



2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process.

At Indore Institute of Science and Technology (IIST), Indore, the integration of Information and Communication Technology (ICT) tools plays a pivotal role in enhancing the teaching-learning process. The institution leverages a wide range of ICT-enabled resources, including digital classrooms, e-learning platforms, and interactive multimedia, to provide an engaging and student-centred learning experience.

At IIST, ICT tools facilitate the use of virtual laboratories, online assessments, and learning management systems (LMS), ensuring that students have access to study materials and resources beyond the traditional classroom setting. This approach supports self-paced learning, encouraging students to explore topics independently while fostering a collaborative learning environment through online forums and group discussions.

Instructors at IIST utilize ICT tools to present complex concepts using interactive simulations, videos, and presentations, making the learning process more engaging and effective. The use of data analytics through these tools also helps faculty track student progress and offer timely feedback, ensuring continuous academic growth.

Moreover, IIST's focus on ICT integration helps students develop digital literacy skills, preparing them for the demands of the modern workforce. The institution's commitment to using technology in education makes it an exemplary model of how ICT can enrich the teaching-learning experience and contribute to academic excellence.

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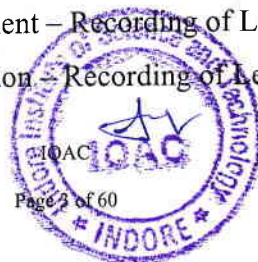
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1. Introduction

The use of Information and Communication Technology (ICT) in education significantly enhances teaching and learning by improving the effectiveness and accessibility of the learning process. At Indore Institute of Science and Technology (IIST), we seamlessly integrate ICT into our educational framework to support, enhance, and optimize the delivery of knowledge. Our faculty combine Technological Pedagogical Content Knowledge (TPCK) to create engaging and interactive learning experiences, ensuring long-term student success.

Engaging Classrooms:

All classrooms, seminar halls, and auditoriums at IIST are equipped with LCD projectors, screens, and green boards, creating an immersive learning environment. Students have access to a wealth of online resources such as e-libraries, journals, eBooks, and databases, enriching their learning experience.

Beyond Chalk and Talk:

Faculty members move beyond traditional methods, incorporating PPTs, videos, digital slates, audio systems, document cameras, and response systems to promote interactive learning. Specialized workshops on CAD/CAM, programming languages, and simulations further equip students with cutting-edge skills.

Mobile Knowledge:

Learning is no longer confined to the classroom. Wi-Fi access and platforms like YouTube, WhatsApp, Zoom, Google Classroom, and LMS enable students to access information anytime and anywhere, enhancing their field-specific knowledge and learning flexibility.

ICT Infrastructure at IIST:

1. Projectors: 56 projectors installed across classrooms, labs, seminar halls, and auditoriums.
2. Computers: 1 high-performance desktops and laptops (Intel i5/i3) dedicated to both faculty and academic use.
3. Printers: 61 printers installed at key locations.
4. Photocopiers: Multifunction printers and photocopier machines are available across the campus.

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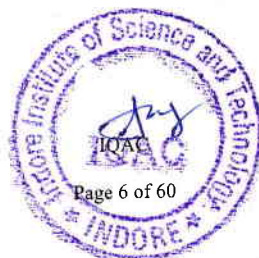
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5. Scanners: 9 scanners installed for easy access.
6. Seminar Rooms: 3 seminar halls equipped with advanced digital facilities.
7. Smart Board: One smart board installed for interactive learning.
8. Auditoriums: Two auditoriums equipped with microphones, projectors, cameras, and computers.
9. Online Classes: Platforms like Zoom, Google Meet, Microsoft Teams, and Google Classroom enable seamless online learning.
10. Coding Platforms: Students engage with online platforms like Skill Rack, CodeChef, GitHub, Hacker Rank, and others for inter-college competitions and coding practice.
11. MOOC Platforms: Access to NPTEL, Coursera, edX, and other MOOCs for additional learning opportunities.
12. Digital Library: Access to resources like DELNET, RGPV e-Library, IIST e-Library, NDLI, J-GATE, and more.
13. CCTV: 183 CCTV cameras across campus for security and monitoring.
14. Biometric Attendance: 13 biometric attendance machines for student attendance tracking.
15. Other Accessories: Digital slates, document cameras, student response systems, video cameras, and audio mixers.
16. Virtual Labs: Simulated labs for conducting virtual experiments and practical sessions.

ICT at IIST is not just a trend but a cornerstone of our educational philosophy, enabling us to empower students to become lifelong learners and preparing them for success in the digital age. Through a combination of advanced technologies, innovative pedagogy, and accessible resources, we are committed to providing an enriching and future-ready education.

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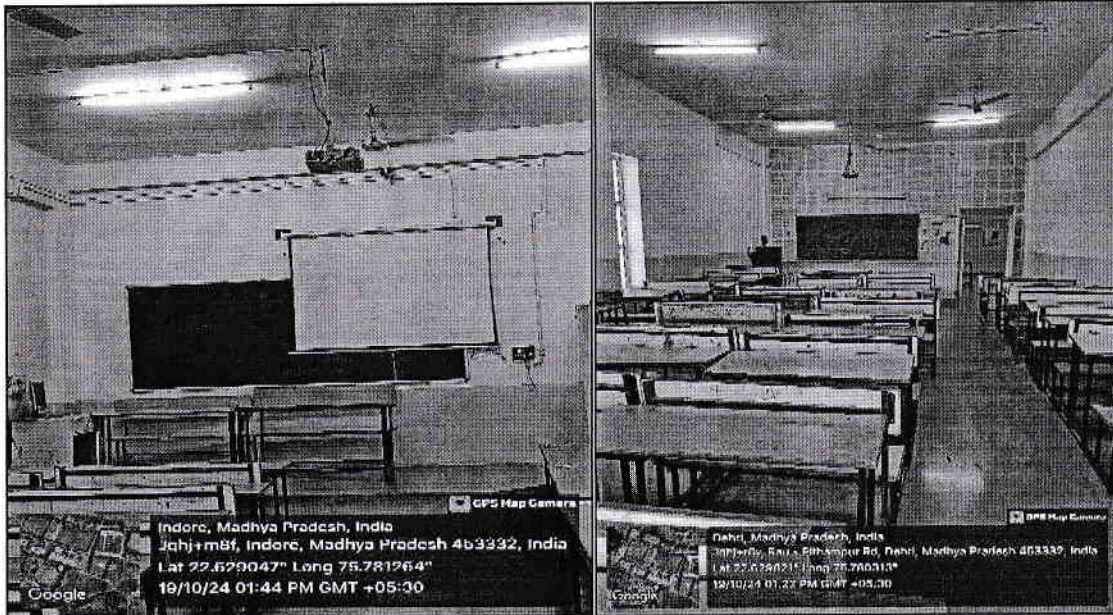
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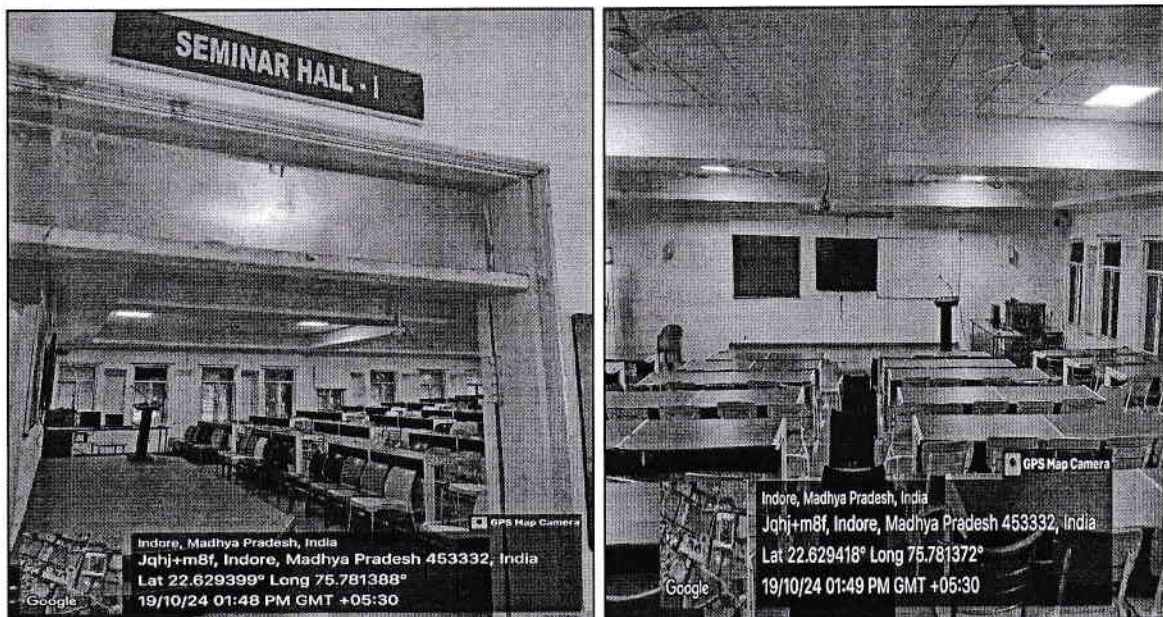


2. ICT Infrastructure Facility Available in the Institute

a. ICT Enabled Classrooms

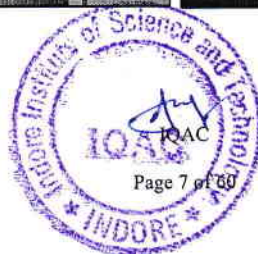


b. ICT Enabled Seminar Halls



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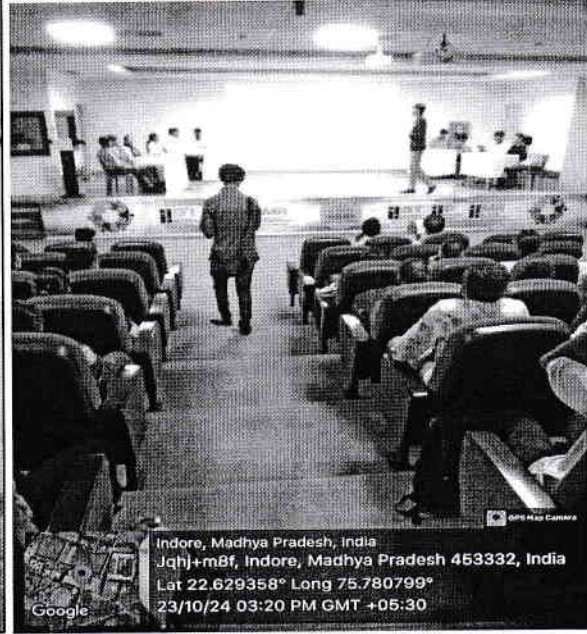
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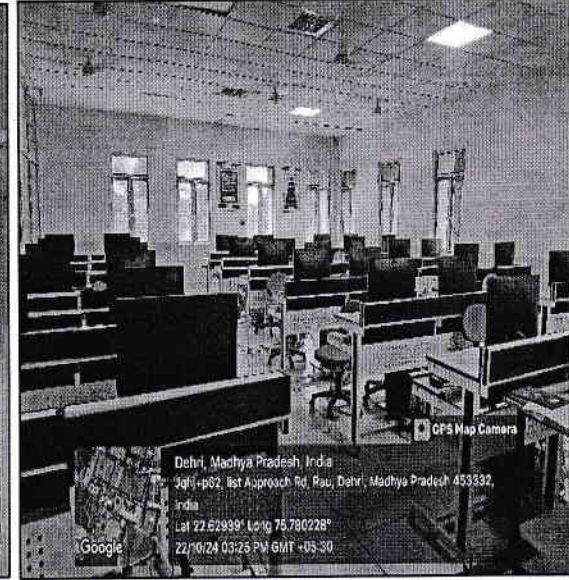
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c. ICT Enabled Auditorium



d. ICT Enabled Lab



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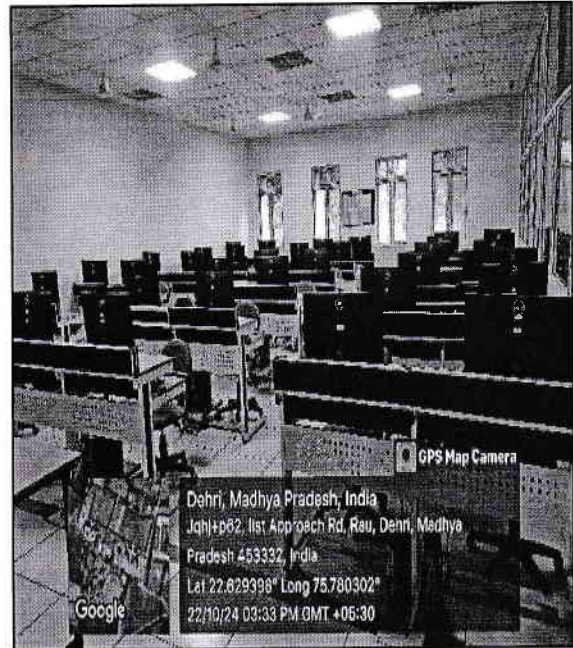
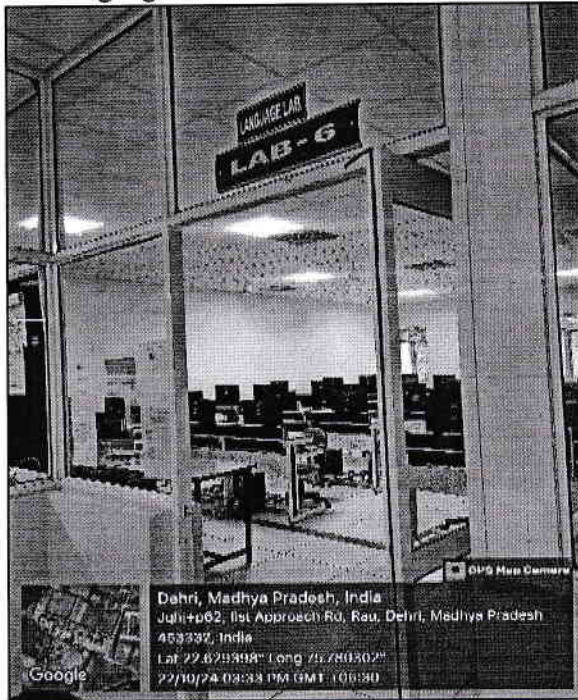


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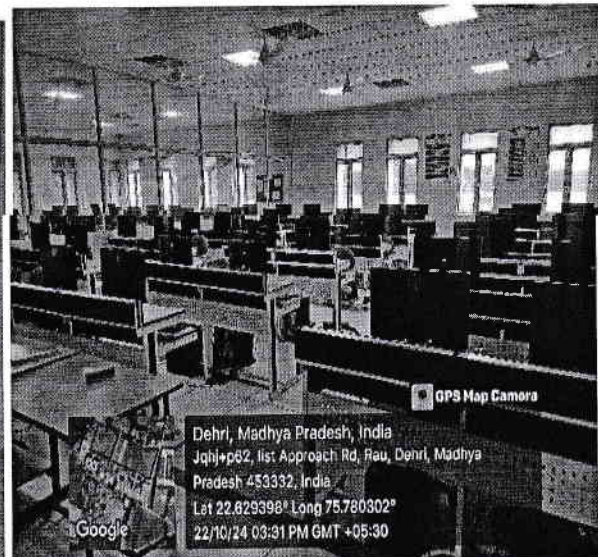
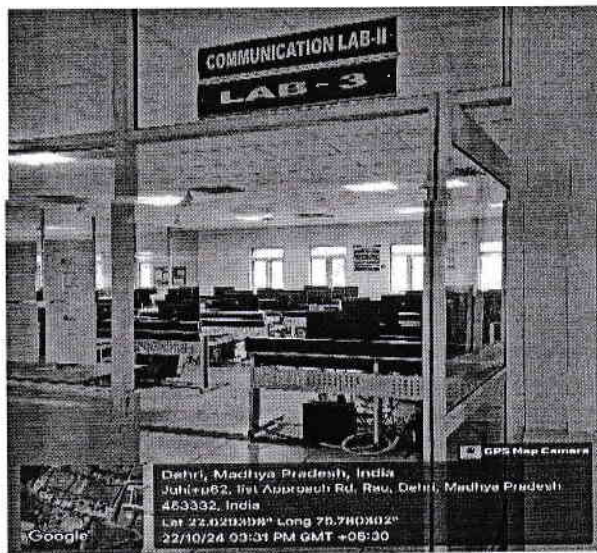
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e. Language Lab



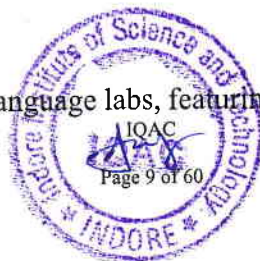
f. Communication Lab



Communication Labs

The institute boasts state-of-the-art language labs, featuring 62 computers spread across two fully-

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equipped labs, complete with licensed software and a local area network (LAN) facility. These labs are designed to enhance language learning through interactive and immersive experiences.

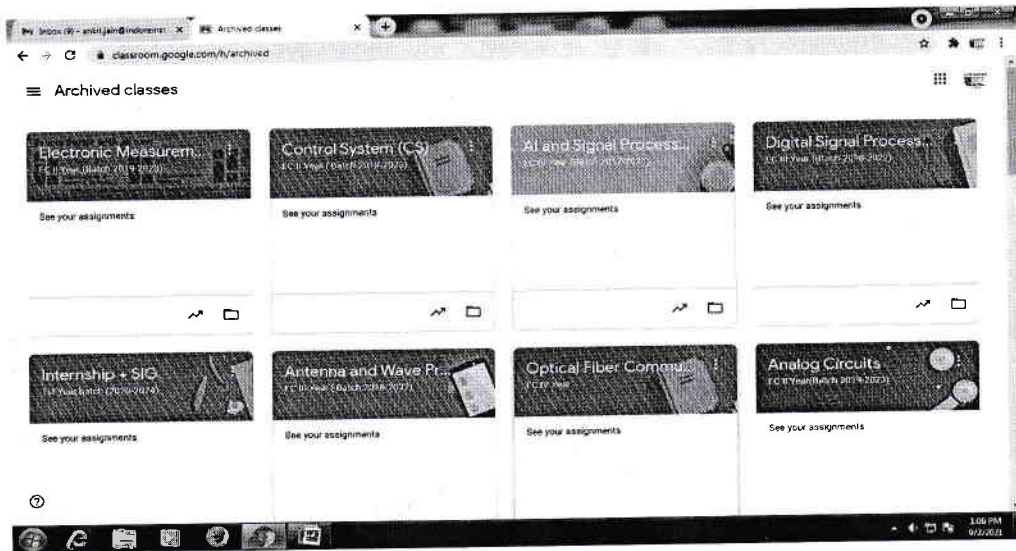
Internet Connectivity

The campus is equipped with both wired and wireless internet access, available in classrooms, libraries, labs, corridors, auditoriums, seminar halls, and all residential areas, ensuring seamless connectivity throughout.

High-Speed Internet Facility

To support the growing demand for reliable internet, the institute has upgraded its leased line bandwidth from 50 Mbps to 310 Mbps (1:1 ratio), providing high-speed internet access across the entire campus.

