

VAAGESWARI COLLEGE OF ENGINEERING

Beside LMD Police Station, Ramakrishna Colony,
KARIMNAGAR, Telangana state – 505481
Affiliated to Jawaharlal Nehru Technological University Hyderabad,
Approved by AICTE New Delhi

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

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Principal

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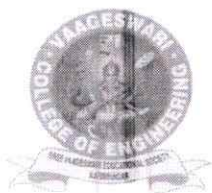
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1. **Chalk Board (Lecture Method):** To convey basics, Critical Information, History, Back ground, theories and equations.



Mr. M. Kranthi Kumar, Assistant Professor of ECE Department Explaining “: Relationship between Transport and Network Layers” for ECE III Year I Semester by using Chalk Board. (AY 2021-2022)

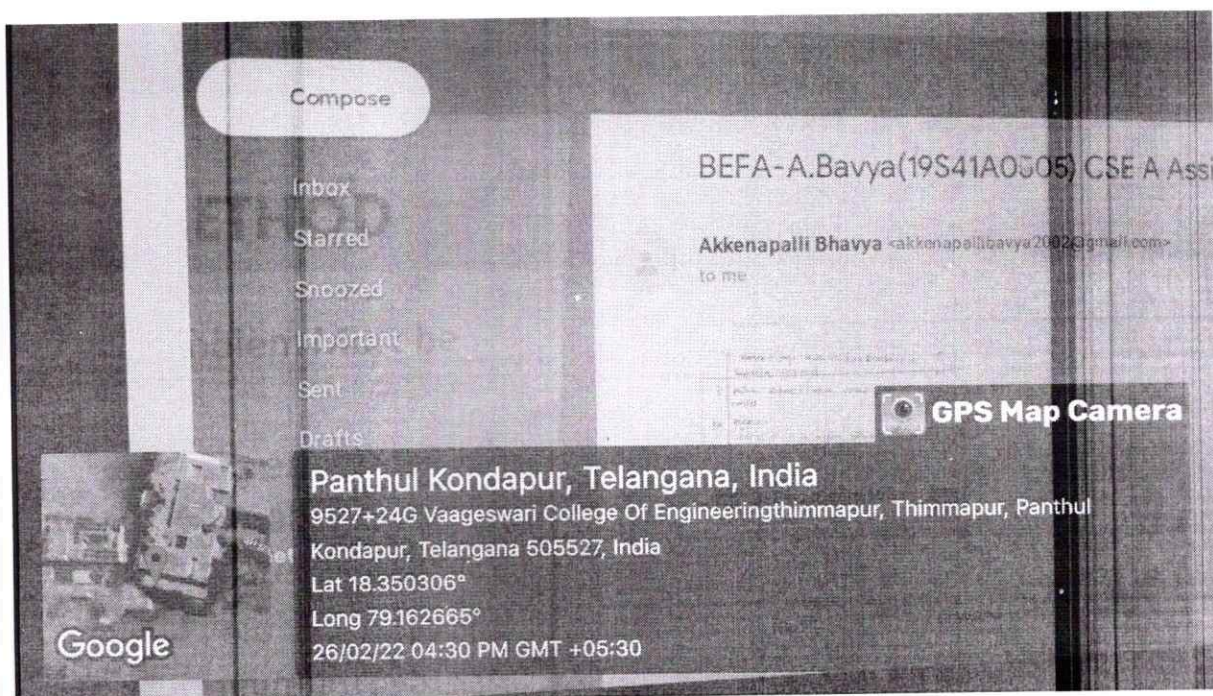
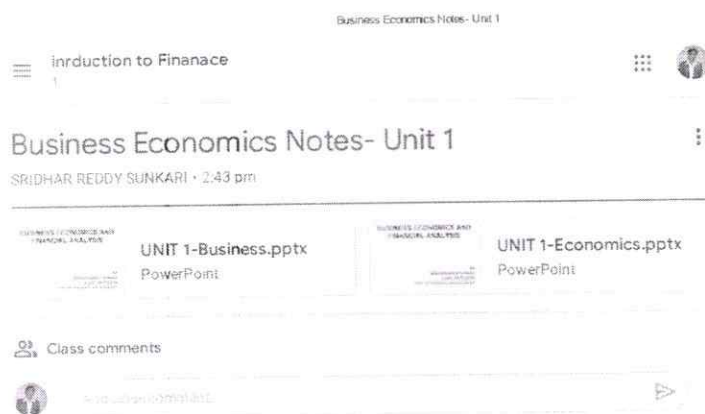

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2. **Google Class room** is used to manage post course related information- learning material, quizzes, lab submission and evaluation, assignments, etc.



Mr. Sridhar Reddy Sunkari, Assistant Professor, used Google class room to course related information- learning material, quizzes, assignments etc...

