



**4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre, Audio-Visual Centre, Lecture Capturing System (LCS), Mixing equipment's and software for editing.**

## e-content development

### Media Centre

Sri Indu College of Engineering and Technology Media Centre is a prominent resource centre to capture the various moments, activities and presentations and showcase them to the outside world and community which is runs by the department of Humanities and Science, and ECE department. It is developed as the nodal point for collecting consolidating and disseminating the information about the events happening in the institute to Media sources connects with the social networks. The main objective of the Media Center is to document in-house and external events to create a significant digital presence for the college on social media. It also records and manages the events, guest lectures and seminar from all the departments of the College, serves as the liaison between the institute and the Social Media Management Team to enable them to publish it on the various social media platforms to ensure global reach for the college. With the ever increase in demand for e-content from various stakeholders, the institute has felt the need for establishing a Media centre with all required facilities. The centre is equipped with facilities like video editing, audio mixing and basic animation softwares. With this facility in place, the institution is in a position to develop e-content and promote e-learning through online platform.

All the activities are done by the faculty coordinators and students of various clubs, committees/cells of the SICET The major roles of the media center are as follows:

- To archive the media coverage
- Handles the photography and video editing
- To develop e-contents
- To upload the posters/ images/videos in the social media

Sample Connected Works: [\(1\) SICET\\_MHRD\\_IIC \(@Mhrdlic\) / Twitter](#)



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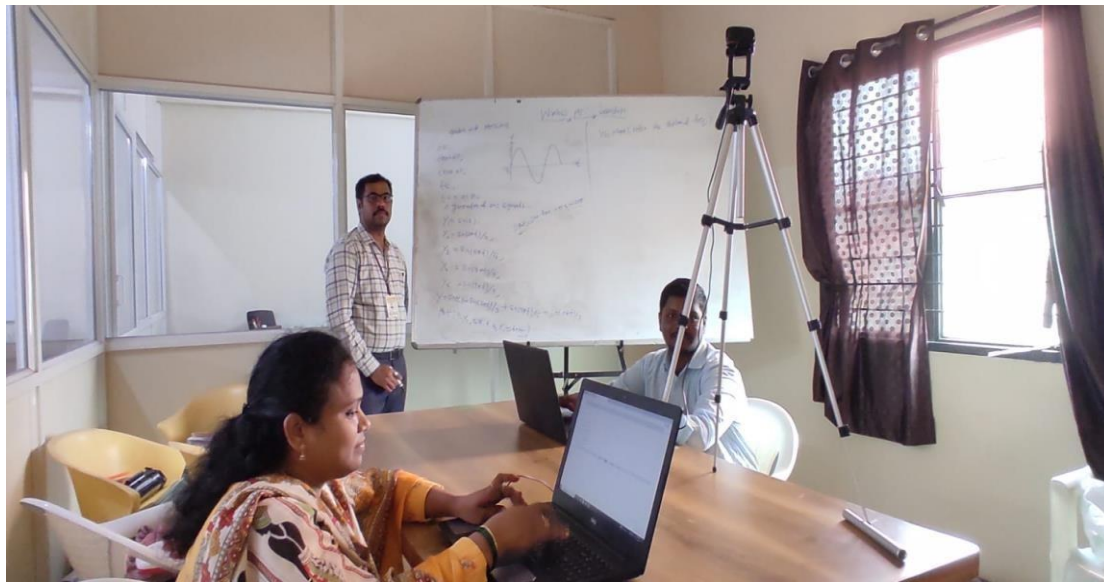
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## Audio Visual Centre

Sri Indu College of Engineering & Technology has state of the art media centre with inbuilt Audio-visual facility. The Media Centre is designed to encourage collaborative learning and interaction & has the resources for developing e-content. English Department also offers a wide range of learning techniques that aim to improve the English language skills of students. The two centres, under the Audio-Visual Centre are the CALL and ISL. The Computer-Assisted Language Learning or the CALL strives to bridge the digital divide by providing all of the students with equal access to technology-aided education. The Interactive skills learning or ISL attempts to sharpen certain skills of students through activities such as group discussions, role-play activities,

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and the like. The Audio-Visual centre ensures that every student, irrespective of their background, is treated equally in terms of the equipment and learning techniques that they have access to, making the entire class subject to the good outcomes of the faculty's hard work. The students are provided with accent neutralization training, a deeper understanding of phonetics, and several other real-life skills like interview and presentation skills. These activities aim to improve the students' fluency in the English language and ensure that they graduate with the confidence they require to communicate in this day and age.