3. ICT Various Tools Available in the Institute



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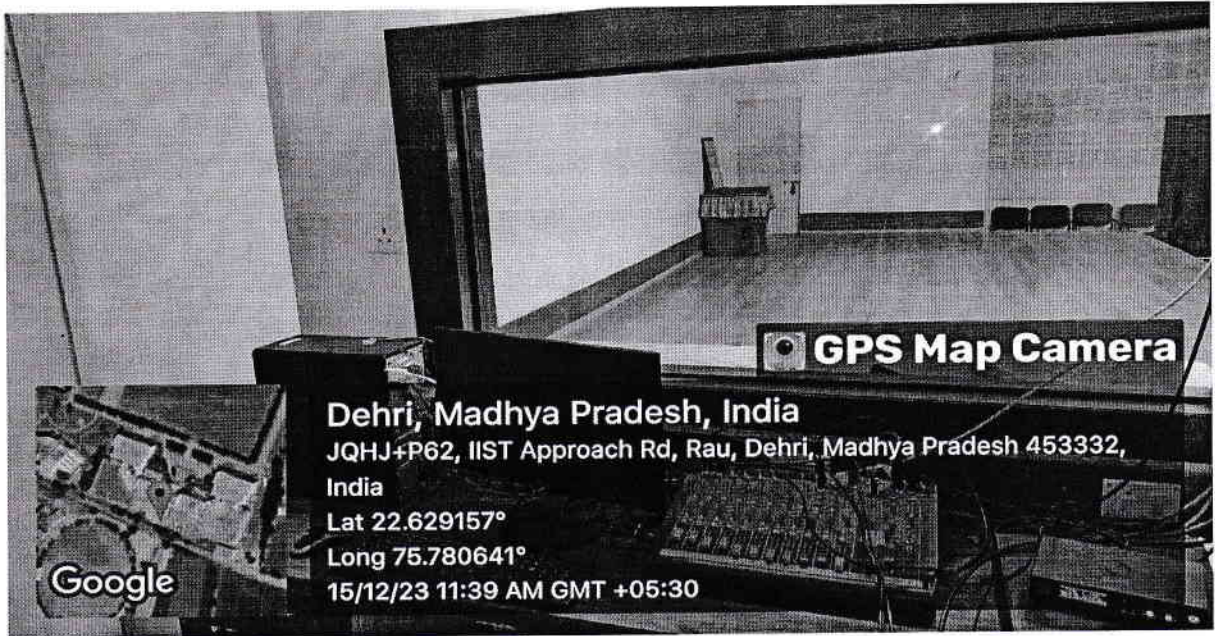


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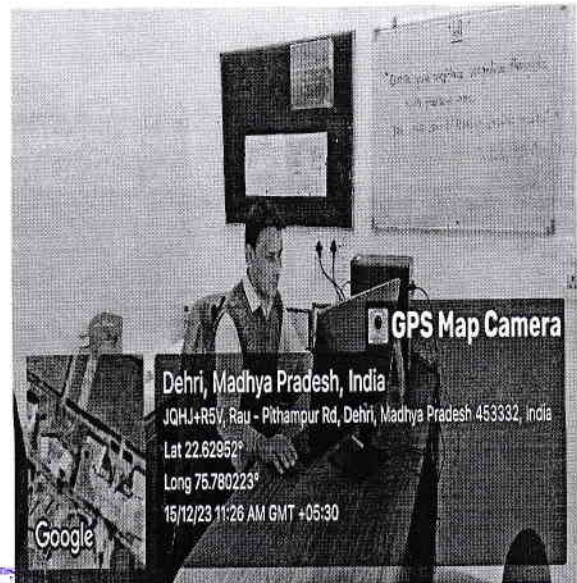
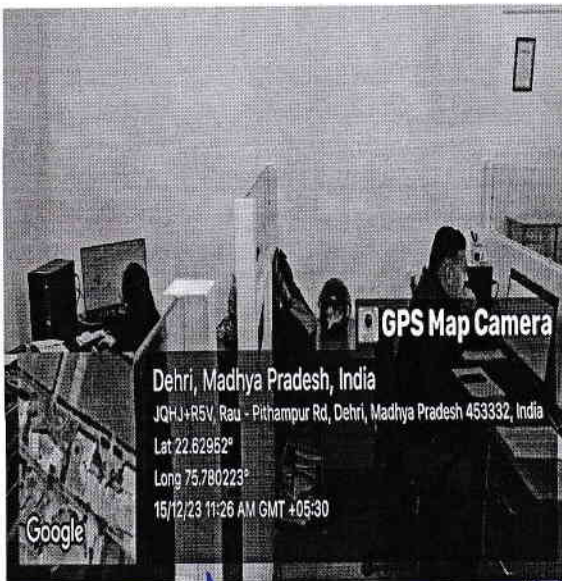
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a. Sample Google Classroom



b. Auditorium with ICT facilities



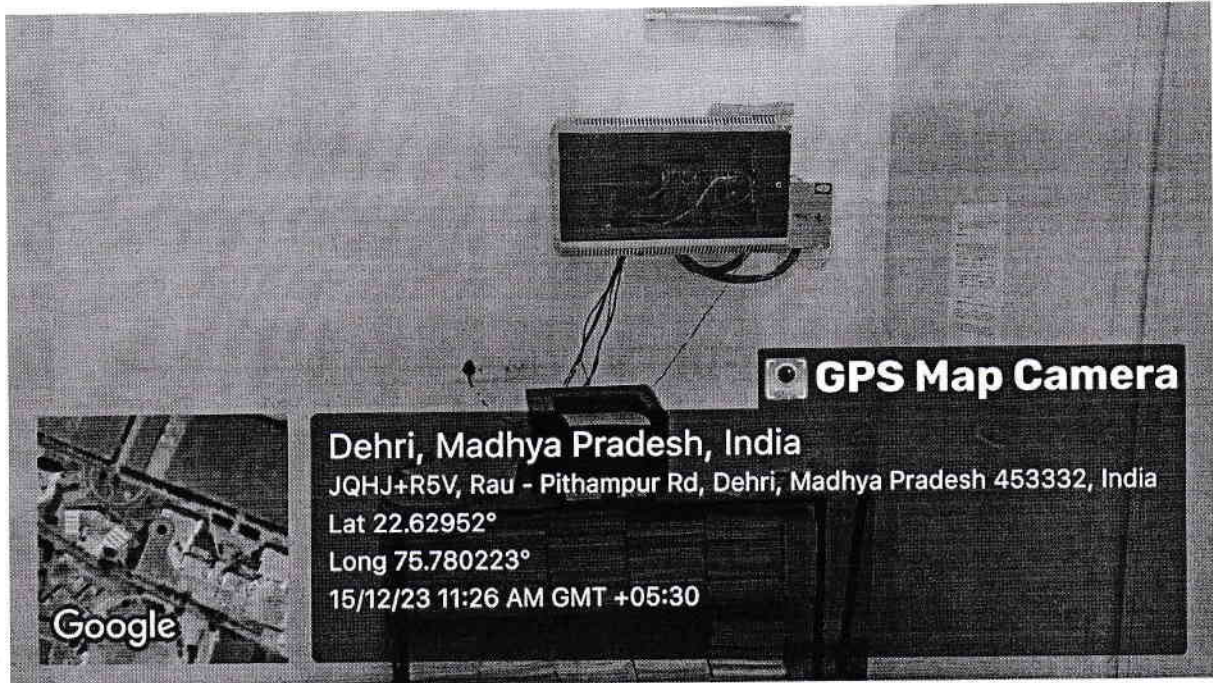
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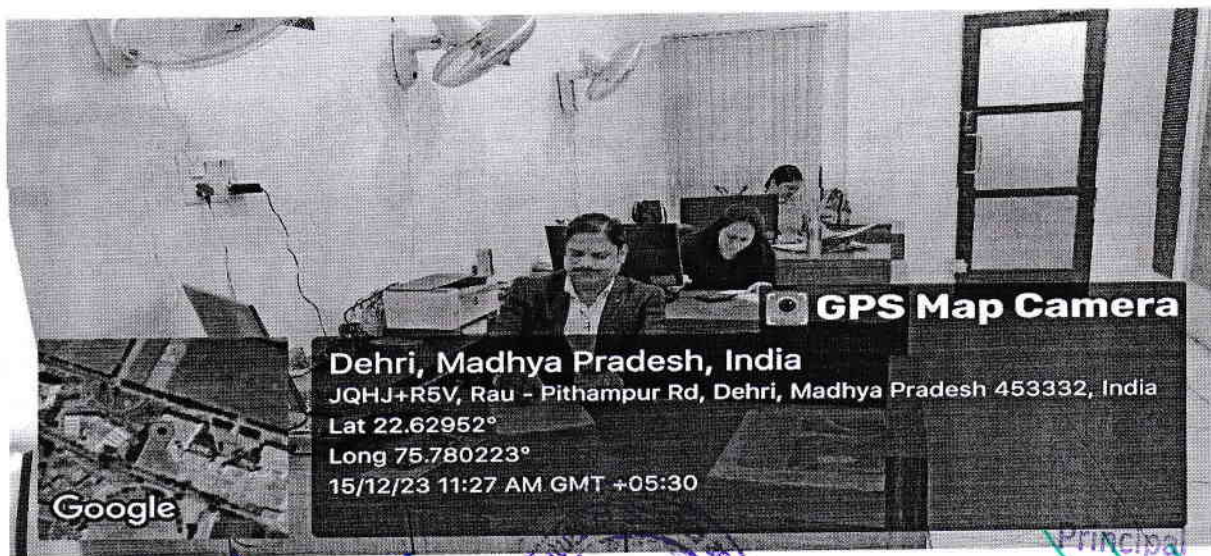
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c. Faculties provided individual desktops.



d. Printers available at prominent places



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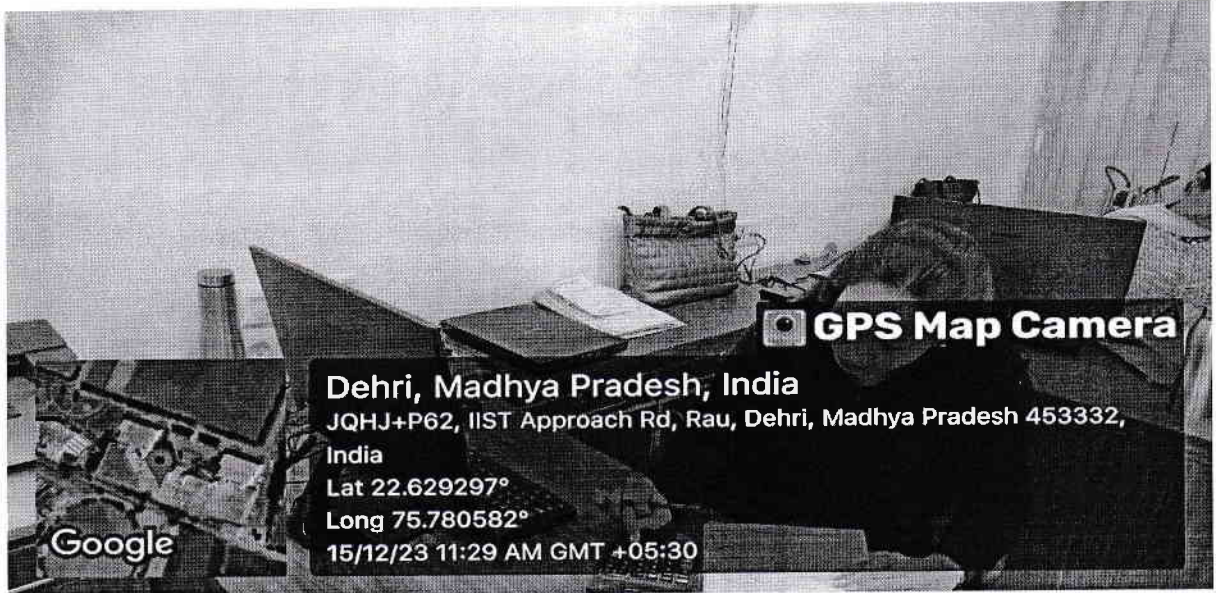


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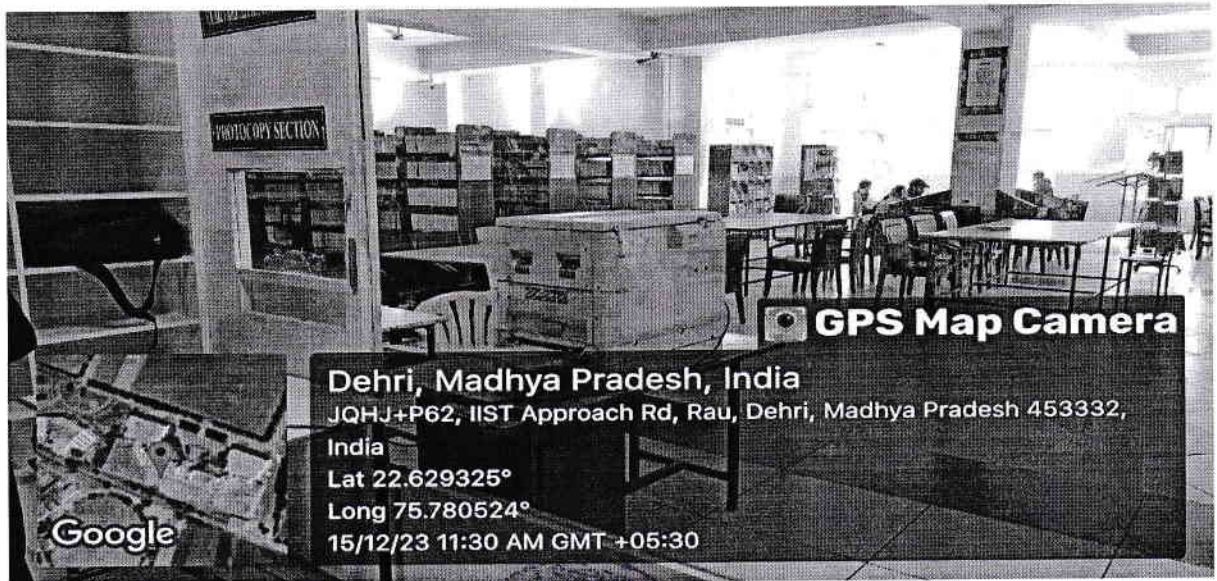
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e. Staff provided individual desktops.



f. Scanners



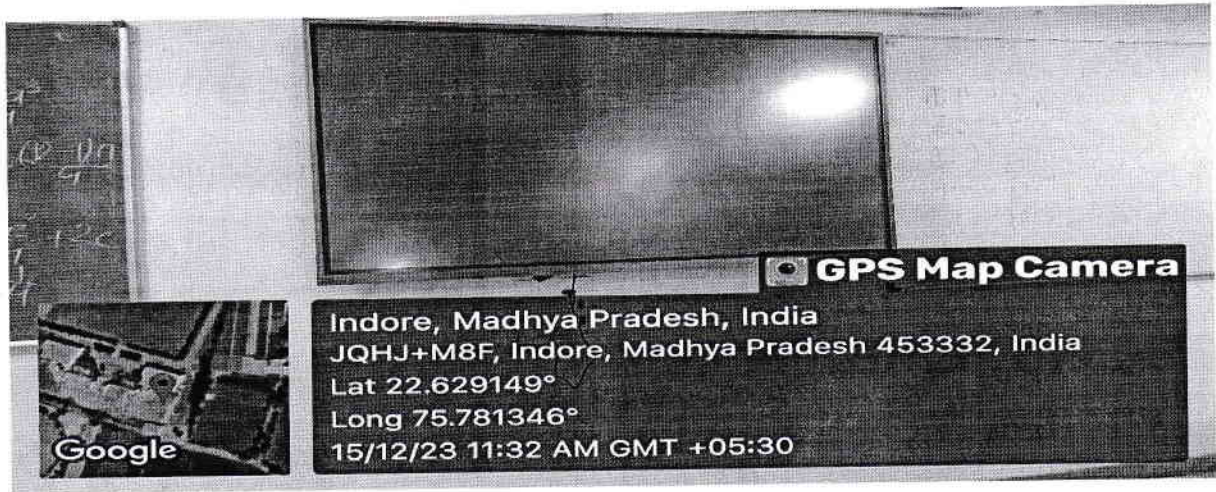
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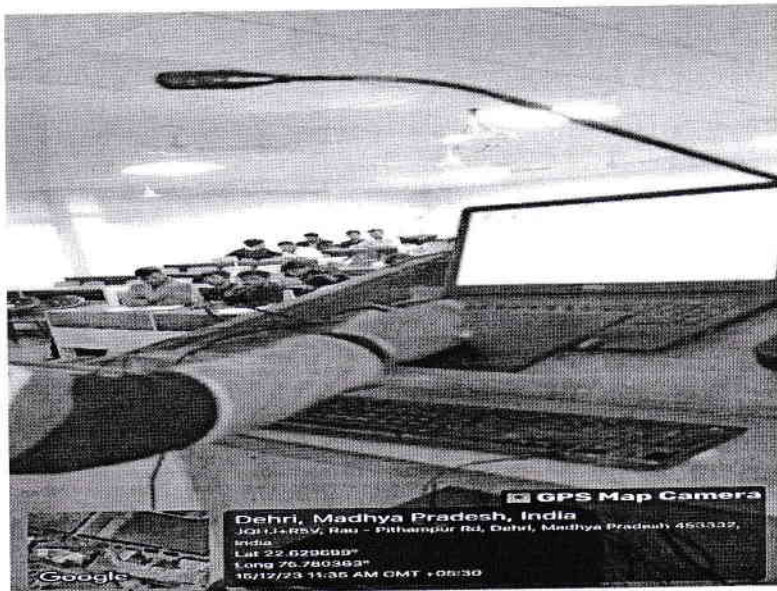
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g. Photocopy Machines



h. Smart Board

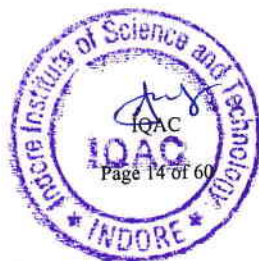


i. Laptops in Seminar Halls

4. Use of ICT By Faculty

a. PowerPoint Presentations

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Faculty members are encouraged to incorporate PowerPoint presentations in their teaching, utilizing LCD projectors for enhanced visual delivery. These presentations often feature animations and simulations to boost student engagement and improve the overall learning experience.

b. Industry Connect

Our seminar and conference rooms are equipped with advanced digital tools, facilitating guest lectures, expert talks, and various student competitions. These activities bridge the gap between academic learning and industry insights.

c. Online Quizzes

Faculty members design and administer online quizzes using Google Forms, providing students with timely assessments and feedback upon completion of each unit.

d. Video Conferencing

Students receive counseling and academic guidance via video conferencing tools such as Zoom and Google Meet, ensuring personalized support even remotely.

e. Video Lectures

Recorded video lectures are made available to students for continuous learning, allowing for flexible access to course content for long-term study and future reference.

f. Online Competitions

A wide range of online competitions—such as poster-making, ad-mad shows, project presentations, business quizzes, debates, and paper presentations—are regularly organized using various information communication technologies (ICT), fostering creativity and practical skills among students.

g. Workshops

Faculty members conduct workshops using modern ICT tools to introduce students to cutting-edge methodologies, including programming languages, simulations, and other emerging technologies.

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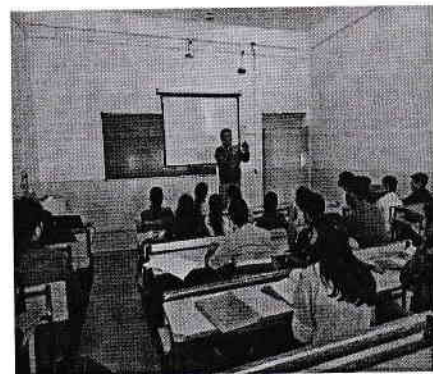
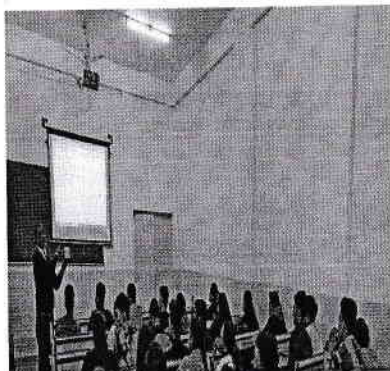
j. Teaching Using Physical Models and ICT Tools

In the Electronics and Instrumentation course, while teaching the concept of Cathode Ray Tubes (CRT) to second-year ECE students, the physical CRT device was demonstrated to provide students with a hands-on understanding of how the device works.

