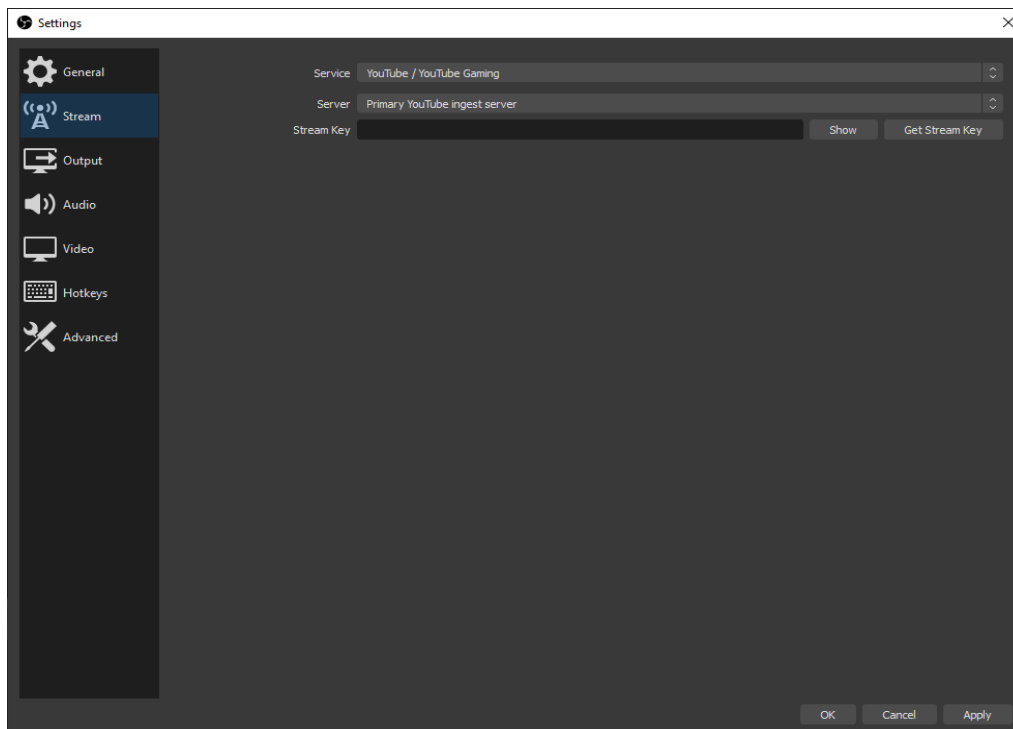
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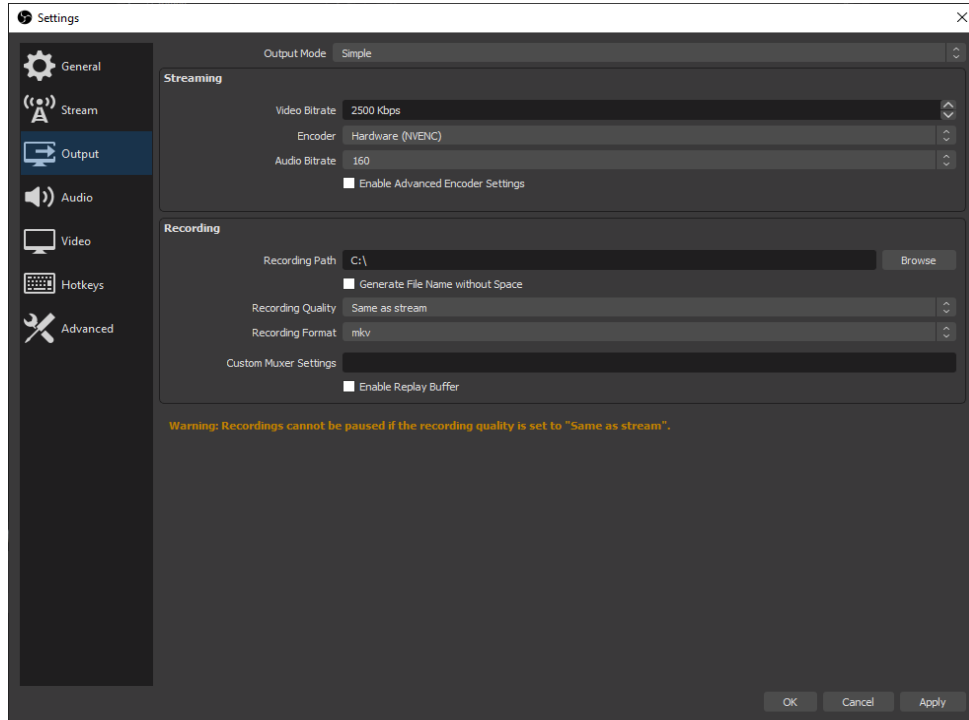