USE OF ICT- ENABLED TOOLS INCLUDING ONLINE RESOURCES
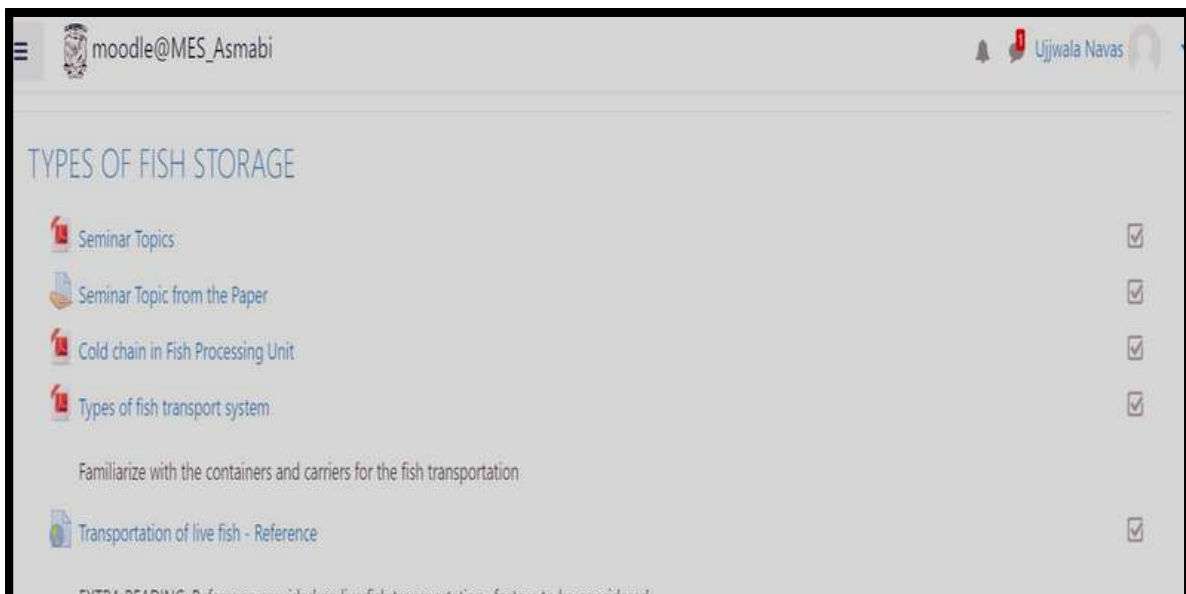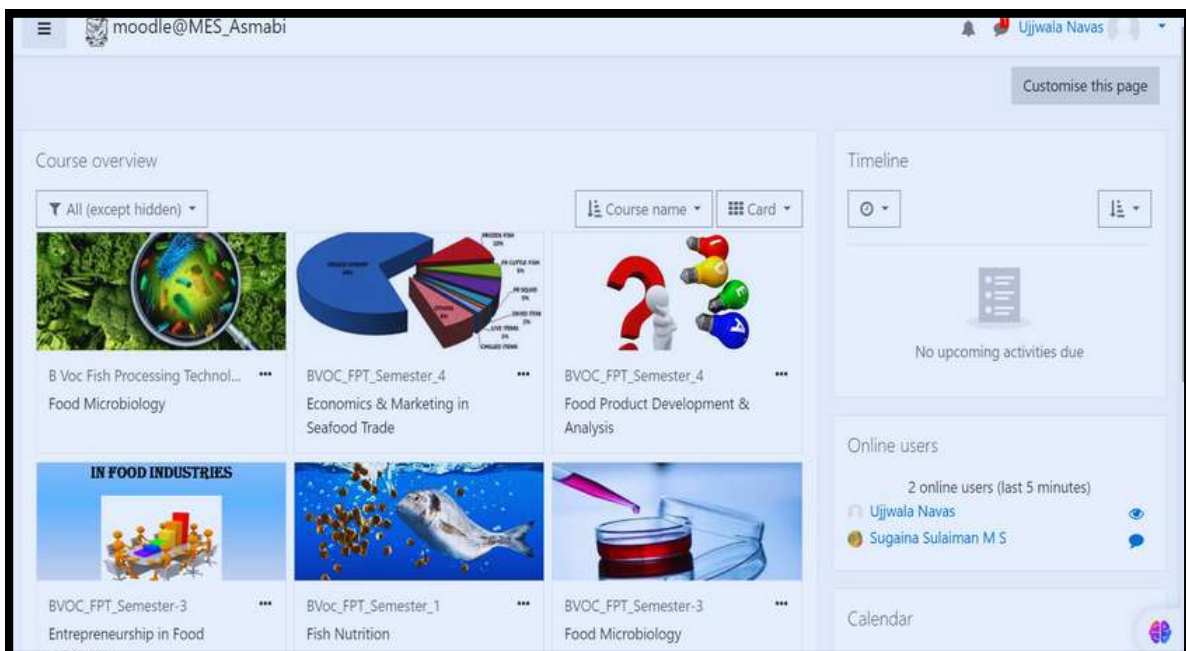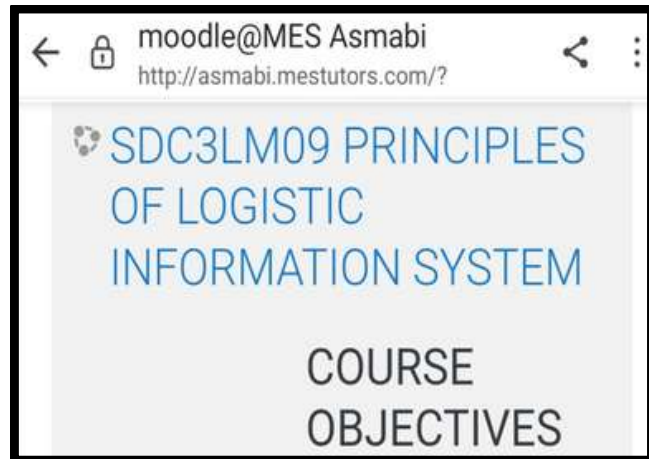

**MES ASMABI COLLEGE
P.VEMBALLUR**

- All faculties use Google classroom & Moodle for lesson / material sharing

- All faculties use Google Meet, Zoom etc. for live classes

- Recorded sessions (Recorded Google Zoom sessions, and / or Recorded classes in OBS Screen Studio) are posted in LMS

- Class / lesson posting / live session announcements and alerts are given via student whatsapp group and LMS.

- Teachers are using You tube videos, podcasts, various educational and training Apps and virtual reality

- Relevant video content from online resources are posted in LMS.

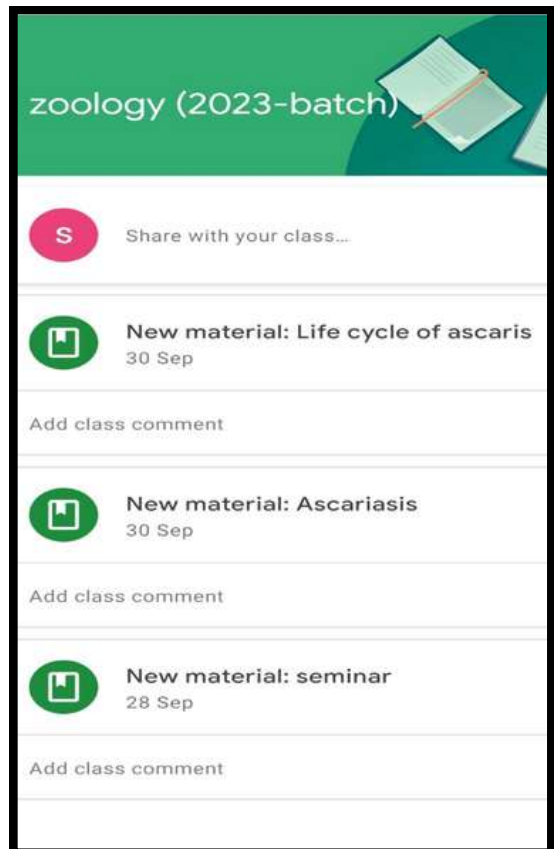- Teachers are are practicing and incorporating new AI tools ICT enabled teaching.

# CUSTOMISED MOODLE (MOODLE@MES ASMABI)

GOOGLE CLASSROOM

Google Classroom

Biochemistry Certificate Cou...
Nutritional and Clinical Biochemistry
18 students

B.Sc Aquaculture
Biochemistry VI (Complementary Course)
45 students

B.Sc Aquaculture
Biochemistry III (Complementary Course)
29 students

B.Sc Aquaculture
Biochemistry- II (Complementary)2nd Seme...
38 students

B.Sc AQUACULTURE
Biochemistry- I (Complementary)1st Semest...
45 students

BSc Psychology-Comp...
Semester III&IV
46 students

Google classroom helps in streamlined organization of assignments, materials, and communication for teachers and students in one place.
Facilitates collaboration through seamless sharing of documents, comments, and group projects.
Accessible from any device with an internet connection, providing flexibility and ease of use.
Efficient feedback and grading of assignments with features like rubrics and tracking student progress.
Seamless integration with other Google tools such as Drive, Docs, and Sheets for easy sharing and access.

zoology (2023-batch)

S Share with your class...

New material: Life cycle of ascaris
30 Sep
Add class comment

New material: Ascariasis
30 Sep
Add class comment

New material: seminar
28 Sep
Add class comment

GOOGLE MEET

To adapt to the challenges posed by Covid - 19, the college used Google Meet to establish Virtual classes throughout 2020 - 21, facilitating seamless learning for students with in the comfort of their own homes
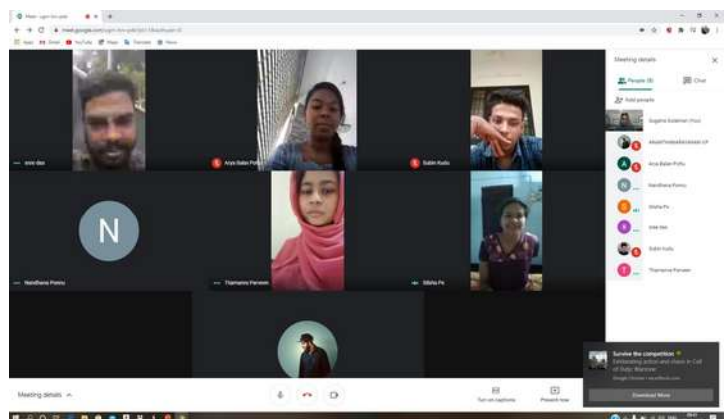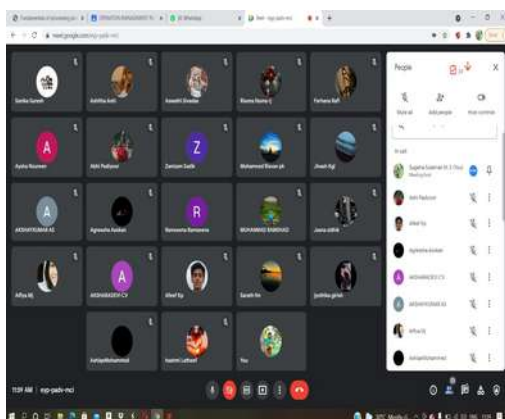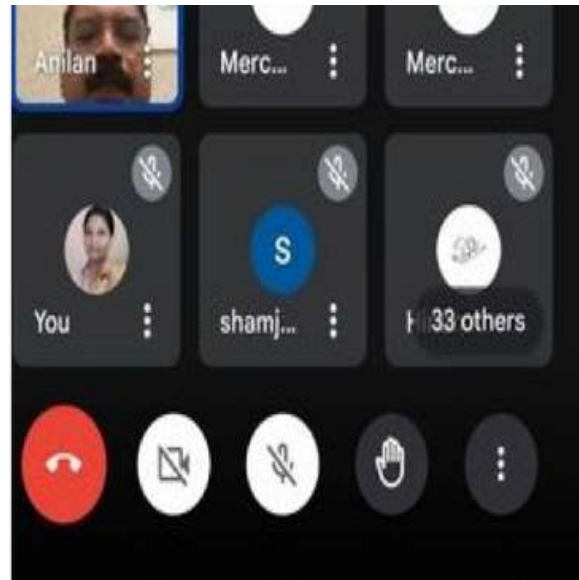
11 NOVEMBER 2020
I SEMESTER (11:40 TO 12:35)
TOPIC – GENERAL DISCUSSION ON PROGRAMME (AQUACULTURE) AND CORE PAPER (FISH BIOLOGY)
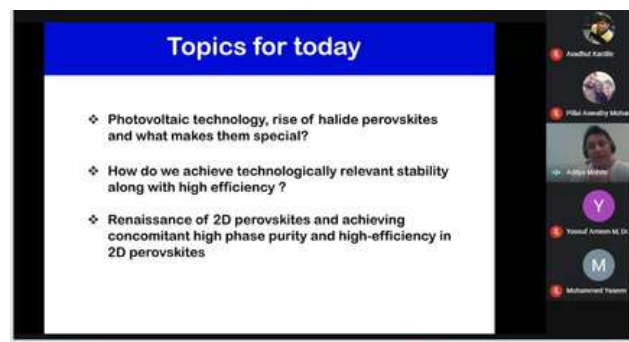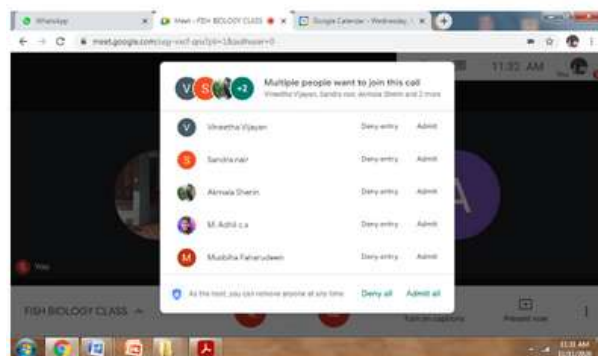
ZOOM
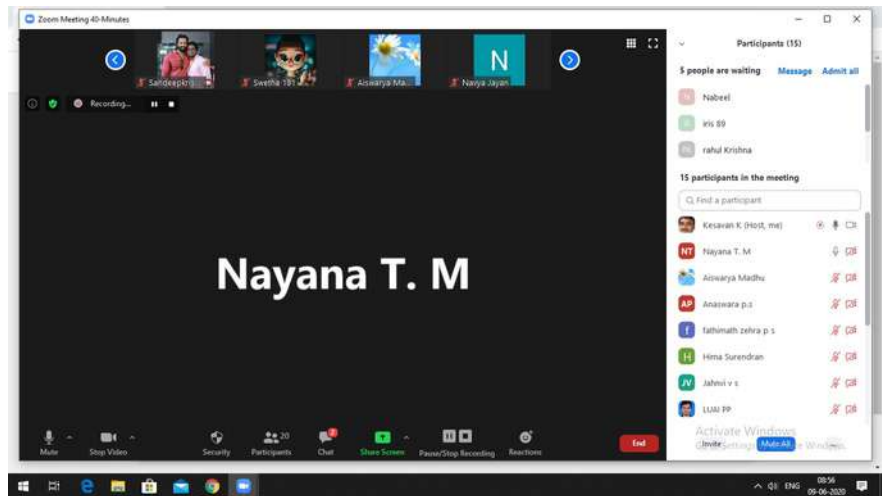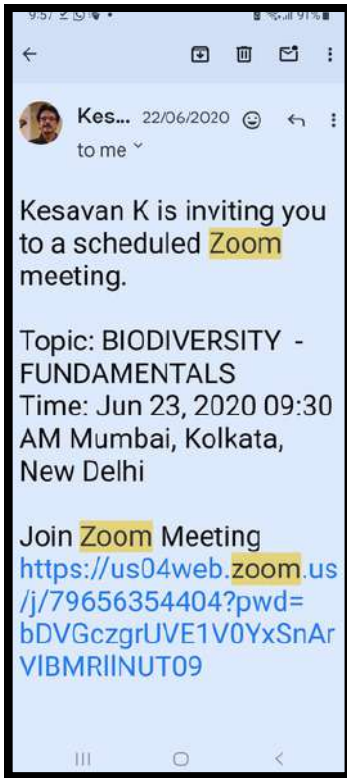
WEBEX