Instructor: **Mr. Devendra S. Mandloi**

In the Basic Electrical and Electronics Engineering (BEEE) course, while explaining the operation of motors to first-year CSE students, an open-welding demonstration was conducted to offer students a practical understanding of motor functionality.

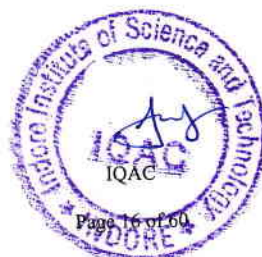
Instructor: **Mr. Ashutosh Kashiv**



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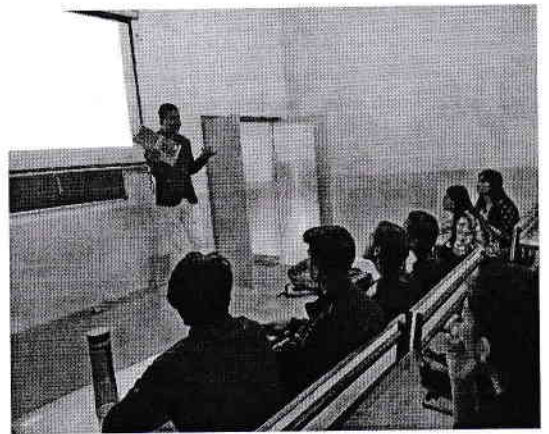
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k. Teaching Using Demonstration of Kit and ICT Tools

In the course, Microprocessor and its application, Subject teacher demonstrated the microprocessor kit in the class for better understanding the concept of processor.

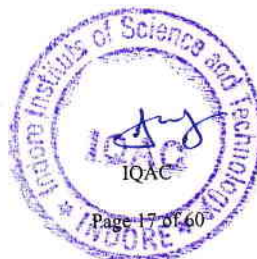
Instructor: **Dr. Mukesh Patidar**



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1. Conducted Workshops using ICT Tools

A workshop for students was conducted on Circuit Design & Fabrication with Hands – on Practice” for 1st Year and 2nd Year ECE students. 17 students participated with enthusiasm in this program, to learn PCB Design.

A workshop for students was conducted on PCB Design and Testing with Hands – on Practice” for 1st Year and 2nd Year ECE students. 22 students participated with enthusiasm in this program, to learn PCB Design. Different stages of PCB fabrication were learnt by the students.

Name of the Teacher: Mr. Ravi Yadav and Mr. Raju S Dawer.



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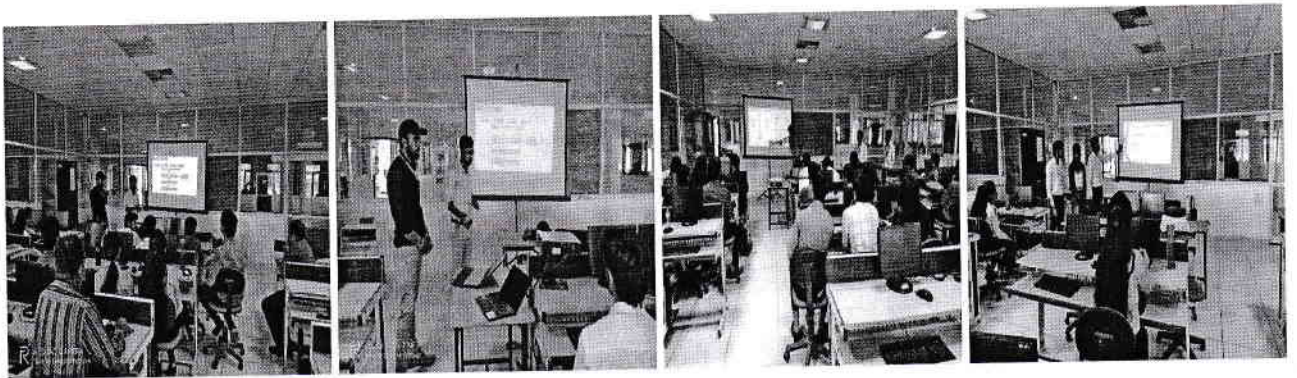
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m. Peer Learning Through Project Presentation using ICT Tools

The ECE Department organized a Peer Learning through Project Presentation of EC IV Year in VLSI Lab for III year ECE Students.

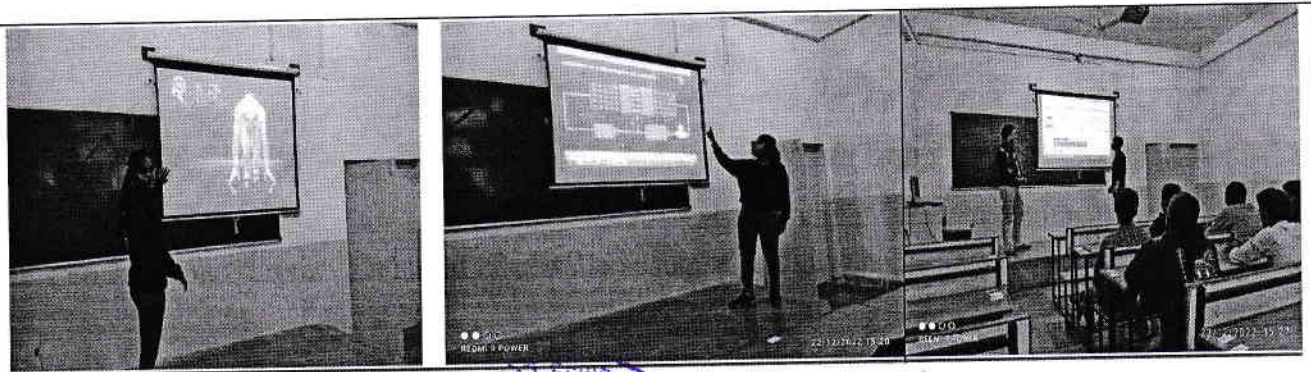
Name of the Teacher: Mr. Shravan Namdeo and Mr. Ravi Yadav.



n. Peer Learning Through Technical Presentation using ICT Tools

The ECE Department organized a Peer Learning through Technical Presentation on various emerging areas like robotics, IOT etc of EC II Year on 22/12/2023.

Name of the Teacher: Mr. Prabhat Pandey, Mr. Nitin Chauhan, and Mr. Amit Kumar



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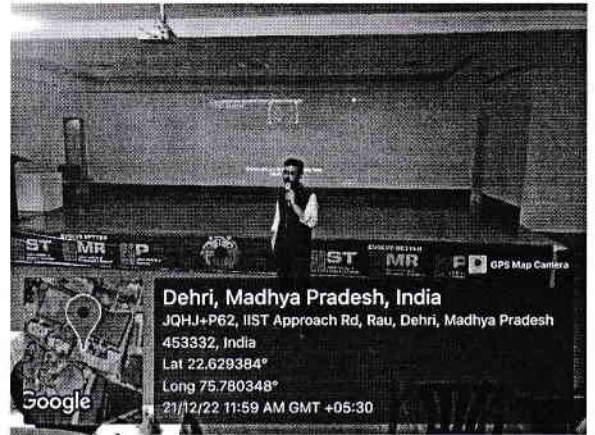


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o. Conducted Certificate Course / Value added Courses using ICT Tools

A 30 Hour Certificate Course for ECE students was conducted on AI Based Product Development on 15-23 Dec 2023 by Mr. Shivang Trivedi, for II Year ECE students. 52 students participated with enthusiasm in this program, to learn the AI Application.



p. ICT Teaching using animation videos

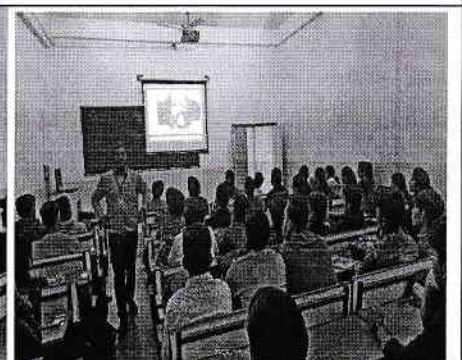
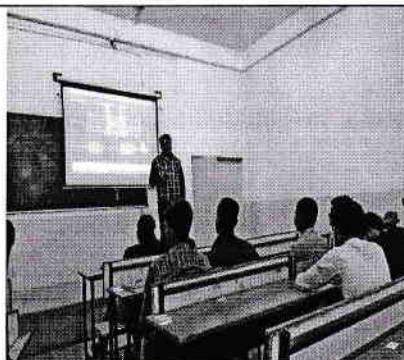
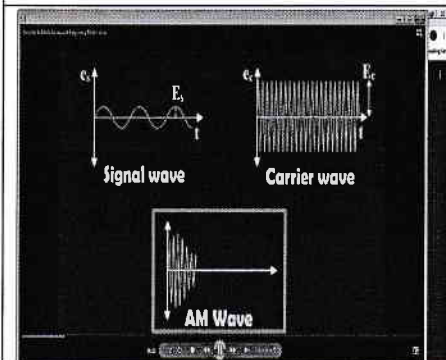
The concepts of modulation techniques can be understood in a better way by the students if animated videos are presented to them.

The concept of Amplitude Modulation technique wherein the amplitude of the carrier wave is modified according to the instantaneous amplitude of the message signal is taught using animated videos that are available in the internet.

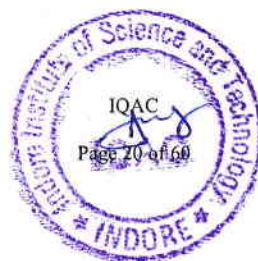
Name of the Teacher: Mr. Prabhat Pandey

The concepts of motors were explained through animated videos for better understanding of working of the motor.

Name of the Teacher: Mr. Shravan Namdeo



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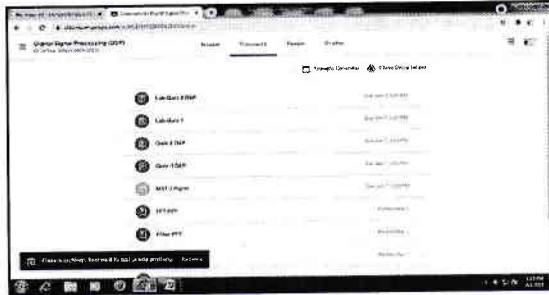


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Conducted Quiz using ICT tools.

It is Mandatory all-in subjects and certificate course to conducted at least one Quiz examination



Video Recording of Lectures using ICT tools

In most of subject, subject faculties shared recorded lecture for regular classes and lab work so that before coming in the class they have idea about topics.



Video Recording of Project work done by the students

ECE department motivate the students to submit recorded project explanation so that students understand the way of communication and shared the video to the junior to understand the importance of project as well as to understand the project work.

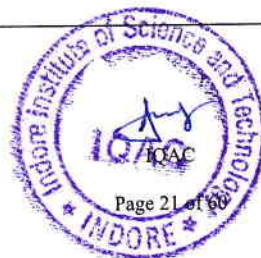
Regular teaching using PPT.

In most of Subject teachers used PPT for explaining the topics and used video and animated video for better understanding of content.

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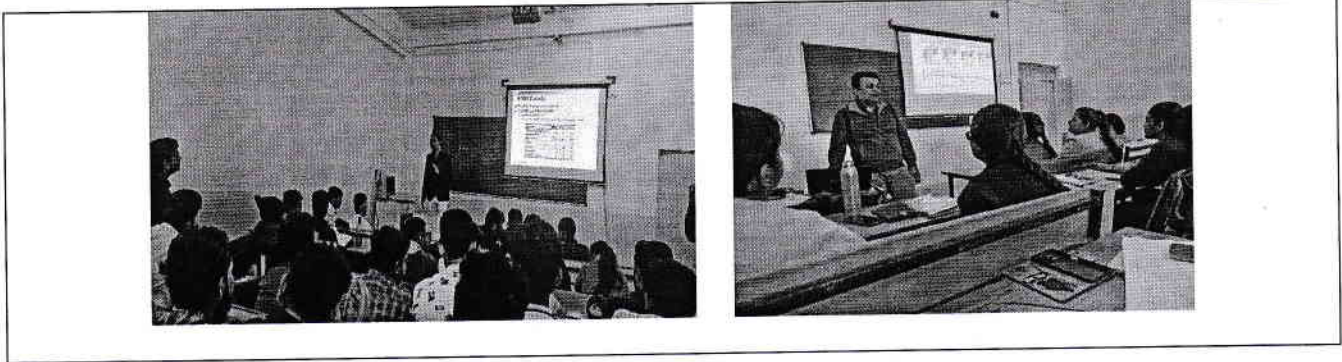
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Proof of Google workspace for Education (Bill).



Page 22 of 60



Principal
Indore Institute of Science

Wednesday, December 25, 2024



Indore Institute of Science & Technology

2023-2024



TAX INVOICE

Invoice# CCP/22-23/835

Balance Due
1,07,882.00

CloudCompanions Technology Pvt. Ltd
1st Floor, Sky Loft, Creaticity Mall, Opposite Golf Course
Shastrinagar, Yerawada
Pune Maharashtra 411006
India
GSTIN 27AAHCC4526F1Z5

Bill To
Shail Educational and Welfare Society
Opposite IIM, Rau - Pichampur Road
Rau, Indore
453331 Madhya Pradesh
India

Invoice Date : 25/02/2023
Terms : Due on Receipt
Due Date : 25/02/2023
P.O.# : SEWS/PO/22-23/532

Place Of Supply: Madhya Pradesh (23)

#	Item & Description	Qty	Rate	Amount
1	Google Workspace for Education Domain- Indoreinstitute.com (Teaching and Learning Upgrade License for Half Year (6 Month Plan) Gmail for Education- 100 TB Shared Storage + 100 GB Per user 250 Google Meet Participant Limit Meet Video recording & Live Streaming Attendance & Breakout Rooms Calendar - Simple, Sharing for Teamwork Talk - Text, Voice & Video with Meet Google Drive & Google Docs Google Sites - Intranet Portals made easy Google Vault Features (Billing Period- 7th February 2023 to 6th August 2023) Technical Support (365x24x7) Phone, Email Web-based (help center, user-to-user forum)	115.00	795.00	91,425.00

Sub Total 91,425.00

IGST18 (18%) 16,456.50

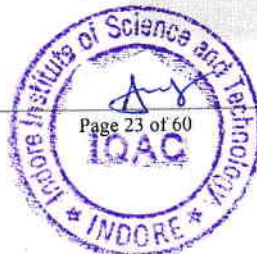
Adjustment 0.50

Total 1,07,882.00

Balance Due 1,07,882.00

For IIST/ IIP/ IIMR

Chief Administrative Officer



Principal

Indore Institute of Science and Technology, Indore
Wednesday, December 25, 2024



Indore Institute of Science & Technology

2023-2024

Proof of ZOOM Platform (Bill).

Tax Invoice

Original for Recipient and Duplicate for Supplier

ZVC India Private Limited
Raheja Platinum, No.06A113A,06A127
Sag Baug Road, Marol, Andheri East
Mumbai, Maharashtra, 400059

Signature Not Verified
Invoice # INV225520950
Wed 01 Nov 2023 07:21:26 IST
Approved by: Sameer Raj

Invoice Date:	Oct 31, 2023	Zoom GSTIN:	27AABCZ4218R1ZP
Invoice #:	INV225520950	Zoom PAN:	AABCZ4218R
Payment Terms:	Due Upon Receipt	Purchase Order Number:	
Due Date:	Oct 31, 2023	Customer GSTIN:	
Account Number:	7007747593	Customer PAN:	
Currency:	INR		
Account Information:	Shail Educational & Welfare Society		

Whether tax is payable on reverse charge basis - No.

Consignee (Place of supply): System Administrator
Opp. I.I.M, Rau-Pithampur Road,
Indore, Madhya Pradesh 453331 (State Code:
23) India

Zoom W-9

[Question about your Digital Signature?](#)

Name of Recipient (Billed to): System Administrator
Opp. I.I.M, Rau-Pithampur Road,
Indore, Madhya Pradesh 453331 (State Code:
23) India

nilesh.naik@indoreinstitute.com

nilesh.naik@indoreinstitute.com

Charge Details

Charge Description	Subscription Period	Subtotal	Taxes, Fees & Surcharges	Total
Charge Name: Zoom One Pro Monthly Quantity: 1 Unit Price: INR1,300.00 HSN of Goods/Services: 998424	Oct 31, 2023 - Nov 29, 2023	INR1,300.00	INR234.00	INR1,534.00
			Taxable Value	INR1,300.00
			Total (Including Taxes, Fees & Surcharges)	INR1,534.00
			Invoice Balance	INR0.00

For IIST/ IIM/ IIMR

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Indore Institute of Science
and Technology, Indore

Wednesday, December 25, 2024



Taxes, Fees & Surcharge Details

Charge Name	Tax, Fee or Surcharge Name	Jurisdiction	Charge Amount	Tax, Fee or Surcharge Amount
Zoom One Pro Monthly	IGST (Communications) 18.000%	Federal	INR1,300.00	INR234.00
Total of Taxes, Fees & Surcharges				INR234.00

Transactions

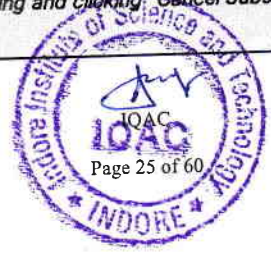
Transaction Date	Transaction Number	Transaction Type	Description	Applied Amount
			Invoice Total	INR1,534.00
Oct 31, 2023	P-267622557	Payment		INR-1,534.00
Invoice Balance				INR0.00

Need help understanding your invoice? [Click here](#)

Standard Pro and Standard Biz are now called Zoom One Pro and Zoom One Business. Please note that your Services will remain the same and that this name change does not change the price of your current subscription. Please note ZoomIQ for Sales is now called Zoom Revenue Accelerator. Your Services will remain the same and this name change does not change your current subscription pricing.

