

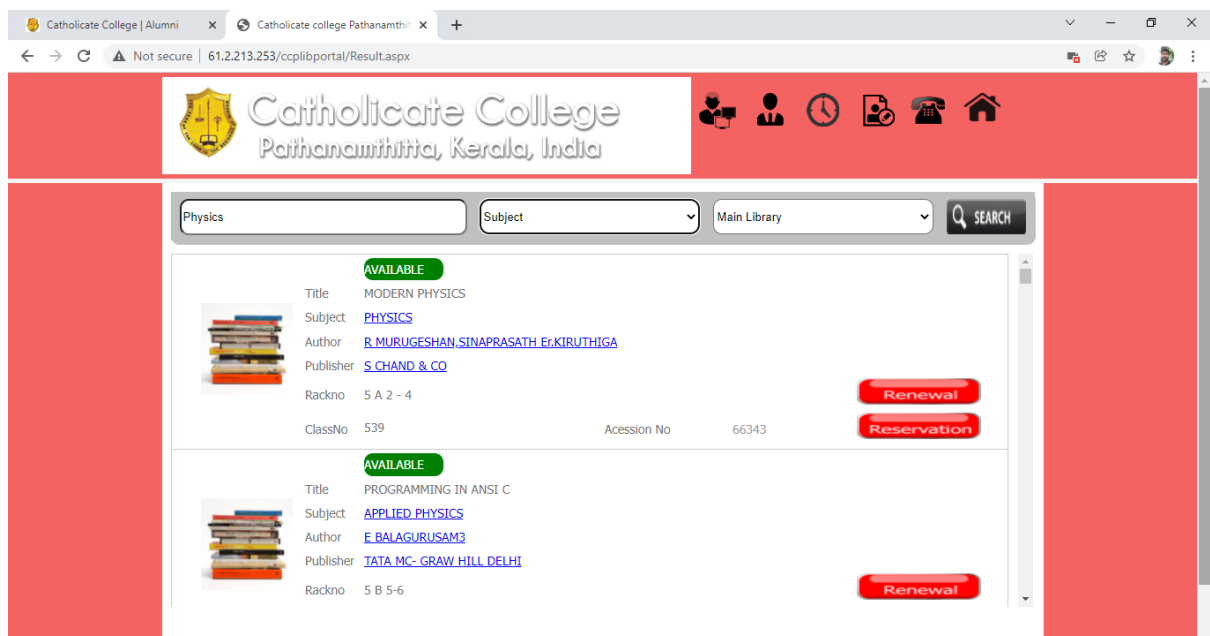
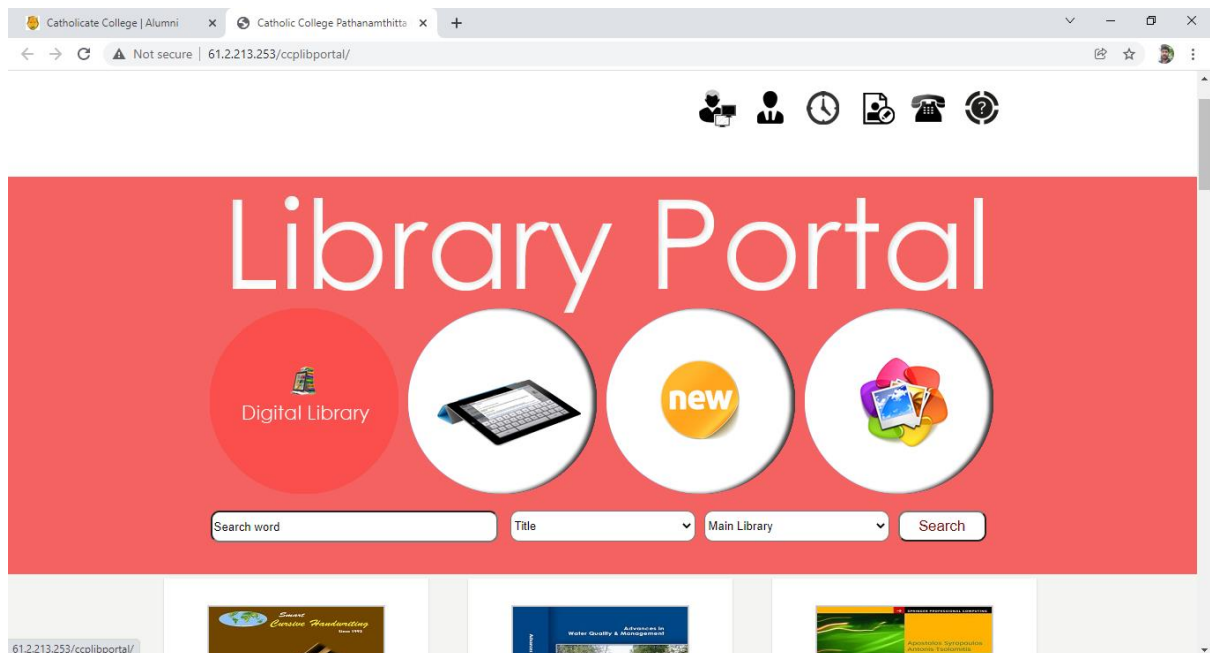


