

# LECTURE CAPTURING SYSTEM(LCS)

Criteria 4.3.3



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## About

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Quantum University has recently unveiled a specialized Media Centre within A block, serving as a central hub for the development of Massive Open Online Courses (MOOCs). The addition of a dedicated studio, purpose-built for recording lecture videos, underscores the university's commitment to providing high-quality educational content.

A dedicated team is engaged throughout the video recording process, from the initial stages of course creation by educators to the final submission at the MOOC Development Centre. This systematic approach ensures a streamlined workflow in producing and distributing MOOC courses.

The university's strategic selection of teachers and administrative personnel tasked with overseeing the comprehensive development and delivery of MOOC courses through various Government of India portals demonstrates an intent to leverage available platforms, extending the reach and accessibility of educational offerings.

Furthermore, Quantum University has established an online platform, accessible at <https://quantumuniversity.edu.in/e-content>, which enables faculty members to upload a variety of videos produced using the on-campus media facilities. This strategic initiative plays a crucial role in centralizing and organizing educational content, transforming the online platform into a centralized hub for students and learners seeking access to the university's diverse educational materials.

Moreover, Quantum University has implemented a cutting-edge Lecture Capturing System, designed to record and archive educational lectures for the benefit of students and learners. This advanced system utilizes state-of-the-art technology to seamlessly capture, store, and distribute academic content, enhancing the recording and delivery of educational material.



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## Presenting the Images of Lecture Capturing Room



  
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## Presenting the Images of Lecture Capturing Room



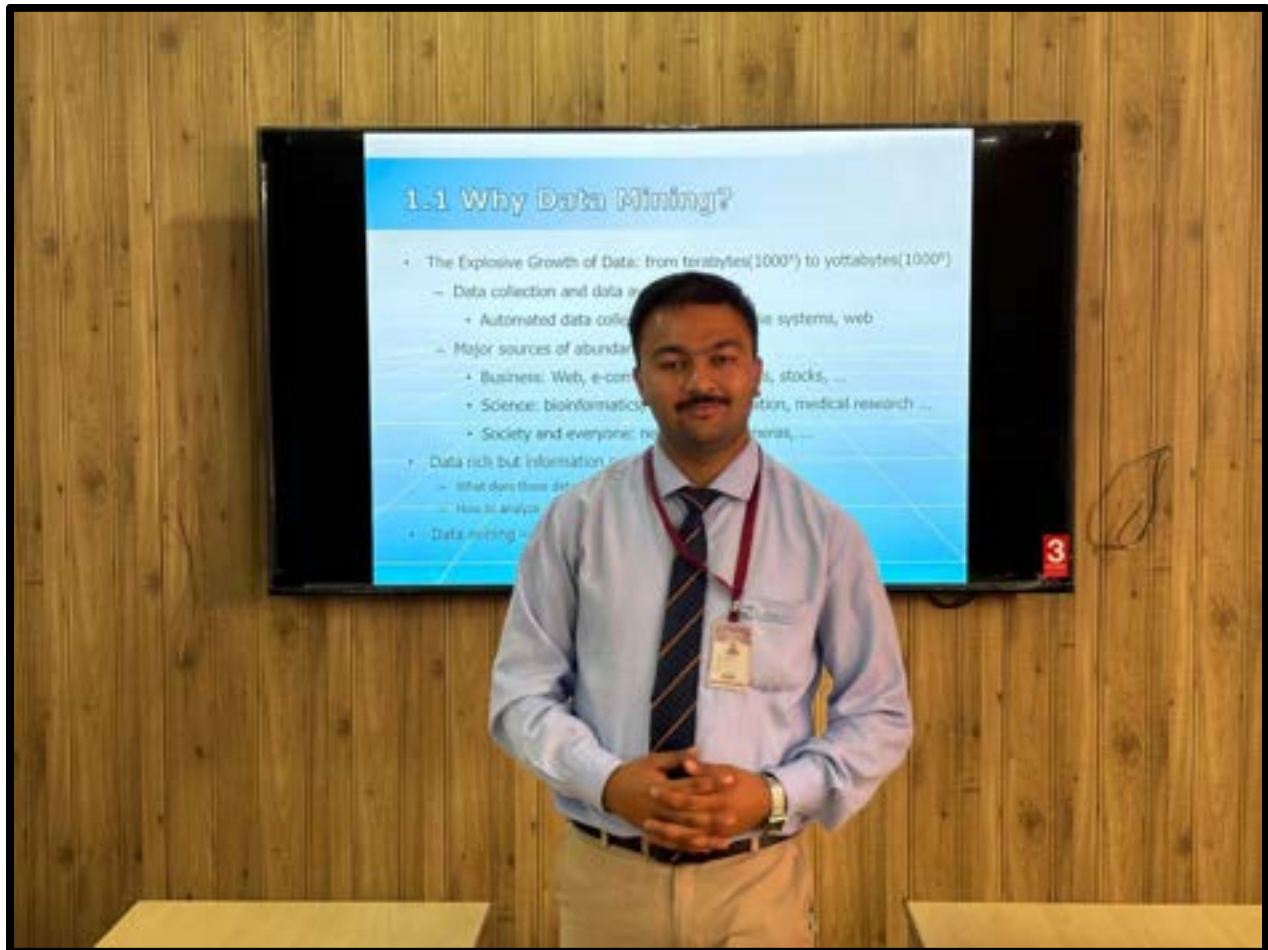
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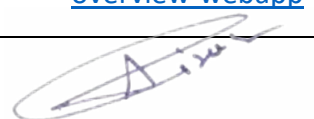
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## *Teacher-developed E-Content Initiatives by LCS.*