This plan includes products with monthly and/or yearly subscription periods. The subscription period for each plan, and the total charge, INR1300.00 (plus applicable taxes and regulatory fees), per subscription period for that product are set out above in the Charge Details section. Unless you cancel, your subscription(s) will auto-renew each subscription period and each subscription period thereafter, at the price(s) listed above (plus any taxes and regulatory fees applicable at the time of renewal) and your payment method on file at zoom.us/billing will be charged. You can cancel auto-renewal anytime, but you must cancel by the last day of your current subscription period to avoid being charged for the next subscription period. You will not be able to cancel your "base plan" (Zoom Meetings, Zoom Phone, or Zoom Rooms) without first canceling all other subscriptions in your plan. If you cancel, you will not receive a refund for the remainder of your then-current subscription period. You can cancel by navigating to zoom.us/billing and clicking "Cancel Subscription," clicking through the prompts,

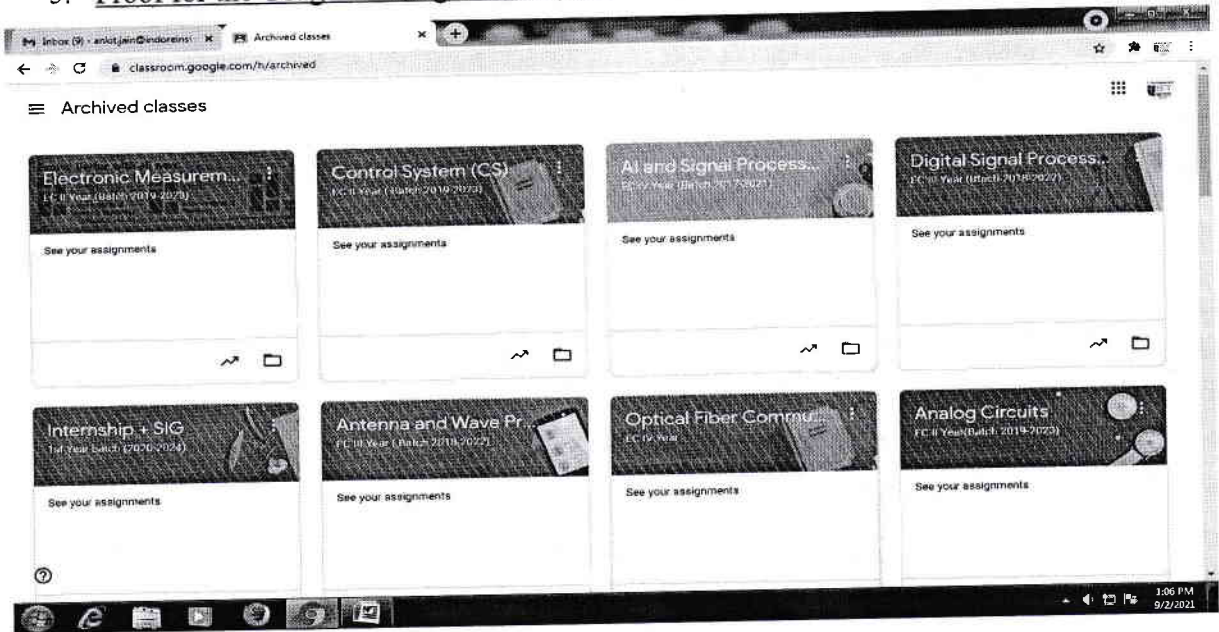
For IIST Admin
[Signature]
Chief Administrative Officer



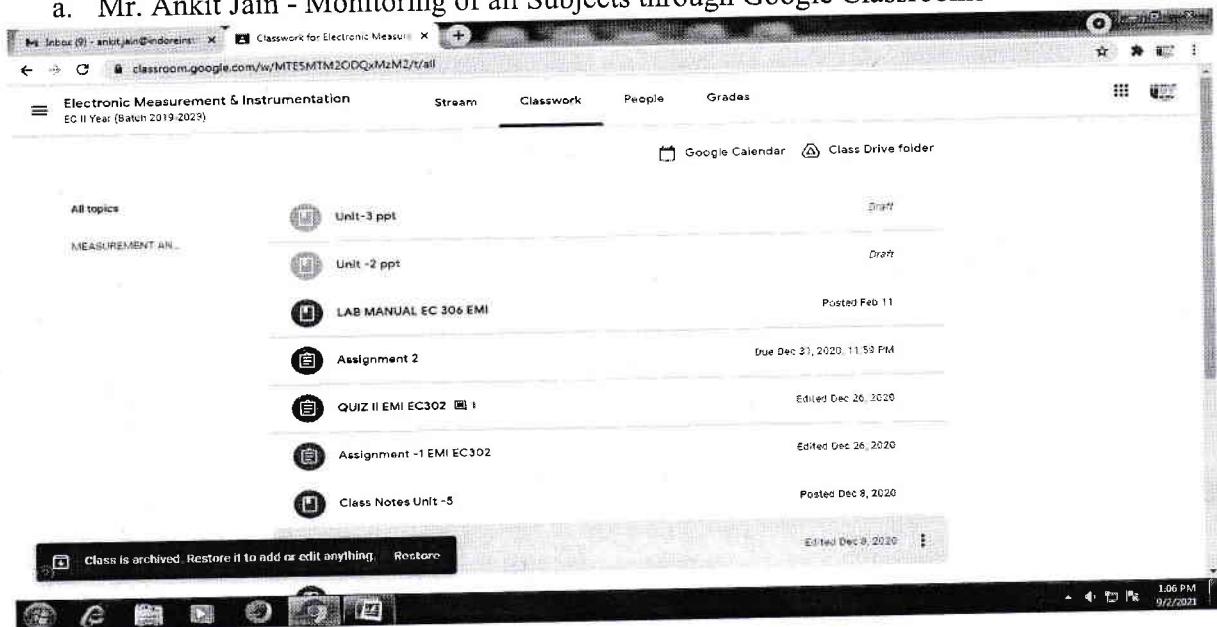
Principal
[Signature]
Indore Institute of Science
Wednesday, December 25, 2024



5. Proof for the Usage of Google Classroom



a. Mr. Ankit Jain - Monitoring of all Subjects through Google Classrooms



b. Mr. Devendra Singh Mandloi – Use Google Classroom as LMS shared Quiz, Assignment and PPT

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Wednesday, December 25, 2024



classroom.google.com/w/MTESMTM2ODQxMzZl/all

Electronic Measurement & Instrumentation
EC II Year (Batch 2019-2023)

Stream Classwork People Grades

LAB MANUAL EC 306 EMI Posted Feb 11

Assignment 2 Due Dec 31, 2020, 11:59 PM

QUIZ II EMI EC302 Edited Dec 26, 2020

No due date

12 Turned in | 13 Assigned

EMI QUIZ II EC302
Google Forms

1 class comment

View assignment

Class is archived. Restore it to add or edit anything. Restore EC302

Edited Dec 26, 2020

1:07 PM 9/2/2021

c. Mr. Devendra Singh Mandloi – EMI Subject Quiz Record

classroom.google.com/w/MzE0MTc0MDA3MjZl/all

Control System (CS)
EC II Year (Batch 2019-2023)

Stream Classwork People Grades

Google Calendar Class Drive folder

All topics

NOTES

- Practical file Posted Jul 1
- MST-2 Control System Edited Jul 14
- compensation network Posted Jun 28
- Nyquist criteria Posted Jun 28
- practical list Posted Jun 22
- State space representation Posted Jun 22
- MST -1 Examination Paper Due Apr 16, 4:00 PM

Class is archived. Restore it to add or edit anything. Restore

Edited Jul 14

1:07 PM 9/2/2021

d. Control System – Shared Practical Files, PPT and MST Papers

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Control System (CS)
EC II Year (Batch 2019-2023)

Stream Classwork People Grades

- Keshav Patidar posted a new assignment: Practical file Jun 1
- Keshav Patidar posted a new assignment: MST-2 Control System Jun 29 (Edited Jul 14)
- Keshav Patidar posted a new material: compensation network Jun 28
- Keshav Patidar posted a new material: Nyquist criteria Jun 25
- Keshav Patidar posted a new material: practical list Jun 22
- Keshav Patidar posted a new material: State space representation

Class is archived. Restore it to add or edit anything. Restore

e. Control System – Shared Notes in Google Classroom

AI and Signal Processing (AISP)
EC IV Year (Batch 2017-2021)

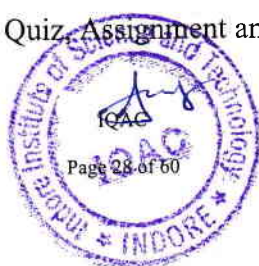
Stream Classwork People Grades

- Google Calendar
- Class Drive folder
- Quiz 2 AISP Due Jun 25
- Quiz 1 AISP Due Jun 25
- MST 2 Paper Due Jun 8, 1:00 PM
- Assignment 3 Due Jun 9
- Assignment 2 Due Jun 3
- Assignment 1 Due May 26
- AI Problem Solving PPT Posted May 2

Class is archived. Restore it to add or edit anything. Restore

f. AI and Signal Processing – Shared Quiz, Assignment and PPT in Classroom

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Classroom page for Digital Signal Processing (DSP), EC III Year (Batch 2018-2022). The page shows a list of assignments posted by ANKIT JAIN on Jun 7:

- ANKIT JAIN posted a new assignment: Lab Quiz 2 DSP
- ANKIT JAIN posted a new assignment: Lab Quiz 1
- ANKIT JAIN posted a new assignment: Quiz 2 DSP
- ANKIT JAIN posted a new assignment: Quiz-1 DSP
- ANKIT JAIN posted a new assignment: MST 2 Paper

A notification at the bottom states: "Class is archived. Restore it to add or edit anything. Restore"

g. DSP – Announcement of Quiz, Assignment and PPT in Classroom

Classroom page for Antenna and Wave Propagation, EC III Year (Batch 2018-2022). The page shows a list of assignments and resources:

- MST II Paper (1) - Posted Jun 9
- Class Notes unit -5 - Posted May 31
- Lab Manual AWP Practical - Posted May 26
- Class Notes Unit -2 - Posted May 26
- Class Notes Unit-3 & 4 - Posted May 26
- Class Notes Unit-5 - Posted May 26
- QUIZ-2 - Due Jun 2
- Due Jun 2 - Due Jun 2

Additional features include Google Calendar and Class Drive folder. A notification at the bottom states: "Class is archived. Restore it to add or edit anything. Restore"

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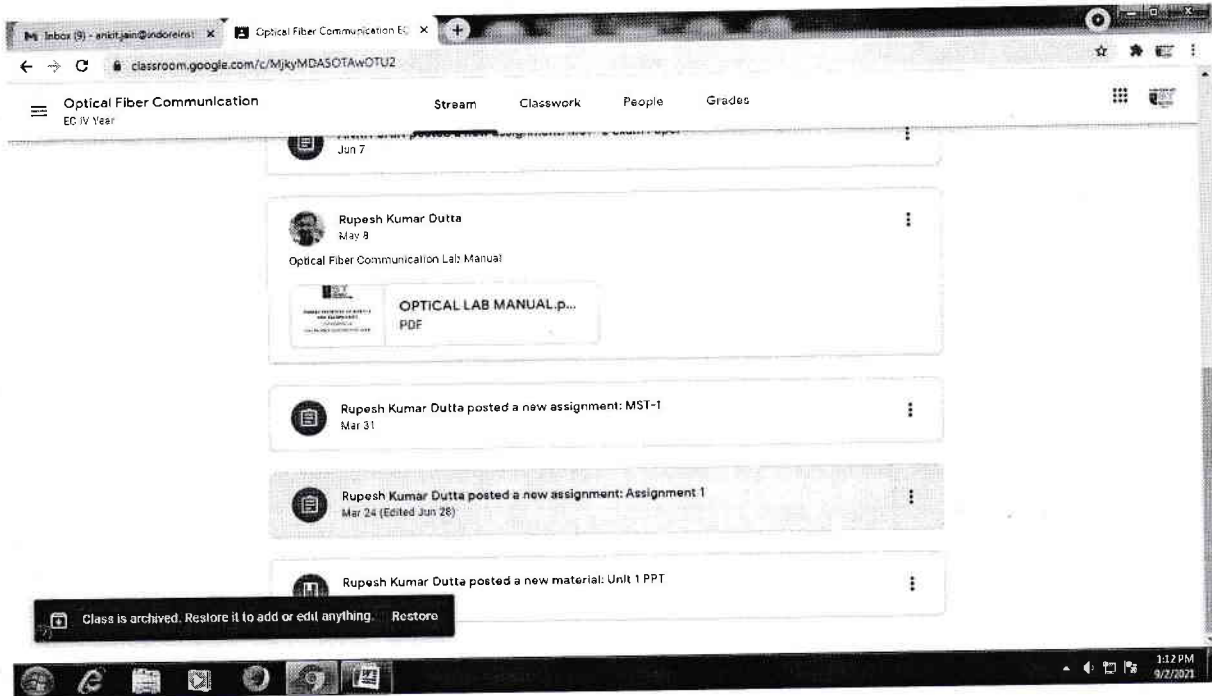
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h. Antenna and Wave Propagation – Shared Quiz, Lab Manual and Notes in Classroom



i. Optical Communication – Shared PPT and Lab Manual in Classroom

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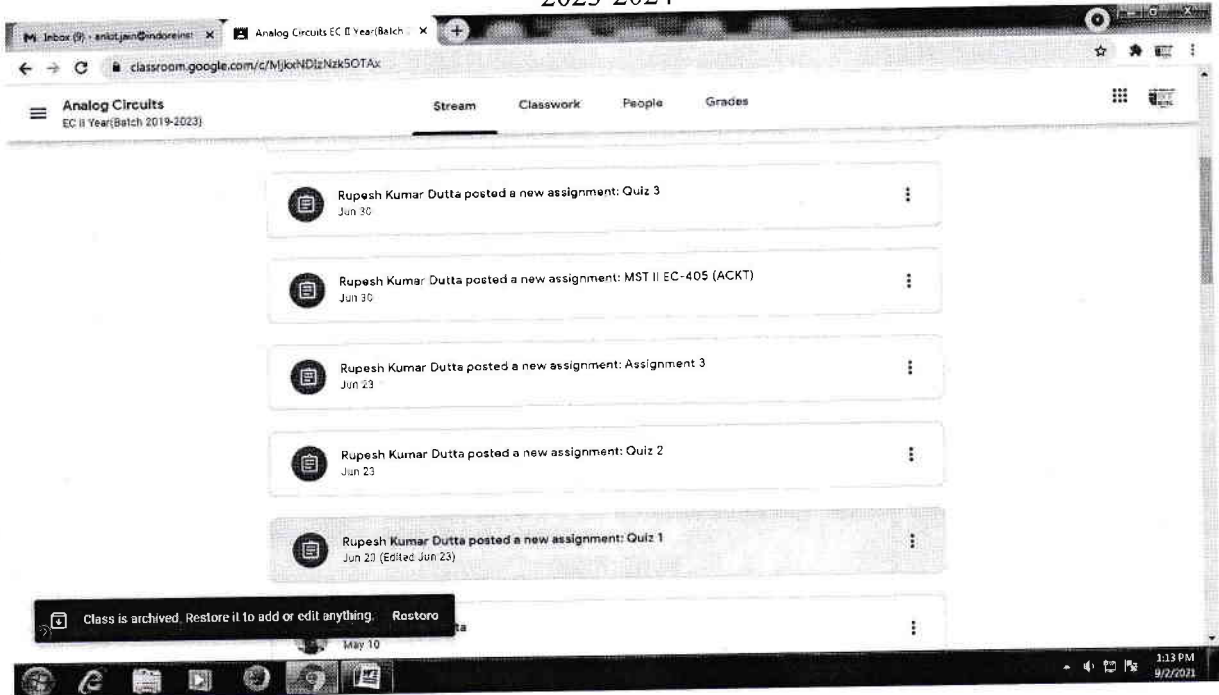
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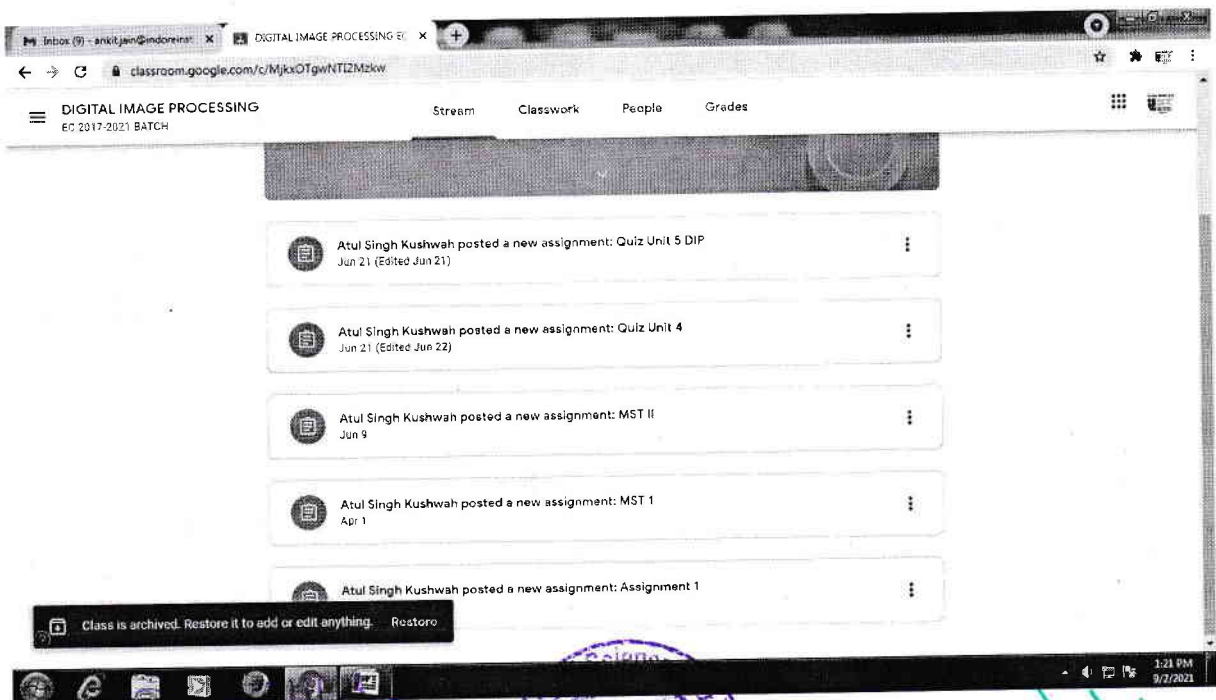


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j. Analog Circuits – Announcement of Quiz, Assignment and PPT in Classroom



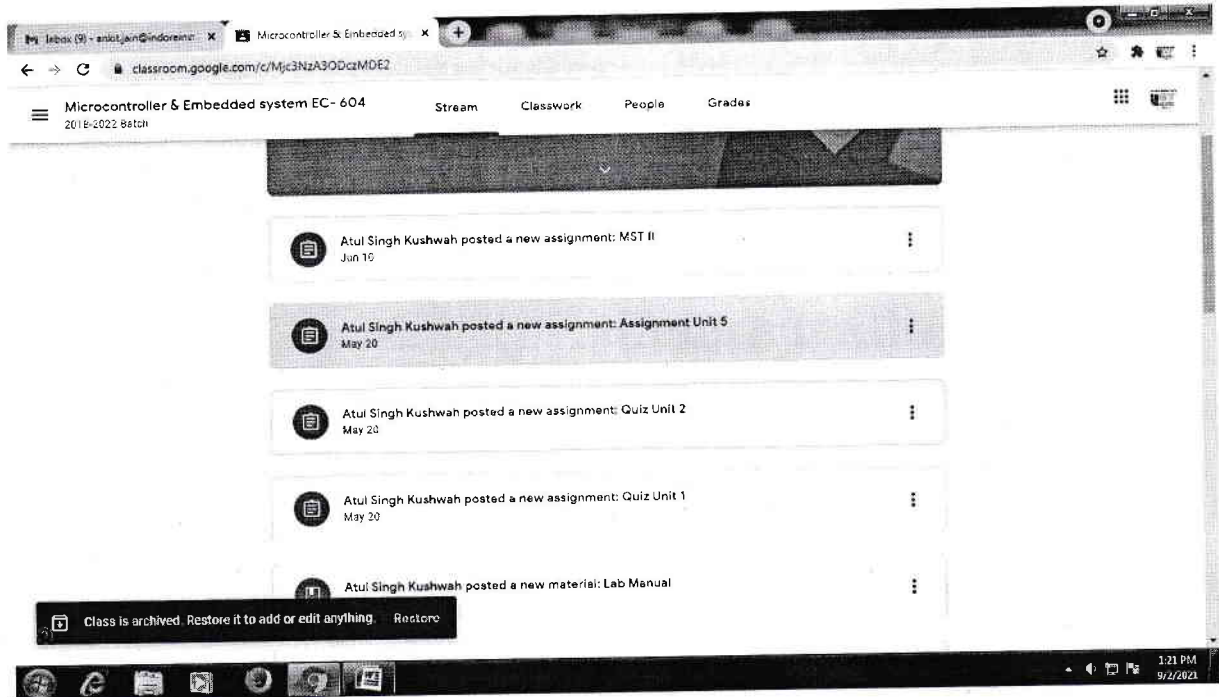
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k. Digital Image Processing – Announcement of Quiz, Assignment and PPT in Classroom