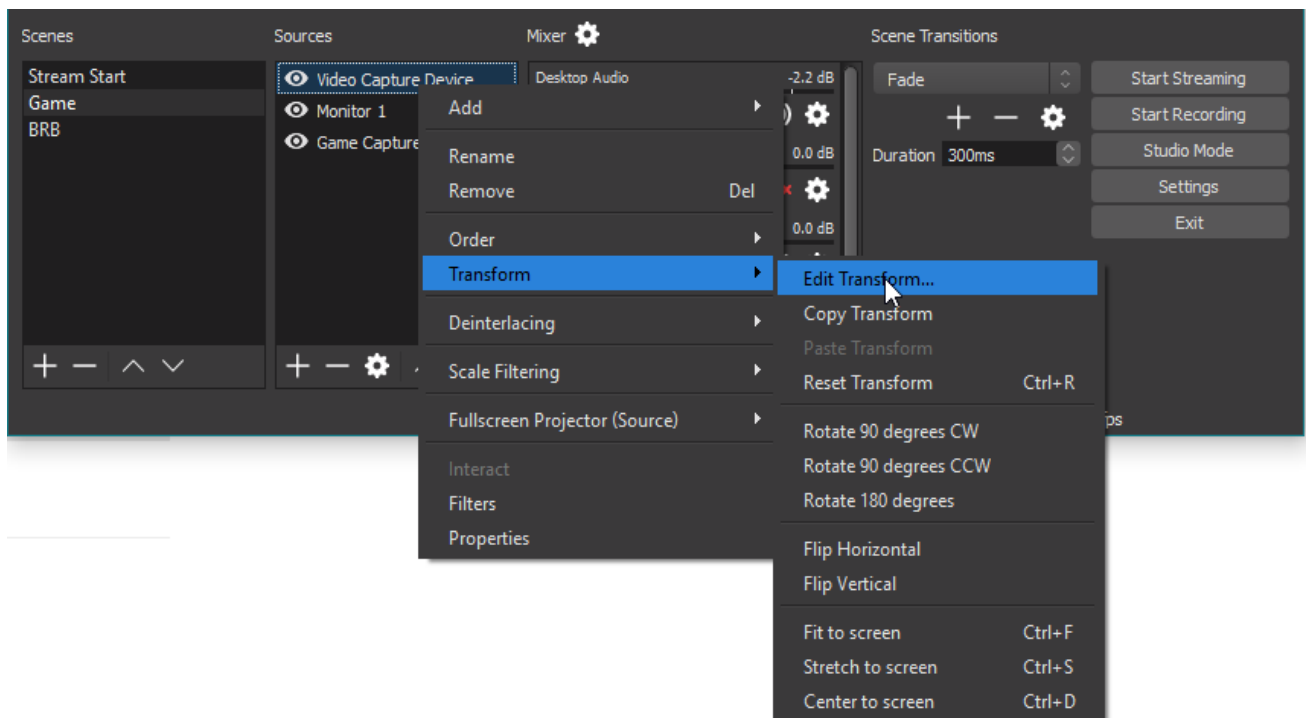

Audio

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Video

Hotkeys

