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## 2. Lecture Capturing System (LCS)

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| 3 | Post Production facility and Editing Software | 12 |

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The **Lecture Capturing System (LCS)** at Atmiya University is a robust and integrated solution that combines modern technology with innovative teaching methodologies to enhance digital education. Utilizing its **Audio-Visual Center**, **Editing Facilities**, and **Media Studio**, the university has developed a system that facilitates high-quality content creation, real-time learning, and seamless e-content dissemination.

This system incorporates advanced tools like **Smart Boards, Projector Screens, Green Screens, and Blackboards**, alongside platforms like **Webex** for interactive sessions and collaboration. The result is a dynamic and impactful ecosystem that empowers faculty to create, record, and publish e-content across various platforms.

**Key Components of the Lecture Capturing System**

**1. Audio-Visual Tools for Content Recording**

- **Smart Boards:**
  - Interactive displays for dynamic presentations and annotation during lectures.
  - Enable digital writing, real-time diagrams, and multimedia integration.
- **Projector Screens:**
  - Enhance visual clarity for in-person and recorded lectures.
  - Support large-scale displays of educational content, presentations, and simulations.
- **Green Screen Technology:**
  - Facilitates virtual backgrounds and immersive visuals for e-content.
  - Ideal for creating engaging content with custom environments or visual effects.
- **Traditional Blackboards:**
  - Incorporated for a traditional touch, ensuring a natural teaching flow in recordings.

**2. Advanced Media Production Equipment**

- High-resolution **cameras** and **tripods** ensure stable and professional video recordings.
- **Studio lights, diffusion domes, and UV filters** optimize lighting conditions, creating visually appealing content.
- **Gimbal and handheld camcorders** offer flexibility for dynamic shots and mobility during recordings.

**3. Webex Platform for Collaboration**

Atmiya University uses **Webex**, a licensed and comprehensive platform, for:

- **Online Meetings:** Real-time virtual lectures and discussions with students and faculty.
- **Webinars:** Large-scale interactive sessions with external experts and participants.
- **Team Collaboration:** Faculty and staff use Webex for planning, sharing resources, and project collaboration.

**4. Editing and Post-Production**

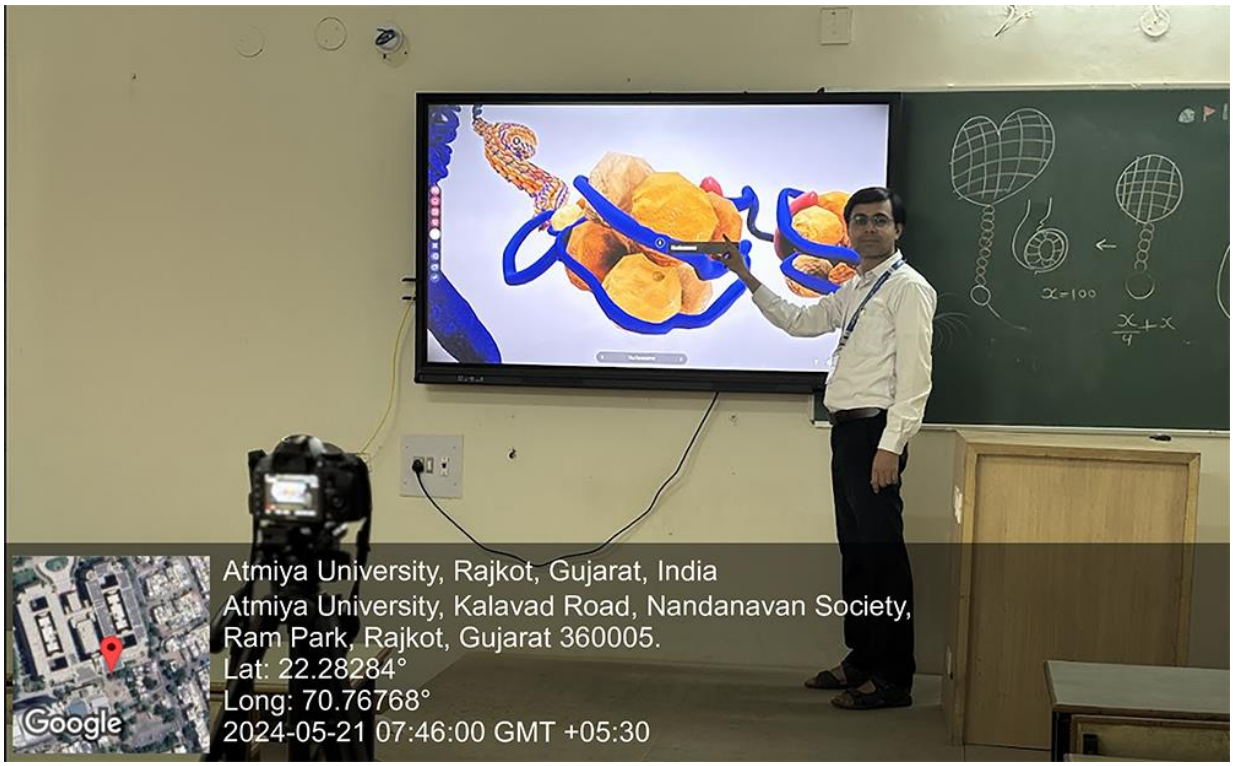
- Faculty use tools like **OBS Studio** and the university's **editing facilities** for:
  - Polishing lecture recordings with transitions, graphics, and overlays.
  - Removing errors and adding explanatory visuals to enhance clarity.
- **External and internal hard drives** ensure secure storage and quick access to raw and processed content.

