



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

363, Arcot Road, Kodambakkam, Chennai – 24
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Email Id: principal@msec.edu.in
Website : www.msec.edu.in

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

INDEX

S.NO	CONTENT	Page No
1	List of ICT tools used	2
2	Smart Class Room	3
3	Computer assisted learning	6
4	Google Class Room	8
5	Video Lecturing	12
6	Course PPT and materials	14
7	Google Forms (MCQ)	17
8	Online Platform test	20
9	E-book and E-journal facilities available in library	22
10	Online Courses	23

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1. List of ICT tools used

- Smart class room
- Computer assisted learning
- Google class room
- Online class room
- Lab experiments through video lecturing
- Course PPT and materials available in college website
- E-book and E-journal facilities available in library
- Naan Muthalvan, NPTEL and SWAYAM courses

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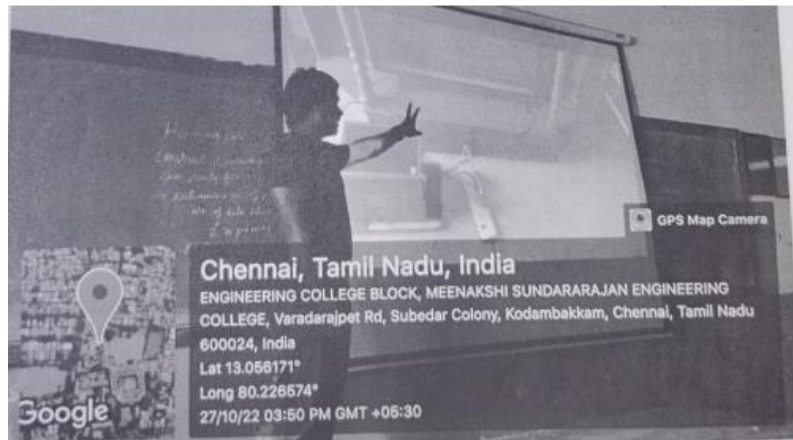
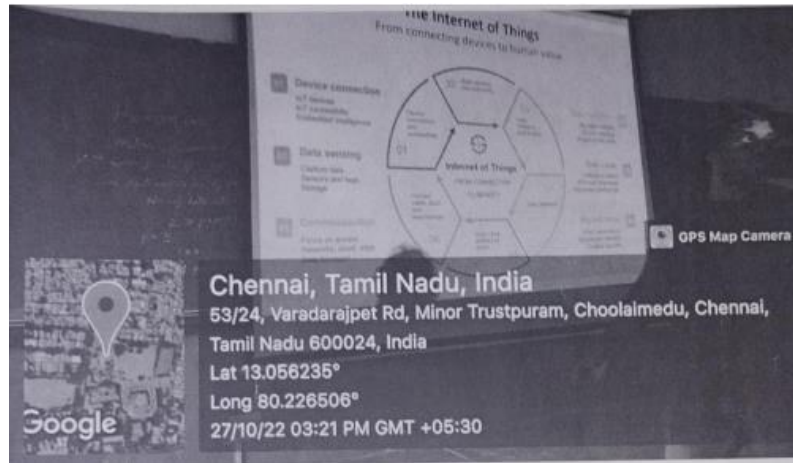


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2. SMART CLASS ROOM

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



Topic : Internet of Things

Date: 27/10/2022

Venue : CSE Classroom

Target Audience : CSE Students

Resource Person : Mr. Prasanth Babu, CEO, Echeveria Educations Pvt. Ltd., Chennai.

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Topic : Workshop - “Data Science using Python”

Date: 6/9/2022

Venue : CSE LAB

Target Audience : CSE Students

Resource Person : Ms. Sindhu.S, Tech mentor, Live Wire, Chennai

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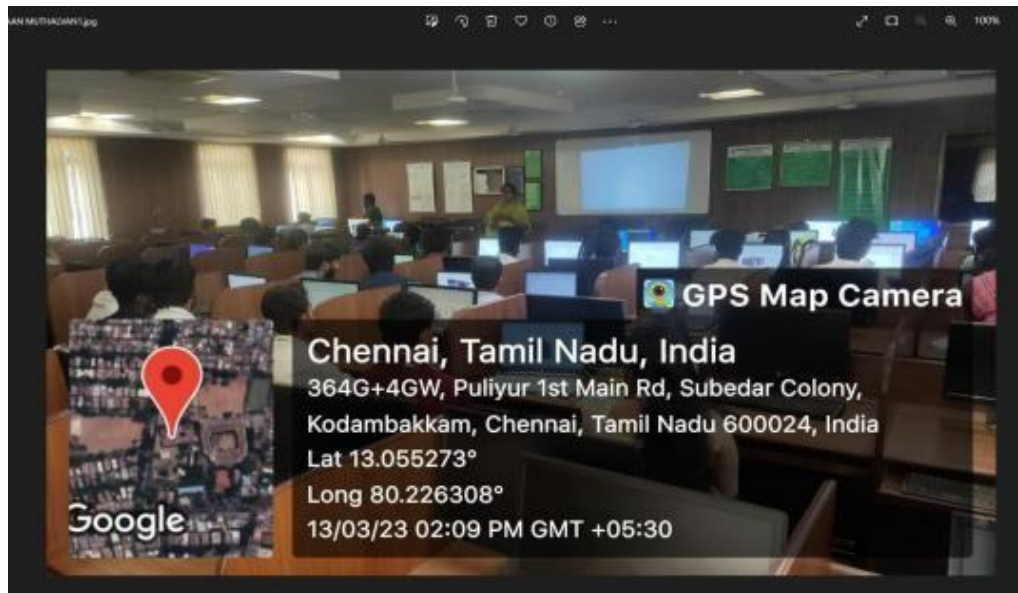
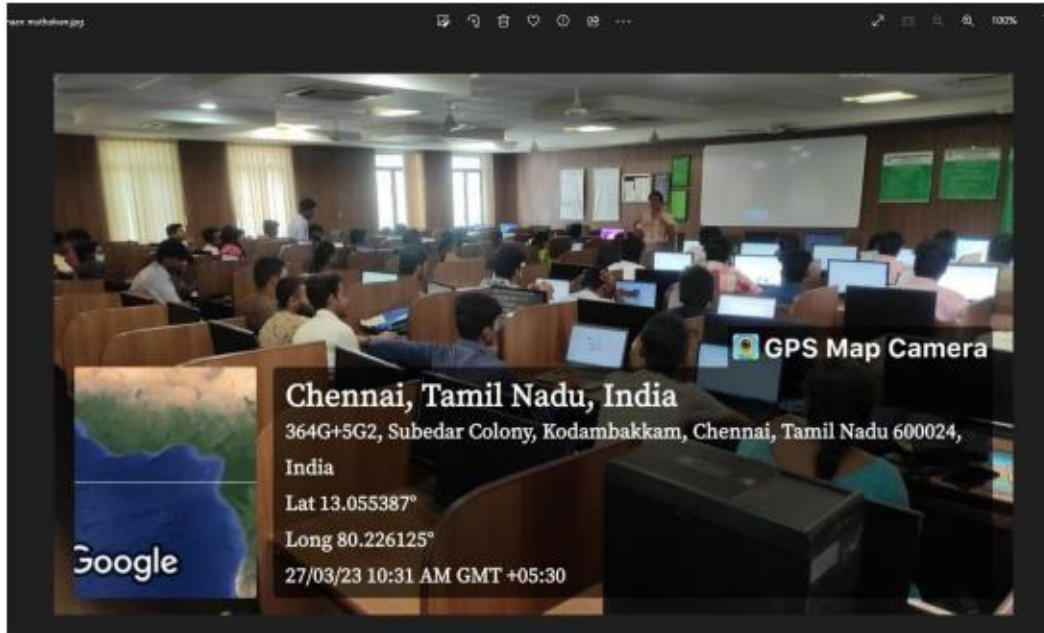