In recent years, Quantum University has undergone a digital revolution by digitizing its educational resources, fundamentally altering the dissemination and accessibility of knowledge. Central to this transformation is the integration of videos captured in LCS (Lecture Capture Systems), a pioneering approach that has redefined the educational landscape. Among these advancements, the MOOC Platforms has emerged as a frontrunner, providing a dynamic platform for hosting and delivering e-content. This case study delves into how teachers have leveraged MOOC Platforms to develop and distribute educational materials, particularly integrating videos captured in LCS.

### **E-Content Developed by Teachers for Other MOOC Platforms and Its Evidences**

| <b>Name of the Teachers</b> | <b>Name of module Developed</b> | <b>Platform</b> | <b>Date of launching</b> | <b>Link</b>                                                                                                                                                                                                                                                                         |
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| Mr. Hari Krishna Nagwan     | Thermal Engineering             | Career Climb    | 9/13/2022                | <a href="https://rynvf.courses.store/409124?utm_source%3Dother%26utm_medium%3Dtutor-course-referral%26utm_campaign%3Dcourse-overview-webapp">https://rynvf.courses.store/409124?utm_source%3Dother%26utm_medium%3Dtutor-course-referral%26utm_campaign%3Dcourse-overview-webapp</a> |
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| Mr. Aditya Negi & Ms. Laxmi | BMRIT                           | Career Climb    | 9/4/2022                 | <a href="https://rynvf.courses.store/409091?utm_source%3Dother%26utm_medium%3Dtutor-course-referral%26utm_campaign%3Dcourse-overview-webapp">https://rynvf.courses.store/409091?utm_source%3Dother%26utm_medium%3Dtutor-course-referral%26utm_campaign%3Dcourse-overview-webapp</a> |