- Dedicated PC for designing & editing,
- Wall mount collapsible studio backdrop horizontal pole assembly
- E Image camera support tripod
- Audio Suite for NLE



## *e-Learning Resource Centre :*

Sri Indu College library is fully automated with Newgenlib Integrated Library Management System (ILMS). The central library is located in the separate block having its own digital library, reading room, Periodical section and is easily accessible to the student of all departments. It can accommodate 300 readers at a stretch. We have a collection of more than 44602 volumes & 7379 titles, college has subscribed National, International Journals, Magazines, Technical Magazines and newspapers. Study materials for the competitive examinations such as TOEFL, GRE, IELTS, CIVILS, GATE RRB, Engineering Service Exams and UGC NET/SET have also been

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provided in the Library.

Central Library has a well-equipped Digital Library, Provision of access to online databases of J-Gate Engineering & Technology, DELNET, IEEE, UGC INFLIBNET N-List, National Digital Library, SWAYAM PRABHA and EKEEDA videos facility under which various library sources around the world are shared. It being apart, IITs' NPTEL and Video Courses has been installed in the Digital Library to inculcate the research oriented thinking among the students.

### Remote access facility for e-Resources

Archives of students' dissertations and faculty publications,

Institutional membership in DELNET, National Digital Library of India, e-Shodh Sindhu, Databases, e-Journals Wi-Fi availability in the campus provides easy accessibility to learning resources. Books are issued through New Genlib Automation software with bar code, Photocopier, Journals, magazines, power back up and pure drinking water facilities are also available. Library is equipped with the state of art facilities where the students and the faculty can make use of resources available. The overall Environment of Library is user friendly. Faculty of Library Science is totally dedicated to put their best efforts in satisfying the student community.

- ❖ Name of the ILMS software: NewGenLib
- ✓ Nature of automation (fully or partially): Fully
- ✓ Version: 3.0.4Carbon(Release 2)
- ✓ Year of automation: 2007

NewGenLib is a fully web based integrated library management software that runs on distributed computers through a network or server. It can also run on local area networks without access to the Internet, although some of the advantages of using it via the web will be lost. It uses a number of well supported and widely used, reliable and well tested open source components like PostgreSQL, Apache Tomcat, and Solr Lucene. NewGenLib's adherence to proven MARC standards for the description of serials, and the use of Captions and Patterns for expecting receipts of serial issues, so vital in serials management automation, is quite elaborate, yet quite intuitive for serial managers. To understand its modular functionalities and workflow process, one should go through the book on automation by the domain specialist of NewGenLib. In addition, many functional details of each module have been given. Each department Library has more than 650 books with 320 titles. It also has the old project reports for student's reference. The collections of online lectures are also available. There is a collection of e-books, e-journal and other e-content can access through DSpace Institutional Repository and Callibre Ebook Management software within the LAN format which are made available to the students and faculty. OPAC facility and all subscribed e-content can also access through departmental library.