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3. Computer Assisted Learning



Computer Assisted Learning (IT Students)



Computer Assisted Learning (ECE Students)

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Computer Assisted Learning (CSE Students)



Computer Assisted Learning (CIVIL Students)

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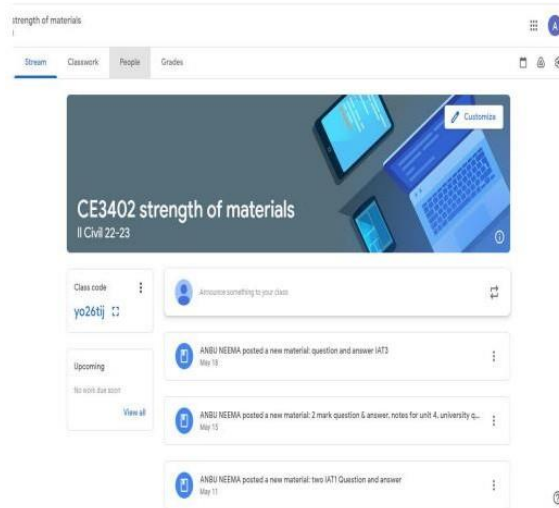
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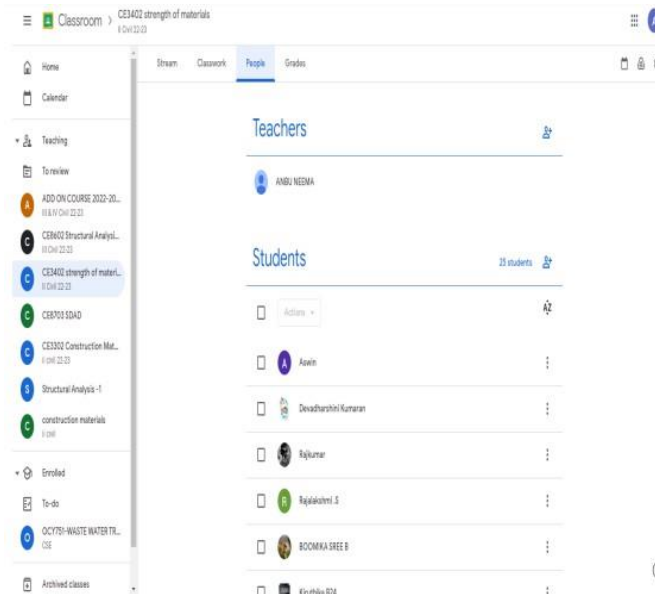
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4. Google Class Room



(Google Class Room – Civil Department)



(Google Class Room – Civil Department)

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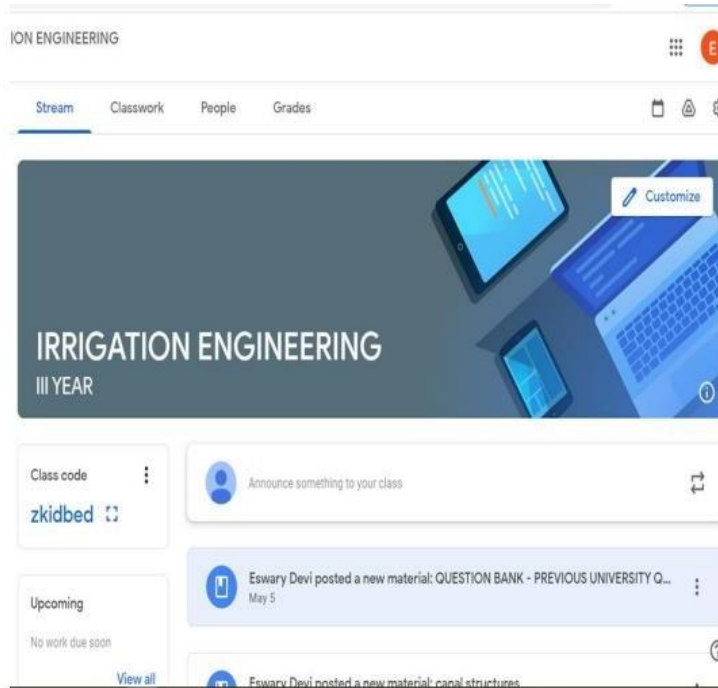


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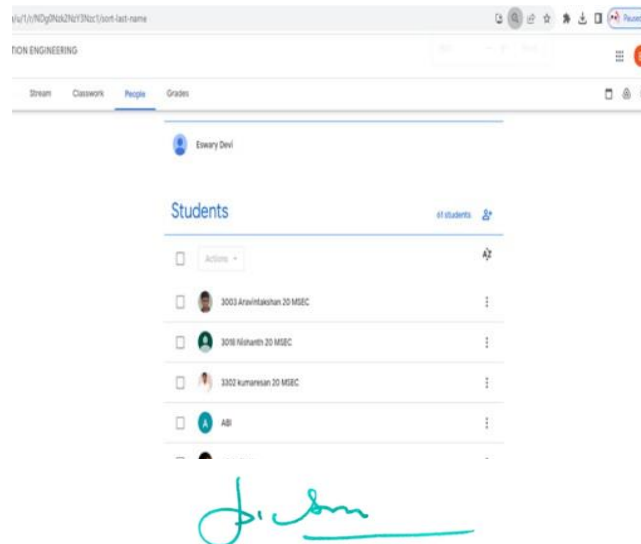
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(Google Class Room – Civil Department)