2.3.2 Teachers use ICT enabled tools for effective teaching-learning process. (2020-2021)

E-resources and techniques used	ICT tools and resources available
<ol style="list-style-type: none"> 1. INFLIBNET, e-Pathshala, N-LIST. 2. DELNET 3. Web OPAC 4. Access of E-books through DOAB, NDLI, JSTOR, Project Gutenberg. 5. E-books and magazines through Amazon Kindle devices 6. Access of E-journals through DOAJ 7. Moodle 8. Swayam, NPTEL 9. PhysioEx Laboratory Simulations 	<ol style="list-style-type: none"> 1. Desktops and laptops 2. Highspeed internet 3. Wi-Fi facility 4. Interactive Boards 5. Projectors 6. Printers 7. Photocopy machines 8. Scanners 9. Digital cameras 10. Live streaming hardwares- Microphones, Headphones and speakers 11. Live streaming softwares- Zoom, Googlemeet, Webex 12. Learning platforms- Google classroom, Microsoft teams, Moodle 13. Amazon Kindle devices 14. JAWS- The screen reading software for blind and visually impaired users 15. Kiosk machine 16. Smart TV 17. CDs and DVDs of Educational content 18. Statistical Packages- SPSS, Tally 19. Softwares-LaTeX, Mendeley, Zotero etc. 20. MS office softwares- Power point, Word, Excel 21. Kahoot- game based learning platform 22. Software for learning the linguistic pattern in English - Tell Me Why.



Online Web OPAC facilitates search for books, journals and periodicals





The College web site provides link to access E-journals through DOAJ, E-books through DOAB, NDLI, JSTOR and Project Gutenberg.

Catholicate College has library established in 1952 to meet the needs of its students and staff. It has a wide range of library books, catering to the need of the college and making it as one of the largest college libraries in Kerala. The library has books in Malayalam, English, and in Hindi. The library is spread over 8000 sq ft and has a seating capacity for 80 students. The Library has a total of 69241 books of which 35242 are textbooks and 34999 are reference books. It also subscribes to 51 magazines/ journals. Apart from this; there are 4 departmental libraries one each for biochemistry, biology, chemistry and mathematics. It has 23 Indian journals and 4 foreign journals. It also has 937 back volumes of journals.

The library has for Broad band connectivity. The library is linked to each department and faculty and students can access books from any of the terminals provided in the college. The library is open all the days except Sundays and national holidays. It operates from 8.30 am to 5 pm from Monday to Friday and 8.30 am to 2.30pm on Saturdays. Library gives open access to students and staff. A student can issue two books in his/her name at a time and keep the book for 15 days if it is a textbook. Reference books are not allowed to take out of the library. Staff members are allowed to keep up to 10 books for a period of one year.

Through INFLIBNET connectivity the library obtained the facility of 2000 well refereed e-journals, 40,000 e-books for reference.

VISIT ONLINE LIBRARY PORTAL

OPEN ACCESS - E-JOURNALS

- > DOAJ
- > Google Scholar
- > ResearchGate
- > Open Access Journals
- > MDPI
- > e-LIS, e-print
- > OCLC's Research

E-BOOKS ENGLISH

DOAJ

SUPPORT | APPLY | SEARCH

SEARCH | DOCUMENTATION | ABOUT | LOGIN

THE DIRECTORY OF OPEN ACCESS JOURNALS

Find open access journals & articles.

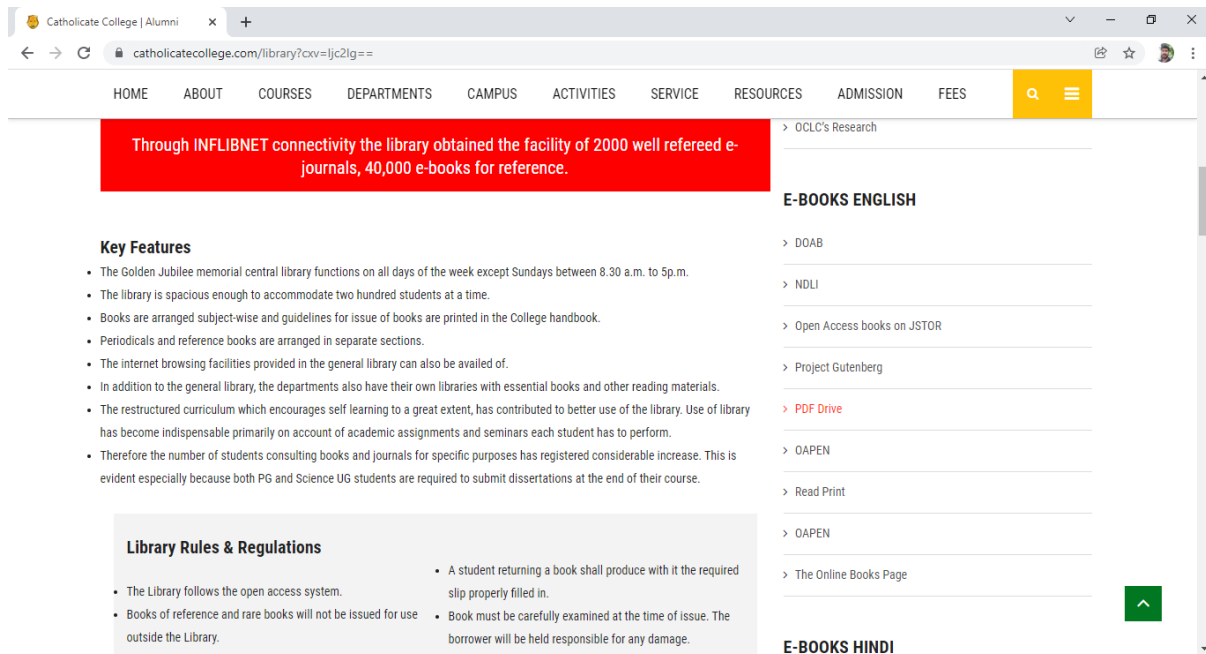
☒ Journals ☐ Articles

In all fields

80 LANGUAGES	130 COUNTRIES	12,259 JOURNALS	17,383 JOURNALS	7,075,002 ARTICLE
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The College web site provides link to access E-journals through DOAJ, E-books through DOAB, NDLI, JSTOR and Project Gutenberg.