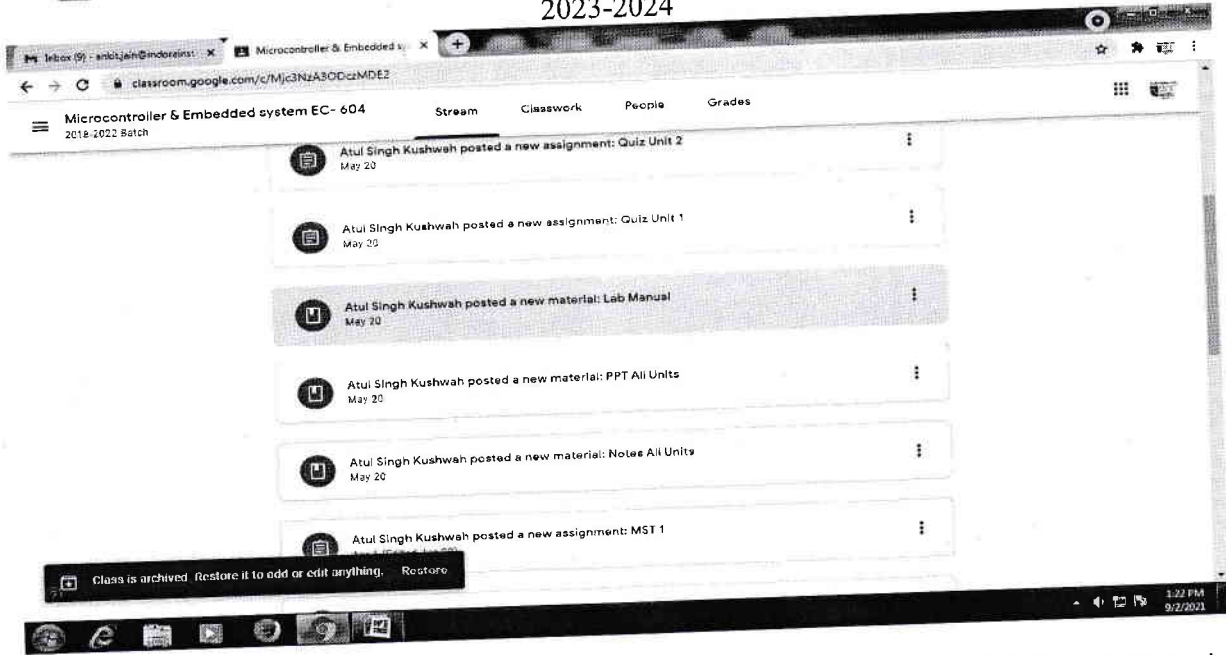


l. Microcontroller and Embedded System – Announcement of Quiz, Assignment and PPT in Classroom

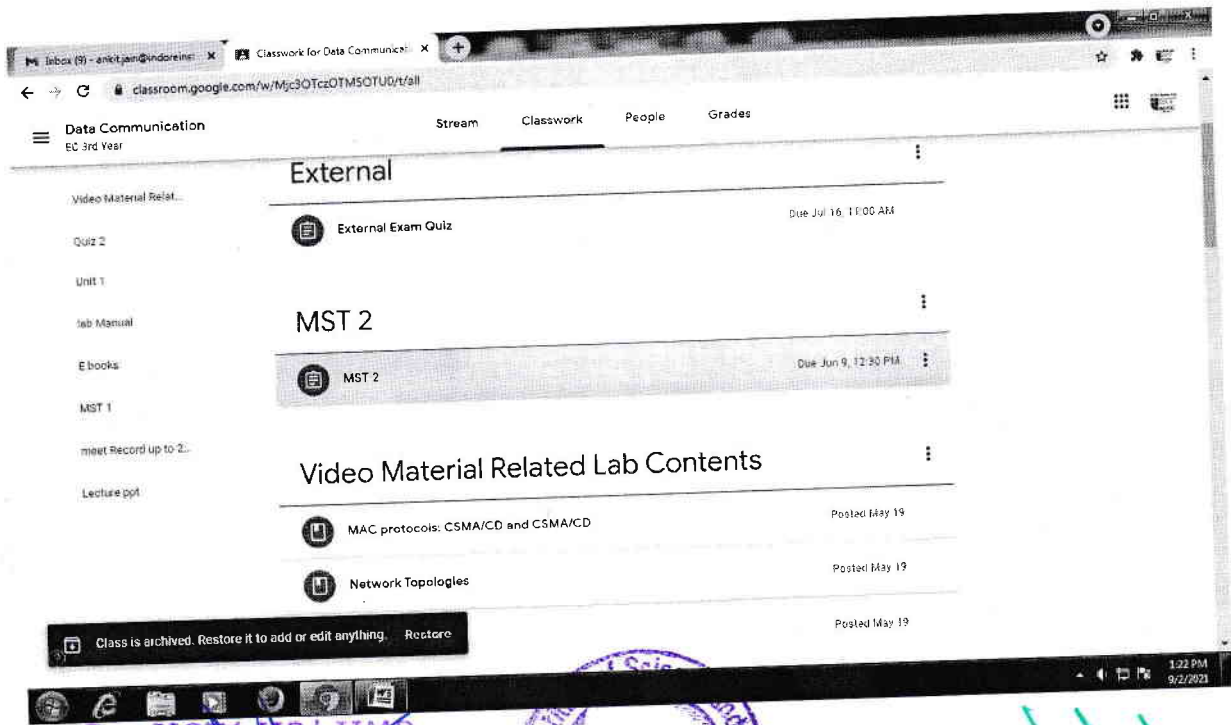
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m. Microcontroller and Embedded System – Announcement of Lab Manual, PPT and Notes in Classroom



For IIS/ IIP/ IIMR

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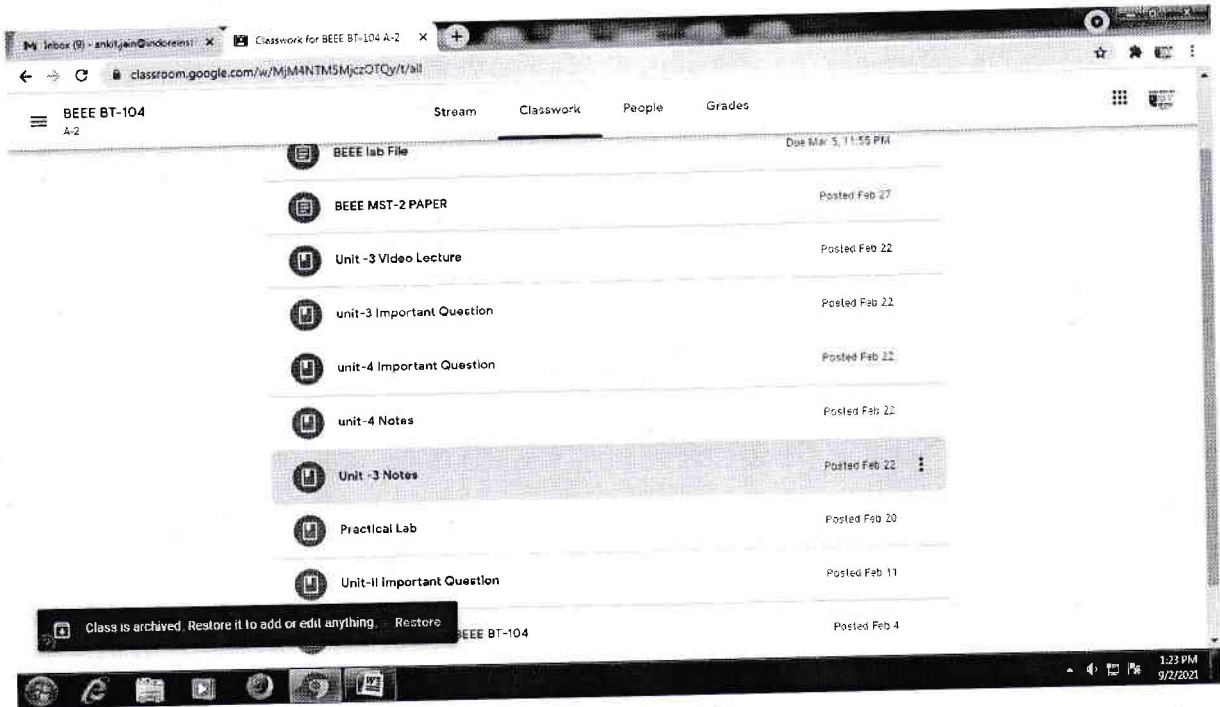


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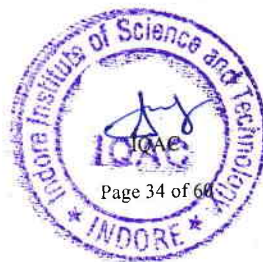


n. Data Communication – Video Material and External Exam Quiz in Classroom



o. BEEE – Video Lecture and Question Bank shared in classroom

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Network Analysis
EC II Year (Batch 2019-2023)

Stream Classwork People Grades

Google Calendar Class Drive folder

Topic	Item	Status
All topics	lab quiz	Draft
Quiz-2	Quiz	Draft
	BOOK	Posted Jan 15
	list of experiments	Posted Jan 15
	Unit 3	Posted Jan 2
	PPT Unit 5 & 4	Posted Jan 2
	Unit-1	Posted Dec 11, 2020
		Posted Dec 11, 2020

Class is archived. Restore it to add or edit anything. Restore

p. Network Analysis – Books, PPT and Notes shared in classroom

Network Analysis
EC II Year (Batch 2019-2023)

Stream Classwork People Grades

- Keshav Patidar posted a new material: BOOK
Jan 15
- Keshav Patidar posted a new material: list of experiments
Jan 15
- Keshav Patidar
Jan 9
Quiz will start at 11:30 AM
- Keshav Patidar posted a new material: Unit 3
Jan 2
- Keshav Patidar posted a new material: PPT Unit 5 & 4
Jan 2

Class is archived. Restore it to add or edit anything. Restore

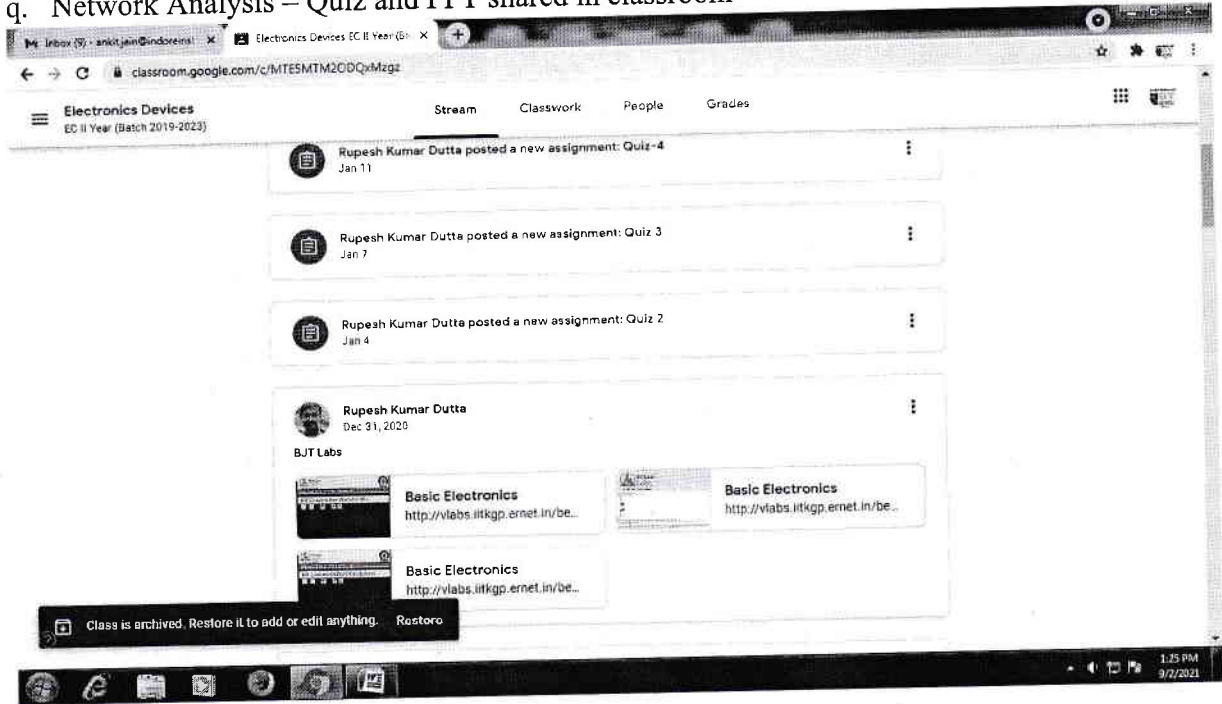
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q. Network Analysis – Quiz and PPT shared in classroom



r. Electronics Devices – Video for Lab Work shared in classroom

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[Signature]
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s. MATLAB – Lab Manual, External Exam Quiz and Assignment shared in classroom

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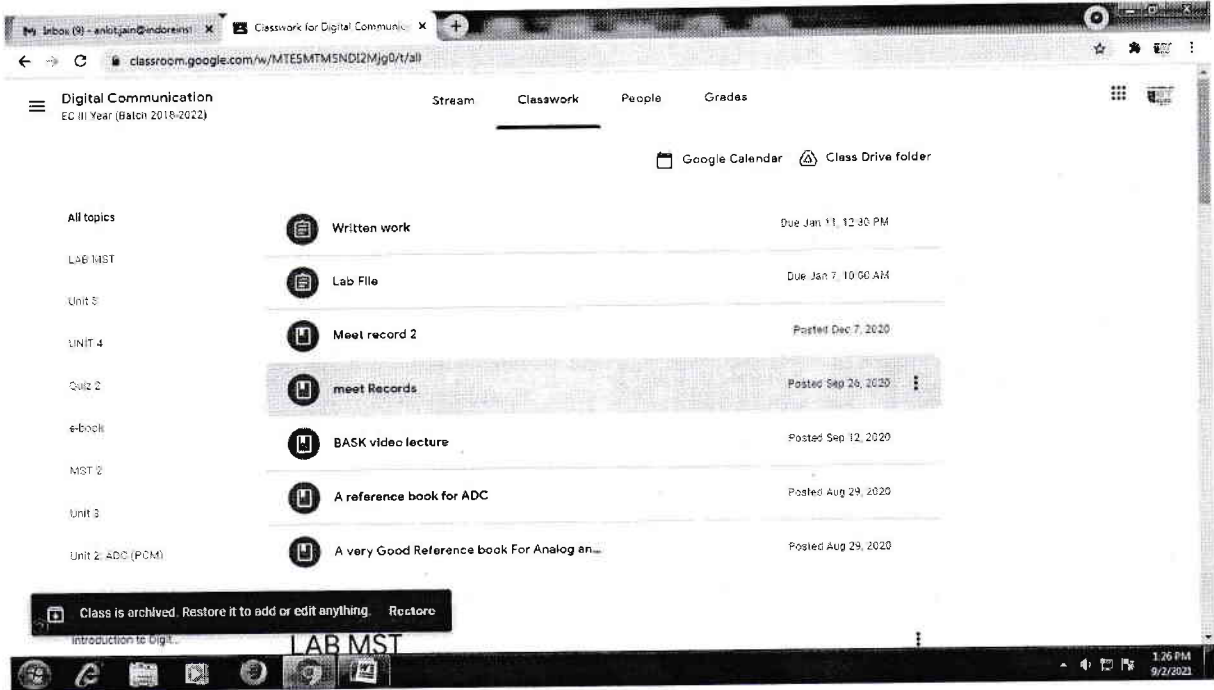
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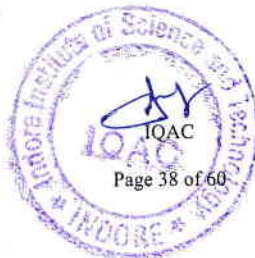
2023-2024

t. MATLAB – Announcement of Lab Manual, PPT and exam quiz in Classroom

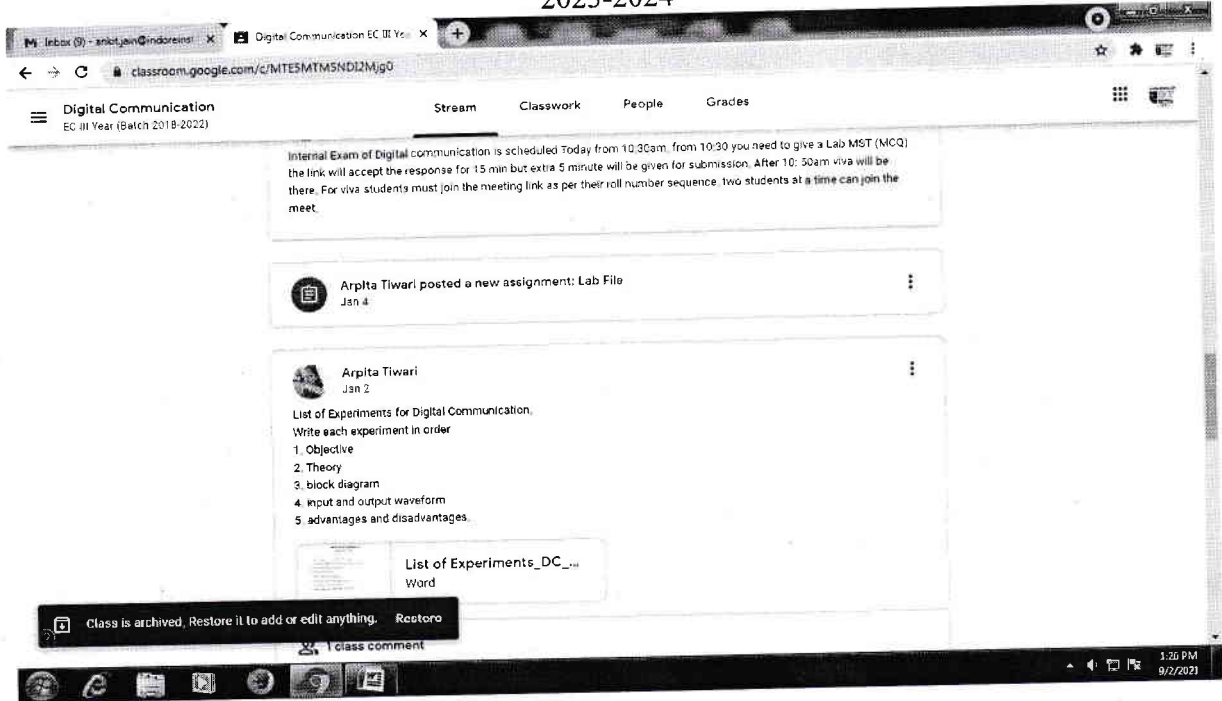


u. Digital Communication – Recorded Lectures shared in Classroom

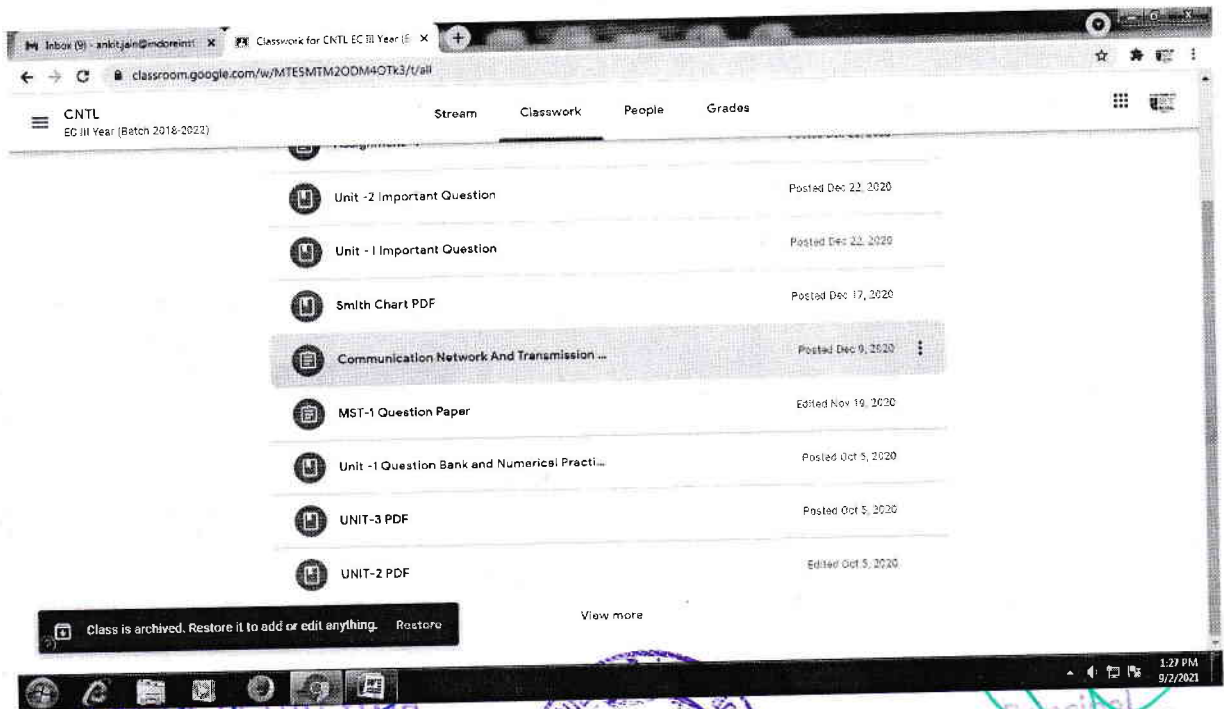
[Handwritten Signature]
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 Chief Administrative Officer