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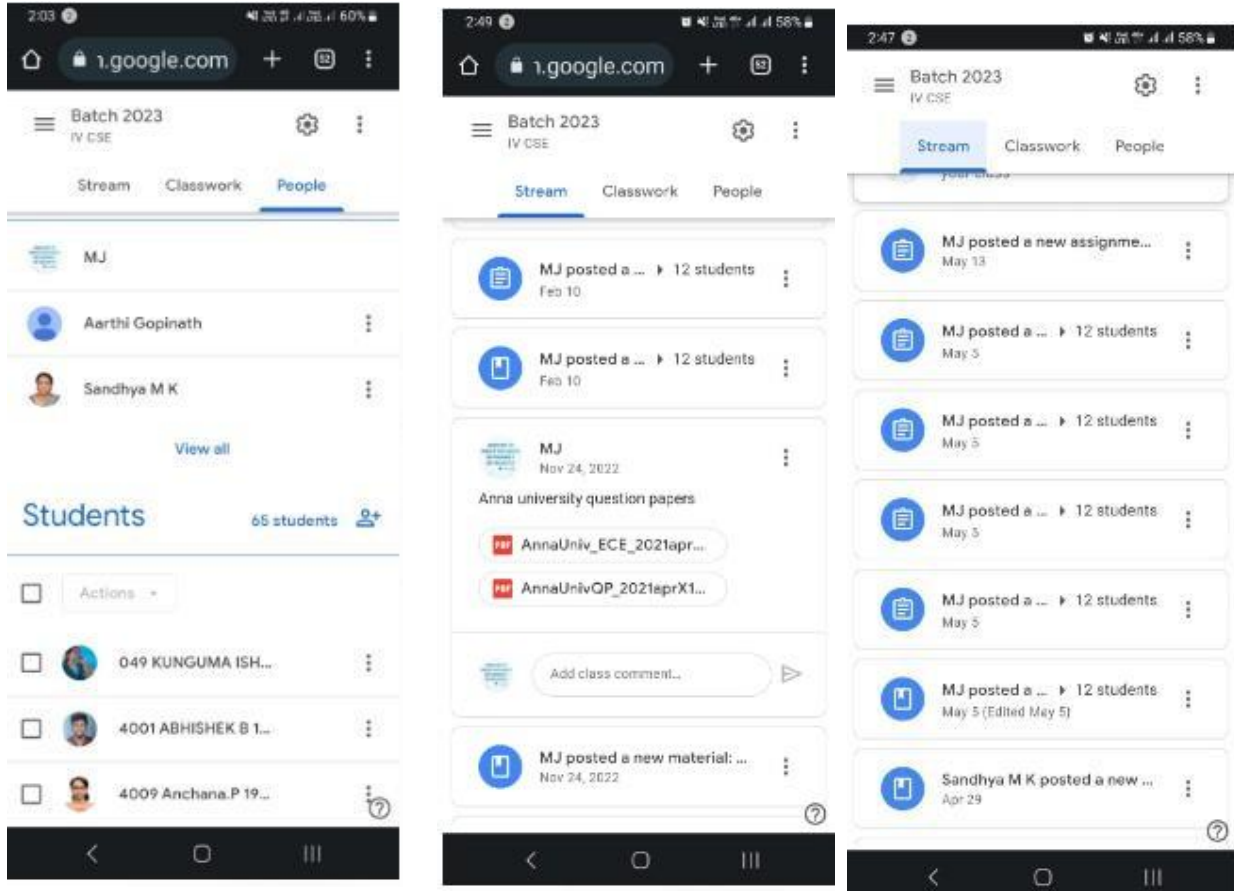


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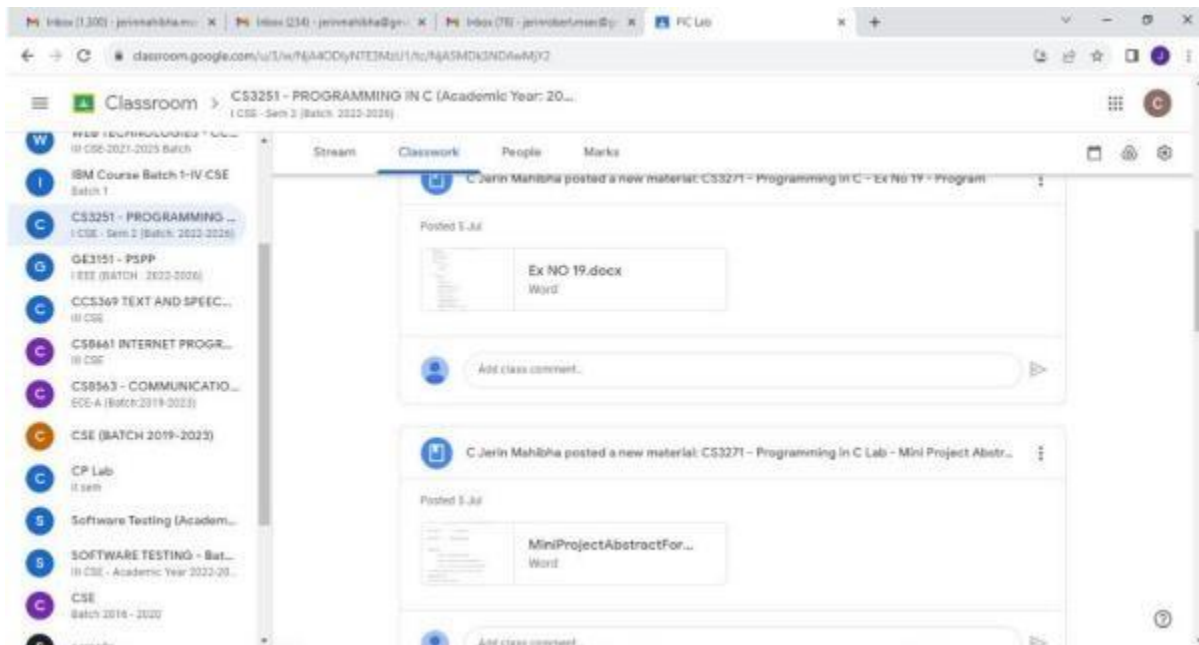
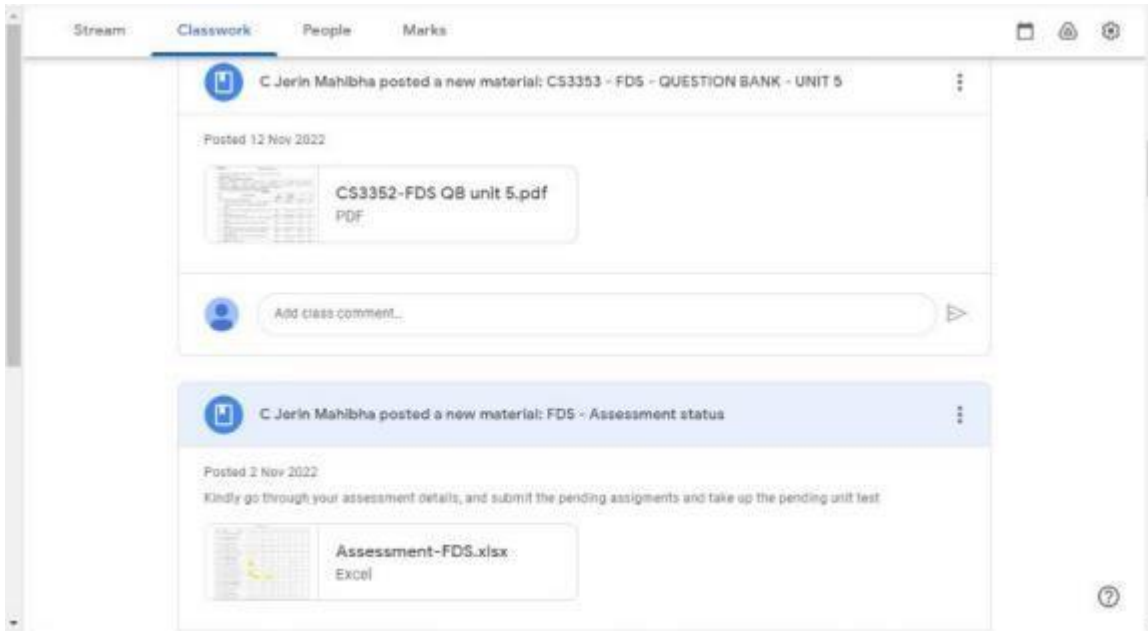