  
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| Ms. Nikita Tyagi   | Advance Food science            | Career Climb | 8/13/2022 | <a href="https://rynvf.courses.store/409818?utm_source%3Dother%26utm_medium%3Dtutor-course-referral%26utm_campaign%3Dcourse-overview-webapp">https://rynvf.courses.store/409818?utm_source%3Dother%26utm_medium%3Dtutor-course-referral%26utm_campaign%3Dcourse-overview-webapp</a> |
| Ms. Saloni Arora   | Basic Dietetics                 | Career Climb | 8/8/2022  | <a href="https://rynvf.courses.store/409814?utm_source%3Dother%26utm_medium%3Dtutor-course-referral%26utm_campaign%3Dcourse-overview-webapp">https://rynvf.courses.store/409814?utm_source%3Dother%26utm_medium%3Dtutor-course-referral%26utm_campaign%3Dcourse-overview-webapp</a> |
| Ms. Nikita Tyagi   | Food Safety and Quality Control | Career Climb | 8/7/2022  | <a href="https://rynvf.courses.store/409813?utm_source%3Dother%26utm_medium%3Dtutor-course-referral%26utm_campaign%3Dcourse-overview-webapp">https://rynvf.courses.store/409813?utm_source%3Dother%26utm_medium%3Dtutor-course-referral%26utm_campaign%3Dcourse-overview-webapp</a> |
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| Mr. Vivek Kumar  | C Programming             | Career Climb | 7/29/2022 | <a href="https://rynvf.courses.store/409795?utm_source%3Dother%26utm_medium%3Dtutor-course-referral%26utm_campaign%3Dcourse-overview-webapp">https://rynvf.courses.store/409795?utm_source%3Dother%26utm_medium%3Dtutor-course-referral%26utm_campaign%3Dcourse-overview-webapp</a> |
| Mr. Vivek Kumar  | JDBC                      | Career Climb | 7/27/2022 | <a href="https://rynvf.courses.store/409790?utm_source%3Dother%26utm_medium%3Dtutor-course-referral%26utm_campaign%3Dcourse-overview-webapp">https://rynvf.courses.store/409790?utm_source%3Dother%26utm_medium%3Dtutor-course-referral%26utm_campaign%3Dcourse-overview-webapp</a> |
| Mr. Vivek Kumar  | Python 3.8                | Career Climb | 7/25/2022 | <a href="https://rynvf.courses.store/409558?utm_source%3Dother%26utm_medium%3Dtutor-course-referral%26utm_campaign%3Dcourse-overview-webapp">https://rynvf.courses.store/409558?utm_source%3Dother%26utm_medium%3Dtutor-course-referral%26utm_campaign%3Dcourse-overview-webapp</a> |
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| Mr. Himanshu Tyagi | Web Technology                     | Career Climb | 7/10/2022 | <a href="https://rynvf.courses.store/409195?utm_source%3Dother%26utm_medium%3Dtutor-course-referral%26utm_campaign%3Dcourse-overview-webapp">https://rynvf.courses.store/409195?utm_source%3Dother%26utm_medium%3Dtutor-course-referral%26utm_campaign%3Dcourse-overview-webapp</a> |
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| Ms. Priyanka       | Methods                            | Career Climb | 6/30/2022 | <a href="https://rynvf.courses.store/409489?utm_source%3Dother%26utm_medium%3Dtutor-course-referral%26utm_campaign%3Dcourse-overview-webapp">https://rynvf.courses.store/409489?utm_source%3Dother%26utm_medium%3Dtutor-course-referral%26utm_campaign%3Dcourse-overview-webapp</a> |
| Mr. Naveen Chandra | Fundamentals in Agriculture        | Career Climb | 6/24/2022 | <a href="https://rynvf.courses.store/409390?utm_source%3Dother%26utm_medium%3Dtutor-course-referral%26utm_campaign%3Dcourse-overview-webapp">https://rynvf.courses.store/409390?utm_source%3Dother%26utm_medium%3Dtutor-course-referral%26utm_campaign%3Dcourse-overview-webapp</a> |
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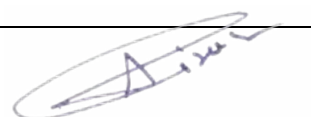
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| Mr. Naveen Rana  | Fusion 360                            | Career Climb | 5/10/2022 | <a href="https://rynvf.courses.store/408556?utm_source%3Dother%26utm_medium%3Dtutor-course-referral%26utm_campaign%3Dcourse-overview-webapp">https://rynvf.courses.store/408556?utm_source%3Dother%26utm_medium%3Dtutor-course-referral%26utm_campaign%3Dcourse-overview-webapp</a> |
| Mr. Chunnu Lal   | C programming :Getting Started with C | Youtube      | 9/20/2023 | <a href="https://youtu.be/exJpYtFWZ-Q?si=B0I5KIYZt7RgWUDl">https://youtu.be/exJpYtFWZ-Q?si=B0I5KIYZt7RgWUDl</a>                                                                                                                                                                     |



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| Mr. Chunnu Lal  | IEEE 754 Floating Point Representation (How to calculate value of Exponent E) | Youtube | 9/20/2023 | <a href="https://youtu.be/p_2Kw0AXUTk?si=v3wao0rsfRPS7xzA">https://youtu.be/p_2Kw0AXUTk?si=v3wao0rsfRPS7xzA</a>   |
| Mr. Chunnu Lal  | C Programming : The C Character Set & Constants, Variables and Keywords       | Youtube | 9/20/2023 | <a href="https://youtu.be/39C4n6VpGZY?si=ACfMR1NZ_Fz_UI824">https://youtu.be/39C4n6VpGZY?si=ACfMR1NZ_Fz_UI824</a> |
| Mr. Chunnu Lal  | Number Conversions: Binary to Any other Number System                         | Youtube | 9/20/2023 | <a href="https://youtu.be/u9hecrDuM00?si=xQD8LI6kNpaw20Qa">https://youtu.be/u9hecrDuM00?si=xQD8LI6kNpaw20Qa</a>   |
| Mr. Vivek Kumar | Inheritance, class, overloading, overriding                                   | Youtube | 9/20/2023 | <a href="https://youtu.be/S0AiXCjcNYg">https://youtu.be/S0AiXCjcNYg</a>                                           |
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| Mr. Vivek Kumar | Full Bootstrap course for responsive web design                               | Youtube | 9/20/2023 | <a href="https://youtu.be/qCpj2r3PxQQ?si=NJkyWYbE_jjk7xoE">https://youtu.be/qCpj2r3PxQQ?si=NJkyWYbE_jjk7xoE</a>   |