In addition to Google meet, teachers use Zoom and Webex Platforms for online classes especially during Covid Pandemic period

WHITE BOARD

LIVE CLASS ROOM USING BIGBLUEBUTTON

M- LEARNING

Delivering educational content through mobile devices, allowing learners to access materials anytime, anywhere. It Increased accessibility, flexibility, and convenience.
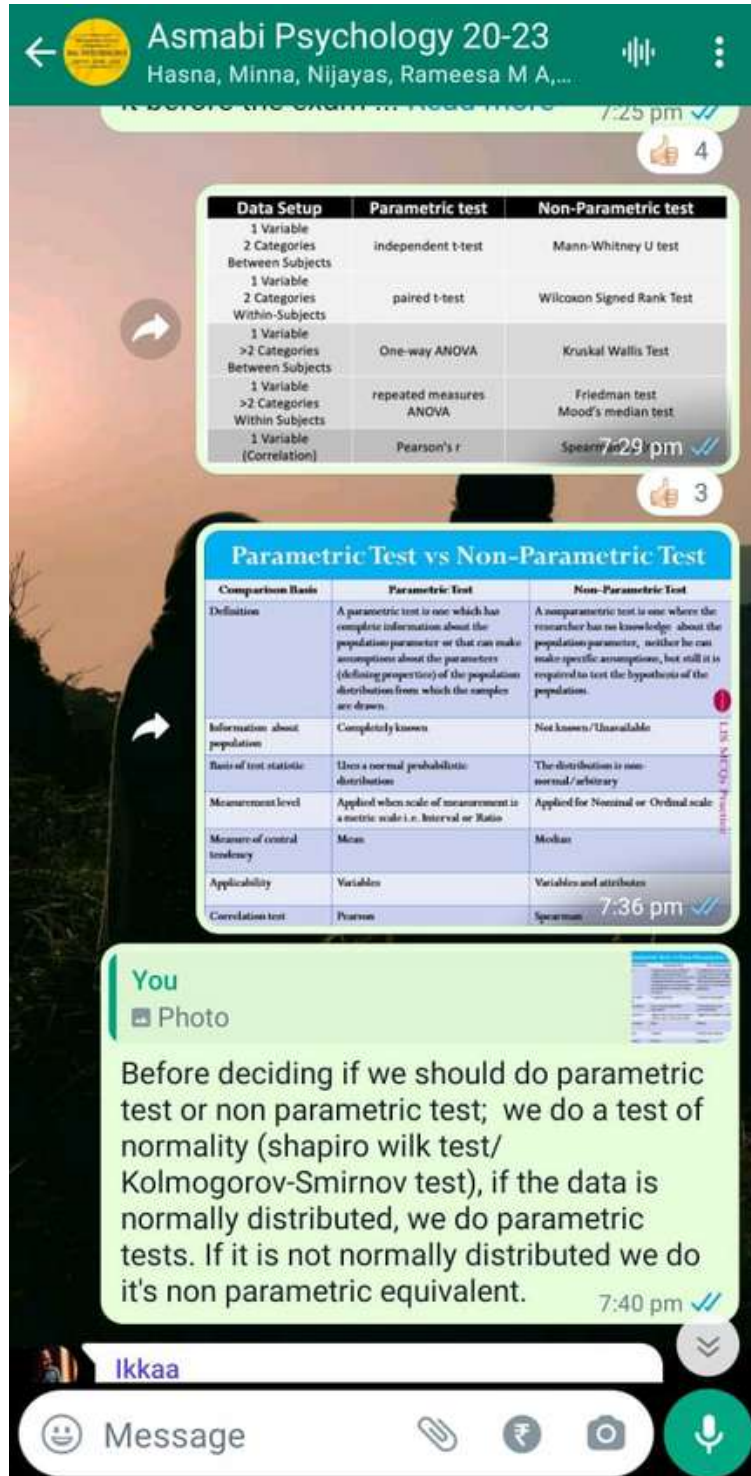
WHATSAPP

Whatsapp emerged as the Primary Platform for disseminating all essential information to students, owing to its user friendly interface, minimal data consumption and instantaneous delivery of information. These factors collectively contributed to making whatsapp the most widely utilized communication tool
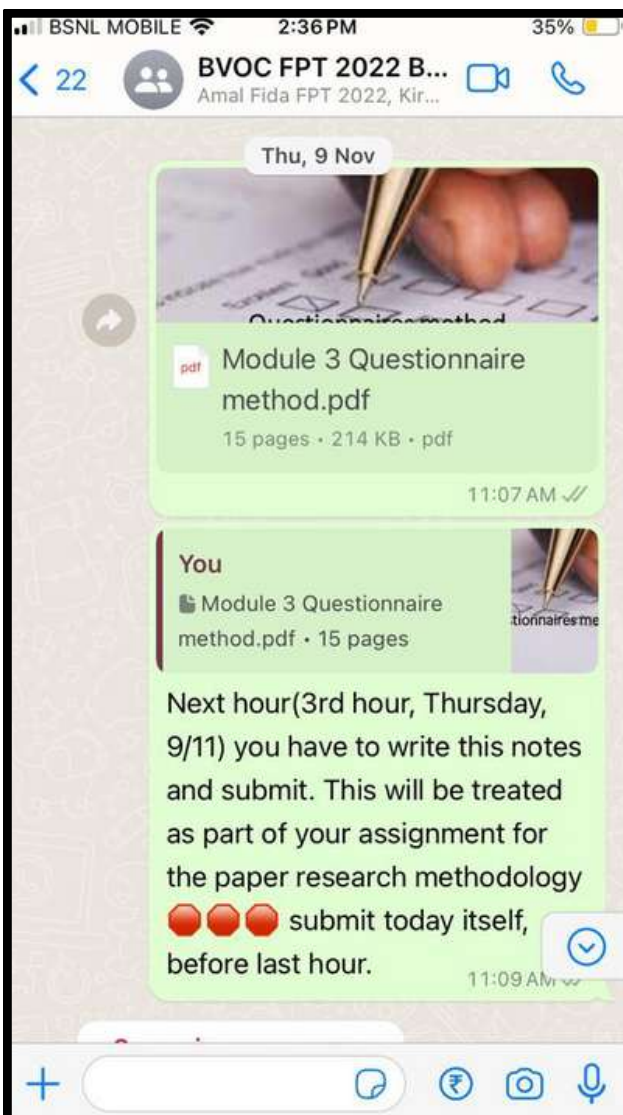
POWER POINT PRESENTATIONS

PowerPoint facilitates the delivery of information in a concise and visually appealing format, making it easier for students to grasp and retain key concepts.
Additionally, the use of visuals, such as graphs, charts, and images, can cater to different learning styles and enhance overall comprehension.
They provide a visual aid that can enhance the understanding of complex topics

VIRTUAL LAB

The different practical tests in Microbiology was explained through the digital tool, virtual lab in the Computer lab. The techniques such as gram staining, aseptic techniques and bacterial motility were demonstrated using the Amrita Vishwa Vidyapeetham Virtual Lab.

Virtual labs allow students to conduct many experiments that might be challenging in physical laboratories due to safety concerns. These labs benefit both teachers and students by saving time and effort, as there is no need to adhere to specific schedules for lab access to travel between locations.
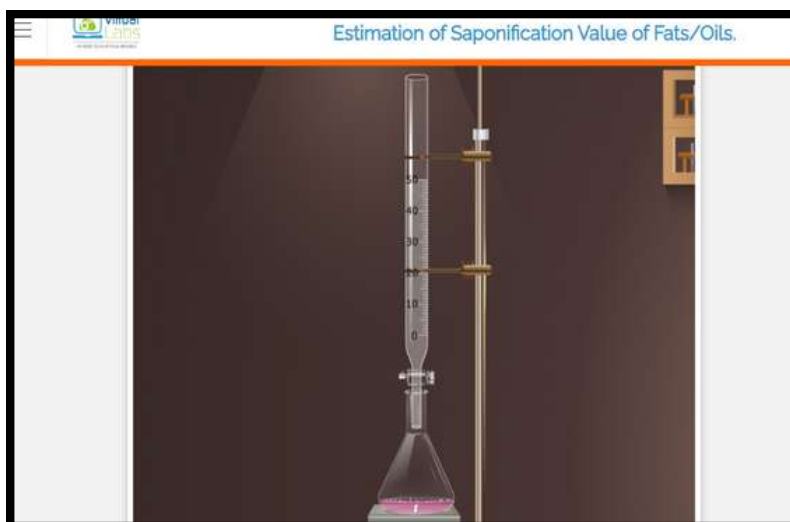
Amrita Virtual Lab is regularly used for familiarizing the students with advanced techniques in bioinformatics. The students are able to effectively understand the utility and usage of online databases. UniProt is cited as example

VIRTUAL REALITY
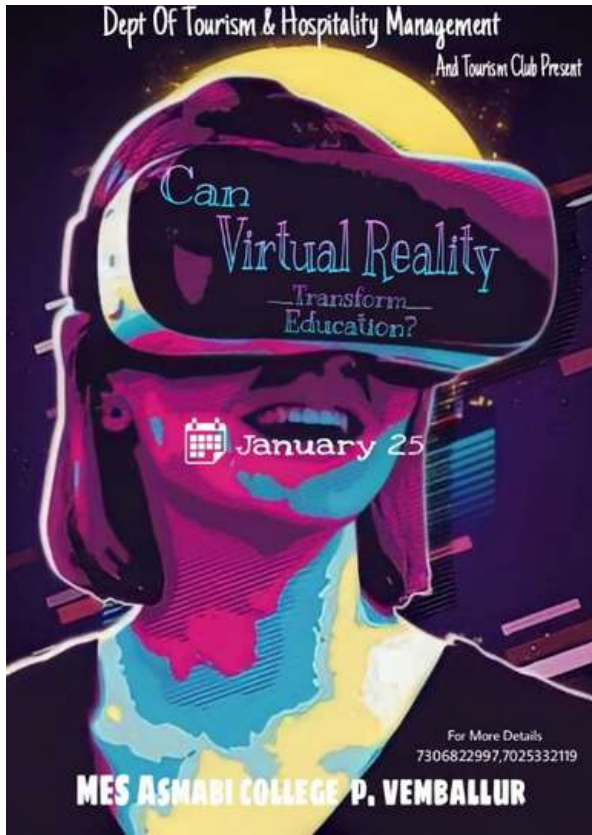
The Department of Tourism and Hospitality Management orchestrated a virtual presentation on tourism reality, aiming to raise awareness among students about the potential of virtual reality. The session provided an opportunity to virtually travel to various destinations, offering a unique experience of exploring different places through virtual reality