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(Google Class Room – CSE Department)

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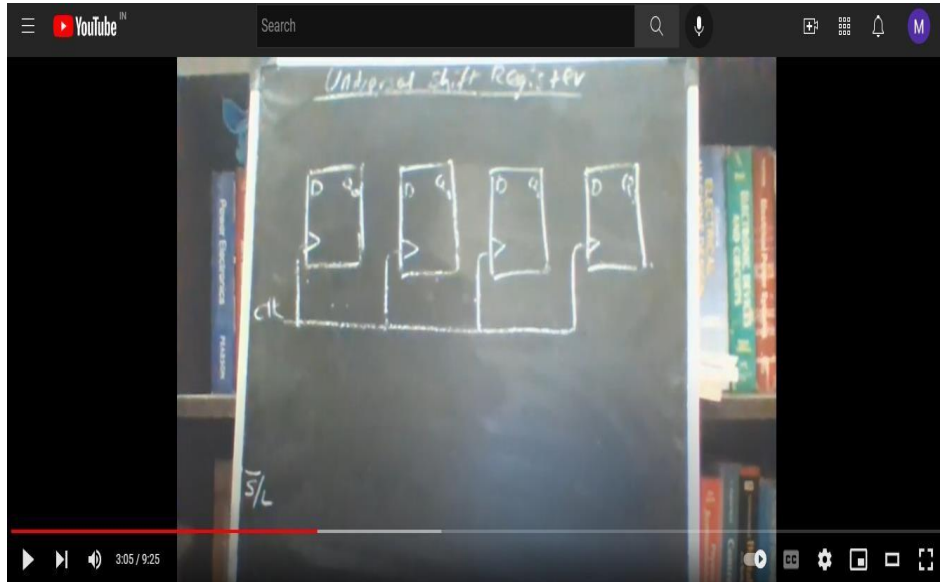
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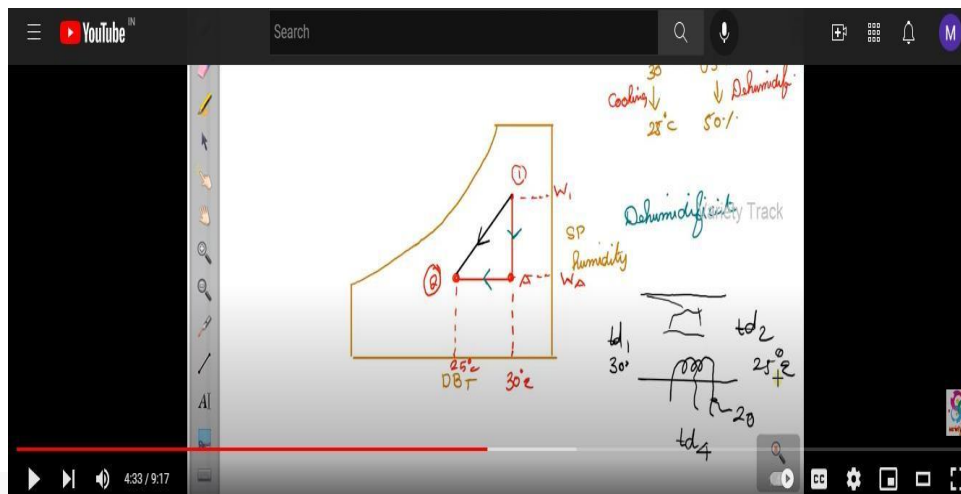
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5. Video Lecturing



Digital Logic Circuits Lecture 21.5 Universal Shift Registers (EEE)...