**5. Institutional LMS and Publishing Platforms**

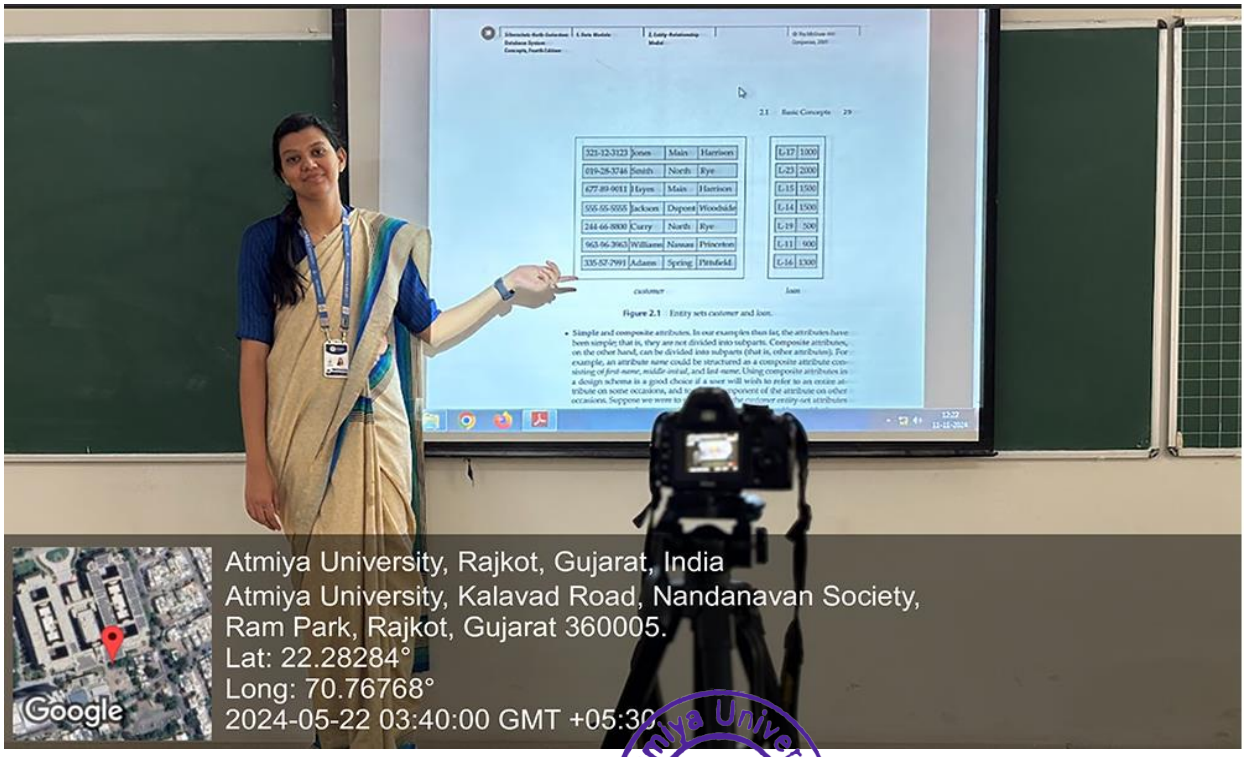
The finalized e-content is uploaded and shared across diverse platforms, ensuring widespread access:

- **SWAYAM (NPTEL):** 35 e-contents published for nationwide access.
- **MOOCs (Udemy):** 2 courses offering professional training and certifications.
- **MOOCs (YouTube):** 83 educational videos for global audiences.
- **Government Initiatives:** 2 e-contents supporting state or national projects.
- **Institutional LMS:** 11 contents accessible exclusively for Atmiya University students.

**Smart Board**



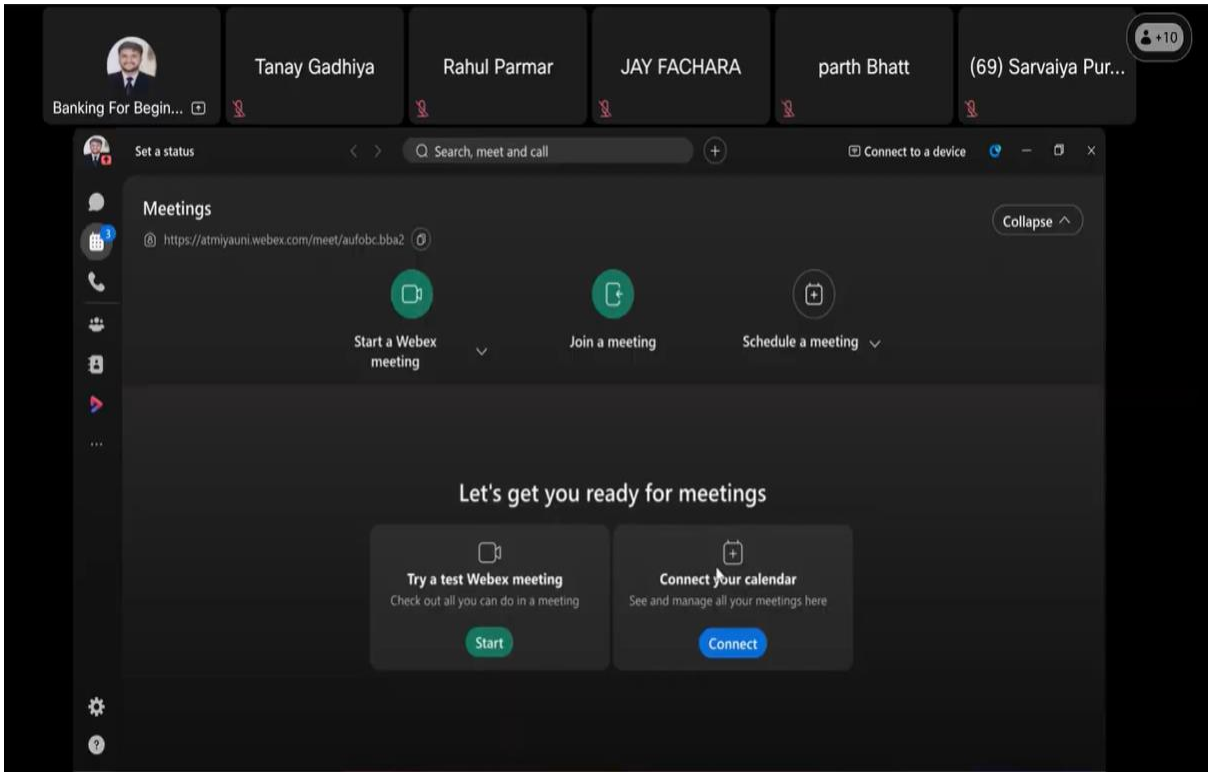

**Projector Screen**



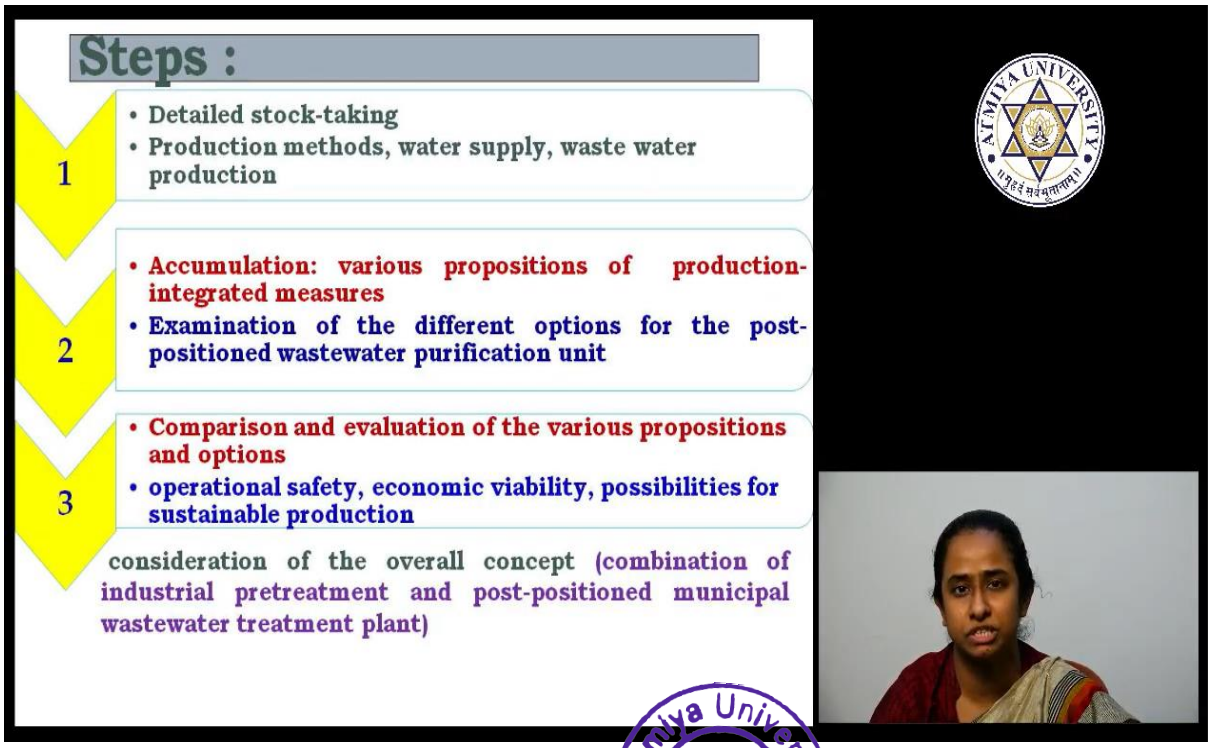
**Green Screen**

**Webex Software**

**Webex Software**




**Webex Software**



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**Webex - Online Meeting Platform (licenced software)**

Atmiya University has Webex, a comprehensive licenced platform for online meetings, webinars, team collaboration, and more. Here are some of its key features:

**1. Meeting and Video Conferencing Capabilities**

- **HD Video & Audio**: Webex provides high-definition video and audio to ensure clear communication.
- **Screen Sharing**: Users can share their screens easily, facilitating presentations, collaborative work, and demonstrations.
- **Interactive Whiteboards**: Real-time drawing and annotations on a shared digital whiteboard enhance interaction and engagement.
- **Breakout Rooms**: Meeting hosts can create breakout sessions for smaller group discussions within larger meetings.