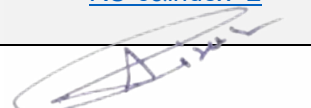
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| Mr. Vivek Kumar    | Full HTML and CSS Playlist                                                  | Youtube | 9/20/2023 | <a href="https://youtu.be/MyRNpE4tdq4">https://youtu.be/MyRNpE4tdq4</a>                                                                                                                                                                                         |
| Mr. Vivek Kumar    | Core and Adv Python Programming                                             | Youtube | 9/20/2023 | <a href="https://youtu.be/Shih5Z9EZLg?si=0cTB5NYH-YGf4dw0">https://youtu.be/Shih5Z9EZLg?si=0cTB5NYH-YGf4dw0</a>                                                                                                                                                 |
| Mr. Vivek Kumar    | Java Database Connectivity                                                  | Youtube | 9/20/2023 | <a href="https://youtu.be/zo2BgO3kQz0?si=nem9MHFk-M5UG9Pb">https://youtu.be/zo2BgO3kQz0?si=nem9MHFk-M5UG9Pb</a>                                                                                                                                                 |
| Mr. Vivek Kumar    | Basic of c Programming                                                      | Youtube | 9/20/2023 | <a href="https://youtu.be/EQhGac-fog4?si=-UDDhpKEb-1RcFjV">https://youtu.be/EQhGac-fog4?si=-UDDhpKEb-1RcFjV</a>                                                                                                                                                 |
| Dr. Ravindra Kumar | Psychology As Science                                                       | Youtube | 9/20/2023 | <a href="https://youtu.be/xGd4Ktuo71w?si=Ya6SZcOkr_aEwFxcj">https://youtu.be/xGd4Ktuo71w?si=Ya6SZcOkr_aEwFxcj</a>                                                                                                                                               |
| Dr. Ravindra Kumar | Motivation                                                                  | Youtube | 9/20/2023 | <a href="https://youtu.be/pkpVV3CVCiY?si=NONRT2Yg_wzfQwl91">https://youtu.be/pkpVV3CVCiY?si=NONRT2Yg_wzfQwl91</a>                                                                                                                                               |
| Mr. Chunnu Lal     | Find 1's and 2's complement of a given number                               | Youtube | 9/19/2023 | <a href="https://www.youtube.com/watch?v=H4VpLAVUpYo&amp;list=PLbptfpAwB5ZjoYZWB7jhyMBoyrxvgRU-c&amp;ab_channel=QuantumUniversity">https://www.youtube.com/watch?v=H4VpLAVUpYo&amp;list=PLbptfpAwB5ZjoYZWB7jhyMBoyrxvgRU-c&amp;ab_channel=QuantumUniversity</a> |
| Mr. Chunnu Lal     | Computer Arithmetic: Negative number representation in computer programming | Youtube | 9/19/2023 | <a href="https://youtu.be/WaB2Kt0Vx6I">https://youtu.be/WaB2Kt0Vx6I</a>                                                                                                                                                                                         |
| Mr. Chunnu Lal     | Binary Conversions                                                          | Youtube | 9/19/2023 | <a href="https://www.youtube.com/watch?v=7KeJELIDrCI">https://www.youtube.com/watch?v=7KeJELIDrCI</a>                                                                                                                                                           |