<https://www.youtube.com/watch?v=dLX8AedP5R0>



Psychrometric[video 19]cooling and Dehumidification|UNIT V GAS MIXTURES AND PSYCHROMETRY (Mechanical)

https://www.youtube.com/watch?v=o9IexE-t_m8

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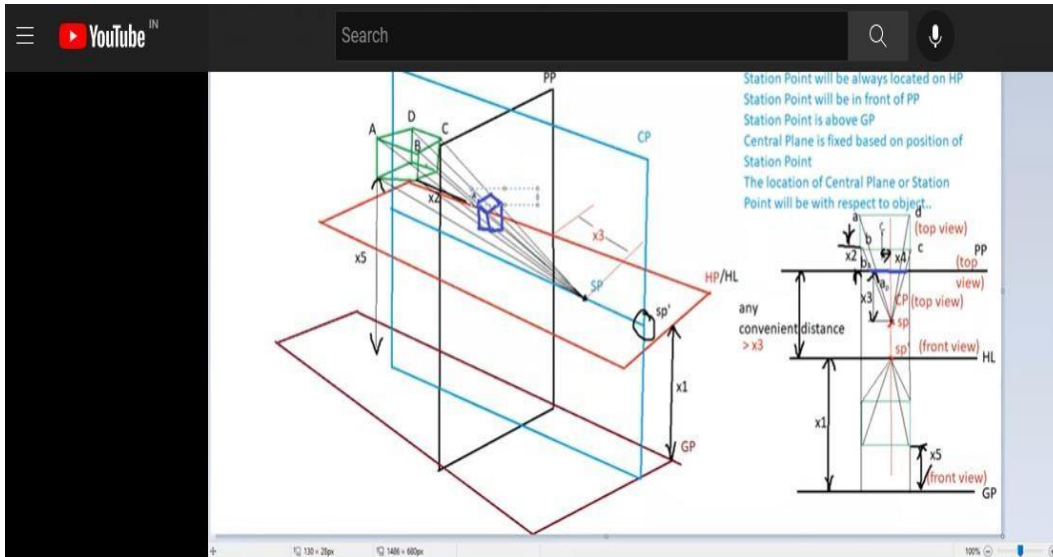


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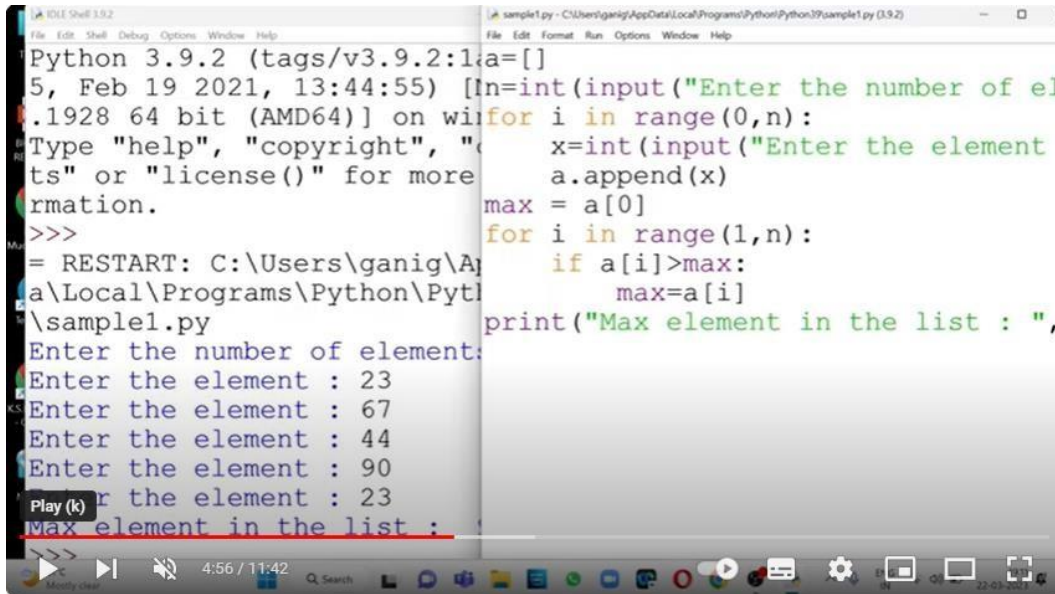
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Perspective Projection, Free Hand Sketch and Revision (Civil)

https://www.youtube.com/watch?v=cP_Fw7UjboA



Python programming (CSE)

<https://www.youtube.com/watch?v=uNol7URKExU&t=56s>

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6. Course PPT and materials

II year A EC3452 Electromagnetic Fields

Stream Classwork People Grades

Add class comment...

Bhargavi Sekaran
Mar 13

I have shared videos on EMF for basic understanding of concepts. Please check

Electromagnetic Fields Le...
YouTube video • 17 minutes

Electromagnetic Fields Le...
YouTube video • 17 minutes.

The origin of Electromagn...
YouTube video • 12 minutes

Add class comment...

II year A EC3452 Electromagnetic Fields

Stream Classwork People Grades

Bhargavi Sekaran
Mar 29 (Edited Apr 9)

I have shared solved problems and important formulas. Please check

problem on gradient of scalar -1(1018448498...

problem on electric field-1...

problem on divergence th...

(Course Material – ECE Department)

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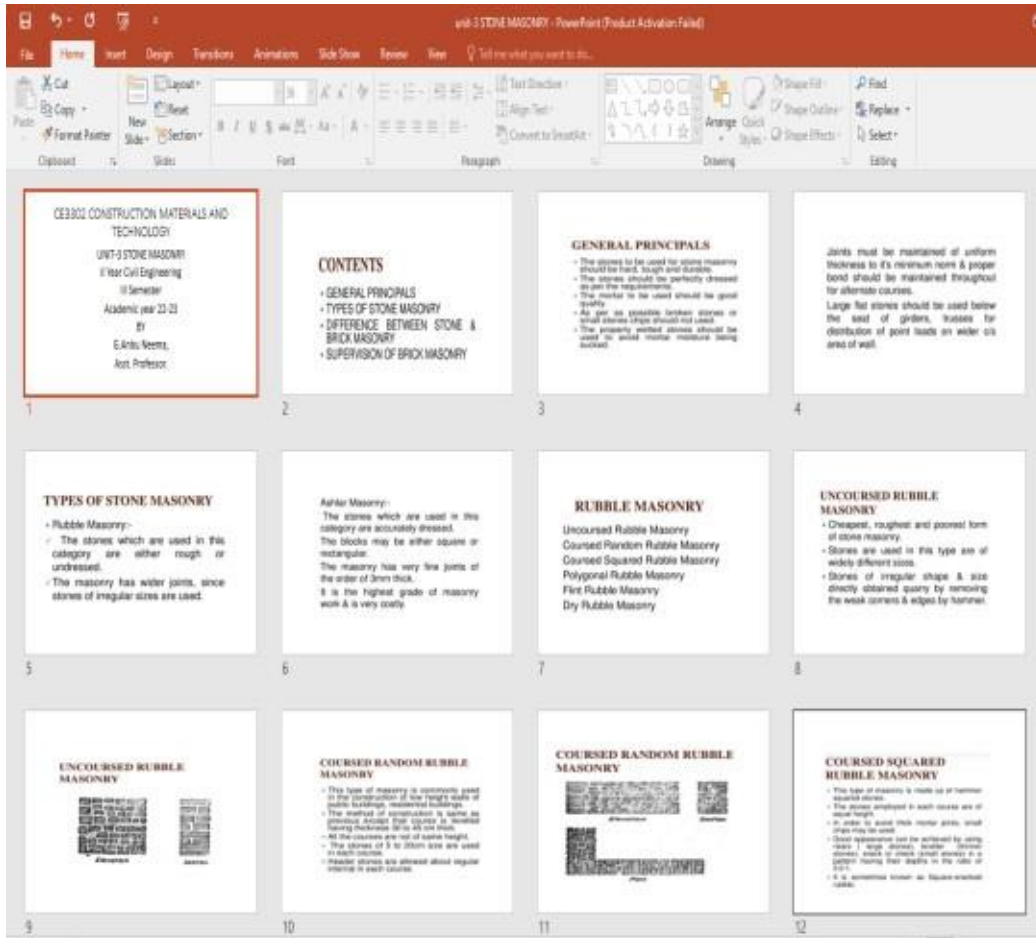


