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Anekant Education Society's

**TULJARAM CHATURCHAND COLLEGE**  
of Arts, Science and Commerce, Baramati - 413102.

Dist. Pune. Maharashtra, India.

**Empowered Autonomous Status**

Religious Minority Institute

NAAC Reaccredited 'A+' Grade, CGPA 3.55

**NAAC-SSR**

**Cycle IV**

**2019 - 2024**

## Criterion - IV: Infrastructure and Learning Resources

**4.3.3 Q1M Institution has dedicated audio visual center, mixing equipment, editing facility, media studio, lecture capturing system (LCS) and related hardware and software for e-content development.**

### Lecture Capturing System (LCS)

Here is a step-by-step procedure for using the Lecture Capturing System (LCS) for e-content development in TuljaramChaturchand College's media centre:

#### 1. Pre-Production Preparation

- ❖ **Script and Presentation Preparation:** Faculty prepares their lecture content, which may include PowerPoint presentations, notes, and supplementary materials. For smooth delivery, a teleprompter is available.
- ❖ **Studio Setup:** Depending on the nature of the recording (audio-visual or just voice), studio staff assist with setting up the necessary equipment, such as microphones, cameras, lighting, and teleprompters.
- ❖ **Camera Setup:** Choose the appropriate camera, like the Sony NX5R or Canon XF 305, and adjust the settings for optimal recording quality.
- ❖ **Sound Check:** Test the microphones (Rode, Shure, Sennheiser) for clear and high-quality audio. Adjust the Soundcraft EFX 12 Mixer to achieve the desired audio levels.

#### 2. Recording Process

- ❖ **Lecture Delivery:** The lecture is delivered with the support of a teleprompter, and recorded using professional cameras. For video tutorials or demonstrations, the use of green screen (chroma) setups may be applied to incorporate dynamic visuals.
- ❖ **Simultaneous Audio Capture:** Audio is recorded in parallel using high-quality equipment, including the Zoom Sound Recorder for clear voice capture.
- ❖ **Multi-Camera Setup:** If needed, multiple camera angles can be used to make the content more engaging, with the Sony MCS 8MMUTI Format Compact Switcher facilitating seamless transitions between camera views.



### 3. Post-Production

- ❖ **Editing:** Once the lecture is recorded, it is transferred to the V. Shantaram Post-Production Studio, where the team uses Final Cut Pro for video editing. This includes trimming, color correction, sound synchronization, and adding any visual aids or PowerPoint presentations to the video.
- ❖ **Mixing Audio:** The audio is further refined using the Crown XLS 1002 Power Amplifiers to ensure clarity and consistency.
- ❖ **Dubbing or Voice-Over (if needed):** If any additional narration is required, it can be recorded in the LataMangeshkar Dubbing Lab and incorporated into the video.
- ❖ **Quality Check:** After editing, the final product undergoes a quality check to ensure that audio, visuals, and all supplementary content are properly synced and of professional quality.

### 4. Content Distribution

- ❖ **Platform Upload:** The final edited lecture is uploaded to platforms such as YouTube. Faculty can share links via Google Classroom, providing students with easy access to the content.
- ❖ **Supplementary Materials:** Instructors can upload additional resources such as PowerPoint slides, reading materials, and quizzes on Google Classroom to enhance learning.
- ❖ **Mobile Accessibility:** Content is made mobile-friendly using apps to ensure students can access it on various devices.