**2. Collaboration Tools**

- **Messaging & Chat**: Both during and outside of meetings, users can send direct messages, group messages, and share files within a secure environment.
- **File Sharing & Management**: Files can be uploaded, stored, and accessed within Webex spaces, enabling efficient document sharing.
- **Task Management**: Assign tasks and set deadlines within Webex to manage projects and collaboration more effectively.

**3. Scheduling & Integration**

- **Calendar Integration**: Integrates with Microsoft Outlook, Google Calendar, and others for seamless meeting scheduling.
- **App Integrations**: Connects with third-party tools like Microsoft Teams, Slack, Google Drive, Salesforce, and Trello to support workflow integration.
- **Personal Meeting Rooms**: Users can set up unique URLs for meetings, enabling easy access to recurring meetings or virtual office hours.

**4. Webinars and Events**

- **Large-Scale Webinars**: Webex allows large-scale events and webinars that can host thousands of participants.
- **Audience Engagement Tools**: Polls, Q&A, and chat moderation enable better engagement and interactivity with the audience.
- **Event Analytics**: Provides insights on participant engagement, attendance, and other metrics useful for assessing the impact of events.

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**5. Security and Privacy**

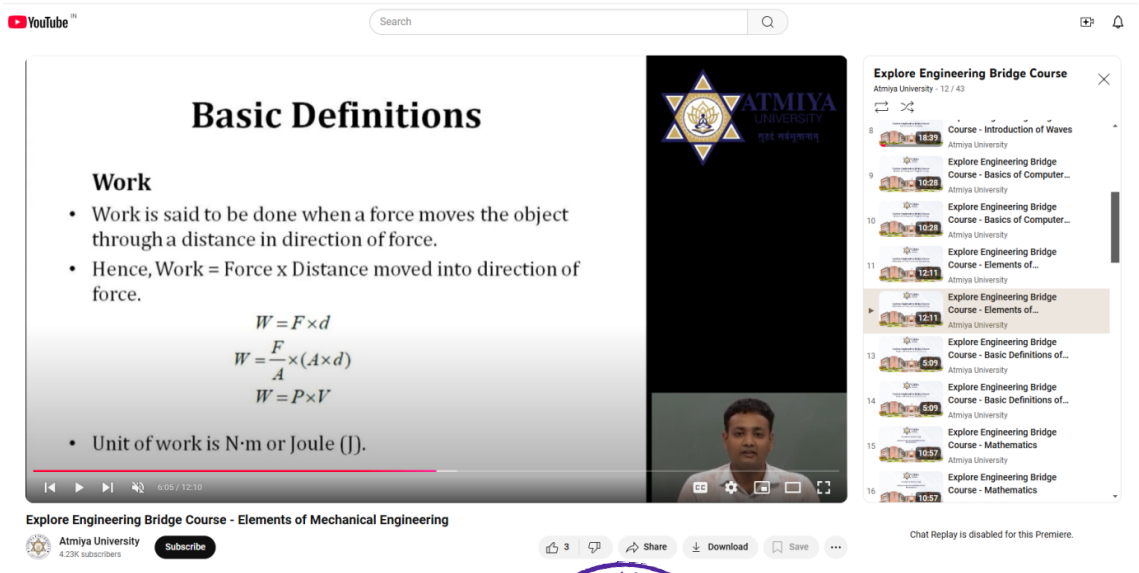
- **End-to-End Encryption**: Ensures secure communication, keeping meeting data and chat history private.
- **Role-Based Access Control**: Admins can control participant roles, permissions, and access to sensitive features or data.
- **Compliance & Privacy**: Webex complies with various regulatory standards, such as GDPR and HIPAA, suitable for industries with strict privacy requirements.

**6. AI and Automation**

- **Webex Assistant**: An AI-powered assistant can assist with tasks like note-taking, transcription, and action item identification.
- **Background Noise Reduction**: Filters out background noise using AI, allowing for distraction-free meetings.
- **Real-Time Translation & Transcription**: Provides captions and real-time language translation in supported languages, enabling more accessible communication across language barriers.

**7. Analytics and Insights**

- **User Analytics**: Provides detailed data on user behavior, meeting attendance, and engagement levels.
- **Quality Monitoring**: Tracks call quality and provides troubleshooting data to help IT teams maintain meeting standards.