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CONSTRUCTION MATERIALS AND TECHNOLOGY (Course Material PPT – Civil Department)

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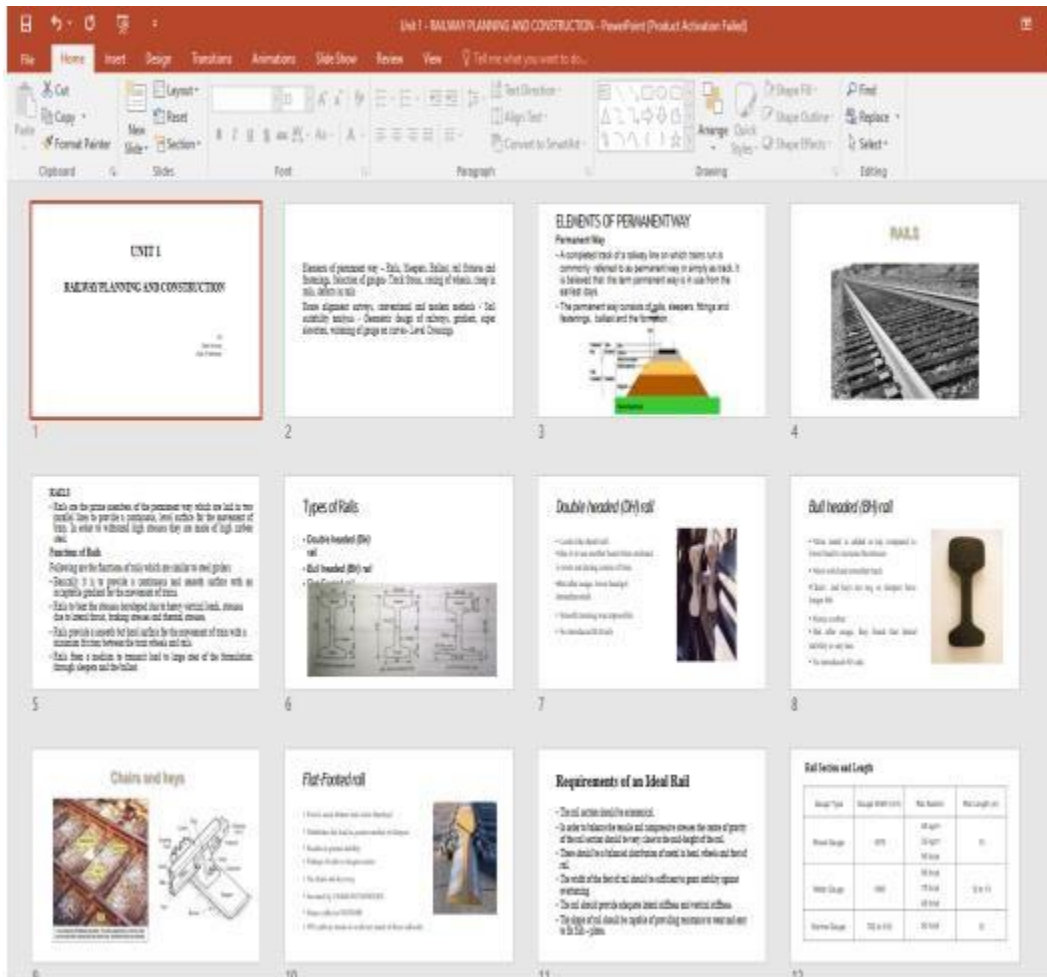


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RAILWAY PLANNING AND CONSTRUCTION

(Course Material PPT – Civil Department)

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7. Google Forms (MCQ)

GE3151-Problem Solving and Python Programming - Course Survey Batch: 2022-2026 Academic Year:2022-23
Course Survey

(3 High 2 Moderate 1 Low)

* Indicates required question

1. Email *

2. Register Number *

3. Name *

4. Department *

5. Year/Semester *

6. Develop algorithmic solutions to simple computational problems *

Mark only one oval.

3
 2
 1

7. Develop and execute simple Python programs *

Mark only one oval.

3
 2
 1

8. Write simple Python programs using conditionals and loops for solving problems * and decompose Python program into functions.

Mark only one oval.

3
 2
 1

9. Represent compound data using Python lists, tuples, dictionaries *

Mark only one oval.

3
 2
 1

(Google Form – CSE Department)

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GE3151-Problem Solving and Python
Programming - Course Survey Batch: 2022-
2026 Academic Year:2022-23

62 responses

[Publish analytics](#)

Register Number

62 responses

311522104050

311522104045

311522104046

311522104027

311522104034

311522104054

311522104005

311522104052

311522104002

311522104008

311522104006

Name

62 responses

Sooryapriya S

Seysanth. V

Shalini.R

Mohammed Abrar

PRANAV

E.SRIMATHI

ARTHYVARSHINI.E

Sri Ganesh S

Abinaya.S

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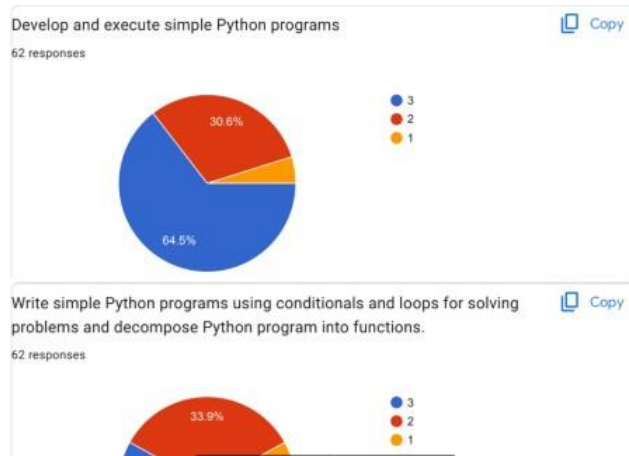


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Google form responses (CSE Department)

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8. Online Platform test

Edit Test ✕

Test Details Sections Add Questions Preview Test Sharing

Prep course_Sentence completion_Level 3

Test Summary

- No. of Sections: 01
- No. of Questions: 30
- Total Duration: 45 min

Section Summary

- No. of Questions: 30
- Duration: 45 min

Additional Instructions:
None

Q1. Complete the following sentence with the right option.