YOU TUBE CHANNEL
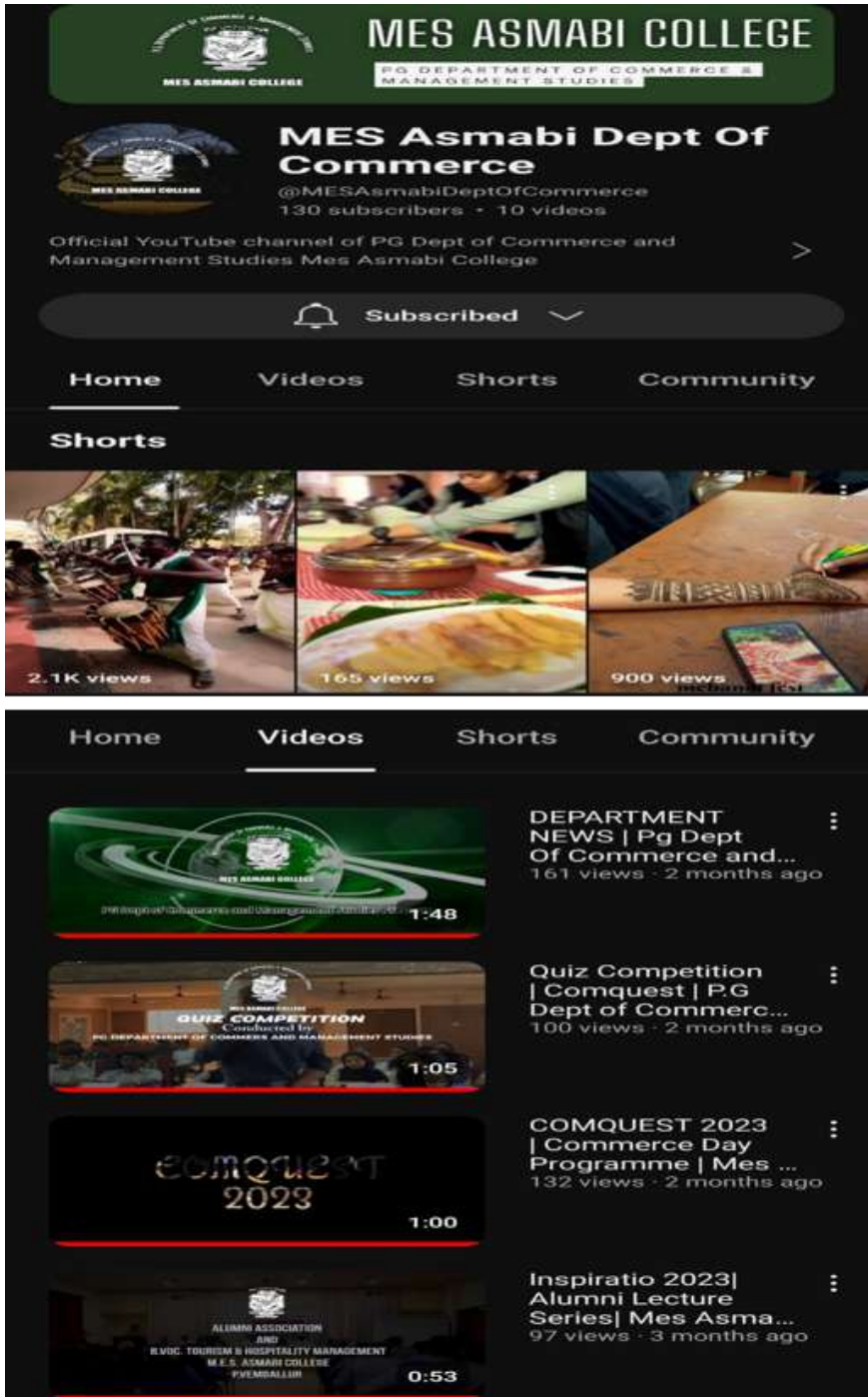
The inception of a YouTube channel by students in the PG Department of Commerce and Management Studies not only enhances skills through practical application, but also fosters a dynamic learning environment. This innovative teaching method facilitates the development of communication, presentation, and digital proficiency, offering students valuable hands-on experience that contributes to both their academic and professional growth.
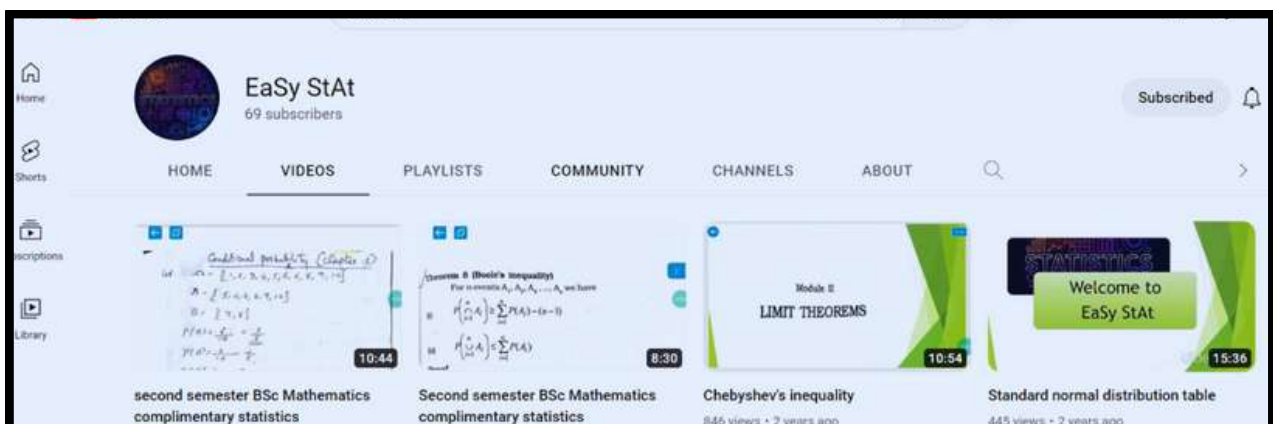
YouTube Videos

Mars in the Seventh House by R K Narayan
This session introduces the writer R K Narayan and discusses his short story Mars in the Seventh
youtube.com

https://youtu.be/Rw2_qYdf2IU?si=YPecWD-aL9rT8oEZ
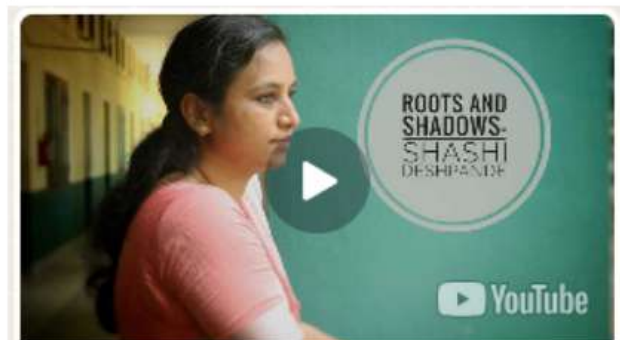
Roots and Shadows by Shashi Deshpande
This session introduces the author Shashi Deshpande and discusses the protagonist Indu's
youtube.com

https://youtu.be/0X3DSZsXwtI?si=AxHUZR-aY8FXb09a
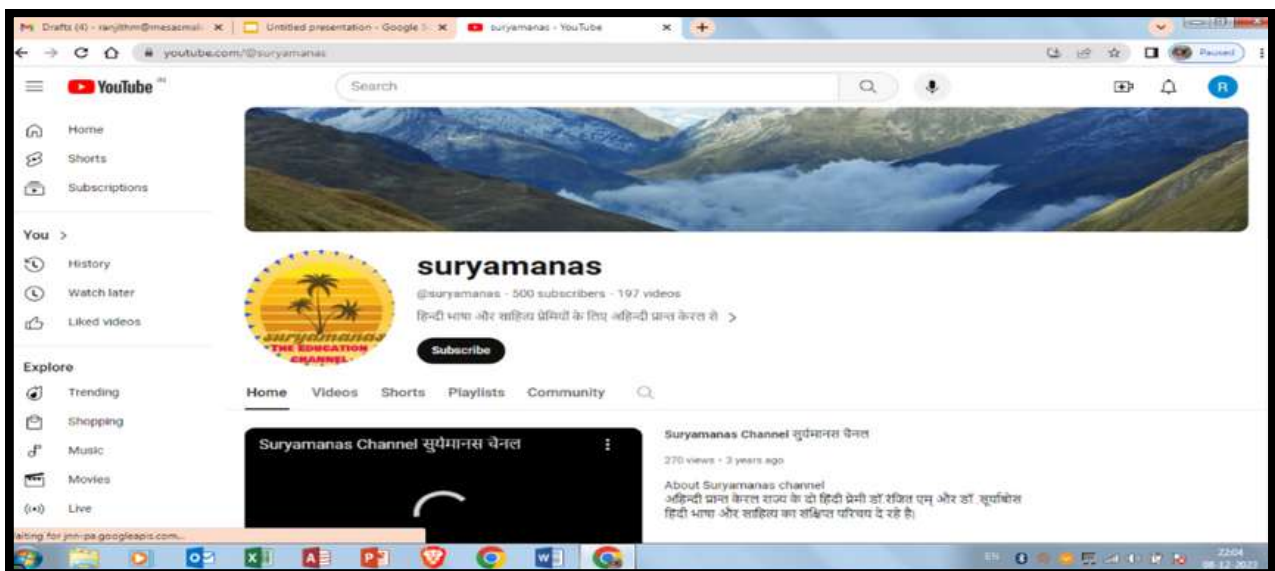
Link to video

Link to video

E CONTENT YOUTUBE VIDEOS

Link to video

Link to video

Link to video

Link to video
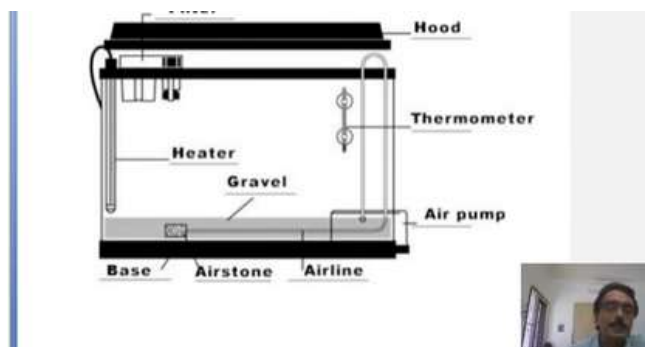
Link to video

Link to video

Blogs on various topics serve as valuable resources aiding students in their learning journey