[Handwritten Signature]
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v. Digital Communication – List of Experiment shared in Classroom



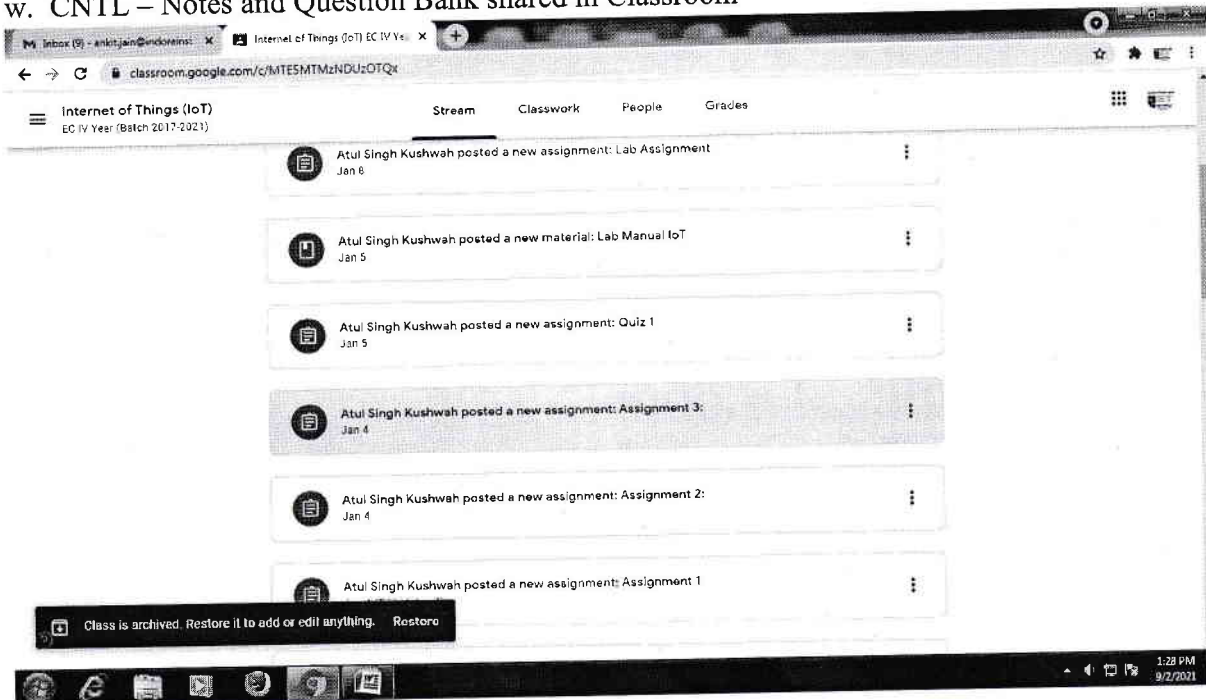
FOR IIST, IIP, IIMR
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Wednesday, December 25, 2024



w. CNTL – Notes and Question Bank shared in Classroom



x. Internet of Things – Announcement of Lab Manual, PPT and exam quiz in Classroom

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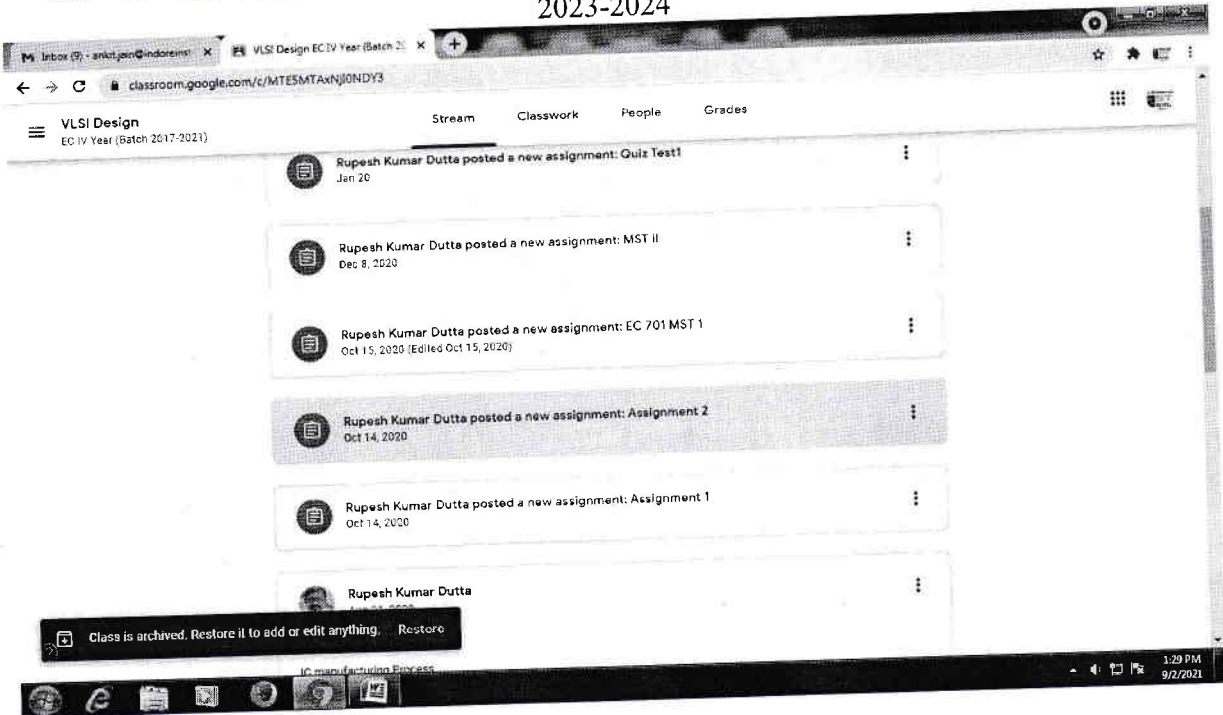
Admin

Chief Administrative Officer

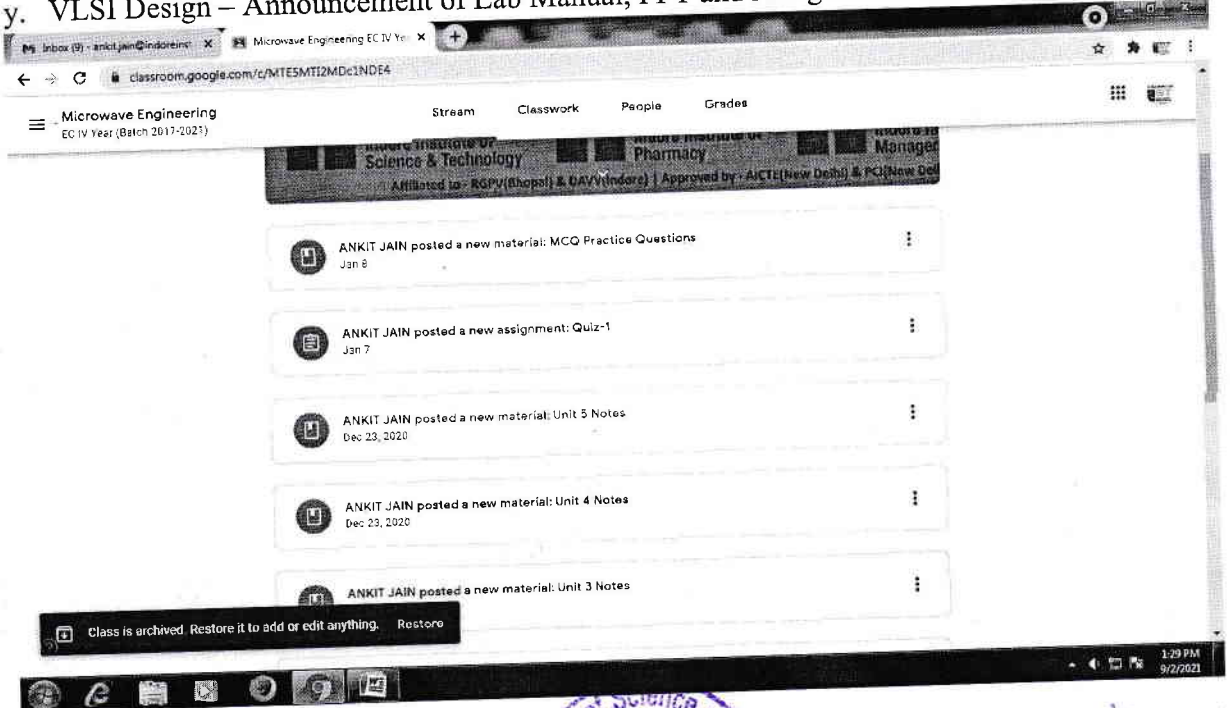


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y. VLSI Design – Announcement of Lab Manual, PPT and Assignment in Classroom



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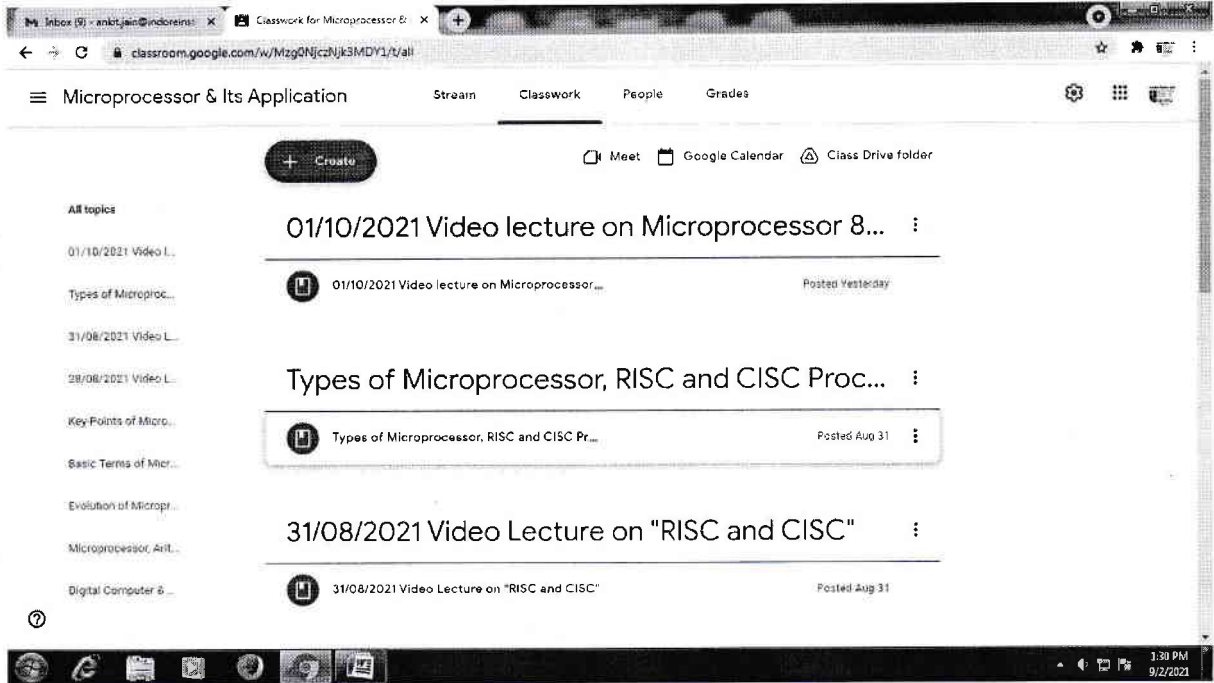
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2023-2024

z. Microwave Engineering – Announcement of Quiz, Notes and Assignment in Classroom



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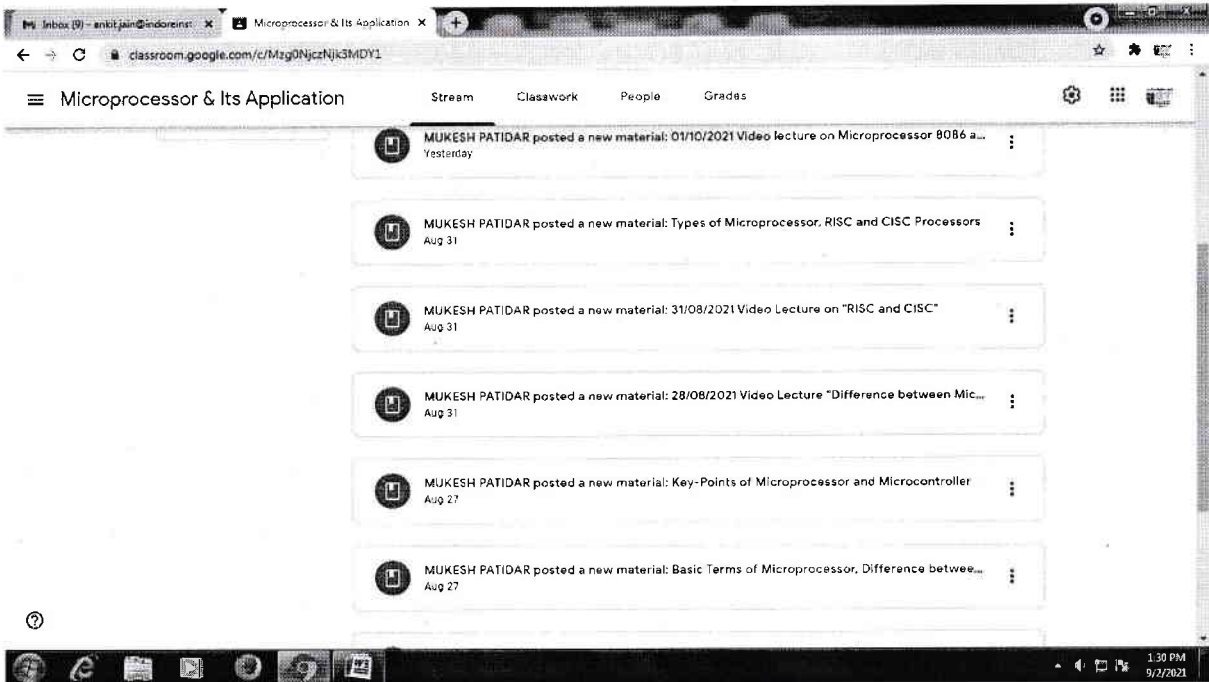
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6. Microprocessor and its application – Shared Video Lectures in classroom




7. Microprocessor and its application – Announcement of Quiz, Notes and Assignment in Classroom

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The screenshot shows a Google Classroom interface for a class titled "Digital Communication" (EC II Year Batch (2019-2023)). The page includes a "Stream" tab with a "Create" button and options for "Meet", "Google Calendar", and "Class Drive folder". A list of posts is visible:

Post Title	Posted/Edited Date
Notes	Edited Aug 27
Attendance	Edited Aug 27
TIME TABLE	Posted Aug 24
Scheme / Syllabus	Posted Aug 24
TIME TABLE	Edited Aug 24

8. Digital Communication – Shared Time Table, Syllabus and Evaluation scheme in classroom

The screenshot shows a Google Classroom interface for a class titled "SIG ON IOT and EMBEDDED SYSTEM" (2019-2023). The page includes a "Stream" tab with a list of posts:

Post Title	Posted Date
Class recording	Posted Aug 15
Recording-4	Posted Aug 12
Recording-3	Posted Aug 10
Recording-2	Posted Aug 10
Recording-1	Posted Aug 10
LIBRARY	Posted Aug 10
Recording-4	Posted Aug 15
Recording-3	Posted Aug 15

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 Chief Administrative Officer