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Advanced
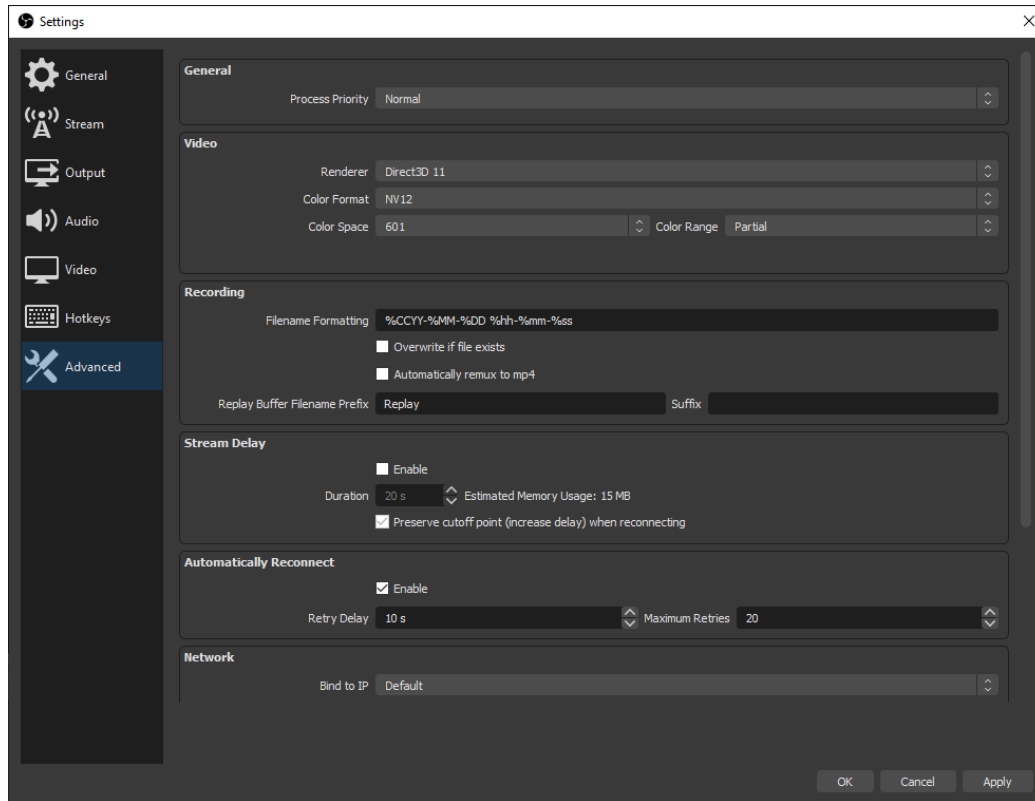
Scenes and Sources