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| Mr. Chunnu Lal         | Basics of Computer & C Programming<br>-Types of Number System | Youtube    | 9/19/2023 | <a href="https://www.youtube.com/watch?v=A1R7mKiJy8E">https://www.youtube.com/watch?v=A1R7mKiJy8E</a>                                                                                         |
| Mr. Chunnu Lal         | Table generation of Octal and Hexadecimal digits              | Youtube    | 9/19/2023 | <a href="https://youtu.be/zLtDcdLfqVk?si=Mk55i5C8WRAp5kNS">https://youtu.be/zLtDcdLfqVk?si=Mk55i5C8WRAp5kNS</a>                                                                               |
| Mr. Mukesh Kumar       | Shaft Design                                                  | Youtube    | 9/14/2023 | <a href="https://www.youtube.com/watch?v=I2Yd3INEwPc">https://www.youtube.com/watch?v=I2Yd3INEwPc</a>                                                                                         |
| Mr. Vaibhav Kumar Rath | CANCER basics and advanced therapeutics                       | Slideshare | 9/12/2023 | <a href="https://www.slideshare.net/vrathik/cancer-basics-and-advanced-therapeuticspptx">https://www.slideshare.net/vrathik/cancer-basics-and-advanced-therapeuticspptx</a>                   |
| Mr. Vaibhav Kumar Rath | Eukaryotes vs Prokaryotes                                     | Youtube    | 9/12/2023 | <a href="https://youtu.be/wmLD2bN2P1M">https://youtu.be/wmLD2bN2P1M</a>                                                                                                                       |
| Mr. Vaibhav Kumar Rath | Hematological Diseases                                        | Youtube    | 9/12/2023 | <a href="https://youtu.be/0d_wg-obMpM">https://youtu.be/0d_wg-obMpM</a>                                                                                                                       |
| Mr. Vaibhav Kumar Rath | Kidney Failure                                                | Youtube    | 9/12/2023 | <a href="https://youtu.be/EZ7h3cGnYLc">https://youtu.be/EZ7h3cGnYLc</a>                                                                                                                       |
| Mr. Naveen Rana        | Getting started with object                                   | Youtube    | 9/12/2023 | <a href="https://www.youtube.com/watch?v=-g6lyA2Ye2E&amp;list=PLbptfpAwB5ZjoYZWB7jhyMBoyrxvgRU-c">https://www.youtube.com/watch?v=-g6lyA2Ye2E&amp;list=PLbptfpAwB5ZjoYZWB7jhyMBoyrxvgRU-c</a> |

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|------------------|-----------------------------------------|---------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                  | (AutoCAD 2022)                          |         |           |                                                                                                                                                                                                                       |
| Mr. Naveen Rana  | Introduction to AutoCAD 2022            | Youtube | 9/12/2023 | <a href="https://youtu.be/rCDszYE5PrI">https://youtu.be/rCDszYE5PrI</a>                                                                                                                                               |
| Mr. Naveen Rana  | Surface Modelling (Fusion 360)          | Youtube | 9/12/2023 | <a href="https://youtu.be/qJ3miDJ832Q">https://youtu.be/qJ3miDJ832Q</a>                                                                                                                                               |
| Mr. Naveen Rana  | Mettallurgical Microscope               | Youtube | 9/12/2023 | <a href="https://youtu.be/boylld7b7v0">https://youtu.be/boylld7b7v0</a>                                                                                                                                               |
| Mr. Naveen Rana  | Introduction to Power Transmission      | Youtube | 9/12/2023 | <a href="https://youtu.be/wU1eSuQe25s">https://youtu.be/wU1eSuQe25s</a>                                                                                                                                               |
| Mr. Naveen Rana  | Management By Objectives (MBO)          | Youtube | 9/12/2023 | <a href="https://youtu.be/HiMx3xjUbLA">https://youtu.be/HiMx3xjUbLA</a>                                                                                                                                               |
| Mr. Naveen Rana  | Classification of Engineering Materials | Youtube | 9/12/2023 | <a href="https://youtu.be/V76DGI6g1VI">https://youtu.be/V76DGI6g1VI</a>                                                                                                                                               |
| Mr. Mukesh Kumar | Key Design                              | Youtube | 9/11/2023 | <a href="https://youtu.be/fOY7eYOo-8M">https://youtu.be/fOY7eYOo-8M</a>                                                                                                                                               |
| Mr. Mukesh Kumar | Surface Modelling (Fusion 360)          | Youtube | 9/11/2023 | <a href="https://youtu.be/qJ3miDJ832Q">https://youtu.be/qJ3miDJ832Q</a>                                                                                                                                               |
| Mr. Naveen Rana  | Pipe Clamp Assembly (Fusion 360)        | Youtube | 9/11/2023 | <a href="https://www.youtube.com/watch?v=zYrkslc--W0&amp;list=PLbptfpAwB5ZjoYZWB7jhyMBoyrxvqRU-c&amp;index=2">https://www.youtube.com/watch?v=zYrkslc--W0&amp;list=PLbptfpAwB5ZjoYZWB7jhyMBoyrxvqRU-c&amp;index=2</a> |