Hindi Adhyayan Mandal Blog

FLIPPED CLASSROOM

Implementing a flipped classroom approach involves directing students to watch video content before a session. Direct them to watch instructional videos relevant to upcoming topics, provide clear guidelines on focus areas, and encourage active note - taking for effective preparation
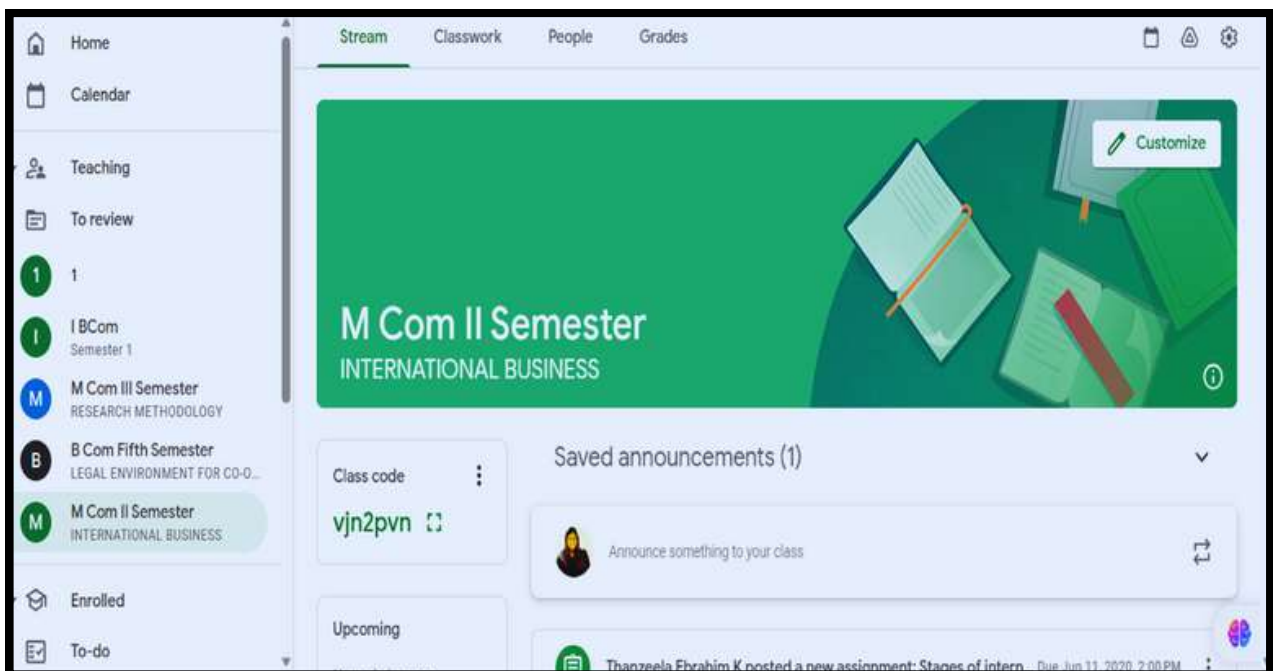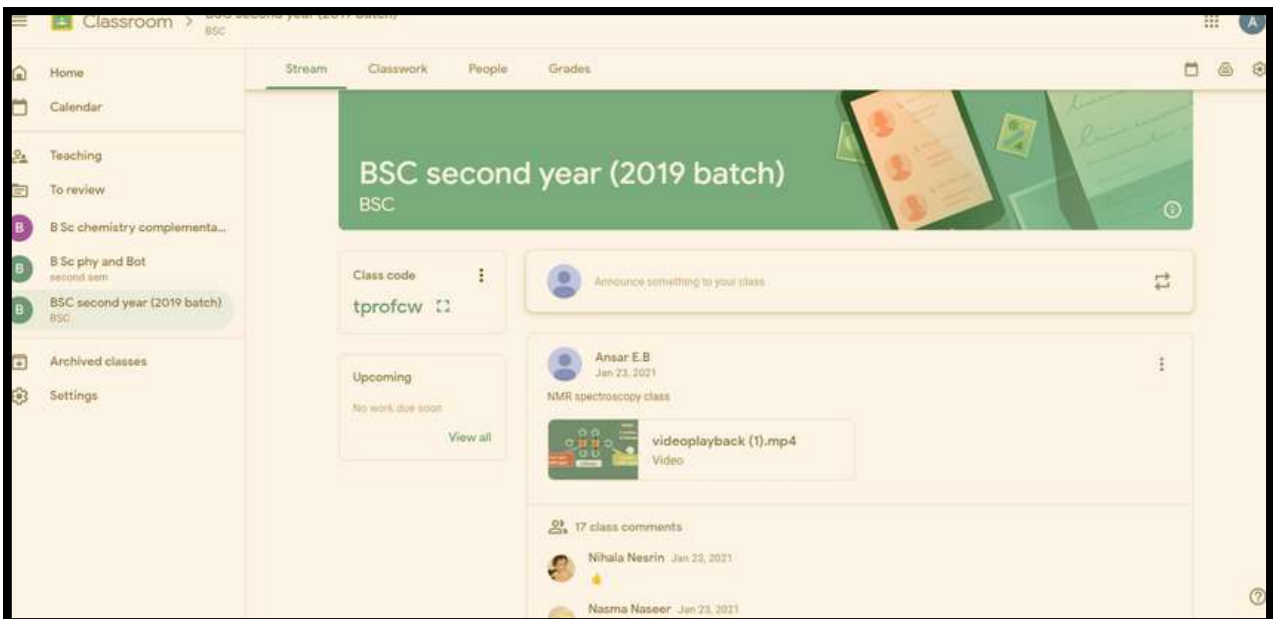
ONLINE – OFFLINE BLEND CLASSROOM
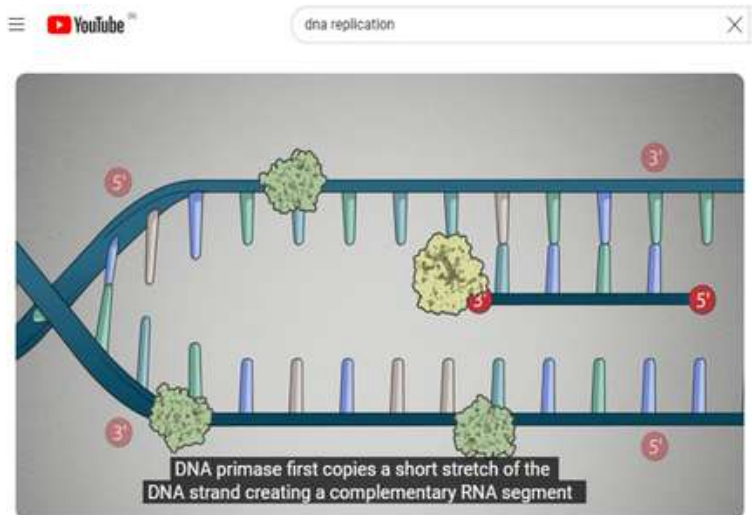
Basic Molecular Biology: Basic Science – DNA Replication

Hybrid or blended learning involves combining traditional face-to-face instruction with online learning experiences. Contents are delivered on LMS (both Moodle and Google Classroom). Quiz for assessment was posted in Moodle for more efficient , precise and time-bound evaluation.

Prior to class, students engage with new content through brief online videos available on both YouTube and the Learning Management System (LMS). During class, the focus shifts to discussion, collaboration, and practical application of the material.

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ONLINE CLASSES DURING COVID PANDEMIC

V SEMESTER (8:30 TO 9:30 & 11:40 TO 12:35)

III SEMESTER (10:30 TO 11:25 & 12:35 TO 01:30)

	TOPICS SHARED	TYPE OF DOCUMENT
GOOGLE CLASSROOM V SEMESTER (8:30 TO 9:30 & 11:40 TO 12:35)	1. THE BASICS OF SONAR	PPT
	2. TRANSOM MOUNT TRANSDUCER BASICS BY THE GPS STORE	YOU TUBE VIDEO
	3. TOTALSCAN TRANSDUCER INSTALLATION (SIMRAD GO7 XSE FISH FINDER)	YOU TUBE VIDEO
	4. A METHOD TO AUTOMATICALLY DETECT FISH AGGREGATIONS USING HORIZONTALLY SCANNING SONAR - FOR ADVANCED READING	PDF
	5. SONAR - NOTES	WORD
	6. REPORT ON SONAR - STUDY MATERIAL	PDF
	7. UNDERSTANDING SONAR - LEARN HOW TO UNDERSTAND 2D DOWN SCAN AND SIDE SCAN SONAR.	YOU TUBE VIDEO
	8. SONAR 1 (PDF OF PPT)	PDF
	9. UNDERSTANDING YOUR FISH FINDER - SONAR FOR BEGINNERS	YOU TUBE VIDEO
	10. SONAR & NET SONDE- NOTES	WORD
GOOGLE MEET ONLINE CLASS III SEMESTER (10:30 TO 11:25 & 12:35 TO 01:30)	TOPIC 1 – MITIGATIONS OF OVERFISHING TOPIC 2 – FISH STOCK ASSESSMENT	

08 OCTOBER 2020

V SEMESTER (8:30 TO 9:30 & 10:30 TO 11:25)

	TOPIC SHARED	TYPE OF DOCUMENT
GOOGLE CLASSROOM V SEMESTER (8:30 TO 9:30 & 10:30 TO 11:25)	1. VALUE ADDED FISH PRODUCTS	PPT
	2. HOW TO BARBECUE FISH	YOU TUBE VIDEO (04 MIN)
	3. VANNAMEI NOBASHI PROCESSING BY THIMEX	YOU TUBE VIDEO (04 MIN)
	4. HOW TO MAKE BUTTERFLY SHRIMP AND EBI NIGIRI	YOU TUBE VIDEO (12 MIN)
	5. COATING SEAFOOD	YOU TUBE VIDEO (07 MIN)
	6. FISH FINGERS RECIPE I HOW TO MAKE FISH FINGER	YOU TUBE VIDEO (05 MIN)
	7. BREADED FISH FILLET	YOU TUBE VIDEO (06 MIN)
	8. FISH BY-PRODUCTS	PDF
	9. UTILIZATION OF FISH WASTE	PDF
	10. GLUCOSAMINE HYDROCHLORIDE- WebMD	WORD
	11. CCRF & BIODEVERSITY	PDF
	12. WHY IS THE FAO CODE OF CONDUCT FOR RESPONSIBLE FISHERIES IMPORTANT?	YOU TUBE VIDEO (04 MIN)
	13. GLUCOSAMINE PLAYS A VITAL ROLE IN BUILDING AND REPAIRING CARTILAGE	WORD
	14. PROCESSING SEA CUCUMBERS INTO BECHE - DE - MER: A 'HOW TO' TRAINING VIDEO	YOU TUBE VIDEO (21 MIN)
	15. HOW TO FILLET EVERY FISH I METHOD MASTERY I EPICURIOUS	YOU TUBE VIDEO (34 MIN)

ONLINE QUESTION PAPER DOWNLOADING

Question papers for University examinations downloaded through University portal contributes to ensuring transparency in the examination process and minimises the risk of irregularities or discrepancies

VIDEOS OF PRACTICAL EXPERIMENTS

Videos of practical experiments help students by providing visual representation and step - by-step demonstrations of the experiments. This visual learning tool enhances comprehension, reinforos theoretical knowledge, and allows students to observe procedures they may not have the opportunity to perform in a physical lab

LINK TO VIDEO
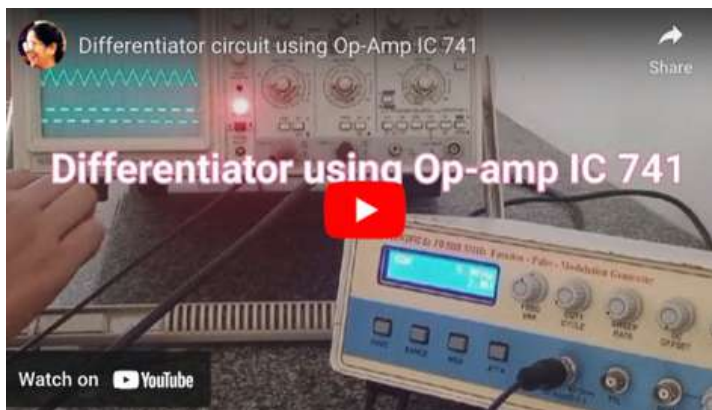
LINK TO VIDEO

LINK TO VIDEO

LINK TO VIDEO

RECORDED VIDEO CLASSES

Recorded videos benefit students by providing flexibility in learning, allowing for review and revision at their own pace. It enhances accessibility and engagement in the learning process

PODCAST

Podcasts offer a convenient way to access wide range of topics, enhance learning through auditory engagement and provide flexibility in consuming information. Students can listen to podcasts while engaged in other activities, making it a versatile supplement to traditional learning methods
Podcast URL: anchor.fm/mona-v-m
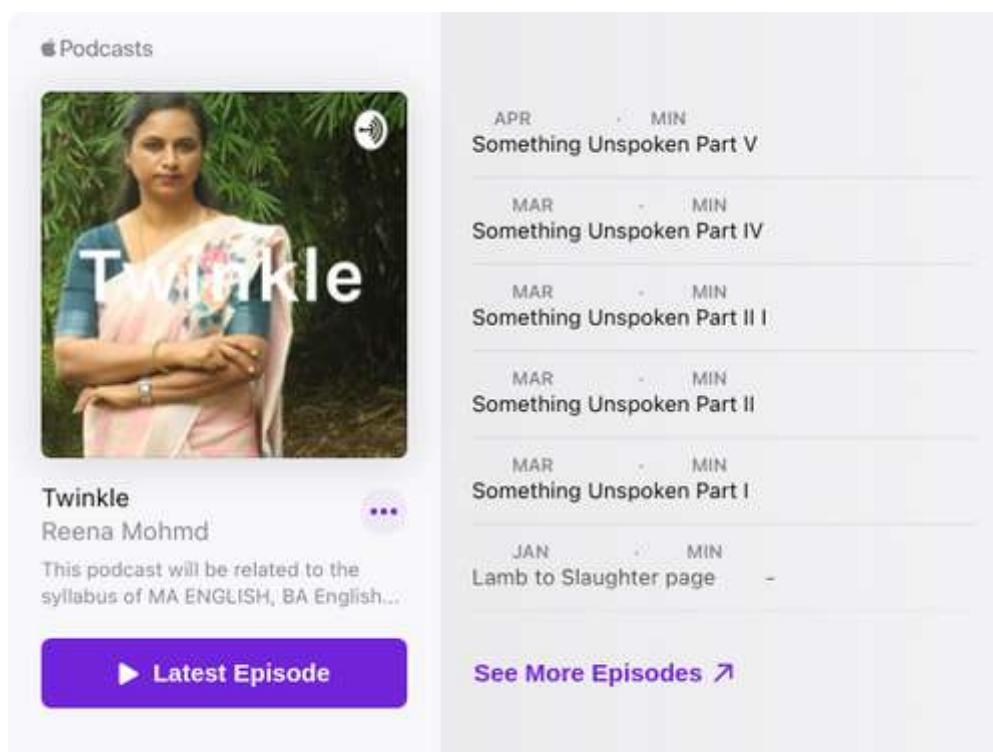
FM RADIO