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Visible:

Hidden:

ATMIYA UNIVERSITY

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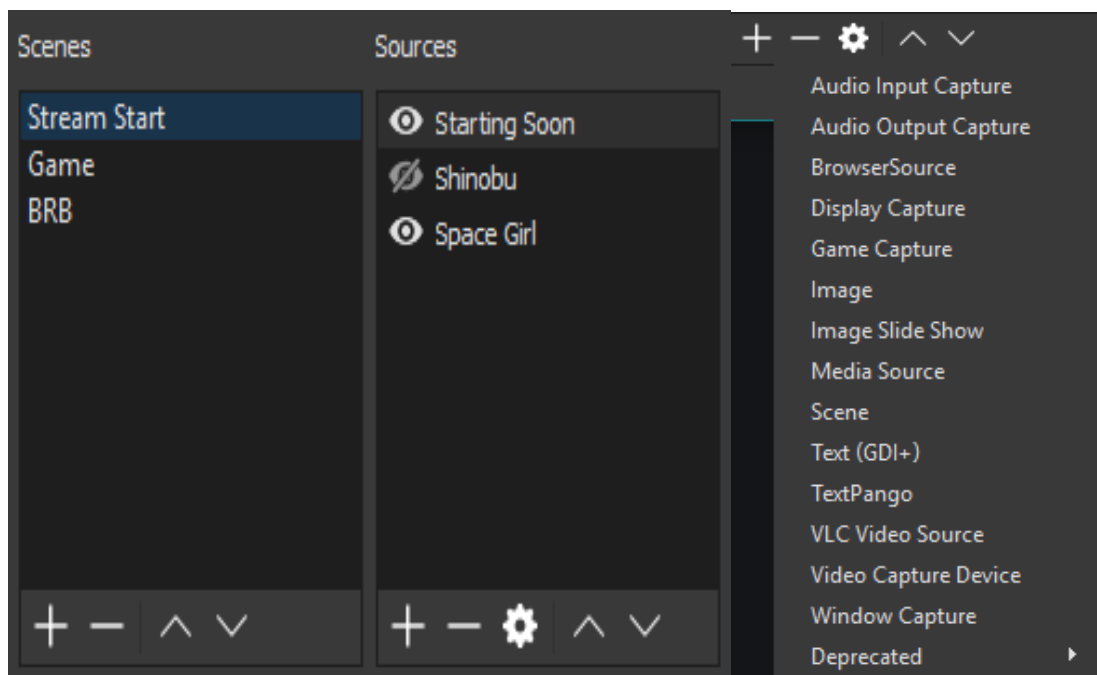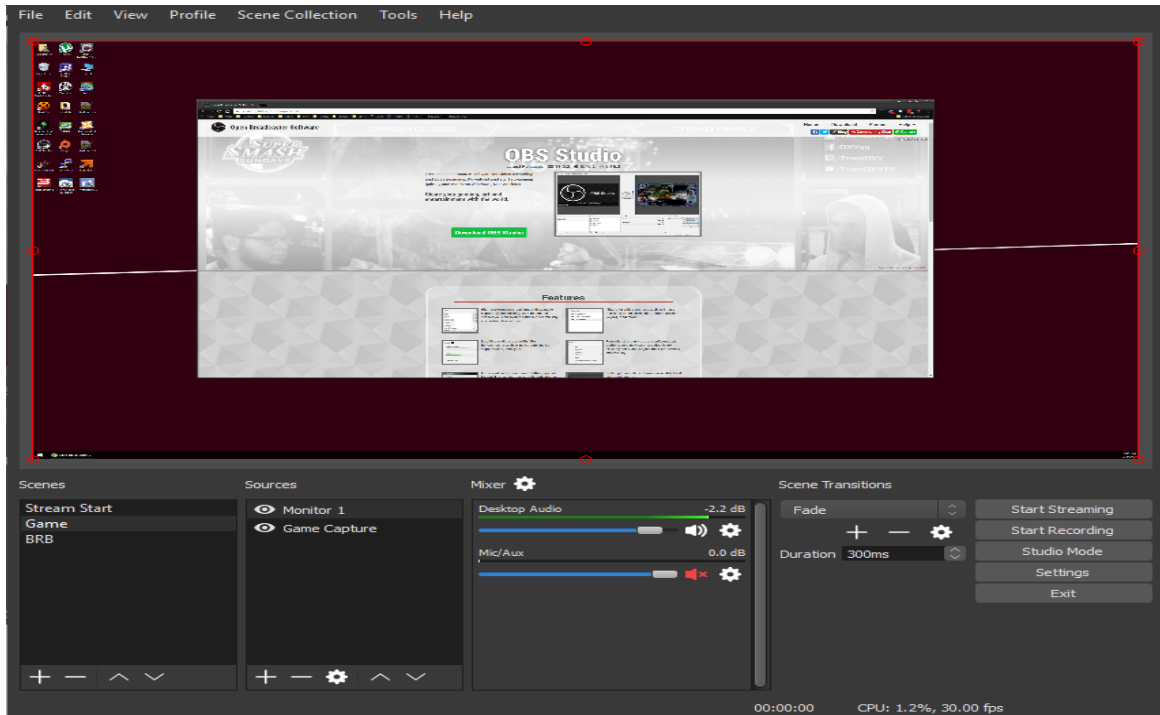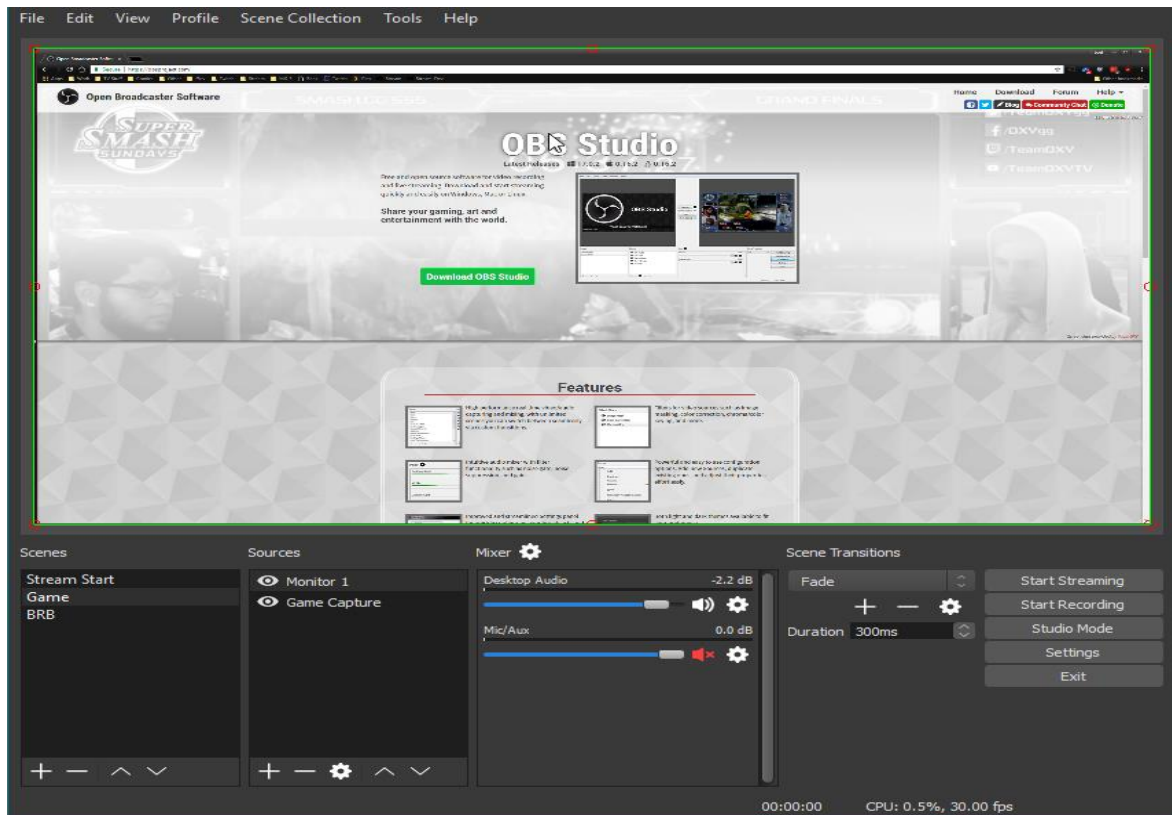