Considering the ____ era in which the story was written, its tone and theme are remarkably ____

enlightened... disenchanted

undistinguished... commonplace

scholarly... undramatic

permissive... puritanical

Q2. Complete the following sentences with the right option

Companies that try to improve employees' performance by ____ rewards encourage negative kinds of behavior instead of ____ a genuine interest in doing the work well.

Giving, seeking

Bestowing, discouraging

Conferring, discrediting

Withholding, fostering

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Result & Analysis Result Generate PDF

Student: Aishwarya G Test: 2023_KAAR_Technologies_Test_1 Course: NeoPAT_MESC 2024_KAAR Technologies
Email: aishwaryatrix@gmail.com

Attempt 1

IP Address: 2401:4900:1f2c:7ffb:b42b:12c3:e8aa:af2f Campus: Meenakshi Sundararajan Engineering College
Tab switches: 0 Batch: 2024
OS used: Windows Department: Computer Science and Engineering
Browser used: Chrome Degree & specialization: B.E CSE
Submission Type: Auto Submit due to time ended Test Duration: 01:00:00
Test Start Time: 09/04/2023 | 09:56 PM Test Submit Time: 09/04/2023 | 10:57 PM

Overall score	Quants	Verbal
<ul style="list-style-type: none">Rank : NATopper score : 86.00 / 120Average score : 51.04 / 120Least score : 0.00 / 120	<ul style="list-style-type: none">Rank : NATopper score : 40.00 / 40Average score : 18.84 / 40Least score : 0.00 / 40	<ul style="list-style-type: none">Rank : NATopper score : 20.00 / 20Average score : 9.38 / 20Least score : 0.00 / 20

(Placement test - Department of Computer Science and Engineering)

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9. E-book and E-journal facilities available in library

SL.NO	NAME OF THE PACKAGES	URL
1.	IEEE-All Society Periodicals(ASPP ONLINE) 206 Journals	http://ieeexplore.ieee.org/Xplore/
2.	Springer Nature (Engineering, Computer Science, Mathematics and Statistics) 497 Titles	https://link.springer.com/
3.	ASME(American Society of Mechanical Engineering) 33 Journals	http://asmedigitalcollection.asme.org
4.	ASCE(American Society Of Civil Engineering) 35 Journals	http://ascelibrary.org/
5.	ASTM International(American Society for Testing Materials) 9 Journals	https://myastm.astm.org
6.	J-Gate (J-Gate Engineering and Technology) 20963 Full text Journals.	https://jgateplus.com/
7.	Z Library(The World Largest eBook Library)	https://z-lib.org/

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10. Online Courses

Welcome to Introduction to Networks v7.02 (ITN)

Scroll down to find all of the content, assessments, and resources for this course.

In order to avoid potential compatibility issues, you should use the latest version of Packet Tracer.

Share Idea

Course Introduction

Before you begin, review the following resources to prepare for the course.

- First Time in This Course
- Student Resources
- System Test Exam

Restricted Available until end of 5 July 2023

(Naan Muthalvan – CSE, ECE & IT Department)

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Modules 1 - 3: Basic Network Connectivity and Communications

- Modules 1 - 3: Course Content
Restricted Available until end of 5 July 2023
- Modules 1 - 3: Basic Network Connectivity and Communications Exam
Restricted Available until end of 5 July 2023

Modules 4 - 7: Ethernet Concepts

- Modules 4 - 7: Course Content
Restricted Available until end of 5 July 2023
- Modules 4 - 7: Ethernet Concepts Exam
Restricted Available until end of 5 July 2023

Modules 8 - 10: Communicating Between Networks

- Modules 8 - 10: Course Content
Restricted Available until end of 5 July 2023
- Modules 8 - 10: Communicating Between Networks Exam
Restricted Available until end of 5 July 2023

Modules 11 - 13: IP Addressing

- Modules 11 - 13: Course Content
Restricted Available until end of 5 July 2023
- Modules 11 - 13: IP Addressing Exam
Restricted Available until end of 5 July 2023

(Naan Muthalvan – CSE, ECE & IT Department)

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COMPUTER GRAPHICS AND MULTIMEDIA:

BLENDED LEARNING COLOUR MODELS:

<https://www.teachtci.com/blog/types-of-blended-learning-models/>

The screenshot shows the TCI website interface. At the top, there is a navigation bar with 'TCI.' logo, a 'SELECT STATE' dropdown, and a search icon. Below the navigation bar, there are several menu items: 'Why TCI?', 'Science', 'Social Studies', 'Free Lessons', 'Professional Development', and 'Shop'. There are also 'Student Sign In' and 'Teacher Sign In' buttons. The main content area discusses blended learning models, mentioning 'The Flipped Classroom Model' and 'The Enriched Virtual Model'. A list of activities for the flipped classroom model is provided: Class discussions, Group work, Delivering insights related to higher-order thinking, and Troubleshooting specific misunderstandings. A 'Contact Sales' button is visible on the right side.

(IT Department)

<https://www.igi-global.com/chapter/blended-learning-models/13601>

The screenshot shows the IGI Global website page for 'Blended Learning Models'. The page title is 'Chapter Preview'. The main content area is titled 'Background' and includes a 'Definition' section. The definition states: 'The use of the term blended learning is relatively new in both higher education and corporate settings. In higher education, the term "hybrid course" was often used prior to the emergence of the term "blended learning," and now the two terms are used interchangeably. Because the term is relatively new, there are still ongoing debates regarding the precise meaning and relevance of the term (Driscoll, 2002; Graham, Allen, & Liu, 2003; Laxter, 2004; Maise, 2005; Oliver & Trigwell, 2006; Osguthorpe & Graham, 2003). However, the most commonly held position is that blended learning environments combine face-to-face instruction with technology-mediated instruction (Graham, 2005; Graham et al., 2003). This definition highlights the ongoing convergence of two archetypal learning environments: the traditional face-to-face (F2F) environment with the distributed (or technology-mediated) environment (see Figure 1).'