### 5. Feedback and Iteration

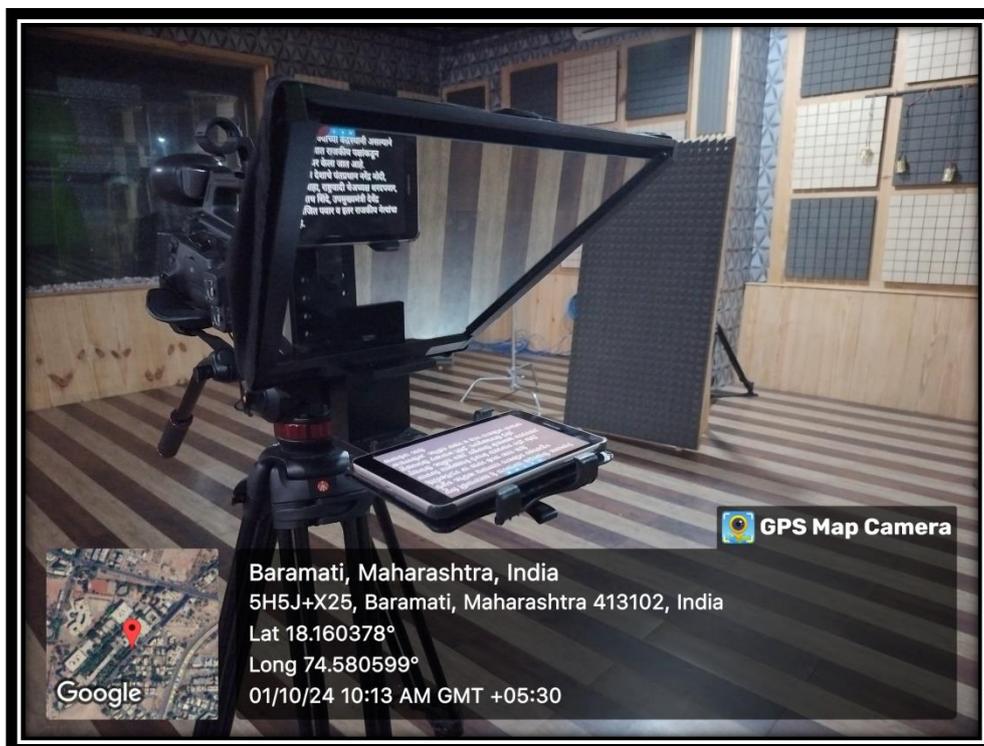
- ❖ **Student Interaction:** Students can engage with the content, leave comments, and ask questions through Google Classroom.
- ❖ **Improvement:** Based on feedback from students, faculty can refine future lectures, improving the quality of e-content over time.



## Recording process of Lecture (Lecture Capturing System)



## Use of teleprompter and Camera to Record Lecture (Lecture Capturing System)



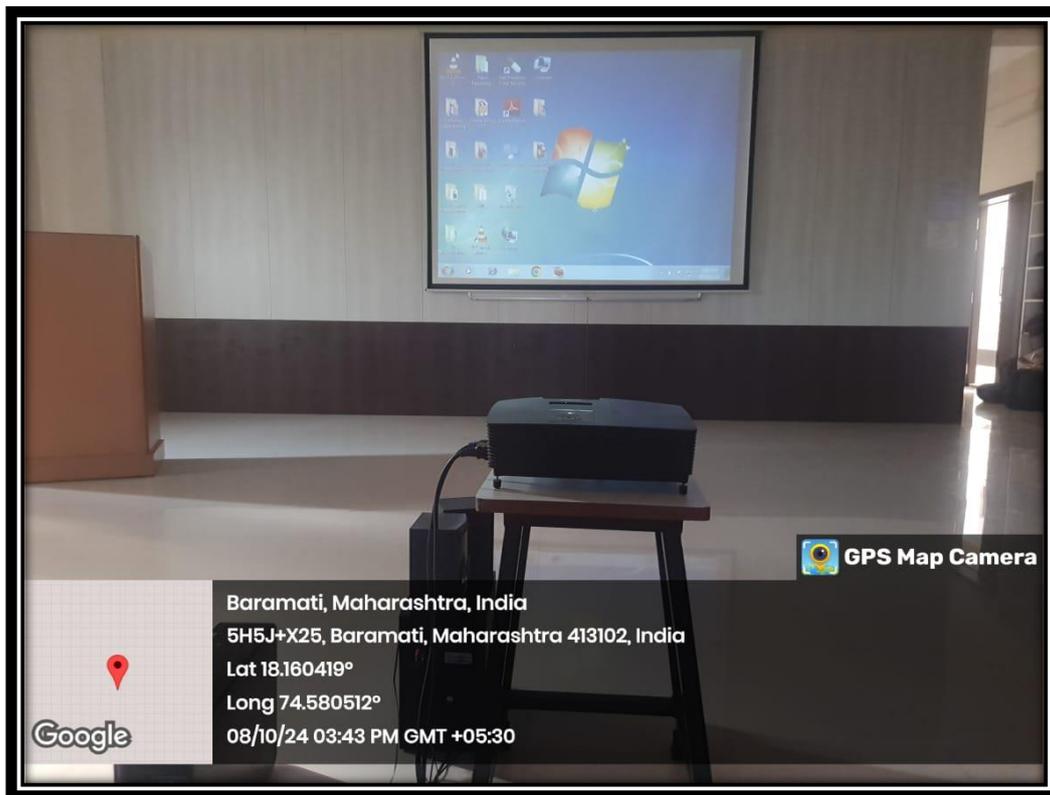
## Use of Lights and All Acoustics Atmosphere to record Lecture



## Use of Lights and All Acoustics Atmosphere to record Lecture



## Project and Screen for E-content



## Editing & finalization Process