The screenshot shows the Catholicate College Library website. The header includes navigation links: HOME, ABOUT, COURSES, DEPARTMENTS, CAMPUS, ACTIVITIES, SERVICE, RESOURCES, ADMISSION, FEES. A red banner states: "Through INFLIBNET connectivity the library obtained the facility of 2000 well refereed e-journals, 40,000 e-books for reference." The main content area is divided into two columns. The left column contains "Key Features" and "Library Rules & Regulations". The right column lists "E-BOOKS ENGLISH" and "E-BOOKS HINDI" with links to various databases like OCLC's Research, DOAB, NDLI, Open Access books on JSTOR, Project Gutenberg, PDF Drive, OAPEN, Read Print, and The Online Books Page.

Key Features

- The Golden Jubilee memorial central library functions on all days of the week except Sundays between 8.30 a.m. to 5p.m.
- The library is spacious enough to accommodate two hundred students at a time.
- Books are arranged subject-wise and guidelines for issue of books are printed in the College handbook.
- Periodicals and reference books are arranged in separate sections.
- The internet browsing facilities provided in the general library can also be availed of.
- In addition to the general library, the departments also have their own libraries with essential books and other reading materials.
- The restructured curriculum which encourages self learning to a great extent, has contributed to better use of the library. Use of library has become indispensable primarily on account of academic assignments and seminars each student has to perform.
- Therefore the number of students consulting books and journals for specific purposes has registered considerable increase. This is evident especially because both PG and Science UG students are required to submit dissertations at the end of their course.

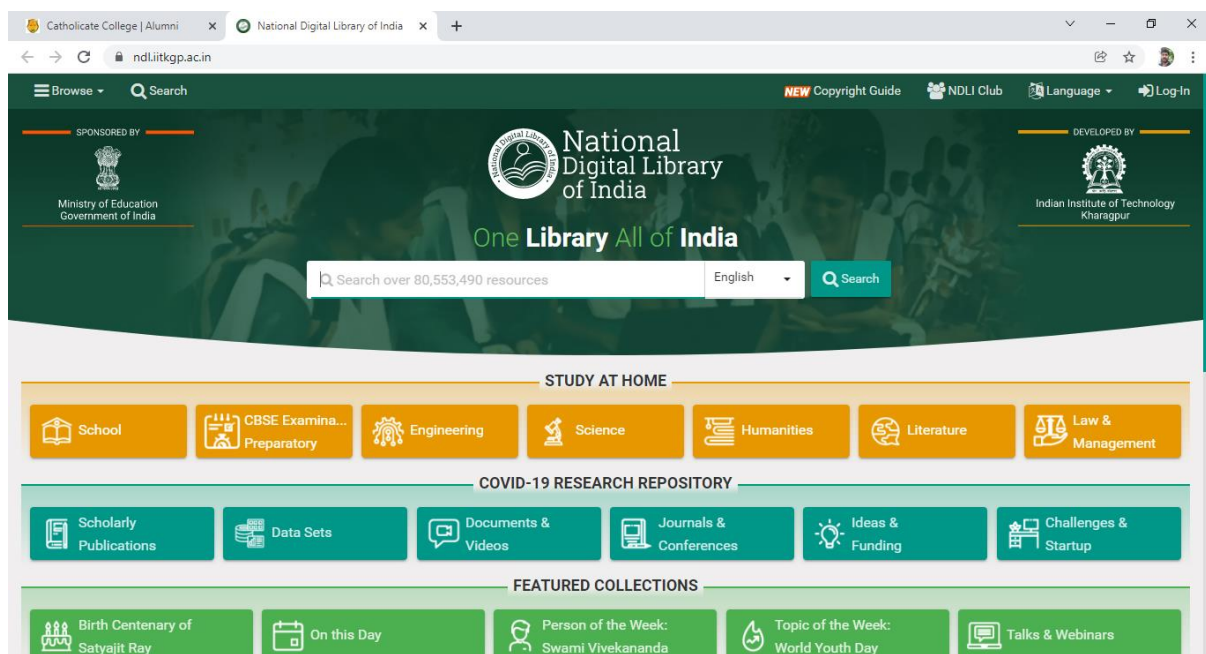
Library Rules & Regulations

- The Library follows the open access system.
- Books of reference and rare books will not be issued for use outside the Library.
- A student returning a book shall produce with it the required slip properly filled in.
- Book must be carefully examined at the time of issue. The borrower will be held responsible for any damage.

E-BOOKS ENGLISH

- OCLC's Research
- DOAB
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- OAPEN
- Read Print
- OAPEN
- The Online Books Page

E-BOOKS HINDI



The screenshot shows the National Digital Library of India website. The header includes navigation links: Browse, Search, NEW Copyright Guide, NDLI Club, Language, Log-In. The main banner features the National Digital Library of India logo and the tagline "One Library All of India". Below the banner is a search bar with the text "Search over 80,553,490 resources" and a language dropdown set to "English". The website is organized into three main sections: "STUDY AT HOME" with links to School, CBSE Examinations Preparatory, Engineering, Science, Humanities, Literature, and Law & Management; "COVID-19 RESEARCH REPOSITORY" with links to Scholarly Publications, Data Sets, Documents & Videos, Journals & Conferences, Ideas & Funding, and Challenges & Startup; and "FEATURED COLLECTIONS" with links to Birth Centenary of Satyajit Ray, On this Day, Person of the Week: Swami Vivekananda, Topic of the Week: World Youth Day, and Talks & Webinars.