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| Mr. Himanshu Tyagi      | Blog Creation                  | Youtube | 9/8/2023  | <a href="https://www.youtube.com/watch?v=kZi40a8nTd0">https://www.youtube.com/watch?v=kZi40a8nTd0</a>                                                                                         |
| Mr. Himanshu Tyagi      | Google Analytics Integration   | Youtube | 9/8/2023  | <a href="https://www.youtube.com/watch?v=fnXYRB5csDo&amp;list=PLbptfpAwB5ZjoYZWB7jhyMBoyrxvgRU-c">https://www.youtube.com/watch?v=fnXYRB5csDo&amp;list=PLbptfpAwB5ZjoYZWB7jhyMBoyrxvgRU-c</a> |
| Mr. Himanshu Tyagi      | Webmaster Integration          | Youtube | 9/8/2023  | <a href="https://youtu.be/ql9LTBD4NjE">https://youtu.be/ql9LTBD4NjE</a>                                                                                                                       |
| Mr. Himanshu Tyagi      | Hosting and domain name        | Youtube | 9/8/2023  | <a href="https://youtu.be/ZeMH_ubXvzc">https://youtu.be/ZeMH_ubXvzc</a>                                                                                                                       |
| Mr. Vaibhav Kumar Rathi | Anatomy of Plant drugs         | Youtube | 9/2/2023  | <a href="https://youtu.be/PPLVLAjdJI?si=fBVF09LFuO7jLX98">https://youtu.be/PPLVLAjdJI?si=fBVF09LFuO7jLX98</a>                                                                                 |
| Dr. Mousmi Goel         | Type of Research               | Youtube | 7/14/2023 | <a href="https://youtu.be/wgfuN_GU01s">https://youtu.be/wgfuN_GU01s</a>                                                                                                                       |
| Dr. Mousmi Goel         | Introduction of Research       | Youtube | 7/14/2023 | <a href="https://youtu.be/aZKmHPE7fHE">https://youtu.be/aZKmHPE7fHE</a>                                                                                                                       |
| Mr. Vaibhav Kumar Rathi | Sterilization and Disinfection | Youtube | 9/14/2020 | <a href="https://youtu.be/bpOKQKvHvKw">https://youtu.be/bpOKQKvHvKw</a>                                                                                                                       |
| Mr. Vaibhav Gupta       | Public Speaking                | Youtube | 8/2/2020  | <a href="https://www.youtube.com/watch?v=e-ryPpyu1tQ&amp;t=20s">https://www.youtube.com/watch?v=e-ryPpyu1tQ&amp;t=20s</a>                                                                     |
| Mr. Vaibhav Gupta       | Confidence Building            | Youtube | 6/12/2020 | <a href="https://www.youtube.com/watch?v=RKd_2Rauw0k&amp;t=122s">https://www.youtube.com/watch?v=RKd_2Rauw0k&amp;t=122s</a>                                                                   |

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| Mr. Vaibhav Kumar Rath | Disease Transmission     | Youtube | 4/23/2020 | <a href="https://youtu.be/_BcvuT8y6Pg">https://youtu.be/_BcvuT8y6Pg</a> |
| Mr. Vaibhav Kumar Rath | Non-Communicable Disease | Youtube | 4/21/2020 | <a href="https://youtu.be/o0ETsEHgYH0">https://youtu.be/o0ETsEHgYH0</a> |