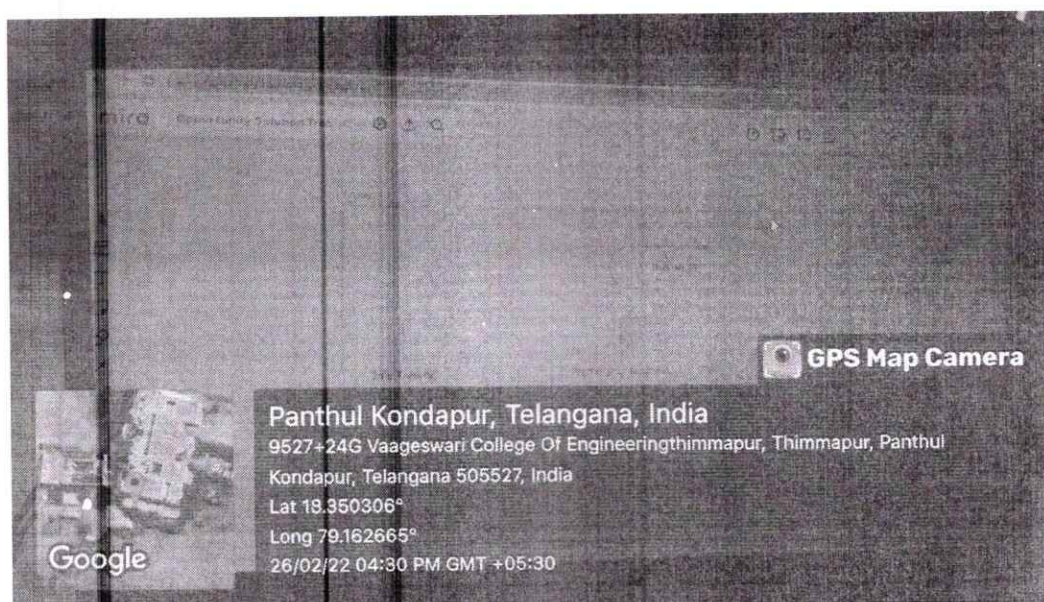
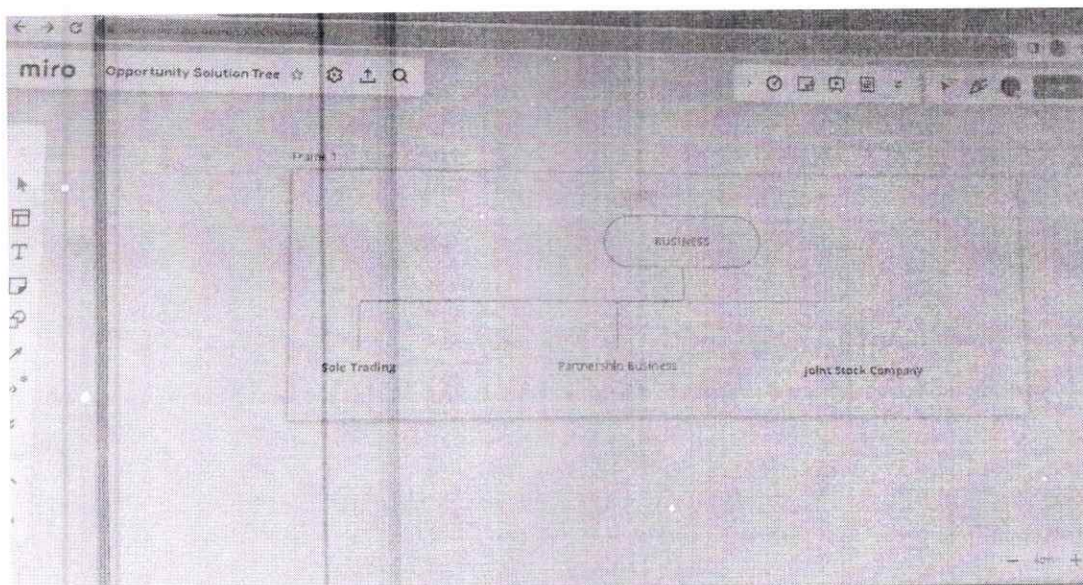

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3. Online drawing tools like **concept map**, **mind map** are used to perform student centric activities.



Mrs.B. Archana, Assistant Professor, used online drawing tool Mind Map to explain “Types of Business” for Civil III year II semester. (AY 2021-2022)



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4.Power Point Presentation:

K.Sridhar REDdy, Associate Professor, Department of CSE conducted on Python Basics Power Point Presentation Btech for Final Year Students. (AY 2022-23)



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5. You tube based Teaching:

ICT based teaching (using Youtube):

Name of the activity: ICT based teaching

Name of the Department: Department of Business Management

Name of the Topic: Solving Final Account Problem

Web link: <https://www.youtube.com/watch?v=et8tnsuTaVQ>

From the following Trial Balance of Sunkari at December 31, 2007, Prepare Trading, Profit & Loss a/c, Balance Sheet

	Dr	Cr
Purchase of Materials	30000	
Productive wages	12000	
Sales		60000
Salaries	4000	
Travelling Expenses	1000	
Carriage Inward	500	
Insurance	200	
Commission	650	
Rent and Rates	1000	
Cash in Hand	350	
Cash at Bank	5000	
Repairs	600	
Sundry Expenses	110	
Stocks		8100
Building	4000	
Machinery	3000	