STUDY AT HOME

- School
- CBSE Examinations Preparatory
- Engineering
- Science
- Humanities
- Literature
- Law & Management

COVID-19 RESEARCH REPOSITORY

- Scholarly Publications
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FEATURED COLLECTIONS

- Birth Centenary of Satyajit Ray
- On this Day
- Person of the Week: Swami Vivekananda
- Topic of the Week: World Youth Day
- Talks & Webinars



The College Library provides facility to access INFLIBNET and DELNET.

Catholicate College | Alumni

catholicatecollege.com/library?cv=jlc2lg==

HOME ABOUT COURSES DEPARTMENTS CAMPUS ACTIVITIES SERVICE RESOURCES ADMISSION FEES

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E-BOOKS ENGLISH

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- Open Access books on JSTOR
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- OAPEN
- Read Print
- OAPEN
- The Online Books Page

E-BOOKS HINDI

Catholicate College | Alumni

DELNET - Home

delnet.in

DELNET Developing Library Network

DELNET Brochure Silver Jubilee Documentary NACLIN Newsletter

About Us Membership Services Resources Publications Software Support Programmes Member Testimonials Contact Us

25 Years of Commitment 1992-2017

Networking Libraries, Spreading Knowledge

Access the Major Digital Library Resources in South Asia

New Discovery Portal DELReSS Portal for Schools

Latest Updates

NACLIN 23rd National Convention on Knowledge, Library and Information Networking - NACLIN [Read more](#)

Latest Programmes

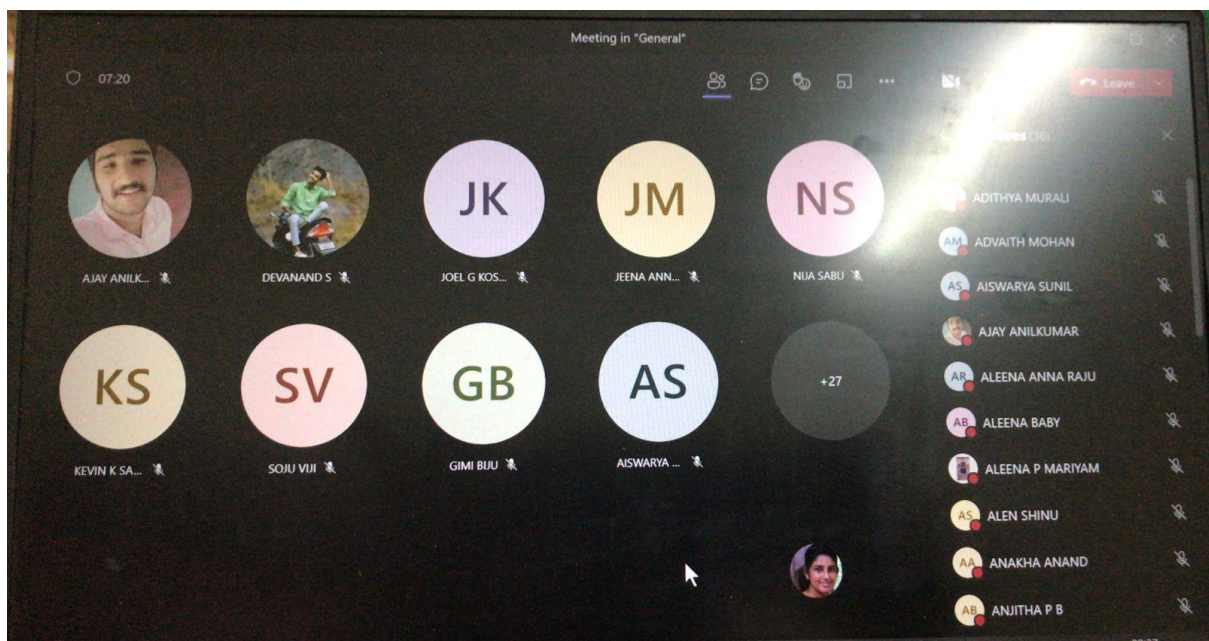
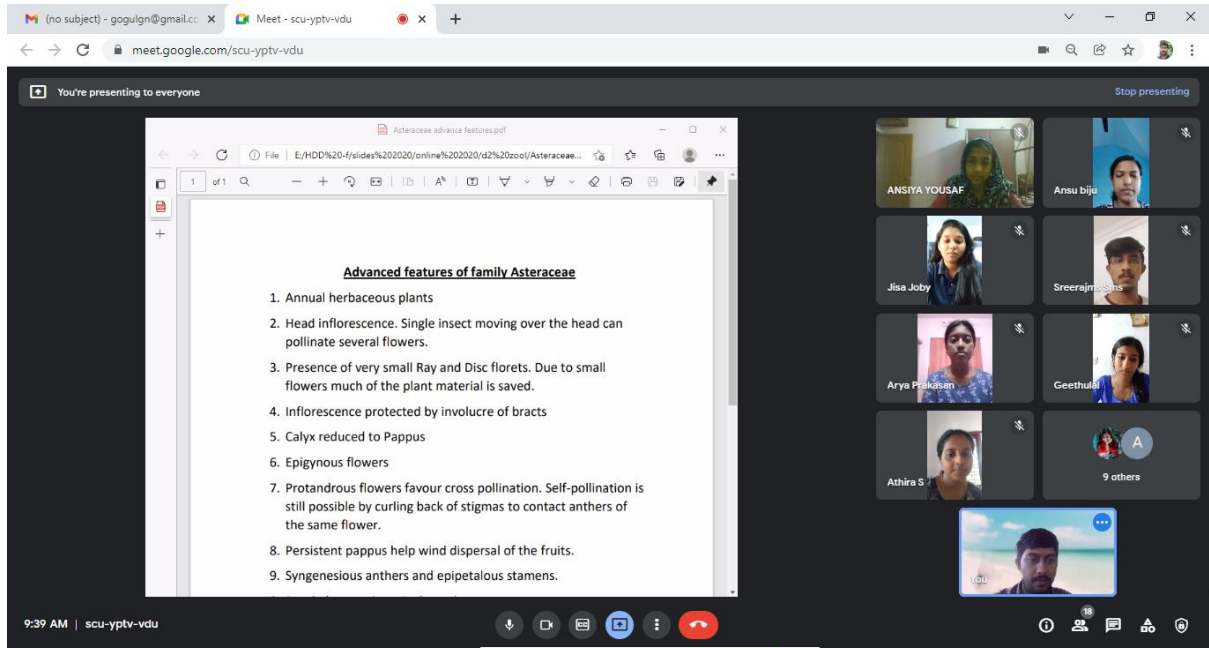
Welcome to DELNET