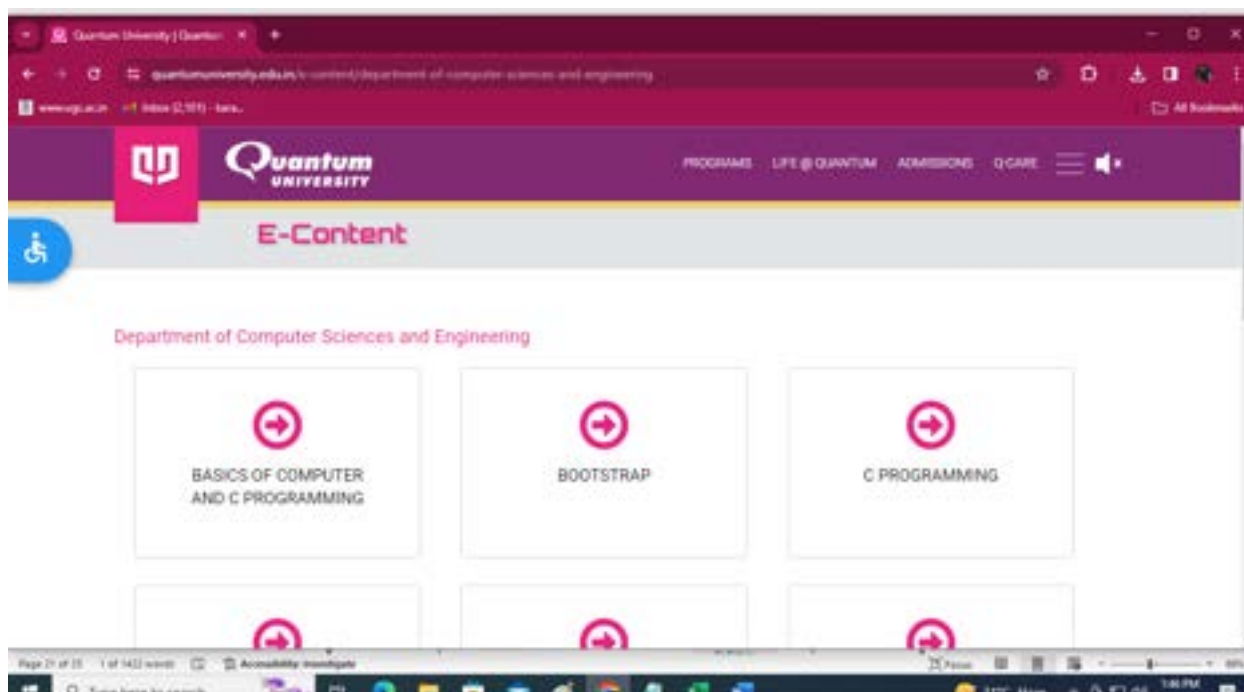


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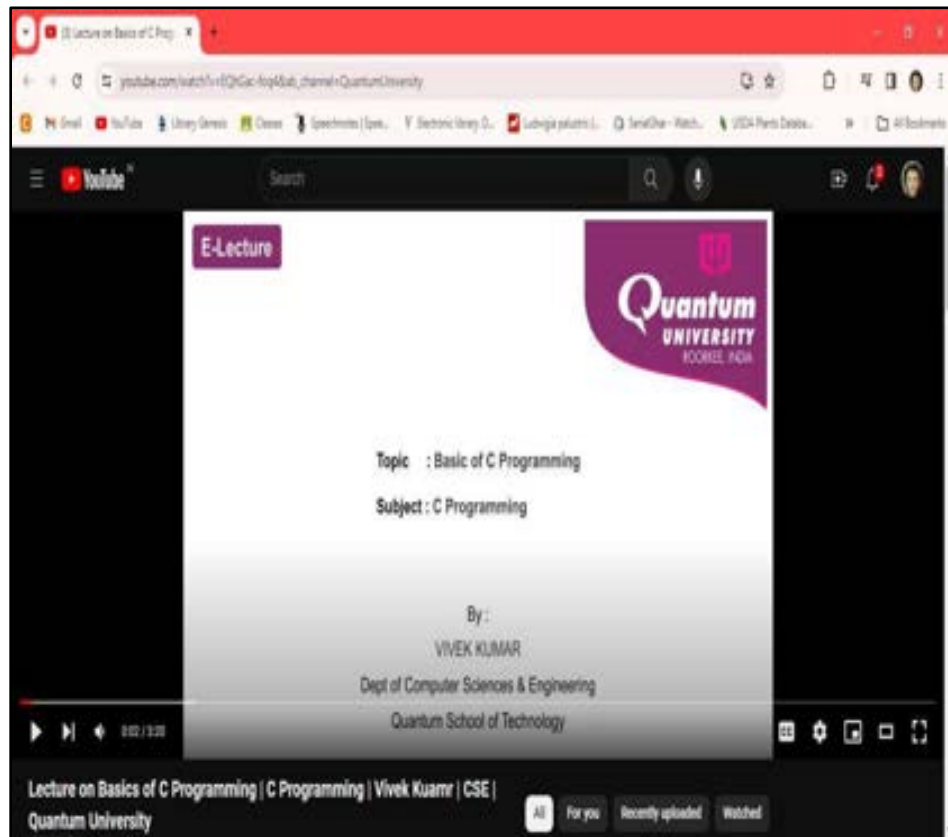
## *Availability of e content at university website*

Quantum University has taken a strategic step forward by launching an online platform, accessible at <https://quantumuniversity.edu.in/e-content>. This platform empowers faculty members to upload a diverse range of videos created using the state-of-the-art media facilities available on campus. This initiative holds significant importance as it serves to centralize and streamline educational content, effectively transforming the online platform into a centralized hub. Here, students and learners can easily access a wealth of educational materials curated by the university, fostering a seamless and enriching learning experience.