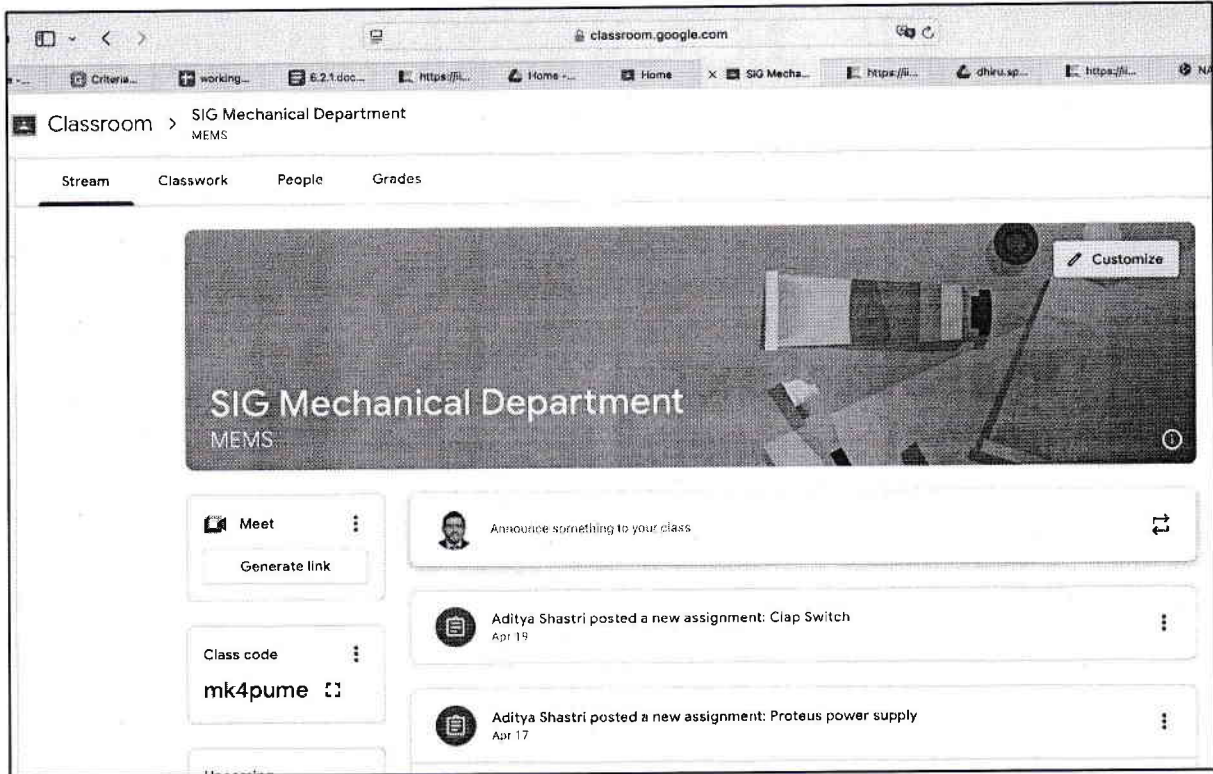
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9. SIG on MEM for Mechanical Department – Recording of Lectures shared in Classroom

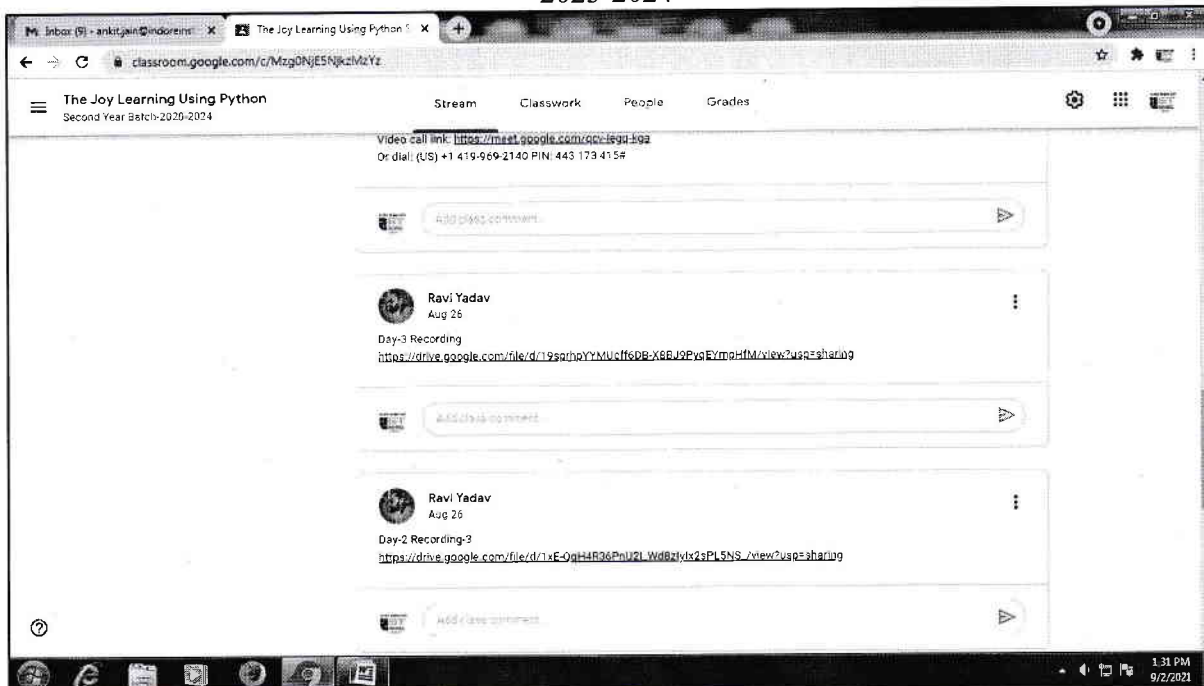


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10. SIG on The Joy Learning using Python – Recording of Lectures shared in Classroom

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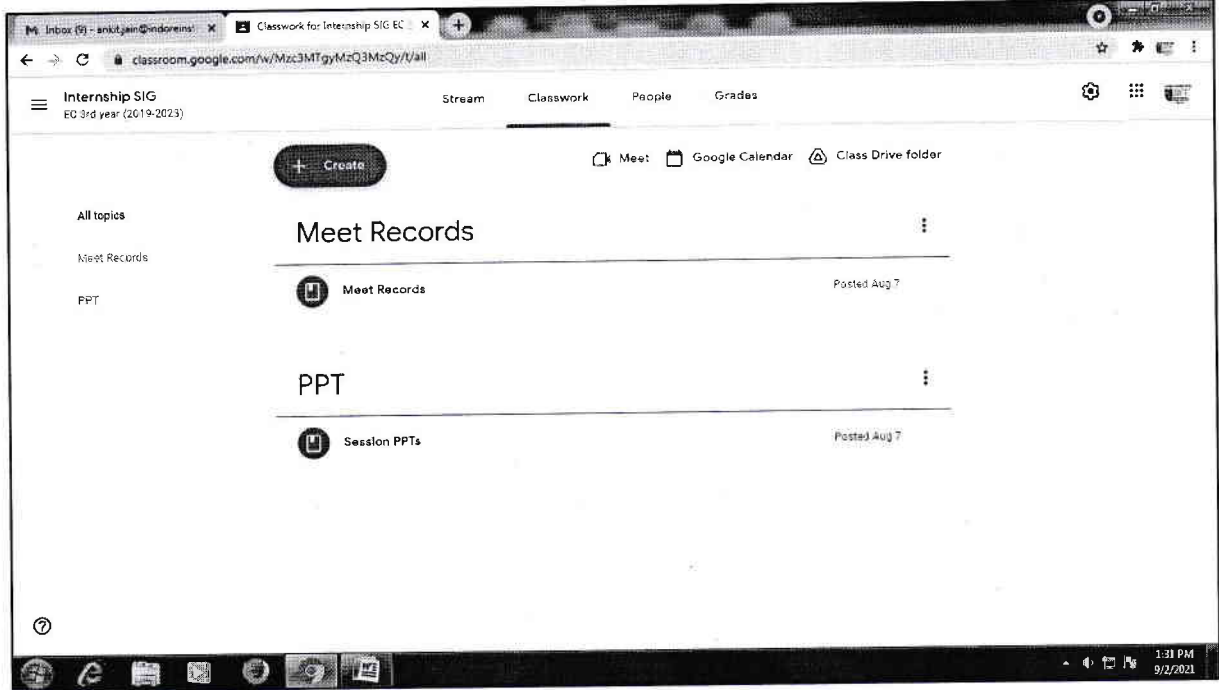



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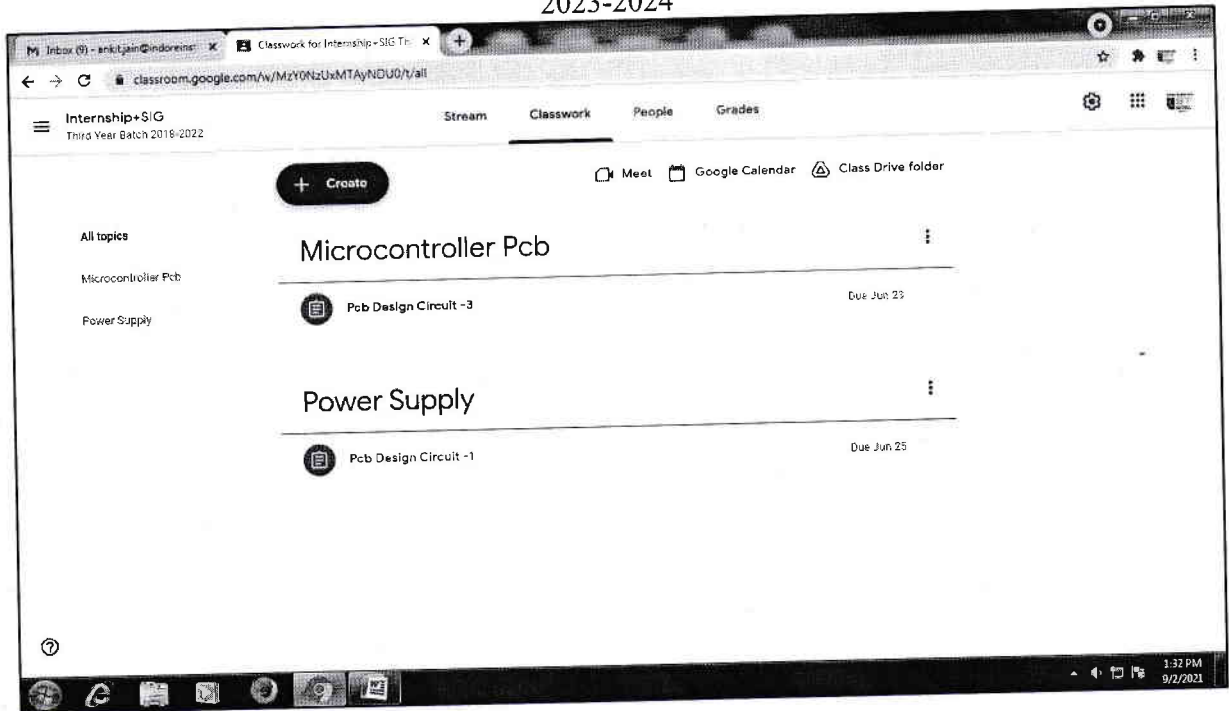


11. Internship – Recording of Lectures and PPT shared in Classroom

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12. Internship – PCB Circuit Design shared in Classroom

[Signature]
For IIST/ IIP/ IIMR
Admin
Chief Administrative Officer



[Signature]
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Principal

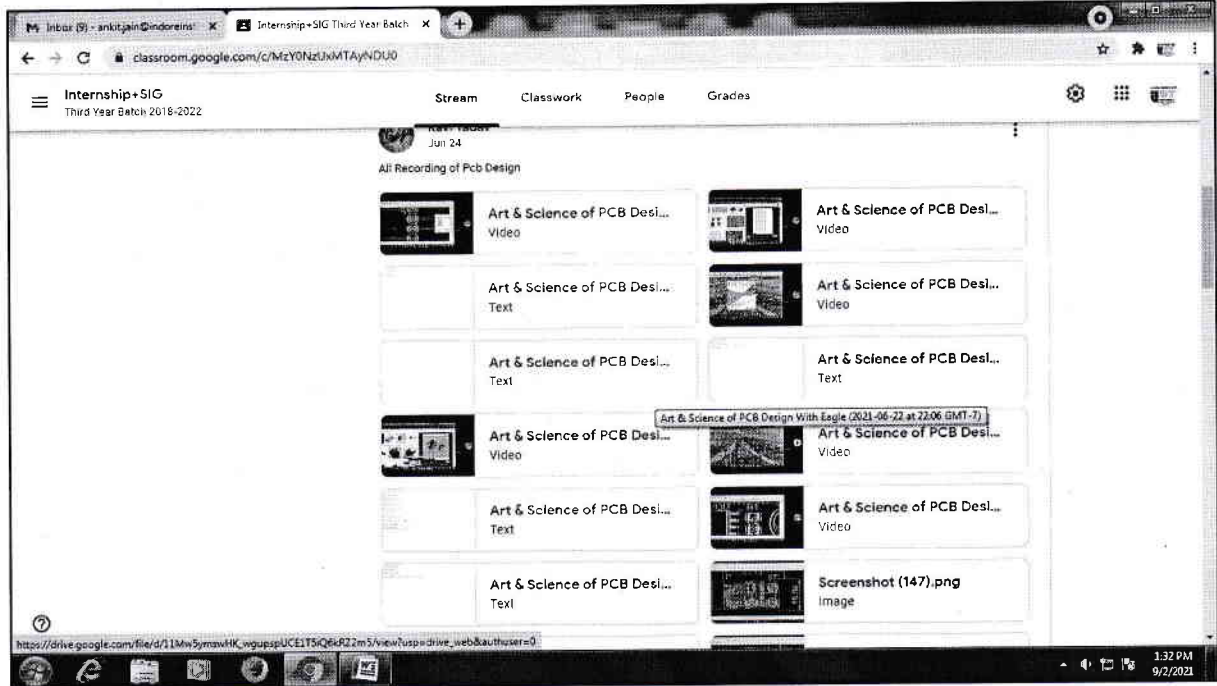
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13. Internship – Recording of Lectures shared in Classroom

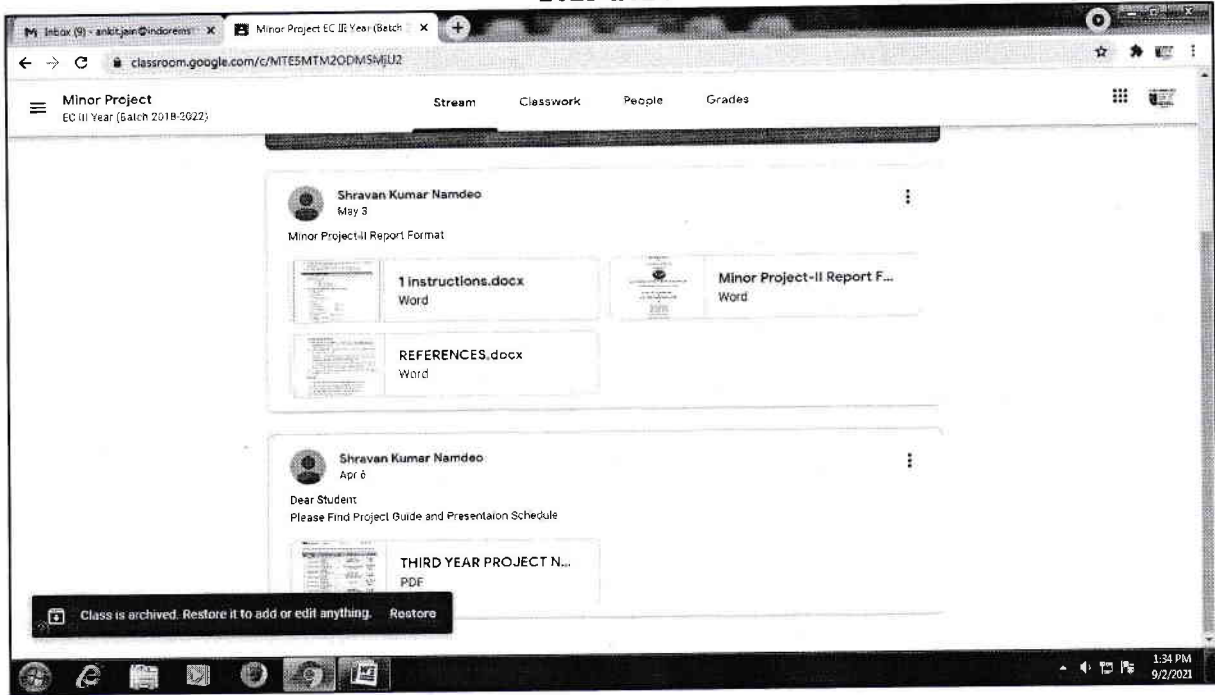
For IIST/ IIMA

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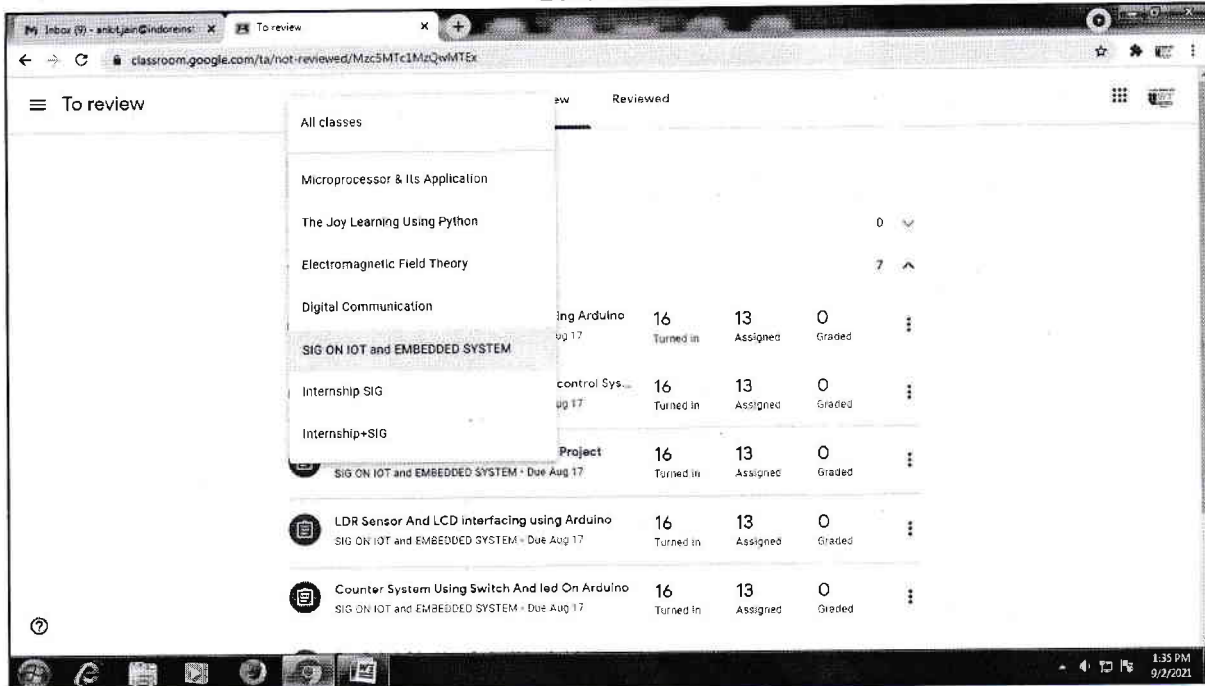