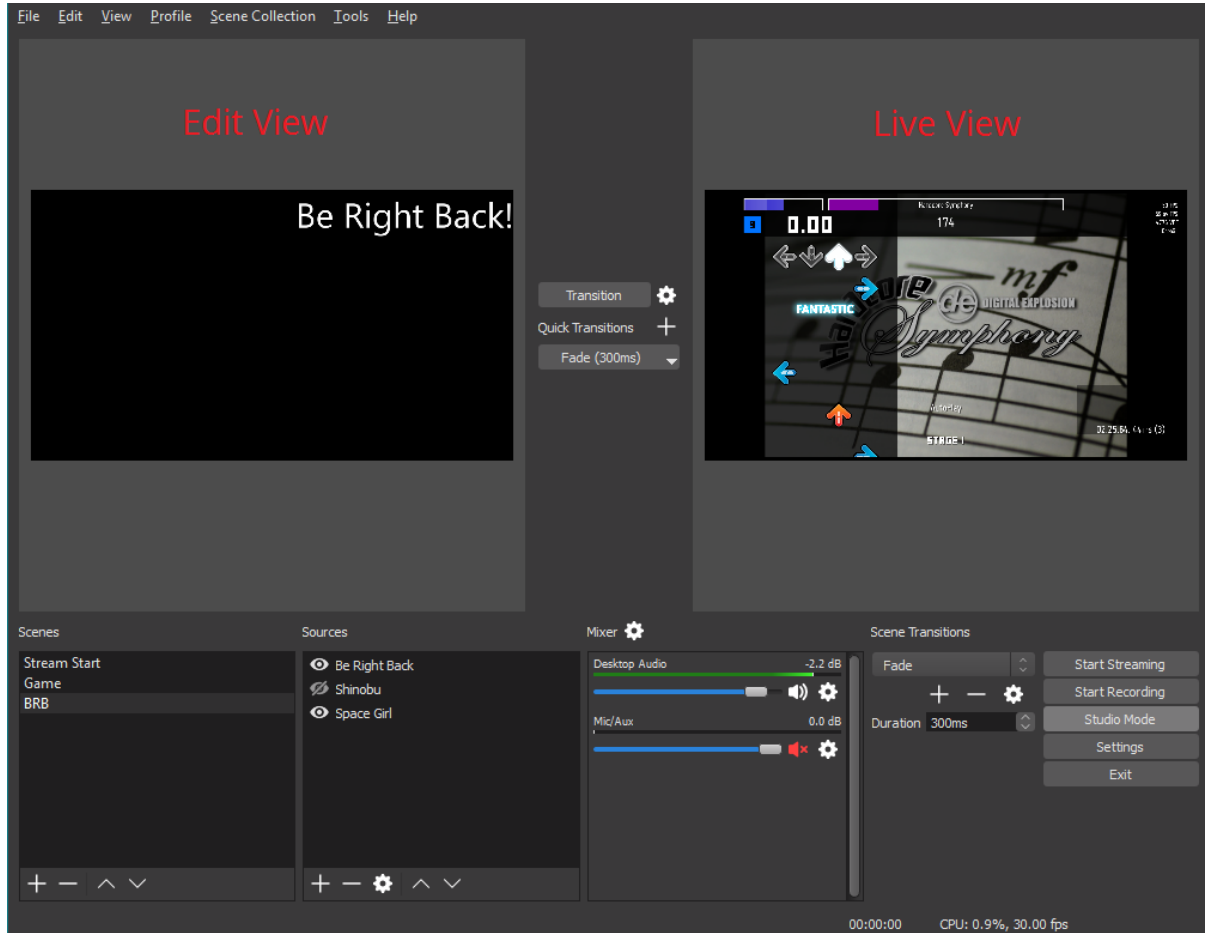## Edit Transform menu
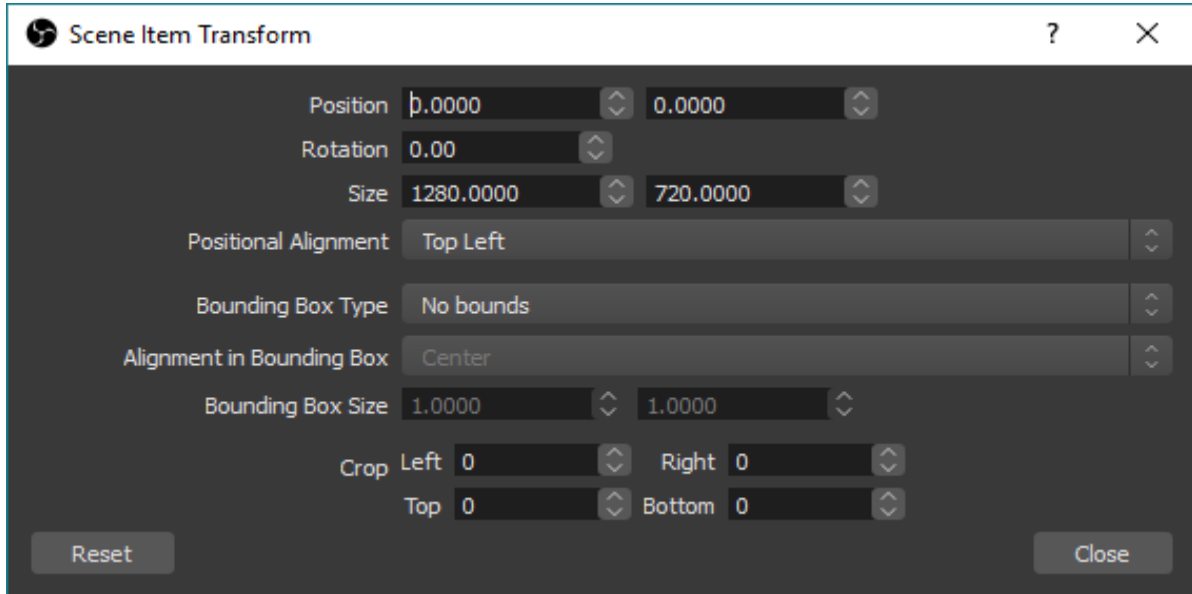
Filters