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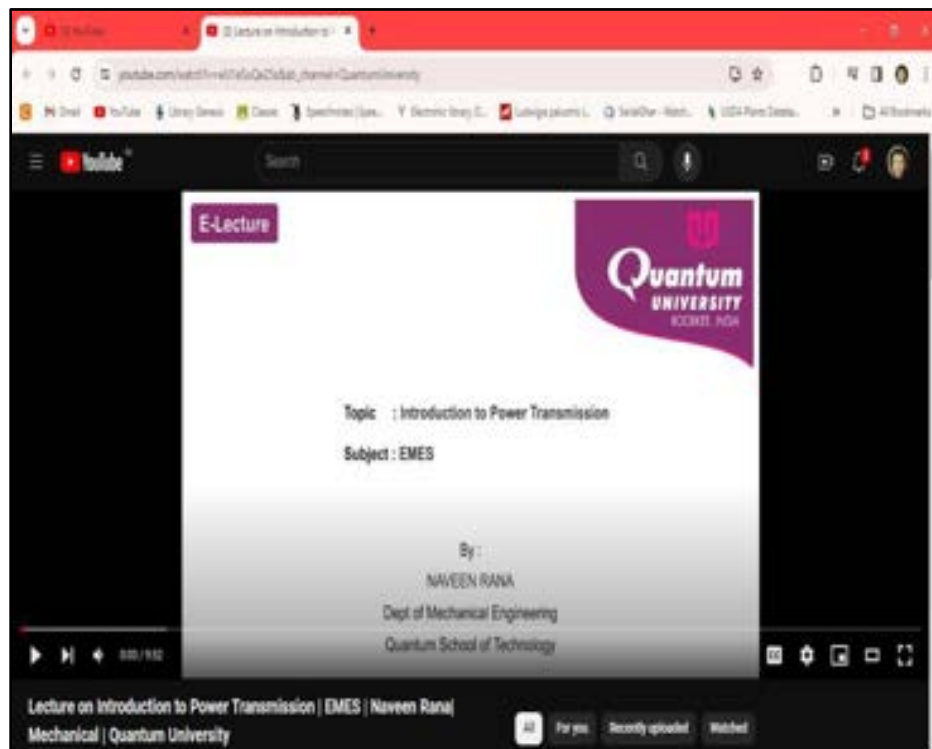


  
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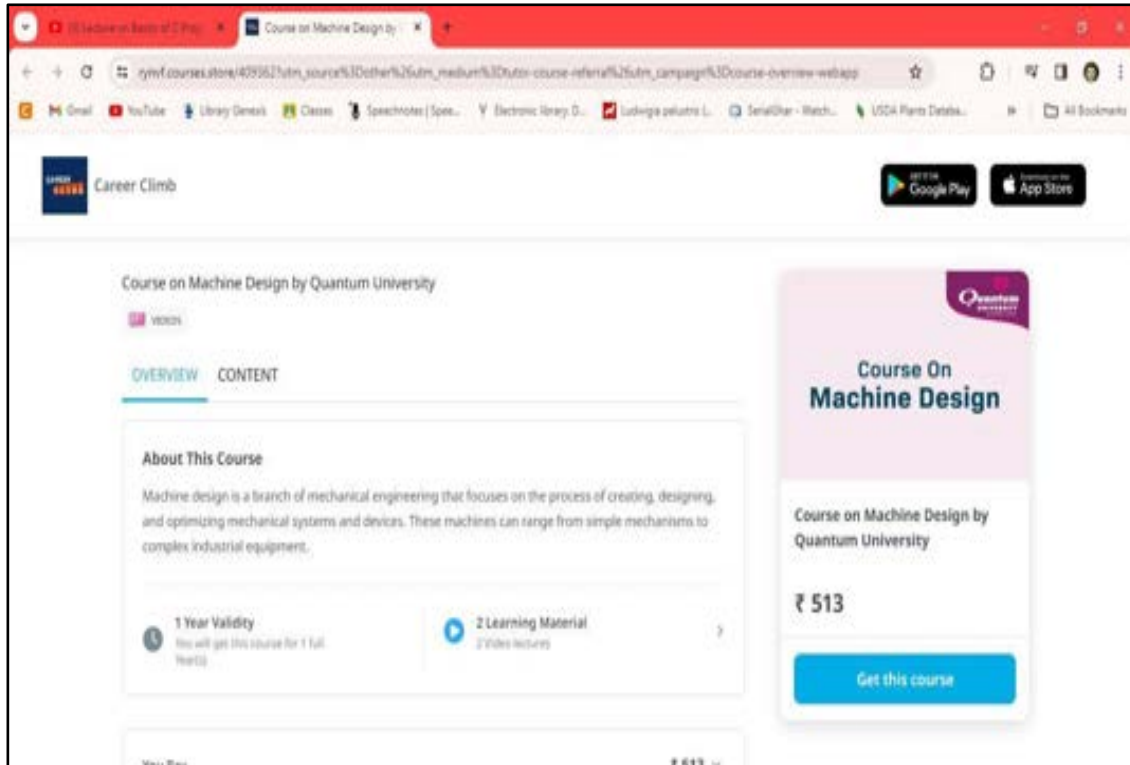
## Introduction to Power Transmission

  
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## Machine design



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**OVERVIEW** CONTENT

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