AUDIO BOOKS

ONLINE EXAMINATION
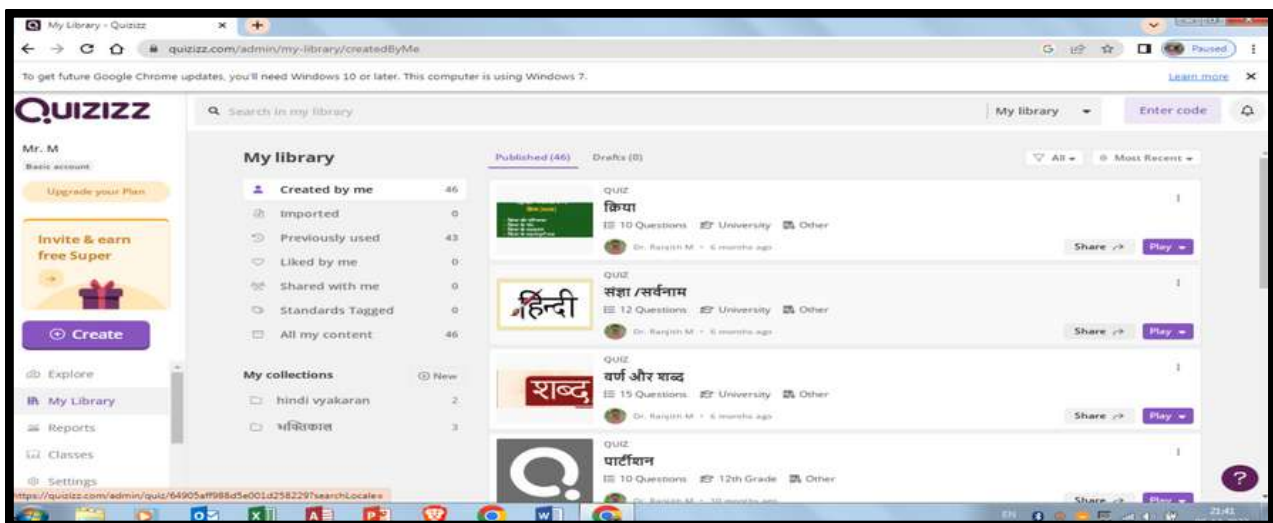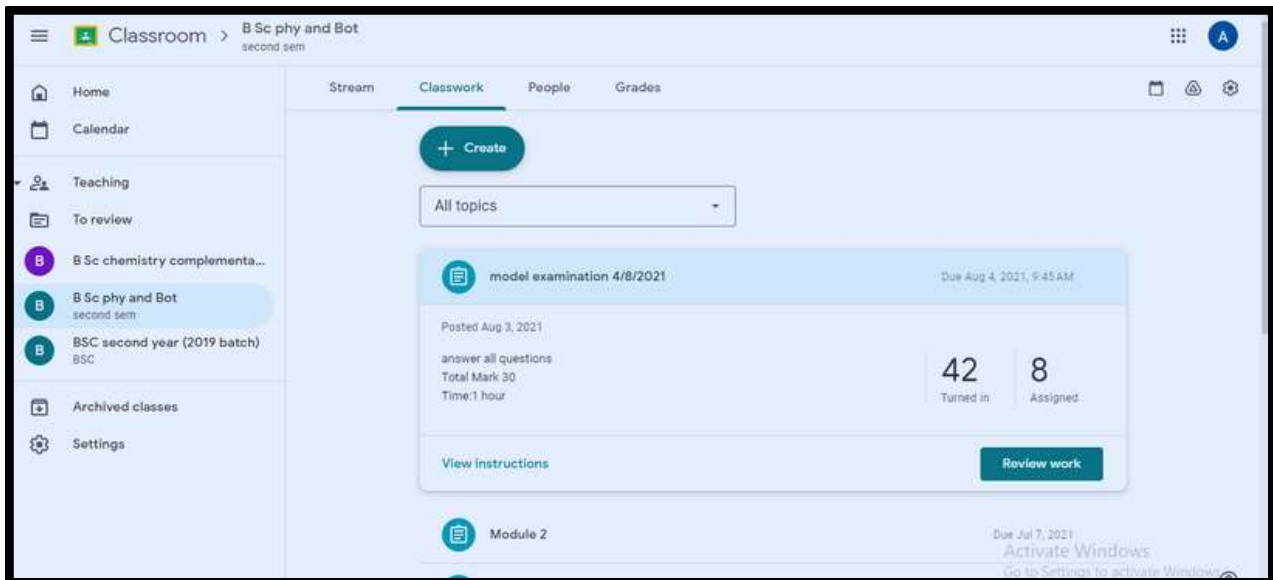
Online exams during Covid - 19 became a necessity to ensure the continuity of education while maintaining social distancing

USE OF SOFTWARES AND APPS
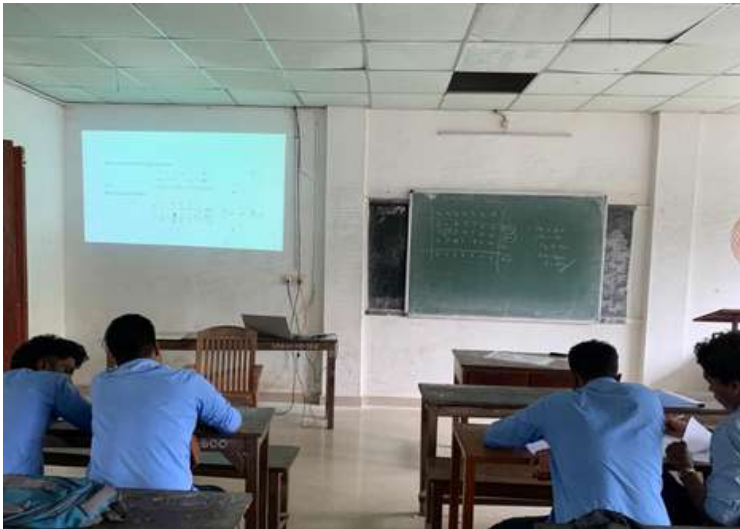
PLOTTING GRAPHS USING GEOGEBRA (MATHEMATICAL SOFTWARE)

CANVA

College provides training in Canva app and all teachers use Canva design app for documentation and presentation preparation. Most of the supporting documents in this SSR are prepared by teachers and students using Canva App
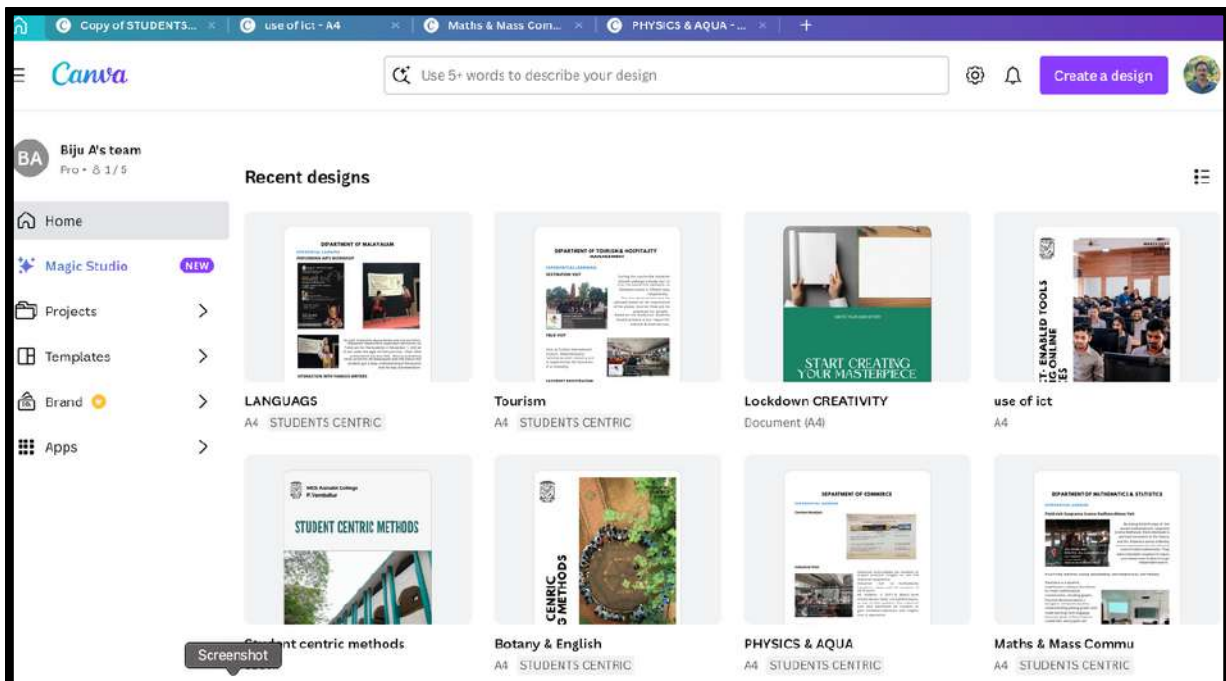
TRAINING OF NEW SOFTWARES TO TEACHERS
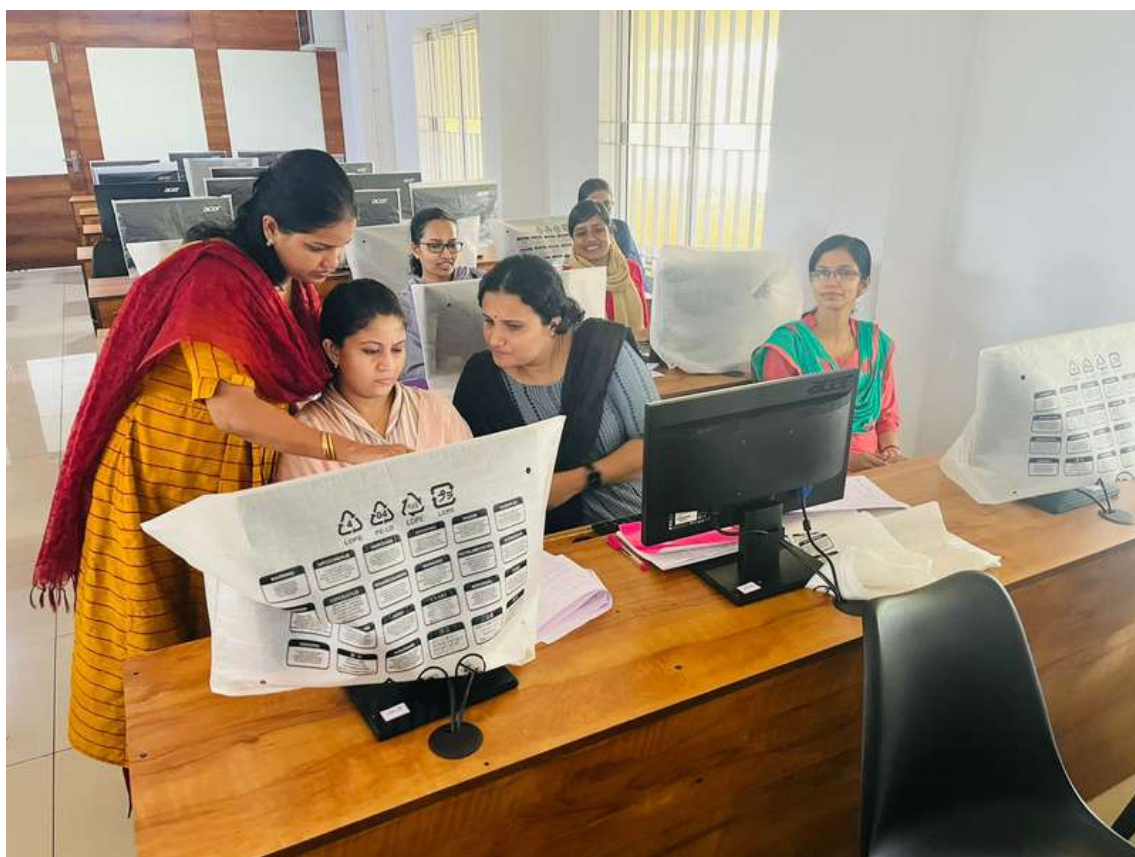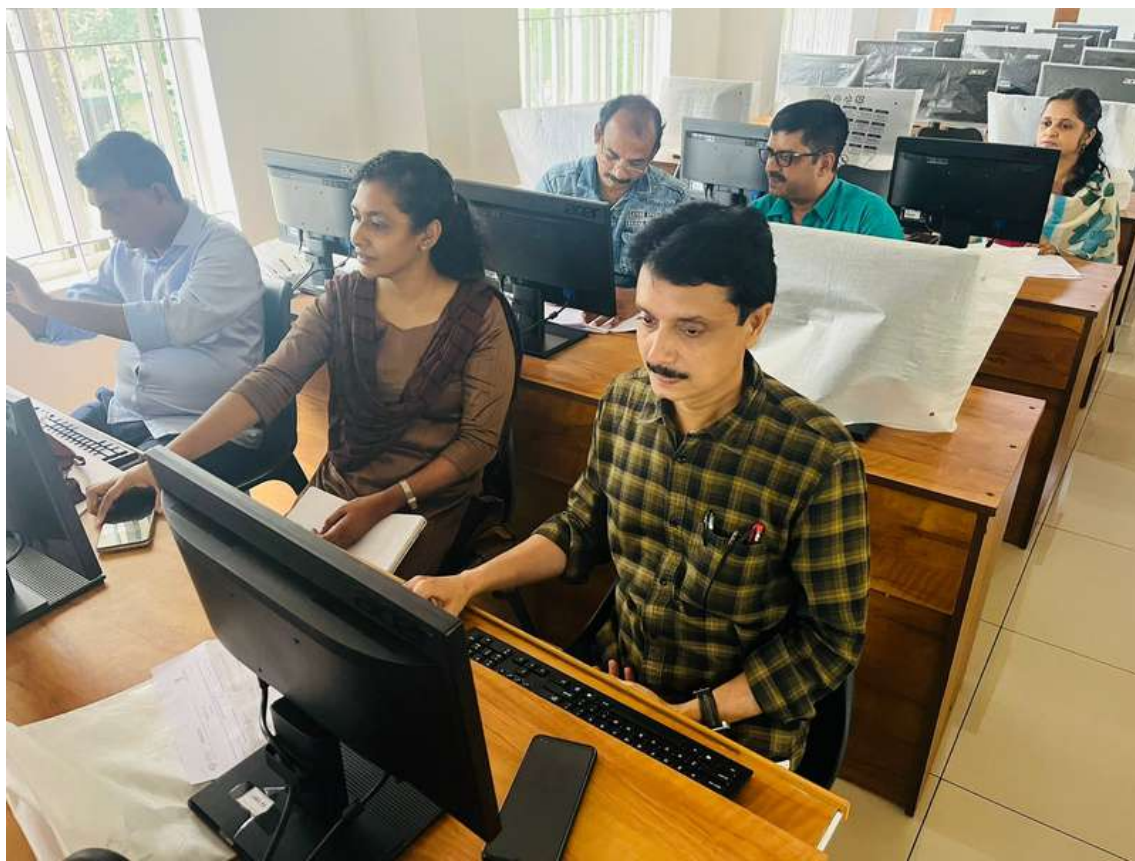
ONLINE TRAINING PROGRAMMES