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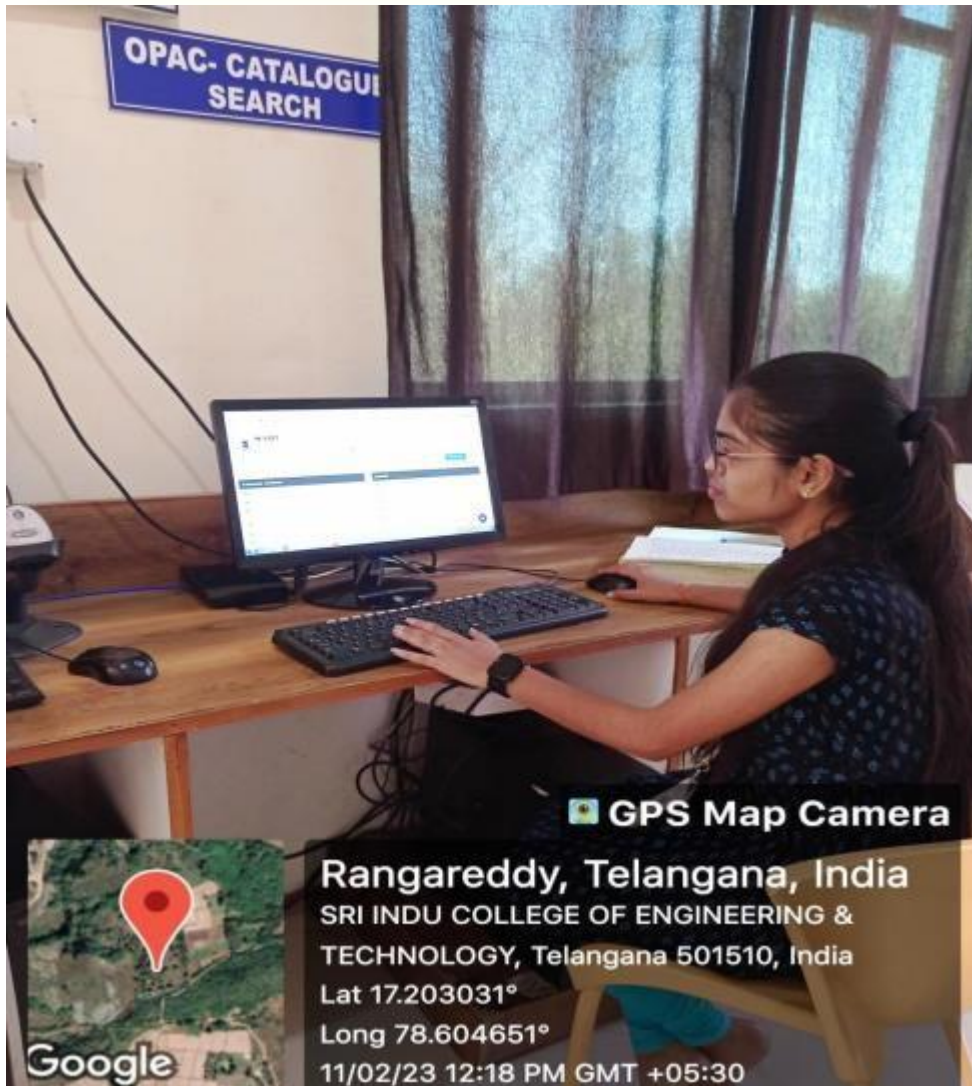
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The e-learning resource centre is housed on the first floor of the Library & information centre in a separate enclosure in the reference section. This centre is having computers with an audio facility (headphones) to access available resources which include CDs/ DVDs, e-books, ejournals, e-learning materials include CDs/DVDs and Online e-lectures such as NPTEL, MIT available over the internet.

The following are the some of the online resources:

- Swayam Online Lectures
- NPTEL Online Lectures
- MIT OCW
- Engineering for Change Online Academy.
- Open Courseware Consortium.
- University's Open Learning Initiative. etc..

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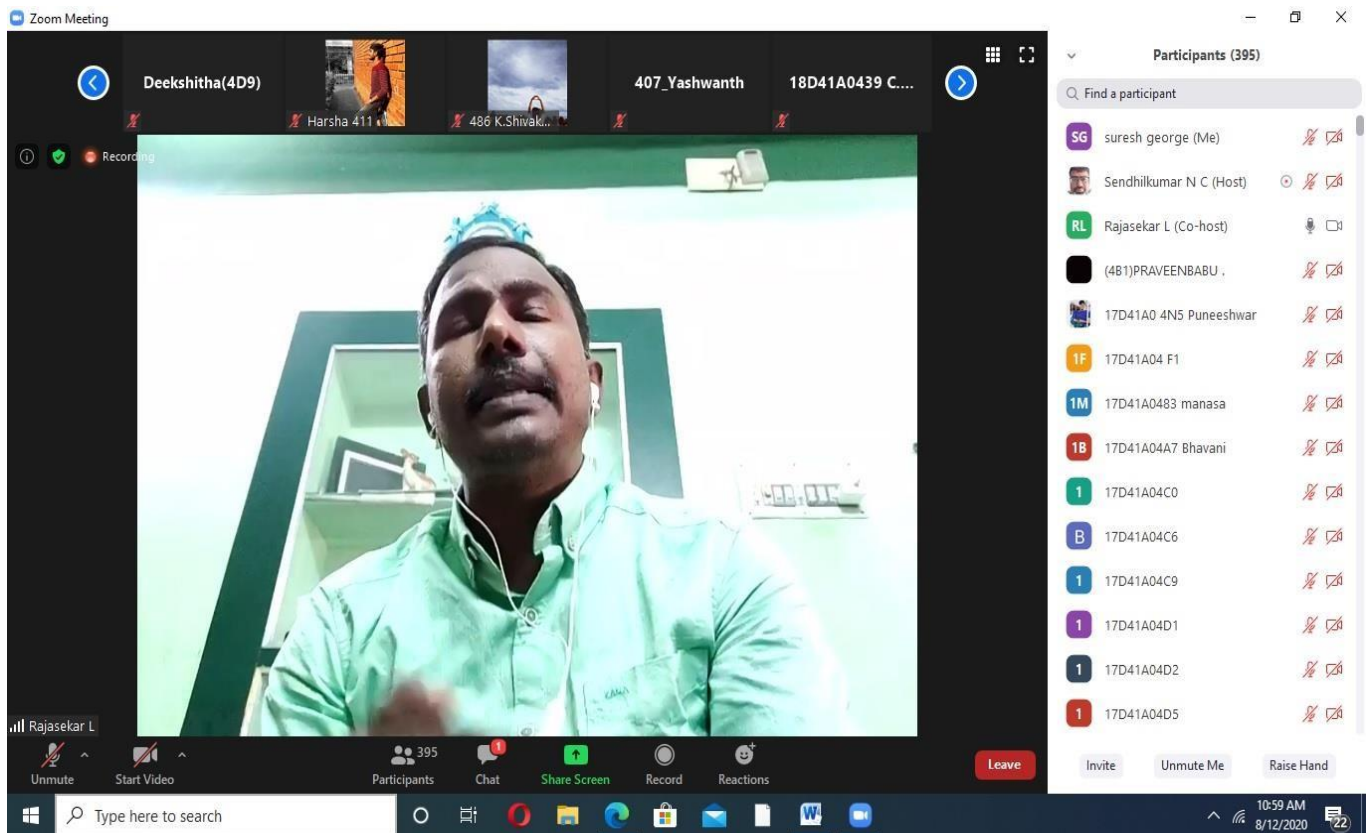
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## 4. Lecture Capturing System (LCS)