DELNET was started at the India International Centre Library in January 1988 and was registered as a society in 1992. It was initially supported by the National Information System for Science and Technology (NISST), Department of Scientific

- About Us
- History



Softwares used for Online lectures, Webinars and tutorials - Googlemeet, Zoom, Webex etc.





LMS used for delivery of lectures, PowerPoint presentations, assessment and documentation of student performance- Moodle, Microsoft teams and google classroom.

Dashboard

catholicate.gnomio.com/my/

Moodle

Admin User

Send feedback

Why this ad?

Recently accessed courses

BSc Physics
III BSc Physics_Digital Electronics and Pr...

MSc Physics
Mathematical Physics

Course overview

All (except removed from view)

Course name

Card

MSc Physics
Mathematical Physics

11% complete

Timeline

No upcoming activities due

Activate Windows
Go to Settings to activate Windows.

MP: Problems_Residue Theorem

catholicate.gnomio.com/mod/resource/view.php?id=21

Moodle

Admin User

Mathematical Physics

Dashboard / My courses / MP / Complex Analysis / Problems_Residue Theorem Part I

Problems_Residue Theorem Part I

Mark as done

$$f(z) = \frac{z}{z^2+1}$$

$$f(z) = \frac{z}{(z-i)(z+i)}$$

$$\text{Residue at } z=i = \lim_{z \rightarrow i} (z-i) f(z) = \lim_{z \rightarrow i} \left[\frac{z}{z+i} \right] = \frac{i}{2i} = \frac{1}{2}$$

$$\text{Residue at } z=-i = \lim_{z \rightarrow -i} (z+i) f(z) = \lim_{z \rightarrow -i} \left[\frac{z}{z-i} \right] = \frac{-i}{-2i} = \frac{1}{2}$$