Prof. Sarun, Department of Physics IIT Dhanbad, resource person for online training programme on X rays and its research applications

TRAINING USING APPS

SKILL SHARE APP
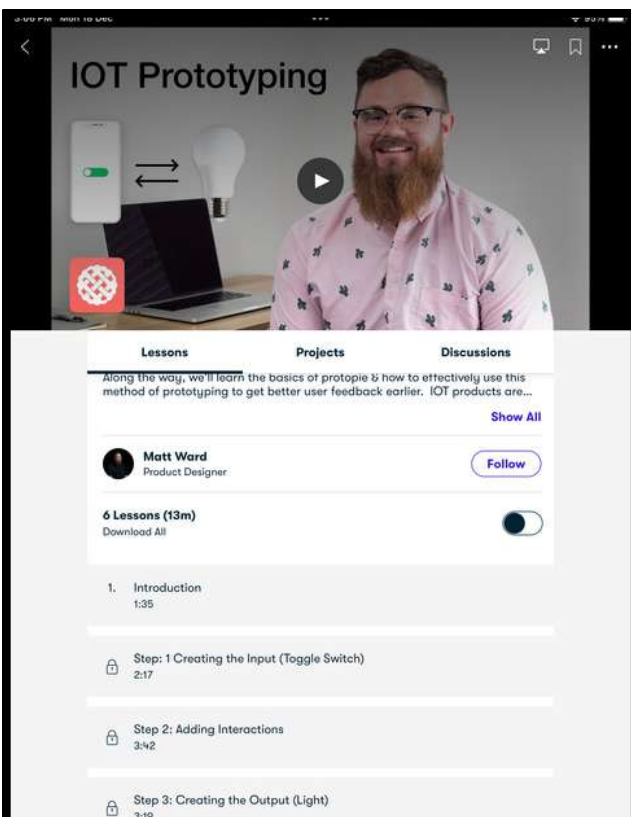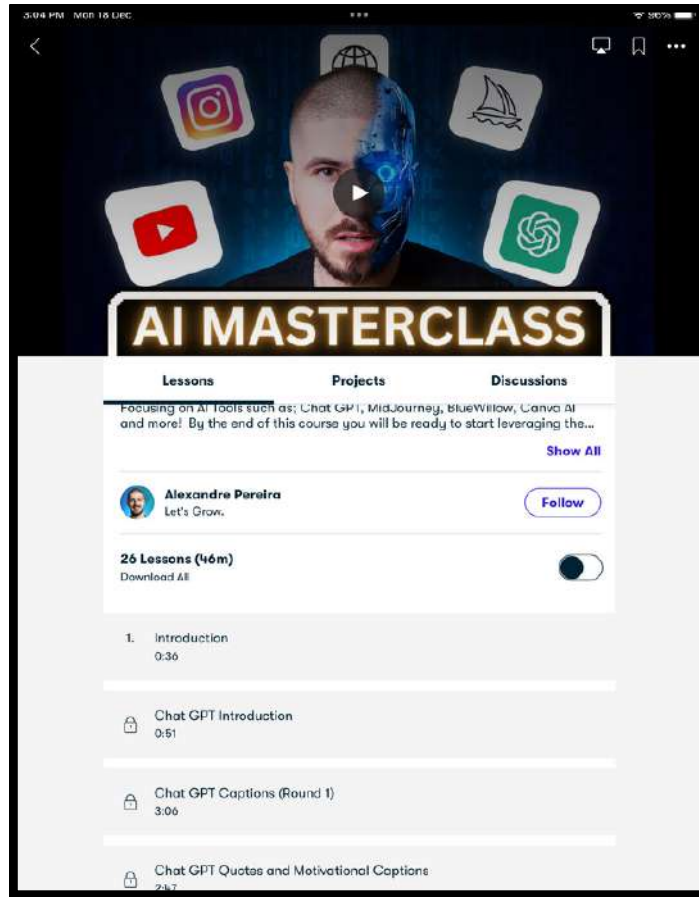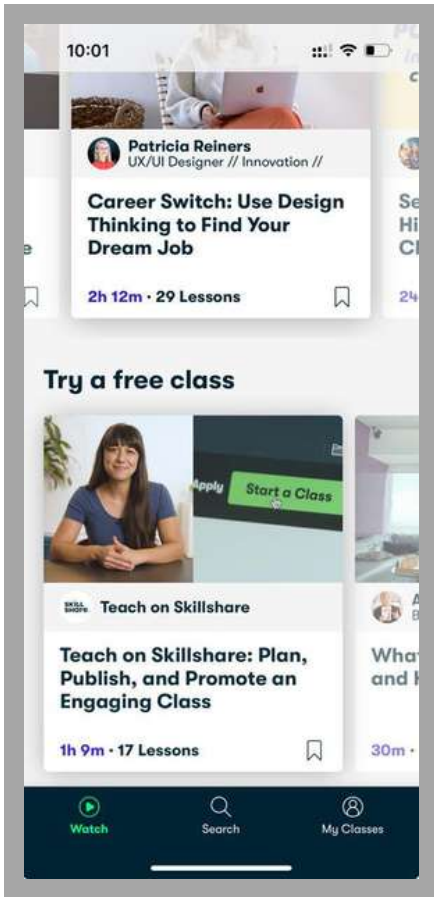
The Skill share App is a popular online learning platform that offers a variety of courses on diverse topics including creative skills. The college purchased this app as it allows the students to enhance their skills at their pace

USE OF AI TOOLS
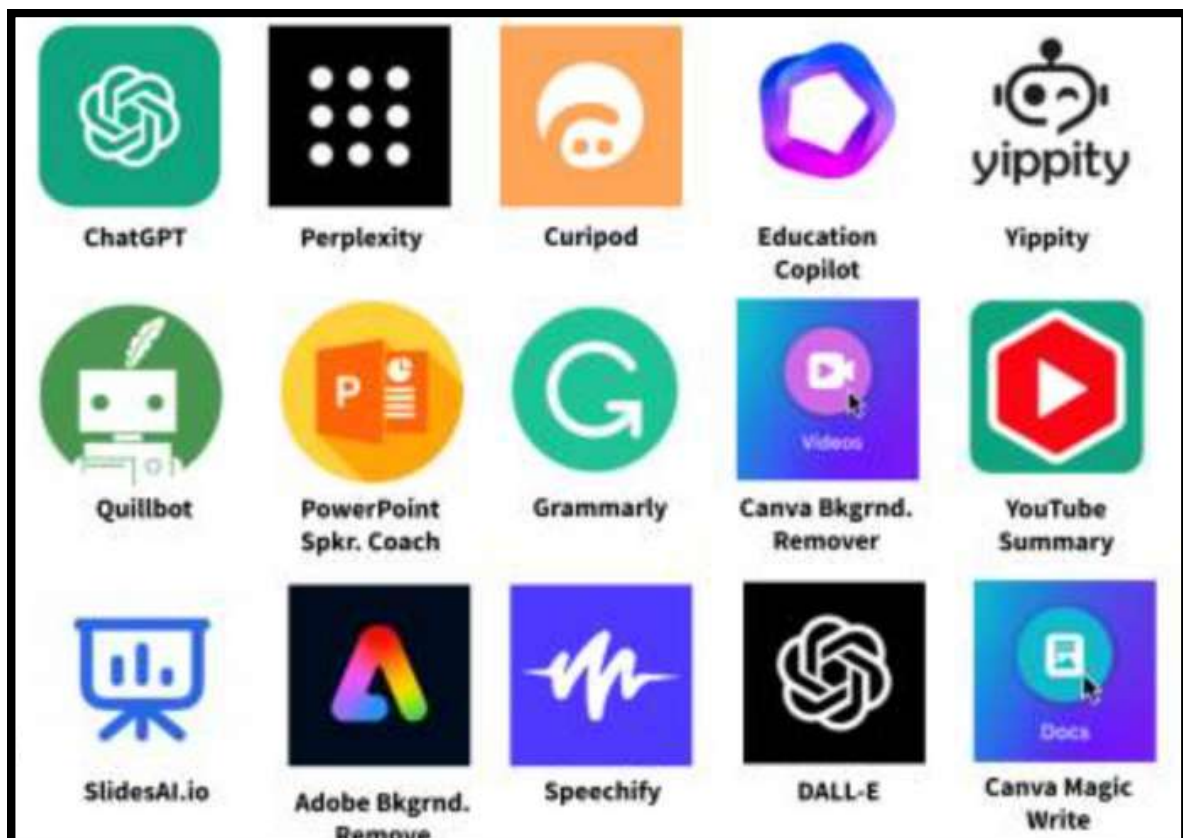
Students and teachers are actively engaged with different AI apps such as Chat GPT to explore and implement various AI technologies. They are also uutilising AI to streamline various soft ware and applications in their educational practices.

HANDS ON TRAINING IN MS-OFFICE

Hands-on presentation of office automation tools.MS-Word, PowerPoint, and Excel

HANDS ON TRAINING IN LATEX
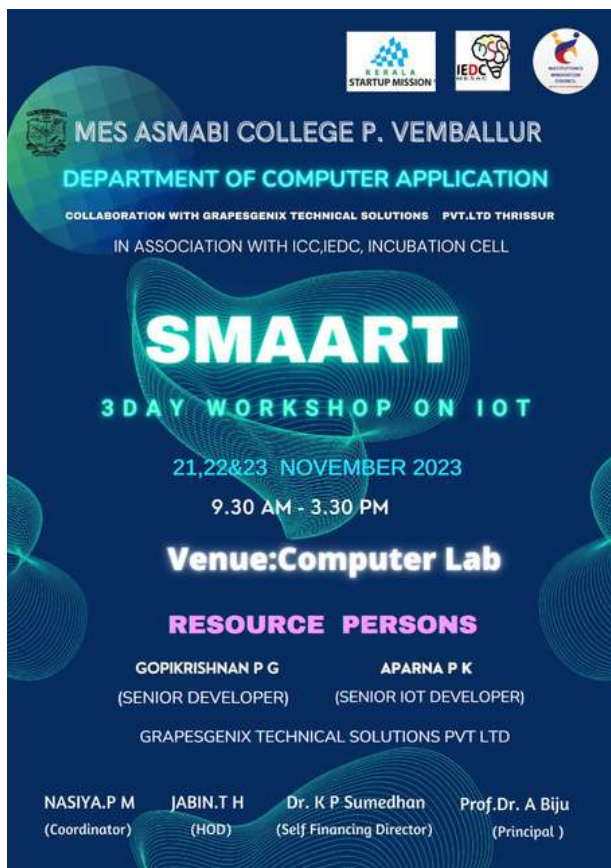
College conducted a Hands on training in LaTex for UG and PG Science students on 14th and 15 march 2023. The session was led by Dr. Murugan, Associate Professor (Rtd.), MES College Marampally