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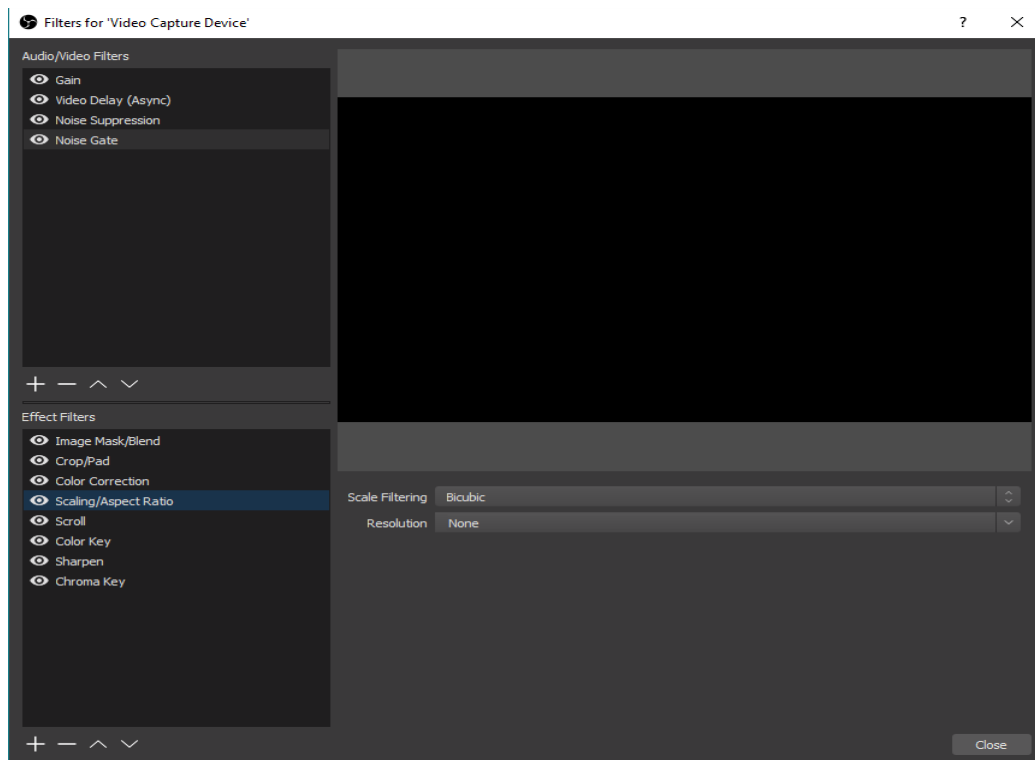
Studio Mode

Registrar
Atmiya University
Rajkot