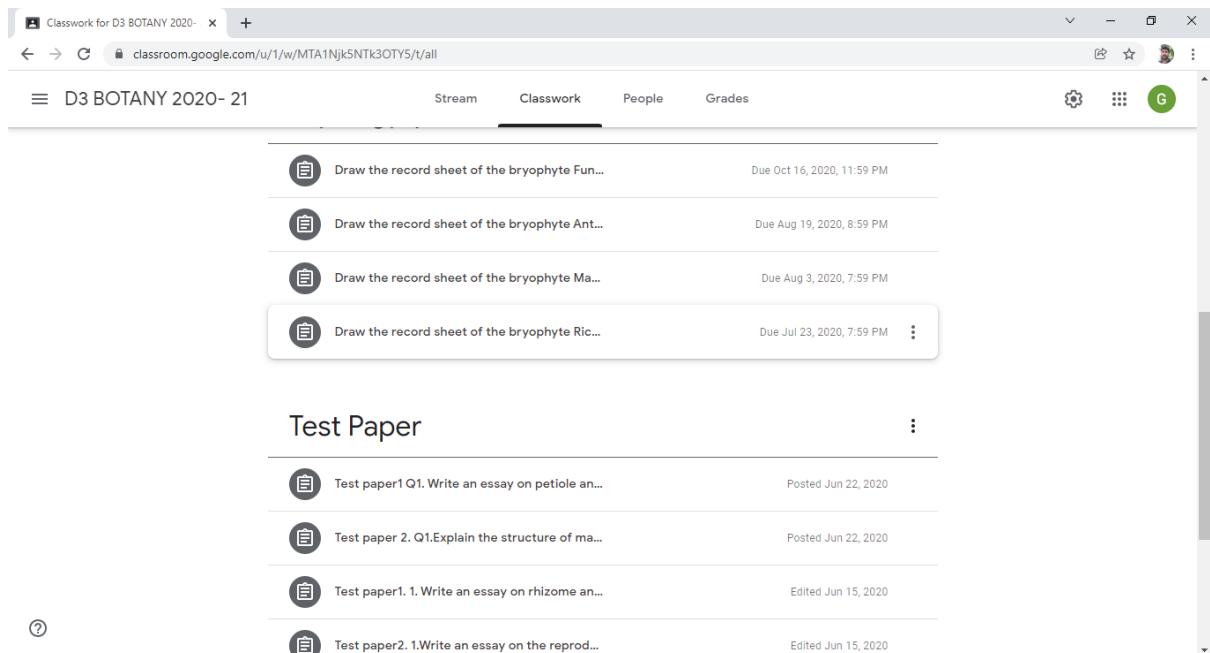
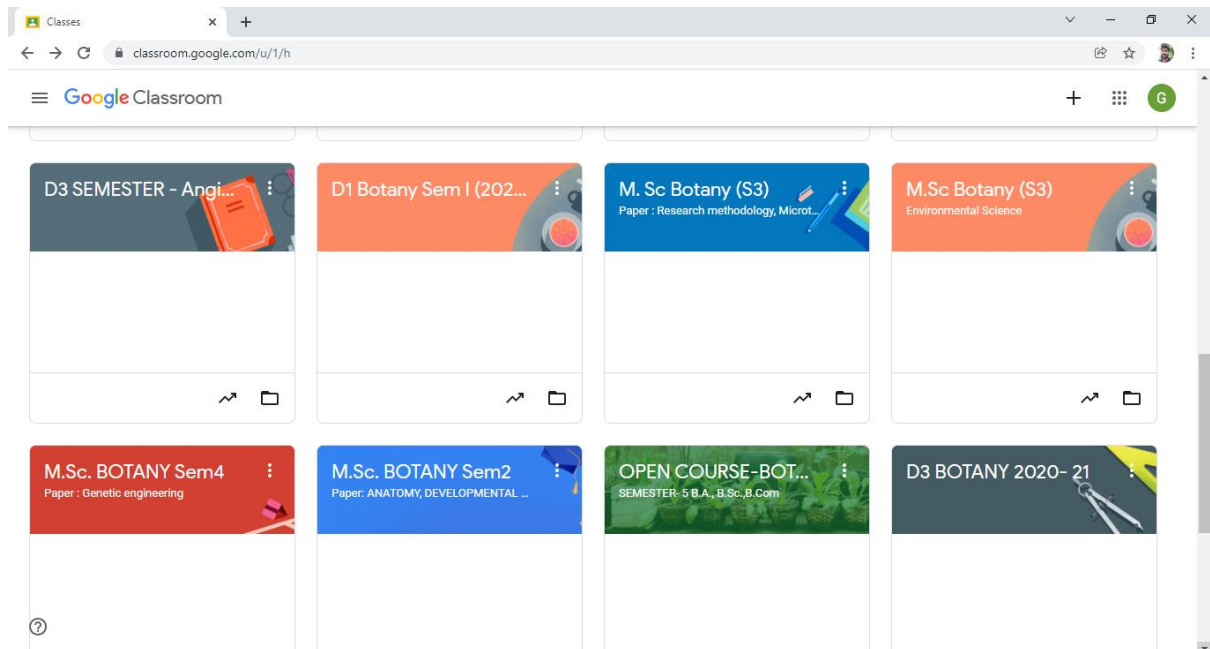
Series Expansion

Jump to...

Activate Windows
Go to Settings to activate Windows.



LMS used for delivery of lectures, PowerPoint presentations, assessment and documentation of student performance- Moodle, Microsoft teams and google classroom.





The Lab Manual for PhysioEx™ 10.0 Laboratory Simulations in Physiology

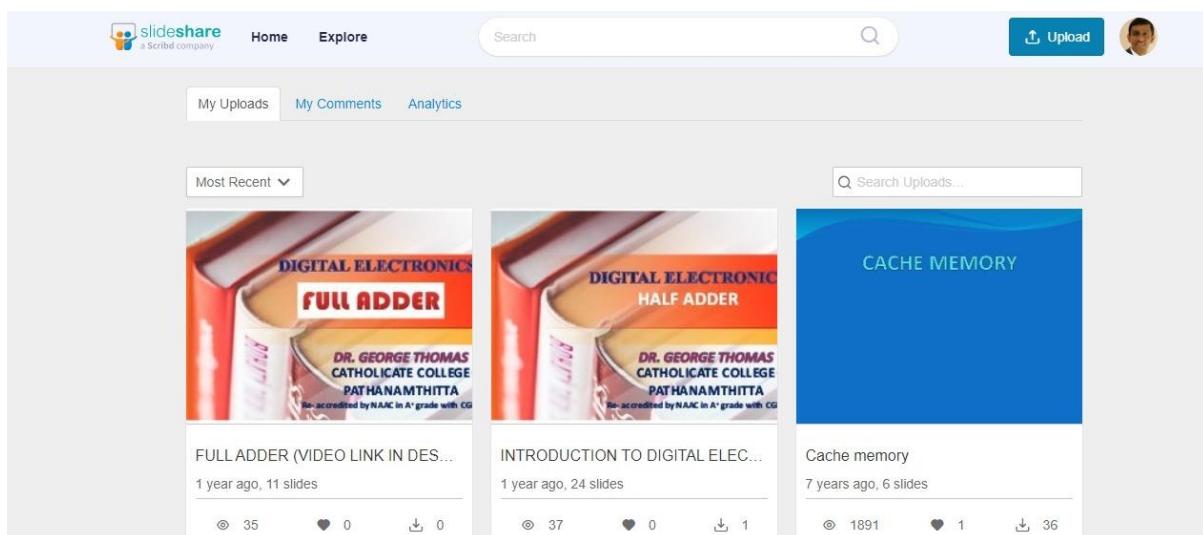
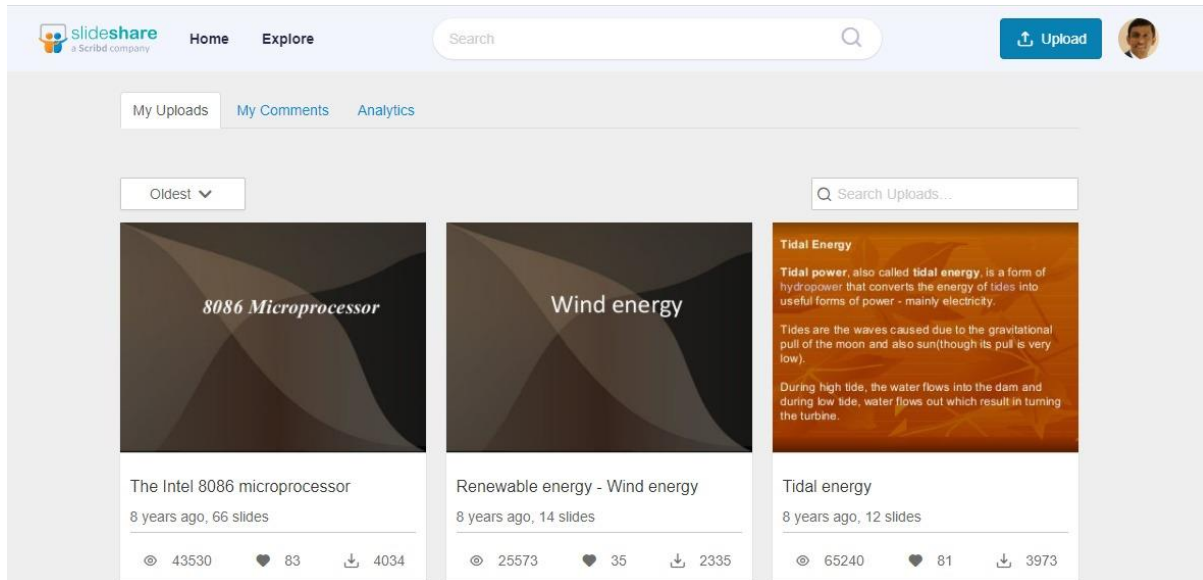
The screenshot shows the PhysioEx 10.0 interface. At the top, there's a navigation bar with the title "PhysioEx™ 10.0". Below it, a list of activities is displayed under two main exercise categories:

- Exercise 2: Skeletal Muscle Physiology**
 - Activity 1: The Muscle Twitch and the Latent Period
 - Activity 2: the Effect of Stimulus Voltage on Skeletal Muscle Contraction
 - Activity 3: The Effect of Stimulus Frequency on Skeletal Muscle Contraction
 - Activity 4: Tetanus in Isolated Skeletal Muscle
 - Activity 5: Fatigue in Isolated Skeletal Muscle
 - Activity 6: The Skeletal Muscle Length-Tension Relationship
 - Activity 7: Isotonic Contractions and the Load-Velocity Relationship
- Exercise 3: Neurophysiology of Nerve Impulses**
 - Activity 1: The Resting Membrane Potential
 - Activity 2: Receptor Potential
 - Activity 3: The Action Potential: Threshold
 - Activity 4: The Action Potential: Importance of Voltage-Gated Na⁺ Channels

The screenshot shows the simulation interface for "The Muscle Twitch and the Latent Period". The title bar includes "PEX The Muscle Twitch and the Latent Period" and a "Reset Activity" button. Below the title, there's an "Experiment" section with "UNDO" and "RESET" buttons, and an "Accessibility" link. The main area features a 3D diagram of a skeletal muscle fiber attached to a myograph. To the right, a graph displays "Force" on the y-axis (ranging from 0 to 2) and "Time (msec)" on the x-axis (ranging from 0 to 140). A red arrow indicates the start of the trace. Below the graph, there's a "Clear Tracings" button. At the bottom, there are "Prev" and "Next" buttons, and a "1 of 15" indicator. The Pearson logo and "ALWAYS LEARNING" tagline are visible at the very bottom.



Teachers upload power point presentations and video lectures on online open access platforms like slide share and YouTube





Teachers upload power point presentations and video lectures on online open access platforms like slide share and YouTube

The screenshot shows a YouTube channel page with a search bar at the top. The left sidebar contains navigation links: Home, Explore, Subscriptions, Library, History, Your videos, Your movies, Watch later, Liked videos, and Subscriptions. The main content area displays a grid of video thumbnails with titles and view counts. The videos are related to digital electronics and include:

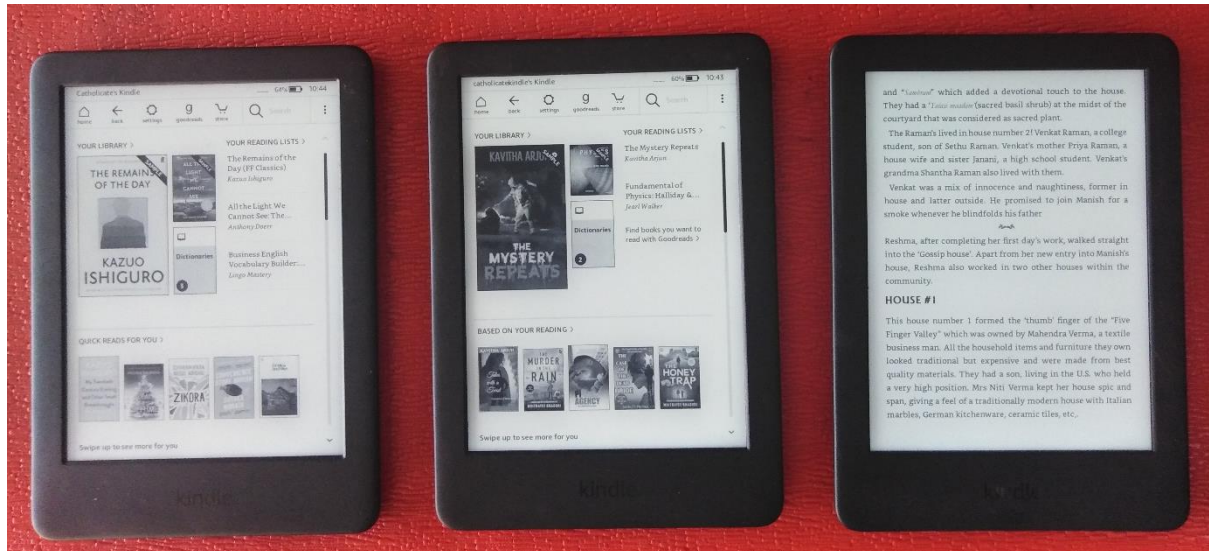
- Registers_Digital Electronics (67 views • 1 year ago)
- Master Slave & T Flip Flops (454 views • 1 year ago)
- J K & T Flip Flops (85 views • 1 year ago)
- Online Onam Celebration 2020 [Department of...
- Clocked S R Flip Flop & D Flip Flop (91 views • 1 year ago)
- Introduction to Flip-Flops & S R Flip-Flop (149 views • 1 year ago)
- QUIZZ: An Entertaining Online Quiz for Teachers /...
- DECODER & ENCODER WITH SIMULATION (286 views • 1 year ago)
- MULTIPLEXER & DEMULTIPLEXER WITH...
- INTRODUCTION TO SOLAR ENERGY AND SOLAR POND (86 views • 1 year ago)

The screenshot shows a YouTube Studio channel page for 'Your channel' (George Thomas). The left sidebar contains navigation links: Dashboard, Content, Playlists, Analytics, Settings, and Send feedback. The main content area displays a table of video uploads with the following columns: Video, Visibility, Restrictions, Date, Views, Comments, and Likes (vs. dislikes).

Video	Visibility	Restrictions	Date	Views	Comments	Likes (vs. dislikes)
Momentum Representation (Fourier A... The momentum representation of a wave function is very closely related to the...	Public	None	Apr 10, 2020 Published	1,847	2	97 35 li
Urban Heat Island Effect (UHI) A brief description about Urban Heat Island Effect-the phenomenon of...	Public	None	Apr 2, 2020 Published	64	0	100 2 li
Earth's Nutation Solution of Earth's Nutation using Laplace Transform	Public	None	Mar 29, 2020 Published	1,565	2	96 27 li
Driven Damped Oscillator using Lapla... Solution of driven damped oscillator using	Public	None	Mar 27, 2020 Published	1,095	1	95 22 li



Amazon Kindle devices available in the library offer the facility to download and read e-books and magazines



KIOSK facility is provided in the library for easy reference availability of all books, journals and periodicals are made possible through touch screen.



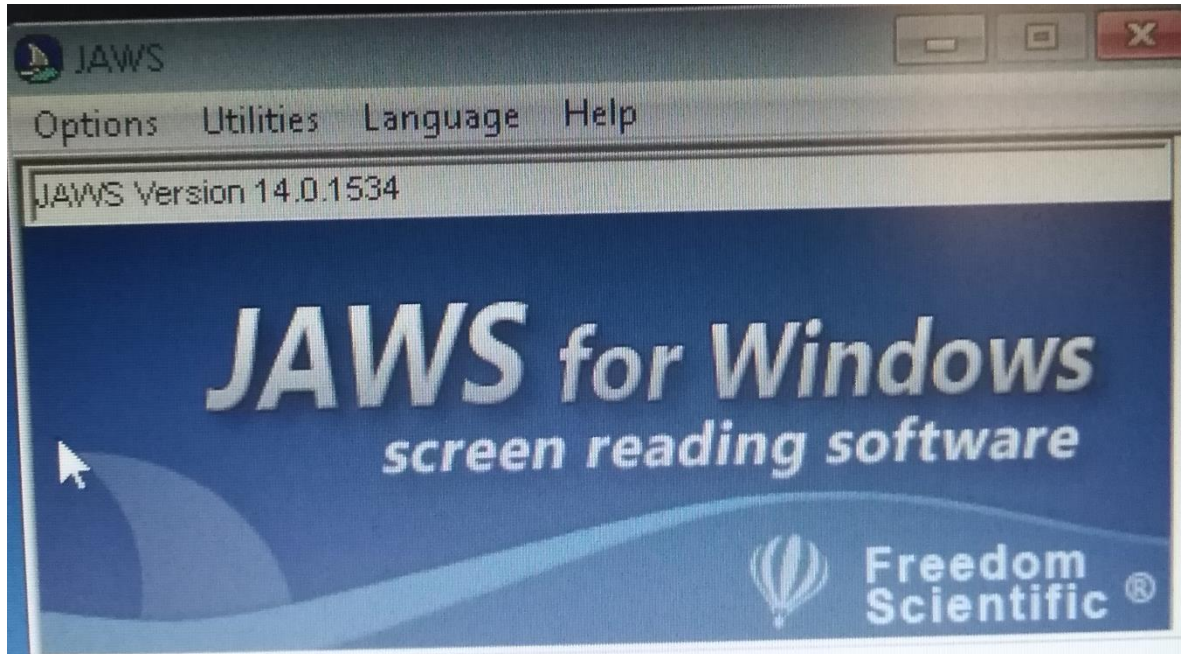


Computer Labs with high-speed internet facility





JAWS- The screen reading software for blind and visually impaired users



Facility for Reprography





Kahoot- game based learning platform