IOT WORKSHOP

HANDS-ON TRAINING WITH ONLINE AND STANDALONE SOFTWARES
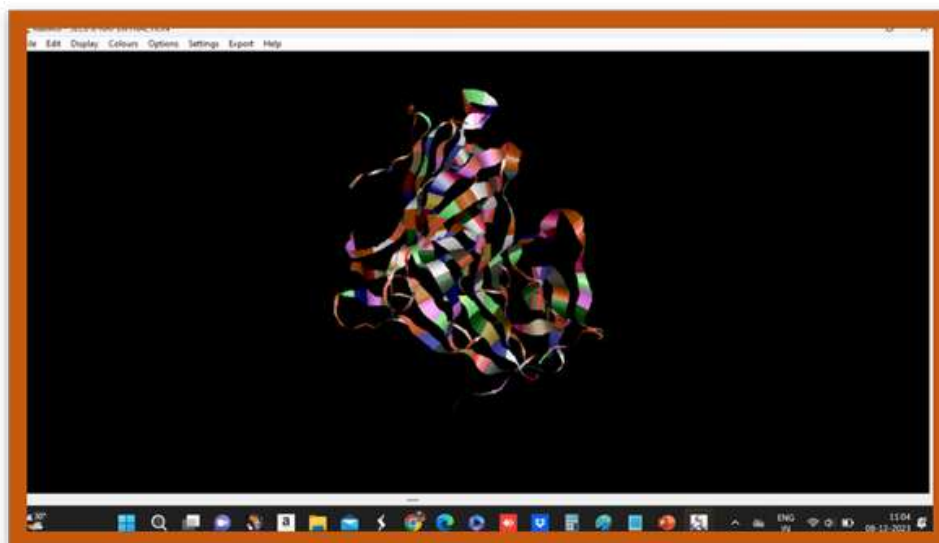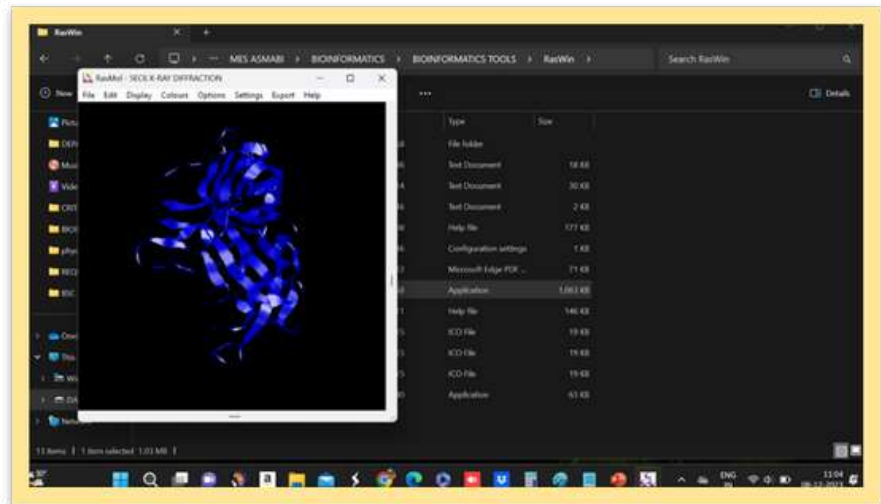
ONE DAY WORK SHOP ON SMART PHONE FILM MAKING

The "One Day Smartphone Filmmaking" workshop, organized by the Department of B.Voc Digital Film Production, featured Sunil Prabhakar and Shajan C Kumar from Mathrubhumi. The workshop covered theoretical aspects of smartphone filmmaking in the morning and practical applications in the afternoon. Sunil Prabhakar guided students in shooting with mobile phones, discussing various video editing apps afterward.

FILM MAKING WORKSHOP
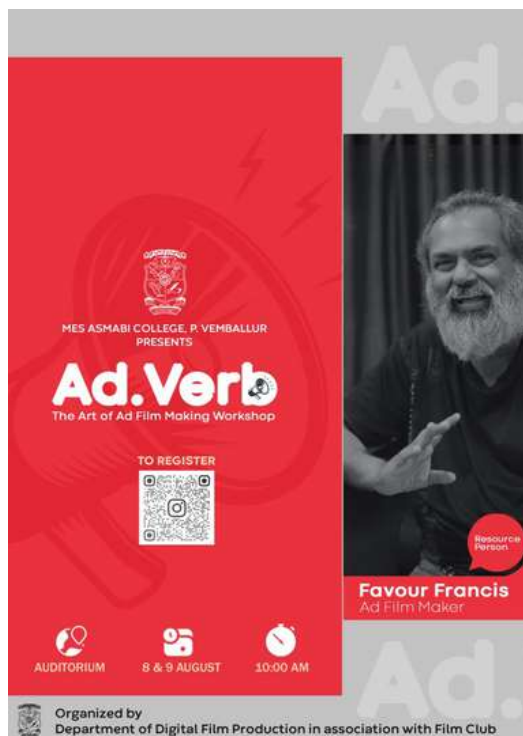
"Ad.Verb - The Art of Ad Film Making Workshop" was a two-day event conducted by the Department of Digital Film Production at MES Asmabi College on August 8th and 9th, 2023. The workshop aimed to provide students with insights into the world of ad film making, focusing on aspects like client brief interpretation, script creation, production preparation, shooting, and final film presentation.

SEMINARS ON EMERGING AREAS RELATED TO ICT

Department of Digital Film Production conducted an induction programme for the first year students. The programme named Frame Craft explored the world of artificial intelligence.

Dept. of. Computer Application Conducted "La Difeza"- a seminar on Cyber Security in association with IIC and IEDC

COMPETETIONS RELATED TO ICT

Digital Painting
Competition
in Connection with
Gandhi Smriti

INTEGRATED LIBRARY MANAGEMENT SYSTEM

KOHA

OPAC

College Library uses Integrated Library Management System (ILMS)- KOHA and Open Public Access Catalogue (OPAC)

Checker X

URKUND

College Library uses two plagiarism checking softwares, Checker X and Urkund. Checker X is provided by University Library, University of Calicut. This facility is used by our Students and students from nearby colleges for checking and certifying plagiarism of their thesis, Projects etc.

DELNET
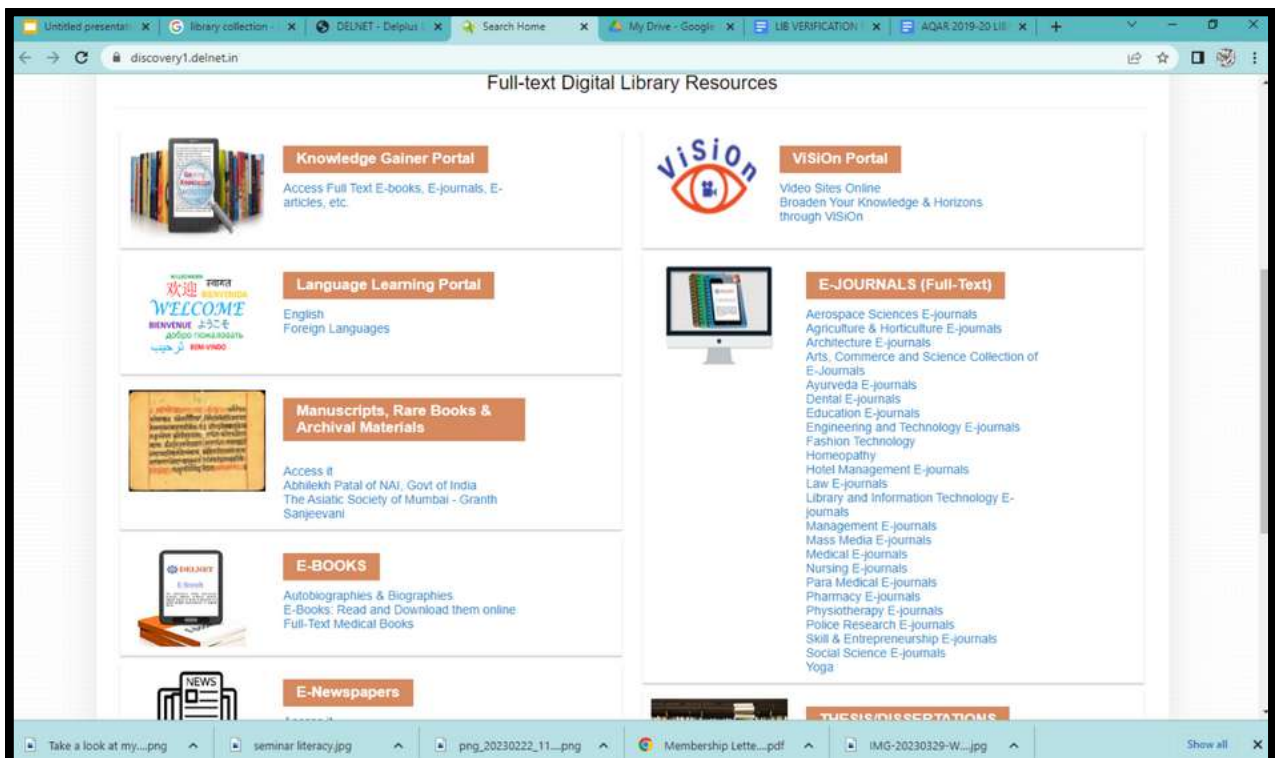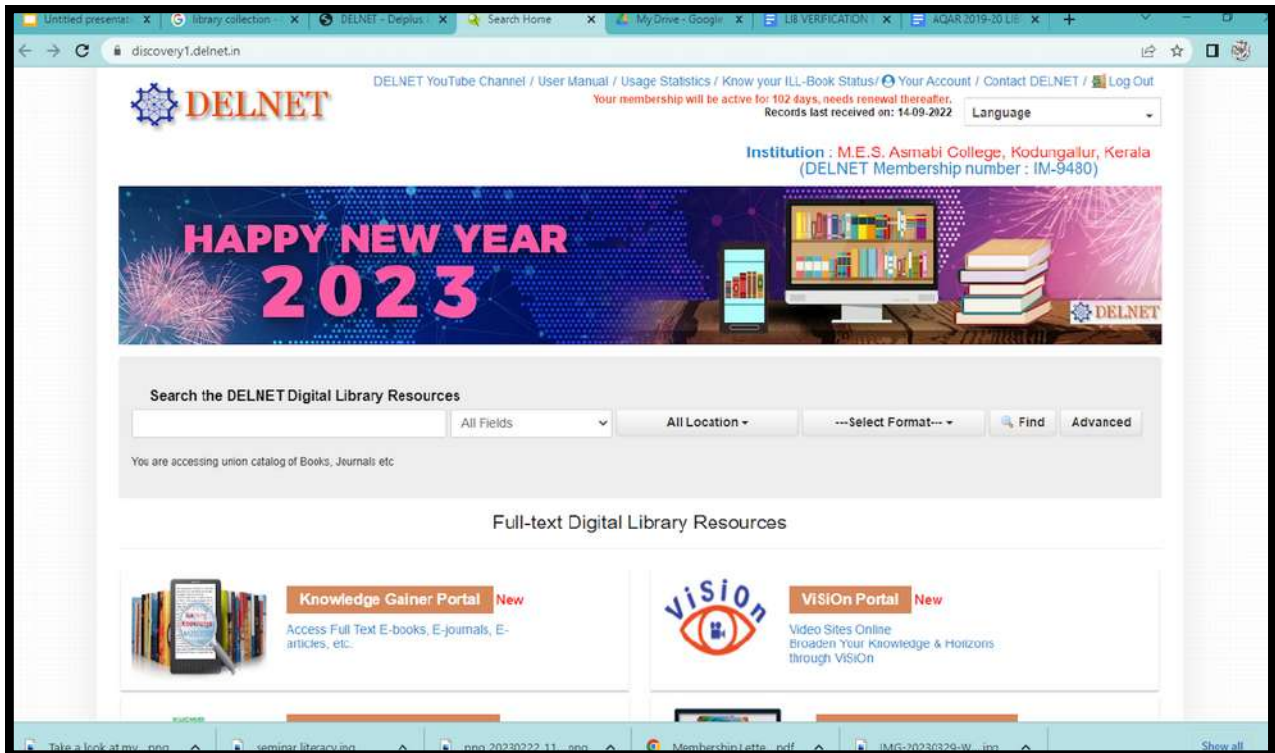
DELNET facility is provided to the students through library.

DIGITAL LIBRARY

INFLIBNET FACILITY FOR REFERENCES
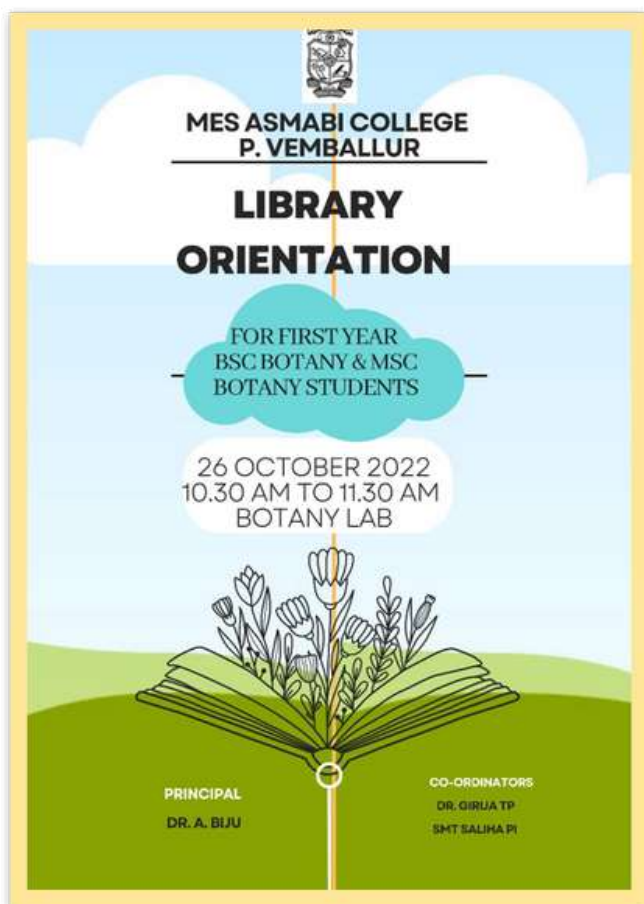
All UG,PG and PhD students are encouraged to use INFLIBNET facility of the college for references.

Students are given orientation for the usage of INFLIBNET

All PhD, PG and final year UG students are assigned with Inflibnet ID.