14. Minor Project –Instruction and Reference shared in Classroom

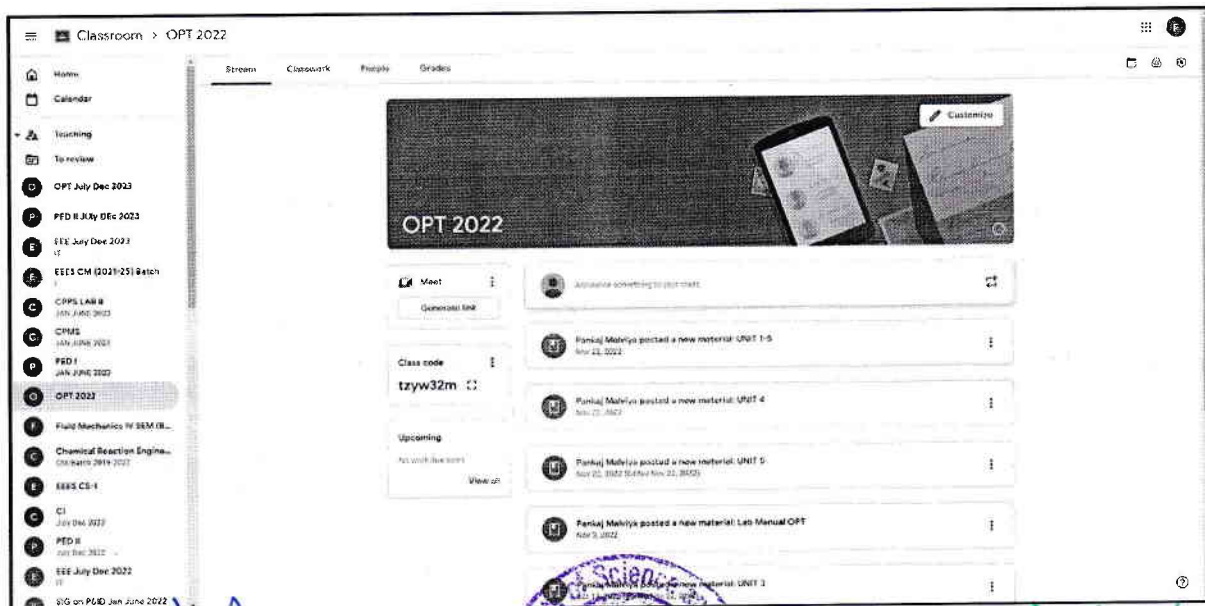
For IIST IIMR
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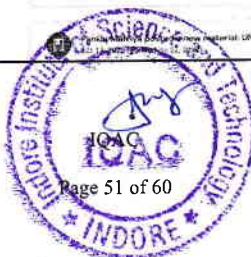
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15. Review of Various Classes in Classroom



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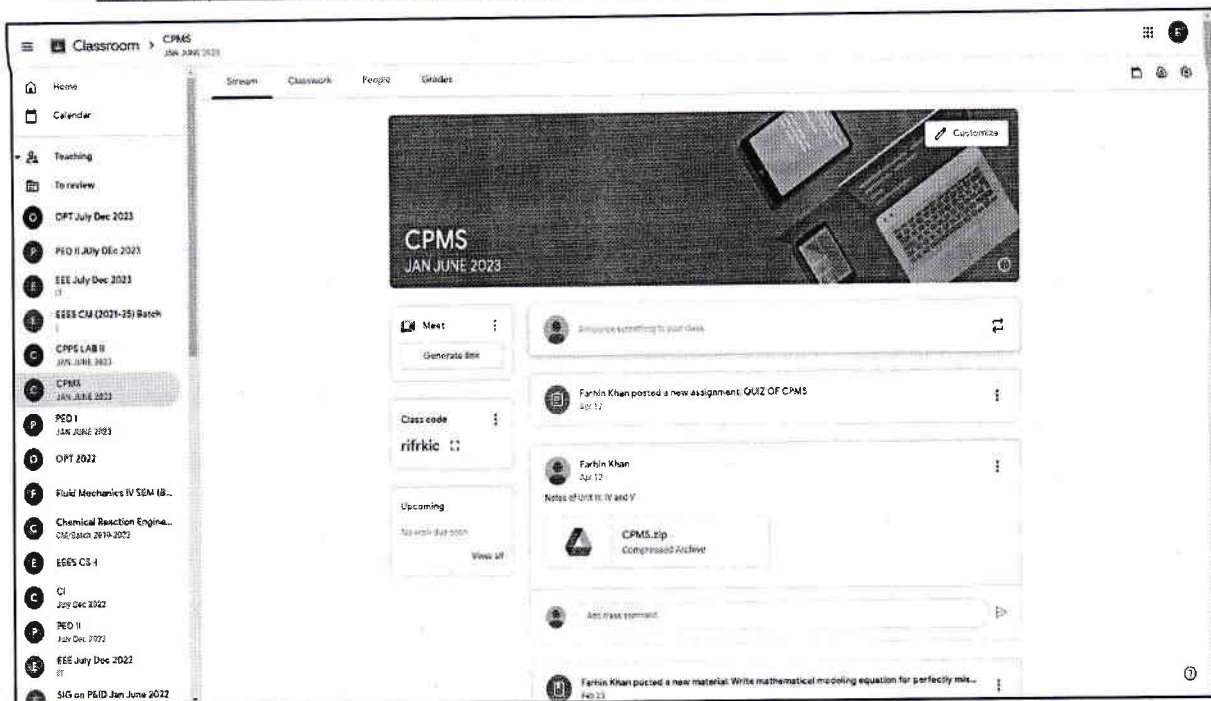


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16. OPT –Notes and Lab Manual shared in Classroom



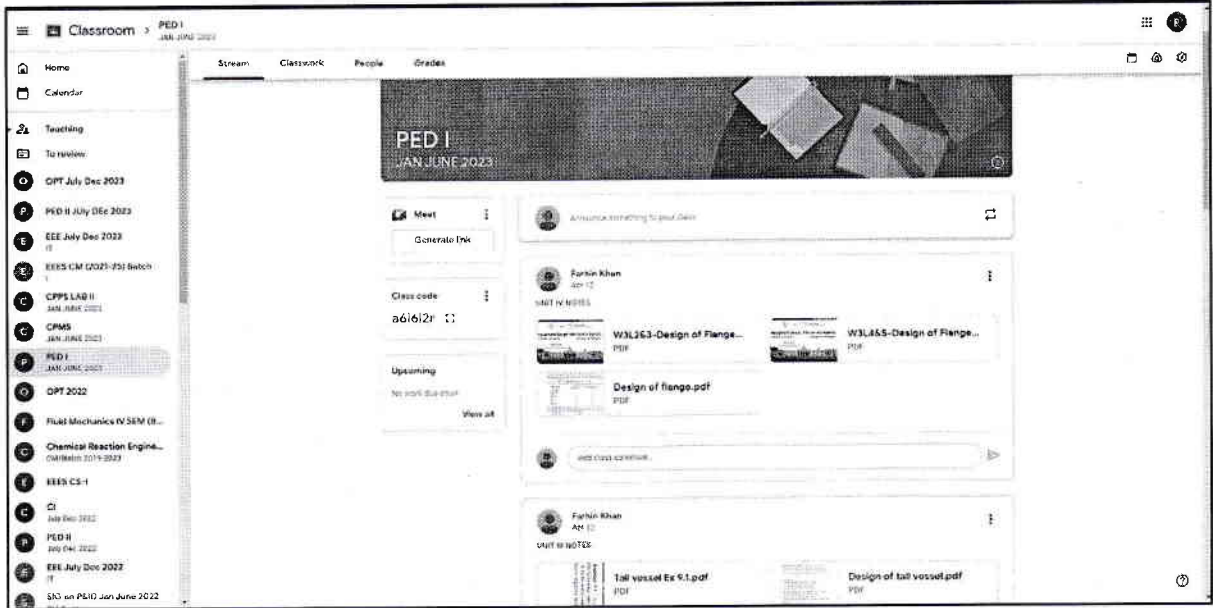
17. CPMS –Quiz and Notes shared in Classroom

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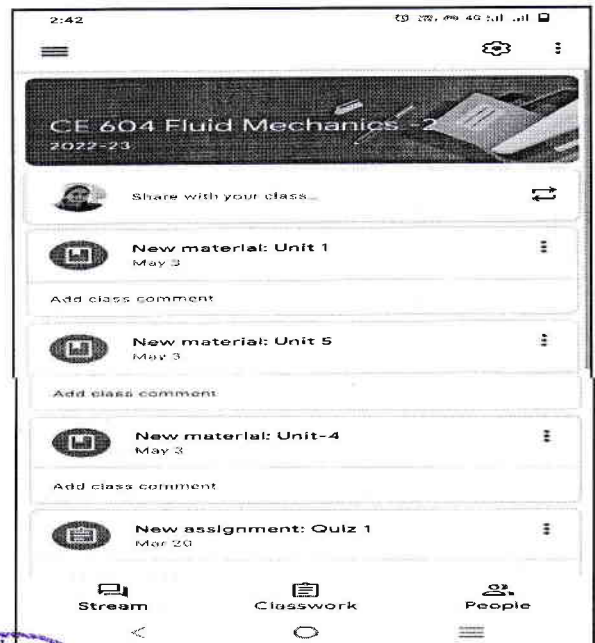
Chief Administrative Officer



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18. PED I –Notes shared in Classroom



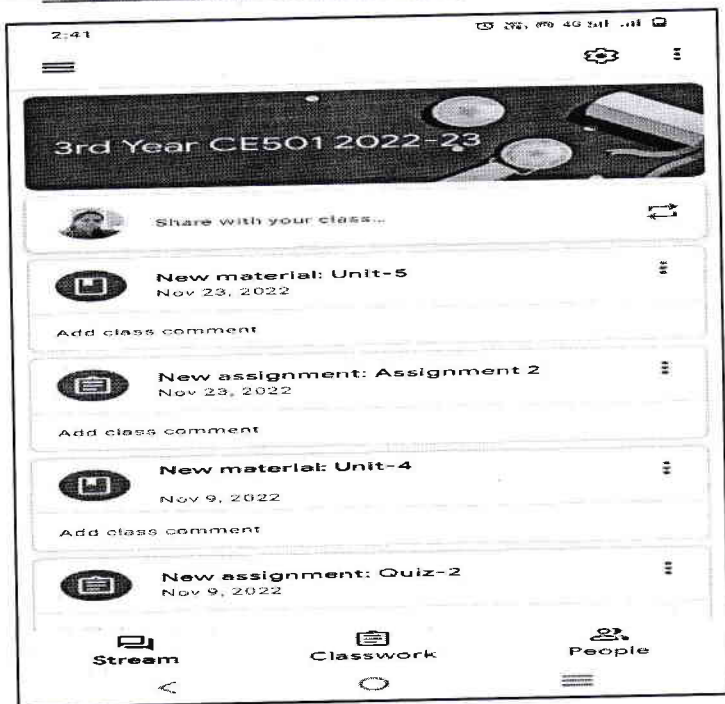
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19. Fluid Mechanics –Notes and Quiz



20. CE-501 –Notes, Assignment and Quiz shared in Classroom

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21. Design of Steel Structures –Notes shared in Classroom

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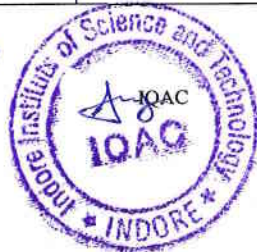
2023-2024

22. Mechanical Engineering Department for usage of ICT in teaching learning process

Department of Mechanical Engineering								
S. No	Sem	Name of Subject	Subject Code	Name of Topic	Prepared By	NPTEL link	You Tube link	Virtual Link of lab Experiment
1	VIII	Refrigeration & Air Conditioning	ME-801	Refrigeration and air conditioning	Mr. Lokesh	https://nptel.ac.in/courses/112105128	https://www.youtube.com/watch?v=7ZHnsz-yPzk&list=PL6HQVc8_tFGLTOEGDN_PYJSPEVia-vQoM&index=2	https://vmt-iitg.vlabs.ac.in/Water_cooling_tower(theory).html
2	VIII	Automobile Engineering	ME-802	Introduction of Chassis	Mr. Vipin Singh	https://nptel.ac.in/courses/107106088	https://www.youtube.com/watch?v=ilh8bnzvm8Q&list=PLSJZETVyEssmc2CMU4E4c7TIA0gvwhS10	NA
3	VIII	Entrepreneurship and Management Concepts	ME-803	Energy Conservation, management & Audit	Mr. Umesh	https://nptel.ac.in/courses/127105007	https://www.youtube.com/watch?v=ICYqc5_mJ5g	NA
4	VII	Heat and Mass Transfer	ME 701	Understanding Heat Transfer, Conduction, Convection and Radiation	Mr. Lokesh Arg.	https://nptel.ac.in/courses/112101097	https://www.youtube.com/watch?v=wbOWsYtoy3E&list=PL6HQVc8_tFGKNmq--LhvEHefPgUreAqX	https://vlab.amrita.edu/?sub=1&brch=194&sim=801&cnt=4

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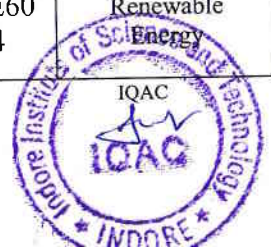
Wednesday, December 25, 2024



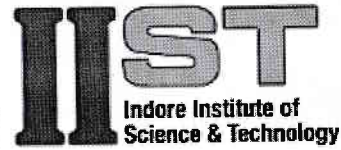
5	VII	Advance Machining Processes	ME 702	additive manufacturing	Mr. Navdeep	https://nptel.ac.in/courses/112103202	https://www.youtube.com/watch?v=1MkWjVjNFhY&list=PLYy-vaDZXAYxyB8EY_-4FYfAXfHeNY0Li	https://3dp-dei.vlabs.ac.in/exp/simulation-of-polar-machine/simulation.html
6	VII	Operation Research and Supply Chain	ME 703	Supply-Chain Management	Mr. Vipin Singh	https://nptel.ac.in/courses/110106045	https://www.youtube.com/watch?v=QW3yPIVuaa4&list=PL6HQVc8_tFGLsNBWPjHkXAT1hVKjbf8	NA
7	VI	Thermal Engineering and Gas Dynamics	ME601	INTRODUCTION AND BASIC CONCEPTS of TEGD	Mr. Navdeep Jain	https://nptel.ac.in/courses/112106196	https://www.youtube.com/watch?v=fGTT6eUjTtE&list=PL6HQVc8_tFGI_JFsZMEjXHudN8ZPMjLp8	https://www.youtube.com/watch?v=agBQJVerQQc
8	VI	Machine Component Design	ME602	STEADY STRESSES & VARIABLE STRESSES IN MACHINE MEMBERS	Dr. Vivek Gupta Sir	https://archive.nptel.ac.in/courses/112/105/112105124/	https://www.youtube.com/watch?v=fGTT6eUjTtE&list=PL6HQVc8_tFGI_JFsZMEjXHudN8ZPMjLp8	https://mm-nitk.vlabs.ac.in/exp/universal-joint/simulation.html
9	VI	Turbo Machinery	ME603	Fluid Dynamic Characterization of Turbo-machinery	Mr. Suveer	https://nptel.ac.in/courses/112106200	https://www.youtube.com/watch?v=rdb6rL4k1Bk&list=PL6HQVc8_tFGJCRrBg94-T_WEGPxL4FeoQ	https://fmc-nitk.vlabs.ac.in/exp/kaplan-turbine/simulation.html
10	VI	Renewable Energy Technology	ME604	Renewable Energy	Mr Umesh Badode	https://nptel.ac.in/courses/103103206	https://www.youtube.com/watch?v=roxuawcqzCA&l	NA

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							ist=PL9fGaCid4G_a2aS-Hjm_uVNsYhiQdYMyq	
11	V	I C Engines	ME501	Fuel Induction to Combustion in I.C. Engines	Mr. Akashdeep Gupta	https://nptel.ac.in/courses/112103262	https://www.youtube.com/watch?v=LwmVczg4Dg&list=PLiSPNzs4fD9tOj1Zi4JIHg5LJomkez_zJ	http://vlabs.iitkgp.ernet.in/rtvlas/exp1/index.html#
12	V	Mechanical Vibration	ME502	Free Vibrations of Particles. Simple Harmonic Motion	Mr. Vipin Singh	https://nptel.ac.in/courses/112107212	https://www.youtube.com/watch?v=cLzfdO1gOrk&list=PLiSPNzs4fD9spvBAR_fpt5SIe-Eg1YoN9	https://mdmv-nitk.vlabs.ac.in/exp-sdof-system-nitk/simulation.html
13	V	Dynamics of Machine	ME503	Governors		https://nptel.ac.in/courses/112104114	https://www.youtube.com/watch?v=oLM6uCNlihA&list=PLelAq9xzEDXCpJbs5K6kN9LyA9TDHiLed	NA
14	V	Industrial Engineering & Ergonomics	ME504	Industrial and Systems Engineering	Mr. Umesh Badode	https://nptel.ac.in/courses/112107292	https://www.youtube.com/watch?v=JW_bwRRu56w&list=PLNyPK_sfNdSTX5Z_V48T6U5WRIAtNYTnv	NA

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15	IV	Energy & Environmental Engineering	ME401	Green Engineering, Process Safety and Inherent Safety: A New Paradigm	Mr. Umesh	https://nptel.ac.in/courses/127105018	https://www.youtube.com/watch?v=jtZ3oEX5w6g	NA
16	IV	INSTRUMENTATION & CONTROL	ME402	Introduction to control system	Mr. Suveer and Mr Vipin Singh	https://nptel.ac.in/courses/108105064	https://www.youtube.com/watch?v=zuVUdjtsTs&list=PLk7ptZc19vmj6d5sVdW2NISPW0LrOudXU	https://ems-iitr.vlabs.ac.in/exp/dcmotor-field-resistance-control/simulation.html
17	IV	THEORY OF MACHINES	ME403	Introduction of gear	Mr. Vipin Singh	https://nptel.ac.in/courses/112104121	https://www.youtube.com/watch?v=Vo5ZFmA47Uc&list=PL6HQVc8_tFGlxD8Eubd1M2VfSsSOM2teD	https://dom-nitk.vlabs.ac.in/exp/disc-type-flywheel/simulation.html
18	IV	FLUID MECHANICS	ME404	Components of Centrigugal pumps	Dr. Vivek Mishra	https://nptel.ac.in/courses/112105171	https://www.youtube.com/watch?v=3AFTt1dStMM&list=PL6HQVc8_tFGLEotM-r7doeCVP2QqYCMha	https://fm-nitk.vlabs.ac.in/exp/calibration-of-v-notch/simulation.html

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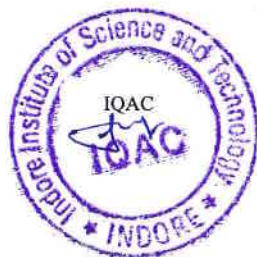


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19	IV	MANUFACTURING TECHNOLOGY	ME405	Heat Treatment		https://nptel.ac.in/courses/112107219	https://www.youtube.com/watch?v=H6Afy1sizmE&list=PLjQMEOXj4i1-Rfm9ta8khrGCukzPZt1eA	https://mrmsmtbs-iitk.vlabs.ac.in/exp/indent-depth/simulation.html
20	III	Thermodynamics	ME-301	The Experimental Measurement of Heat	Mr. Suveer Dubey	https://nptel.ac.in/courses/127106135	https://www.youtube.com/watch?v=nfwrVdHJ7Lk&list=PL6HQVc8_tFGJUuTSGzOFC17-Sn92IAauC	NA
21	III	Materials Technology	ME-302	Introduction Of Construction Material	Dr. Vivek Mishra	https://nptel.ac.in/courses/113102080	https://www.youtube.com/watch?v=H6Afy1sizmE&list=PLjQMEOXj4i1-Rfm9ta8khrGCukzPZt1eA	https://mrmsmtbs-iitk.vlabs.ac.in/exp/hardness-modulus/simulation.html
22	III	Strength of Material	ME-303	Classifying Loads on Materials	Mr. Mukesh Sharma	https://nptel.ac.in/courses/105105108	https://www.youtube.com/watch?v=LTxw9ugECU4&list=PL6HQVc8_tFGI0dfOxFioOdm-QmcPxiv85	https://sm-nitk.vlabs.ac.in/exp/izod-impact-test/simulation.html
23	III	Manufacturing Process	ME-304	Basic Machine Processes	Mr. Shantanu roy	https://nptel.ac.in/courses/112104195	https://www.youtube.com/watch?v=t3XNDPDEj4Q&list=PL6HQVc8_tFGKHr9I8IYHK2Q3MPx4qVEUY&index=6	http://vlabs.iitkgp.ac.in/psac/newlabs2020/vlabiitkgpAM/exp1/Webpage/index.html

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