Our Institute provided Desktop/Laptop, Headsets and Webcams for all the faculty to capture the Lectures and generate e-content.

- Institute subscribed Webex Education bundle,
- Zoom, Microsoft teams for Videoconference facility for online classes and recording.
- Installed open source tools including Open Broadcast Studio (OBS) to record, streaming and OpenShot, Shotcut, Auacity for video/audio editing.



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Zoom Meeting

Zoom Meeting interface showing a video call with a participant named 'shiva reddy'. The interface includes a top bar with participant names (suresh george, JCI Sen Senthil..., 18D41A0415 A..., 18D41A04H7, 18D41A04B3 N..., 18D41A0430raj...), a bottom toolbar with controls (Unmute, Start Video, Participants, Chat, Share Screen, Record, Reactions), and a Windows taskbar at the bottom.



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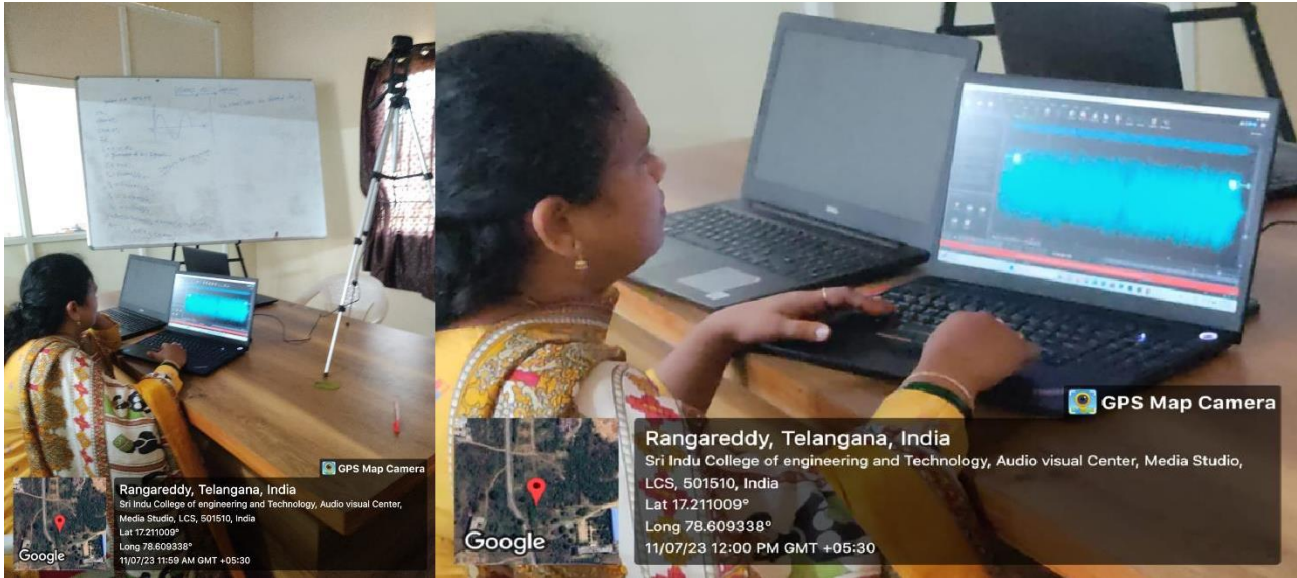
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## 5. Mixing equipment and software

