

## Annexure: 4.3.5

### 4.3.5 Institution has the following Facilities for e-content development

- Media Centre
- Audio visual Centre
- Lecture Capturing System (LCS)
- Mixing equipments and software for editing

Multimedia coverage, recording and editing is organized in Audio Video lab of ECE department under the guidance of Prof. Ajay Pal Singh (FI SVIESA). The photography and media club of SLIET, Longowal, software tools of this lab are used by this club for multiple domains. Lecture capturing system is available in all the smart class rooms.

### • Names of the e-content development facilities

**YouTube Links for the video Lectures by Prof. Harish Chopra, Department of Chemistry, SLIET, Longowal for UG / PG Students from the topics of their curriculum.**

| S. No. | Name of Topic                                      | Video Link  |
|--------|--|---|
| 1      | ESR Spectroscopy                                   | <a href="https://youtu.be/t3QDG8ZIX-8">https://youtu.be/t3QDG8ZIX-8</a> |
| 2      | NMR Spectroscopy (Basic Concepts)                  | <a href="https://youtu.be/bFPhvW8T18">https://youtu.be/bFPhvW8T18</a>   |
| 3      | Group transfer reactions (Pericyclic Reactions)    | <a href="https://youtu.be/dqgHOypef_M">https://youtu.be/dqgHOypef_M</a> |
| 4      | Prevention of corrosion                            | <a href="https://youtu.be/5WGanjf0YtE">https://youtu.be/5WGanjf0YtE</a> |
| 5      | Corrosion  | <a href="https://youtu.be/xrBnxxN-RUw">https://youtu.be/xrBnxxN-RUw</a> |
| 6      | Nanomaterials                                      | <a href="https://youtu.be/crDd1RFIUPo">https://youtu.be/crDd1RFIUPo</a> |
| 7      | 4+2 Cycloaddition Reactions (Diels-Alder Reaction) | <a href="https://youtu.be/VIFq6ee49Zk">https://youtu.be/VIFq6ee49Zk</a> |
| 8      | Non Enzymatic Browning                             | <a href="https://youtu.be/7quphiCE_I">https://youtu.be/7quphiCE_I</a>   |
| 9      | Cycloaddition Reactions [2+2]                      | <a href="https://youtu.be/y4gANPv30bc">https://youtu.be/y4gANPv30bc</a> |
| 10     | Basic photochemistry                               | <a href="https://youtu.be/3sxa1579RNM">https://youtu.be/3sxa1579RNM</a> |
| 11     | Fritsch Buttenberg Wiechell Rearrangement          | <a href="https://youtu.be/y9ci6NA8oSk">https://youtu.be/y9ci6NA8oSk</a> |
| 12     | Paterno Buchi Reaction                             | <a href="https://youtu.be/V8mjzuEd5uc">https://youtu.be/V8mjzuEd5uc</a> |
| 13     | 1,3 Dipolar Reactions                              | <a href="https://youtu.be/jDR5_pbaUt0">https://youtu.be/jDR5_pbaUt0</a> |
| 14     | Electrocyclic reactions                            | <a href="https://youtu.be/WkN-2KZbvXE">https://youtu.be/WkN-2KZbvXE</a> |
| 15     | Sigmatropic Rearrangement                          | <a href="https://youtu.be/lhcQGJm0XHE">https://youtu.be/lhcQGJm0XHE</a> |
| 16     | IR Spectroscopy                                    | <a href="https://youtu.be/_Irl_UDDF64">https://youtu.be/_Irl_UDDF64</a> |
| 17     | Norrish Type I Reactions                           | <a href="https://youtu.be/_YPB2D-GrE4">https://youtu.be/_YPB2D-GrE4</a> |
| 18     | Applications of NMR Spectroscopy                   | <a href="https://youtu.be/P3Z57MB-6NQ">https://youtu.be/P3Z57MB-6NQ</a> |
| 19     | UV-VIS Spectroscopy                                | <a href="https://youtu.be/YQbSodJmGLw">https://youtu.be/YQbSodJmGLw</a> |

## E contents developed by EIE department

| Name of the teacher | Name of the module developed          | Platform on which module is developed | Date of launching e content | Link to the relevant document and facility available in the institution      | List of the e-content development facility available | Provide link to videos of the media center and recording facility |
|---------------------|---------------------------------------|---------------------------------------|-----------------------------|--|--|---|
| Dr. Gurmeet Singh   | Three phase induction motor           | SLIET Website                         | 27th March 2021             | <a href="http://eie.sliet.ac.in/e-learning/">eie.sliet.ac.in/e-learning/</a> | Smart classroom, audio and video recording system    |   |
| Dr. M.S. Manna      | Electric Traction                     | SLIET Website                         | 24th March 2021             | <a href="http://eie.sliet.ac.in/e-learning/">eie.sliet.ac.in/e-learning/</a> | -do-   |   |
|                     | Electric Welding                      | SLIET Website                         | 24th March 2021             | <a href="http://eie.sliet.ac.in/e-learning/">eie.sliet.ac.in/e-learning/</a> | -do-   |   |
|                     | Green house effect and climate change | SLIET Website                         | 24th March 2021             | <a href="http://eie.sliet.ac.in/e-learning/">eie.sliet.ac.in/e-learning/</a> | -do-   |   |
|                     | Energy Auditing                       | SLIET Website                         | 24th March 2021             | <a href="http://eie.sliet.ac.in/e-learning/">eie.sliet.ac.in/e-learning/</a> | -do-   |   |
| Dr. Asim Ali Khan   | Digital signal processing made easy   | SLIET Website                         | 25th Oct 2020               | <a href="http://eie.sliet.ac.in/e-learning/">eie.sliet.ac.in/e-learning/</a> | -do-   |   |