Figure 1. Blended learning combined traditional face-to-face and computer mediated instruction
DOI: 10.4018/978-1-60366-026-4.ch083.ch01

The 'Purposes' section states: 'There are many reasons why a blended approach to learning might be selected. The three most common reasons for blending listed in the literature are: To increase learning effectiveness, To increase convenience and access, and To increase cost effectiveness. Often educators adopt a blended approach in order to explore tradeoffs between more than one of these goals simultaneously (e.g., increasing the convenience to students afforded by an asynchronous distributed environment without completely eliminating the human touch from the F2F environment). While blended learning is appealing to many because it enables one to take advantage of the "best of both worlds" (Morgan, 2002; Young, 2002), blended learning environments can also mix the least effective elements of both F2F and technology-mediated worlds if not designed well.'

On the right side, there is a sidebar with 'Free Content' (Sample PDF), 'More Information' (Access on Platform, Favorite, Cite Chapter), and 'Available In' (e-Book Collection, Advances in Information Quality and Management, Library and Information Science e-Book Collection, e-Book Collection Select, Education Knowledge Solutions e-Book Collection, E-Access).

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363, Arcot Road, Kodambakkam, Chennai – 24
Approved by AICTE & Affiliated to Anna University

Email Id: principal@msec.edu.in

Website : www.msec.edu.in

Available from : 2018-11-26 Lec :19

Modules / Lectures

- Intro Video
- Week-1
- Week-2
- Week-3
- Week-4
- Week-5
 - Design of HBase
 - Spark Streaming and Sliding Window Analytics (Part-I)
 - Spark Streaming and Sliding Window Analytics (Part-II)
 - Sliding Window Analytics
 - Introduction to Kafka
- Week-6

Watch on YouTube Video Assignments Download Videos Transcripts Books

noc19-cs33 Lec 19 Spark Streaming an...
g Streaming Data Processing

Fraud detection in bank transactions

Anomalies in sensor data

Cat videos in tweets

MORE VIDEOS

Big Data Computing Spark Streaming
1:58 / 39:54

Courses Computer Science and Engineering NOC:Big Data Computing (Video) Syllabus Co-ordinated by : IIT Patna

Available from : 2018-11-26 Lec :20

Modules / Lectures

- Intro Video
- Week-1
- Week-2
- Week-3
- Week-4
- Week-5
 - Design of HBase
 - Spark Streaming and Sliding Window Analytics (Part-I)
 - Spark Streaming and Sliding Window Analytics (Part-II)

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Performance

Can process **60M records/sec (6 GB/sec)** on **100 nodes** at sub-second latency

Grep

# Nodes in Cluster	1 sec	2 sec
10	~1.5	~3.0
100	~6.0	~12.0

WordCount

# Nodes in Cluster	1 sec	2 sec
10	~1.0	~2.0
100	~4.0	~8.0

Big Data Computing Spark Streaming

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Courses Computer Science and Engineering NOC:Big Data Computing (Video) Syllabus Co-ordinated by : IIT Patna

Available from : 2018-11-26 Lec :32

Modules / Lectures
Intro Video
Week-1
Week-2
Week-3
Week-4
Week-5
Week-6
Week-7
Week-8
Parameter Servers
PageRank Algorithm in Big Data

Watch on YouTube Video Assignments Download Videos Transcripts Books

(BIG DATA ANALYTICS COURSE – IT DEPARTMENT)

Corporate Social Responsibility
Cisco Networking Academy

Certificate of Course Completion

CCNAv7: Introduction to Networks

The student has successfully achieved student level credential for completing CCNAv7: Introduction to Networks course administered by the undersigned instructor. The student was able to proficiently:

- Configure switches and end devices to provide access to local and remote network resources.
- Explain how physical and data link layer protocols support the operation of Ethernet in a switched network.
- Configure routers to enable end-to-end connectivity between remote devices.
- Create IPv4 and IPv6 addressing schemes and verify network connectivity between devices.
- Explain how the upper layers of the OSI model support network applications.
- Configure a small network with security best practices.
- Troubleshoot connectivity in a small network.

ANUJHNA D
Student

Tamil Nadu Skill Development Corporation
Academy Name

India **10 May 2023**
Location Date

Laura Gutierrez
Laura Gutierrez
VP & Course Manager, Cisco Networking Academy

(Network Engineering Course Certificate – CSE Department)

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Elite
NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to
VAISHNAVI K G
for successfully completing the course
Python for Data Science
with a consolidated score of **61** %

Online Assignments	19.83/25	Programming Assignment	16.75/25	Proctored Exam	24.67/50
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Total number of candidates certified in this course: 3991

Prof. Devendra Jalihal
Chairperson,
Centre for Outreach and Digital Education, IITM

Jul-Aug 2022
(4 week course)

Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras

Indian Institute of Technology Madras

swayam

Roll No: NPTEL22CS74513271021 To validate the certificate No. of credits recommended: 1 or 2

(NPTEL Certificate – CSE Student)



Elite
NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to
AISHWARYA G
for successfully completing the course
Data Analytics with Python
with a consolidated score of **75** %

Online Assignments	20.63/25	Proctored Exam	54.26/75
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Total number of candidates certified in this course: 7860

Prof. Sanjay Manhas
Chairman, Continuing Education Centre
IIT Roorkee

Jan-Apr 2023
(12 week course)

Prof. Prii Maheshwari
NPTEL, Coordinator
IIT Roorkee

Indian Institute of Technology Roorkee

swayam

Roll No: NPTEL23CS208563161330 To validate the certificate No. of credits recommended: 3 or 4

(NPTEL Certificate – CSE Student)

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NPTEL Online Certification
(Funded by the MoE, Govt. of India)



This certificate is awarded to
AMRITHA
for successfully completing the course
Python for Data Science
with a consolidated score of **54** %

Online Assignments	21.42/25	Proctored Exam	33/75
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Total number of candidates certified in this course: 4711

Prof. Devendra Jalihal
Chairperson,
Centre for Outreach and Digital Education, IITM

Jan-Feb 2023
(4 week course)

Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras

Indian Institute of Technology Madras

swayam

Roll No: NPTEL23CS21524341734 To validate the certificate  No. of credits recommended: 1 or 2

(NPTEL Certificate – CSE Student)

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