SICET has installed open source software for editing the video lectures.

1. Functional editing setup
2. Animation / Graphics workstations
3. E-Content Integration Workstation
4. Mixing Software



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### List of e-Contents Prepared

| <b>Name of the teacher</b>    | <b>Name of the module developed</b>                  | <b>Platform on which module has been developed</b>              | <b>Link to the relevant document and facility available in the institution</b>                      | <b>List of the e-content development facilities available</b> | <b>Provide link to videos of the Media Centre and recording facilities</b>  |
|-------------------------------|--|---|---|---|---|
| <b>Ms. K. Maheshwari Devi</b> | Limit Cycle Oscillation Part A, You tube channel     | <a href="https://www.youtube.com/">https://www.youtube.com/</a> | <a href="https://sriindu.ac.in/audio-visual-center/">https://sriindu.ac.in/audio-visual-center/</a> | Media Center, Audio Visual Center,                            | <a href="https://youtu.be/vkk-E2ObMsY">https://youtu.be/vkk-E2ObMsY</a>   |
| <b>Ms. K. Maheshwari Devi</b> | Limit Cycle Oscillation Part B, You tube channel     | <a href="https://www.youtube.com/">https://www.youtube.com/</a> | <a href="https://sriindu.ac.in/audio-visual-center/">https://sriindu.ac.in/audio-visual-center/</a> | Media Center, Audio Visual Center,                            | <a href="https://youtu.be/3GXNpihppH8">https://youtu.be/3GXNpihppH8</a>   |
| Dr. N. C. Sendhil Kumar       | Learning Materials & Assignments in Google Classroom | Google Class Room   | <a href="https://sriindu.ac.in/audio-visual-center/">https://sriindu.ac.in/audio-visual-center/</a> | Media Center, Audio Visual Center,                            | <a href="https://classroom.google.com/u/1/w/ODA1MzA0NTY2NTFa/t/all">https://classroom.google.com/u/1/w/ODA1MzA0NTY2NTFa/t/all</a> |
| <b>Ms. K. Maheshwari Devi</b> | Design of Filters                                    | <a href="https://www.youtube.com/">https://www.youtube.com/</a> | <a href="https://sriindu.ac.in/audio-visual-center/">https://sriindu.ac.in/audio-visual-center/</a> | Media Center, Audio Visual Center,                            | <a href="https://youtu.be/Bpuz93ZqJEM">https://youtu.be/Bpuz93ZqJEM</a>   |
| <b>Ms. K. Maheshwari Devi</b> | Design of Filters                                    | <a href="https://www.youtube.com/">https://www.youtube.com/</a> | <a href="https://sriindu.ac.in/audio-visual-center/">https://sriindu.ac.in/audio-visual-center/</a> | Media Center, Audio Visual Center,                            | <a href="https://youtu.be/M7u11Dwb1uk">https://youtu.be/M7u11Dwb1uk</a>   |
| <b>Ms. K. Maheshwari Devi</b> | First Order System, You tube channel                 | <a href="https://www.youtube.com/">https://www.youtube.com/</a> | <a href="https://sriindu.ac.in/audio-visual-center/">https://sriindu.ac.in/audio-visual-center/</a> | Media Center, Audio Visual Center,                            | <a href="https://youtu.be/8U616wJ87No">https://youtu.be/8U616wJ87No</a>   |
| Mr. Abdul Khapasha            | Course content & Study Material                      | <a href="http://www.blogspot.com">www.blogspot.com</a>          | <a href="https://sriindu.ac.in/audio-visual-center/">https://sriindu.ac.in/audio-visual-center/</a> | Learning Materials  | <a href="https://pasha401.blogspot.com">https://pasha401.blogspot.com</a>   |
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