N-LIST
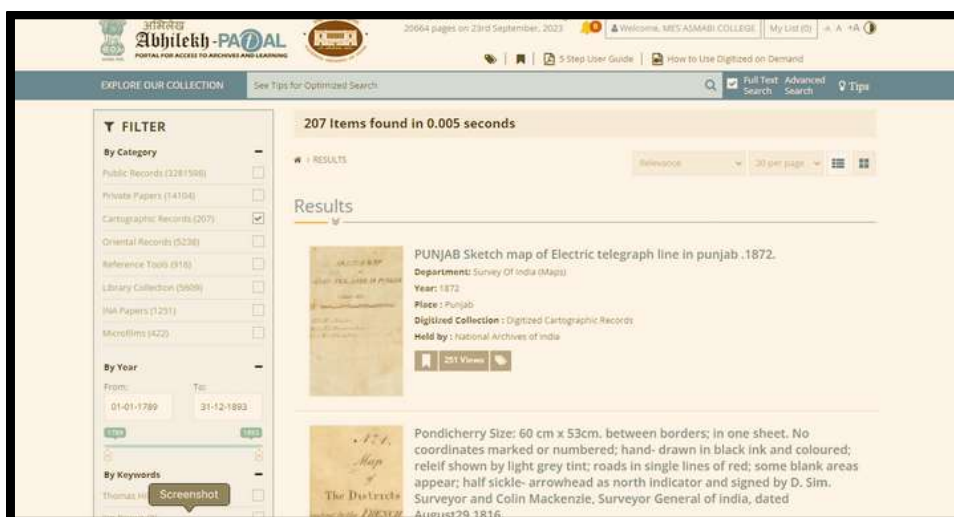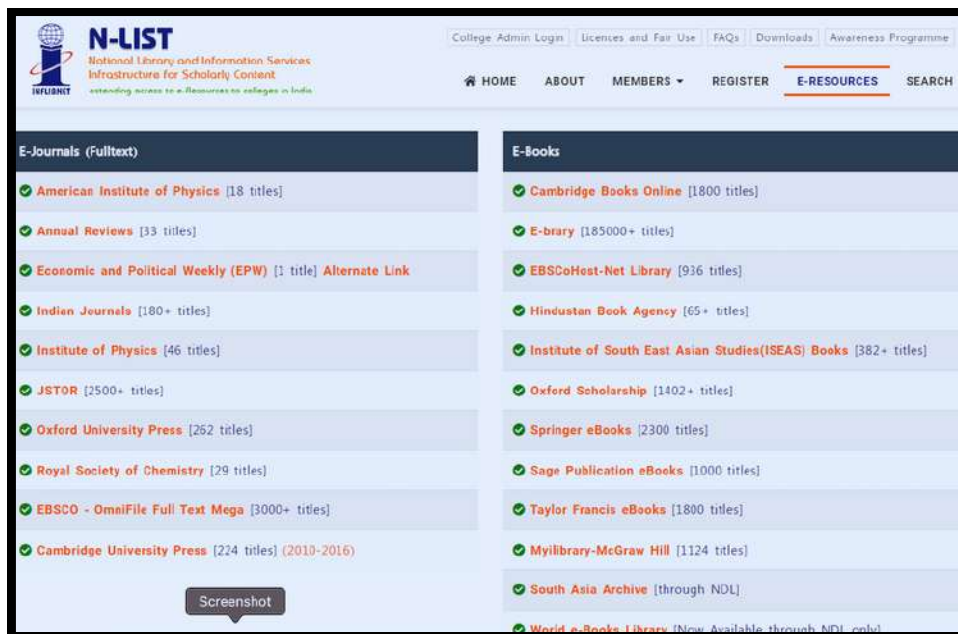
N-LIST facility of INFLIBNET is available in the College Library.

DSPACE

DISSERTATIONS, QUESTION PAPERS, ARTICLES

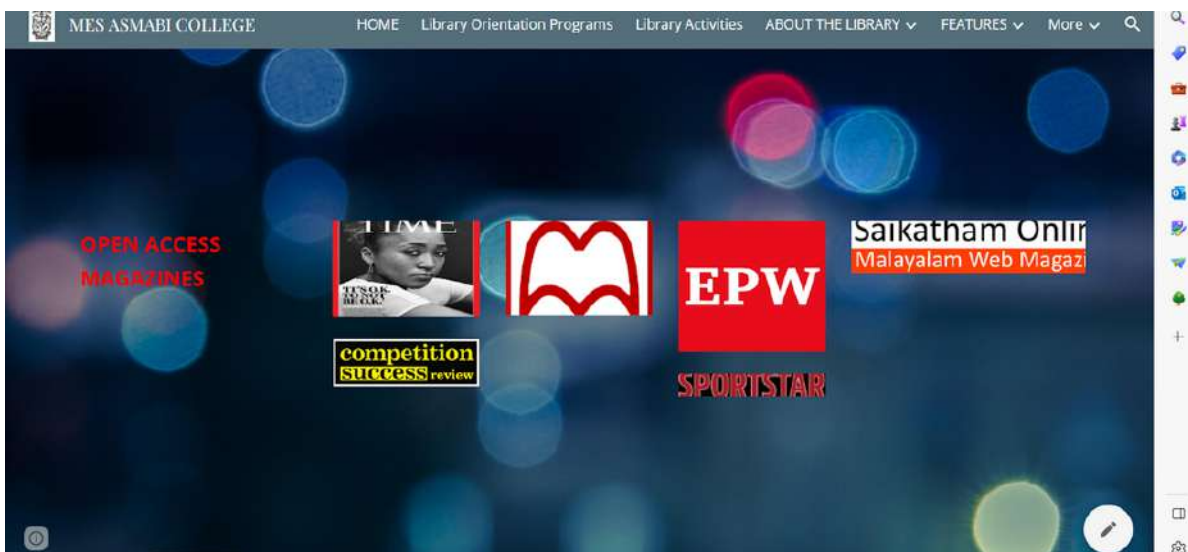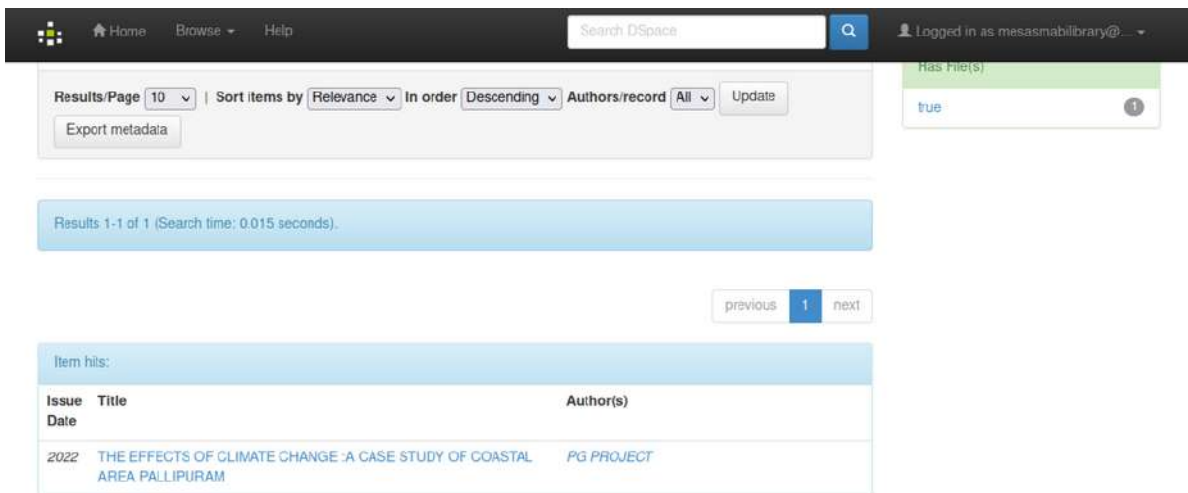# ONLINE E RESOURCES

E SHODH SINDHU

NATIONAL DIGITAL LIBRARY. NDLI CLUB
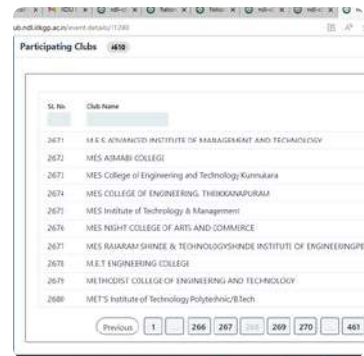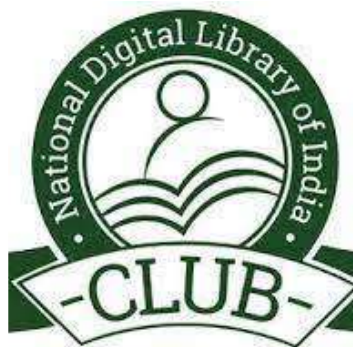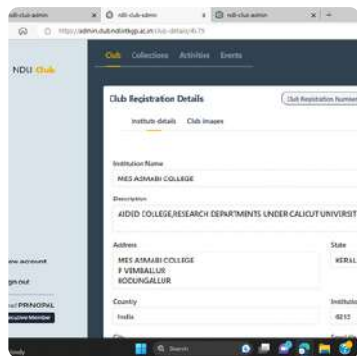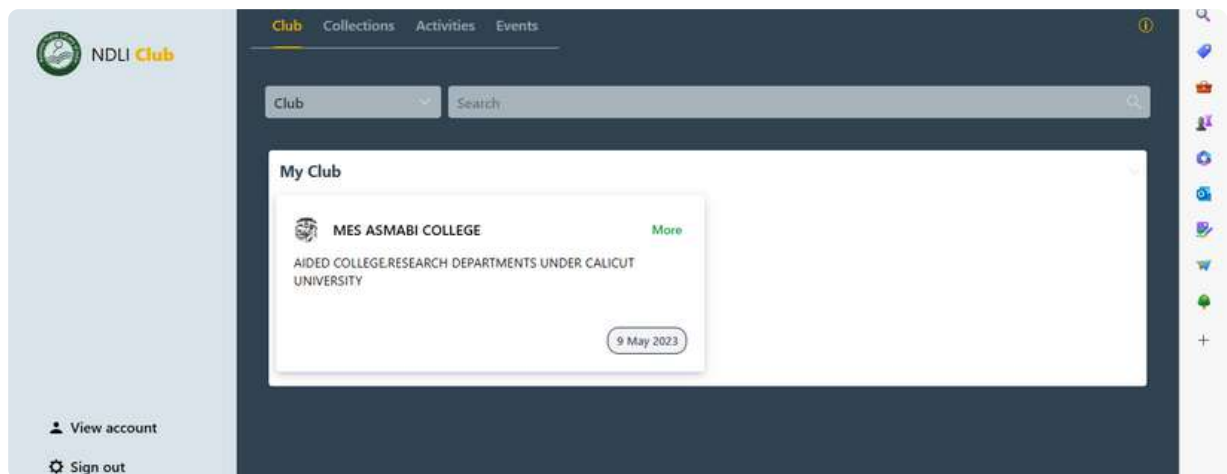
IRINS
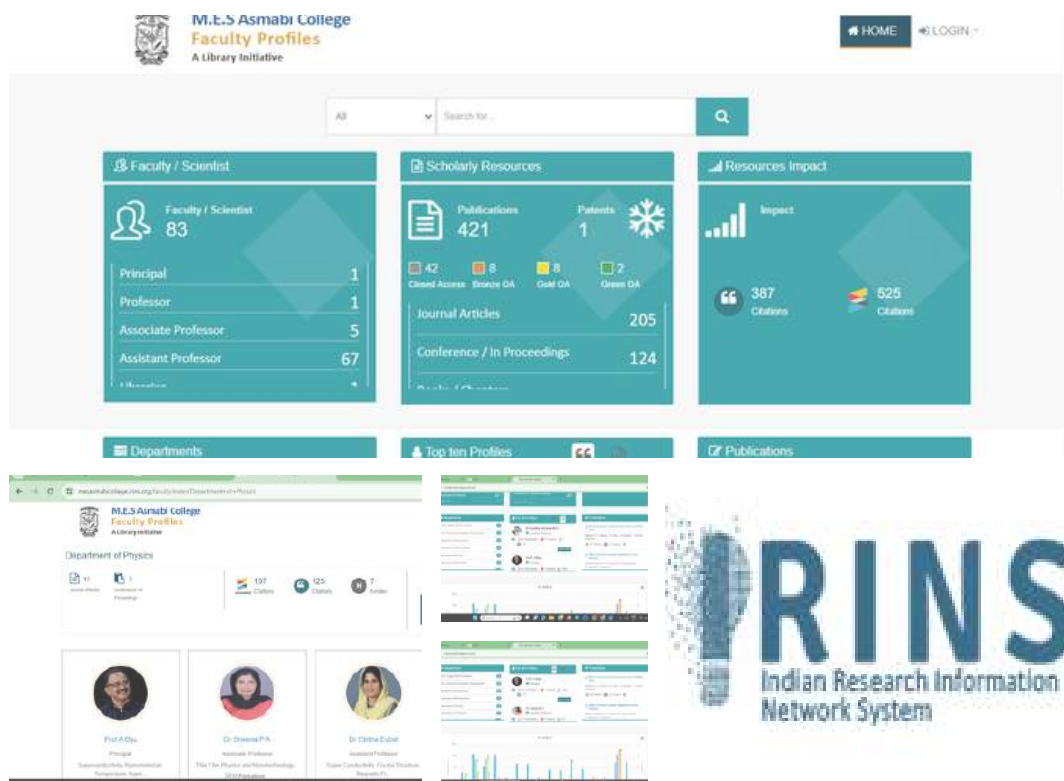
LIBRARY WEBSITE

VIDWAN

The library has initiated the process of creating the profile of the faculty members on the Vidwan database and IRINS database. Both the pages showcase the academic and research profile of the faculty members offering a comprehensive overview of their research endeavours