## Webex Software liscence (2023-24)

# RAJ INFO ENTERPRISE PVT. LTD.

102, V.V.COMMERCIAL COMPLEX, BHUTKHANA CHOWK, DHEBAR ROAD, RAJKOT-360002
PH# +912812240396 / +919909992733 / Email:account@rajinfo.co.in

**Debit Memo** — **TAX INVOICE** — **Duplicate**

| Buyer To Party | Ship To Party |
|---|---|
| **ATMIYA UNIVERSITY.**<br>YOGIDHAM GURUKUL CAMPUS KALAWAD ROAD, RAJKOT<br>(GUJARAT - INDIA)<br>**RAJKOT - 360005**<br>**Place of Supply :** 24-Gujarat | **ATMIYA UNIVERSITY.**<br>YOGIDHAM GURUKUL CAMPUS KALAWAD ROAD, RAJKOT<br>(GUJARAT - INDIA)<br>**RAJKOT-360005**<br>**Place of Supply :** 24-Gujarat |
| | **Invoice No.** : **RGT/349**<br>**Date** : **14/07/2023**<br>**P.O.NO** : PO/21-2023-24<br>**P.O.DT** : 21/04/2023 |

**IRN NO:**
**ACK NO:**
**ACK Date:** / / : : AM

| Sr. | Product Name | HSN/SAC Code | Qty | Rate | Taxable Amount | GST % | Amount CGST | Amount SGST | Net Amount |
|---|---|---|---|---|---|---|---|---|---|
| 1 | CISCO A-SPK-EDUEC-CM-M<br>CISCO WEBEX MEETING SUIT LICENSE UNDER COLLABORATION FLEX PLAN FOR EDUCATION | 998434 | 50.0 | 1891.00 | 94550.00 | 18.0 | 8509.50 | 8509.50 | 111569.00 |
| | **GSTIN No.: 24AABCR8551P1ZV** | | | **Total** | 94550.00 | | 8509.50 | 8509.50 | 111569.00 |

**Bank Name** : AXIS BANK LTD - RAJKOT
**Bank A/c. No.** : 916030074473503
**RTGS/IFSC Code** : UTIB0000087

**Grand Total** 1,11,569.00

**Total GST :** *Seventeen Thousand Ninteen Only*

**Bill Amount :** *One Lakh Eleven Thousand Five Hundred Sixty Nine Only*

PO.NO.:-AU/CISCO WEBEX/PO/21-2023-24

**Terms & Condition :**
1. *Goods once sold will not be taken back.*
2. *Interest @18% p.a. will be charged if payment is not made within due date.*
3. *Our risk and responsibility ceases as soon as the goods leave our premises.*
4. *"Subject to 'RAJKOT' Jurisdiction only. E.&.O.E"*

For, RAJ INFO ENTERPRISE PVT. LTD.

(Authorised Signatory)

RAJ INFO ENTERPRISE PVT. LTD. RAJKOT

26/7/23

Atmiya University Rajkot

## Webex Software liscence (2021-22)

E.No - 425

# RAJ INFO ENTERPRISE PVT. LTD.

102, V.V.COMMERCIAL COMPLEX, BHUTKHANA CHOWK, DHEBAR ROAD, RAJKOT-360002
PH# +912812240396 / +919909992733 / Email:account@rajinfo.co.in

**Debit Memo** **TAX INVOICE** **Duplicate**

**M/s. : ATMIYA UNIVERSITY.**
YOGIDHAM GURUKUL CAMPUS KALAWAD ROAD, RAJKOT
(GUJARAT - INDIA)
**RAJKOT - 360005**
**Place of Supply :** 24-Gujarat

**Invoice No.** : GT/714
**Date** : 26/10/2021
**LR NO** :
**LR DATE** : / /
**P.O.NO** : AU/Cisco Webex/PO/54C-2021-22
**P.O.DT** : 04/10/2021

| Sr. | Product Name | HSN/SAC Code | Qty | Rate | Taxable Amount | GST % | Amount CGST | Amount SGST | Net Amount |
|---|---|---|---|---|---|---|---|---|---|
| 1 | CISCO A-SPK-EDUEC-CM-M CLOUD MEETING<br>SUBSCRIPTION ID:-sub680784 PERIOD:- (19/10/2021 TO 18/10/2022)<br>Po No.:- AU/Cisco Webex/PO/54C-2021-22 | 998434 | 1.00 | 150000.00 | 150000.00 | 18.0 | 13500.00 | 13500.00 | 177000.00 |
| **GSTIN No.: 24AABCR8551P1ZV** | | | | **Total** | 150000.0 | | 13500.0 | 13500.0 | 177000.00 |

**Total GST :** *Twenty Seven Thousand Only*

**Bill Amount :** *One Lakh Seventy Seven Thousand Only*

**Grand Total** 1,77,000.00

**Bank Name** : AXIS BANK LTD - RAJKOT
**Bank A/c. No.** : 916030074473503
**RTGS/IFSC Code** : UTIB0000087

AU/CISCO WEBEX/PO/54C-2021-22

**Terms & Condition :**
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For, RAJ INFO ENTERPRISE PVT. LTD.

RAJ INFO ENTERPRISE PVT. LTD. RAJKOT

(Authorised Signatory)

28-10-21

Atmiya University Rajkot

## Webex Software liscence (2020-21)

# RAJ INFO ENTERPRISE PVT. LTD.

102, V.V.COMMERCIAL COMPLEX, BHUTKHANA CHOWK, DHEBAR ROAD, RAJKOT-360002
PH# +912812240396 / +919909992733 / Email:account@rajinfo.co.in

**Debit Memo** — **TAX INVOICE** — **Original**

**M/s. : ATMIYA UNIVERSITY.**
YOGIDHAM GURUKUL CAMPUS KALAWAD ROAD, RAJKOT
(GUJARAT - INDIA)
**RAJKOT - 360005**
**Place of Supply :** 24-Gujarat

**Invoice No.** : GT/465
**Date** : 17/10/2020
**LR NO** :
**LR DATE** : / /
**P.O.NO** : 18-2020-21
**P.O.DT** : 25/09/2020

| Sr. | Product Name | HSN/SAC Code | Qty | Rate | Taxable Amount | GST % | Amount CGST | Amount SGST | Net Amount |
|---|---|---|---|---|---|---|---|---|---|
| 1 | CISCO A-SPK-EDUEC-CM-M WEBEX CLOUD MEETING<br>SUBSCRIPTION ID:-sub680784 Period:-(13/10/2020 to 12/10/2021) | 998429 | 1.00 | 150000.00 | 150000.00 | 18.0 | 13500.00 | 13500.00 | 177000.00 |
| 2 | INSTALLATION, COMMISSIONING & PROGRAMMING CHARGES<br>PO.NO.:-AU/CISCOWEBEX/PO/18-2020-21 DATE:-25/09/2020 | 998734 | 1.00 | 5000.00 | 5000.00 | 18.0 | 450.00 | 450.00 | 5900.00 |
| | **GSTIN No.: 24AABCR8551P1ZV** | | | **Total** | 155000.0 | | 13950.0 | 13950.0 | 182900.00 |

**Total GST :** *Twenty Seven Thousand Nine Hundred Only*

**Bill Amount :** *One Lakh Eighty Two Thousand Nine Hundred Only*

**Grand Total** 1,82,900.00

**Bank Name** : AXIS BANK LTD - RAJKOT
**Bank A/c. No.** : 916030074473503
**RTGS/IFSC Code** : UTIB0000087

PO.NO.:-AU/CISCOWEBEX/PO/18-2020-21

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4. *"Subject to 'RAJKOT' Jurisdiction only. E.&.O.E"*

For, RAJINFO ENTERPRISE PVT. LTD.

RAJ INFO ENTERPRISE PVT. LTD. RAJKOT

(Authorised Signatory)

27/10/2020

Atmiya University Rajkot

**Post Production facility and Editing Software**

**OBS Studio**

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.
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.

Registrar
Atmiya University
Rajkot



Atmiya University Rajkot