Adjustment

1. prepaid Rent 100/-
2. Depreciate the following:
Building at 10% per annum
Machinery at 20%
Furniture at 15%.
3. Provide for Doubtfuls Rs: 100
4. Outstanding Insurance Rs: 20

Closing Stock 12000

SRIDHAR REDDY SUNKARI's Personal Meeting Room
40 views • Streamed live on 20-Feb-2021
4 DISLIKE SHARE CLIP SAVE
SRIDHAR REDDY SUNKARI
29 subscribers
SHOW MORE
ANALYTICS EDIT VIDEO

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Profit & Loss Statement

Particulars	Debit	Credit
Purchase of Materials	32000	
Productive wages	13000	
Salaries	4000	
Travelling Expenses	1000	
Carriage forward	550	
Insurance	300	
Commission	650	
Rent and Refus	1000	
Cash in Hand	350	
Cash at Bank	5550	
Repairs	800	
Sundry Expenses	110	
Mortgage		6100

Adjustment

1. Prepaid Rent 100/-
2. Depreciate the following:
 - Building at 10% per annum
 - Motor Vehicle at 20%
 - Furniture at 15%
3. Provide for Bad debts @ 10%
4. Outstanding Insurance Rs.50

Closing Stock 12000

Google Map

Panthul Kondapur, Telangana, India
9527+24G Vaageswari College Of Engineeringthimmapur, Thimmapur, Panthul
Kondapur, Telangana 505527, India
Lat 18.350306°
Long 79.162665°
26/04/22 04:34 PM GMT +05:30

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Trading A/c | Profit & Loss A/c | Balance Sheet

Trading A/c		Profit & Loss A/c		Balance Sheet	
Particular	Rs	Particular	Rs	Particular	Rs
To Opening Stock		By Sales		By Sales	
To Purchase		By Returns		By Returns	
By Returns					
		By Closing Stock			

Dr. Profit and Loss Account for the year ended 31st March, 2018

Particular	Rs	Particular	Rs
To Bad debts			
(+) Further bad debts			
(+) New R.D.D.			
(-) Old R.D.D.			

Balance Sheet as on 31st March, 2018

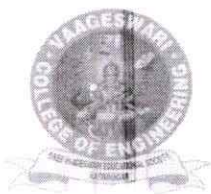
Liabilities	Rs	Assets	Rs

GPS Map Camera

Karimnagar, Telangana, India
C4QR+79X, Ashoknagar, Karimnagar, Telangana 505001, India
Lat 18.437741°
Long 79.141256°
09/08/23 05:01 PM GMT +05:30

Google

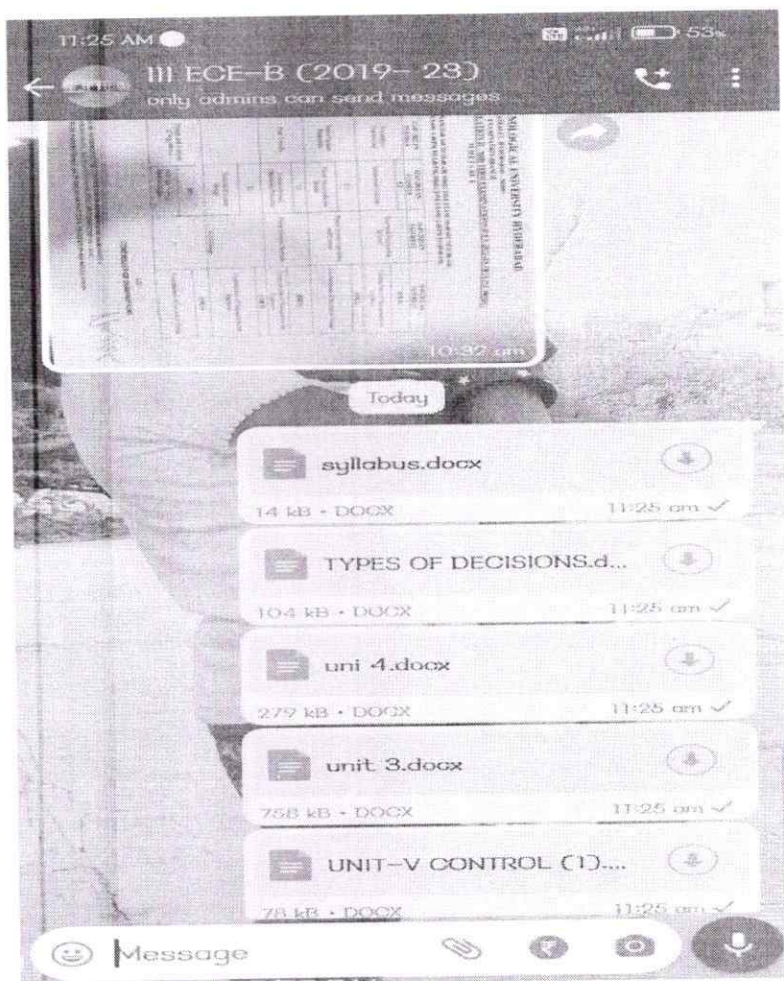

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6. Social Media In Education: Faculty members use the social media platforms like whatsapp and Telegram to connect with the students to sharing Information



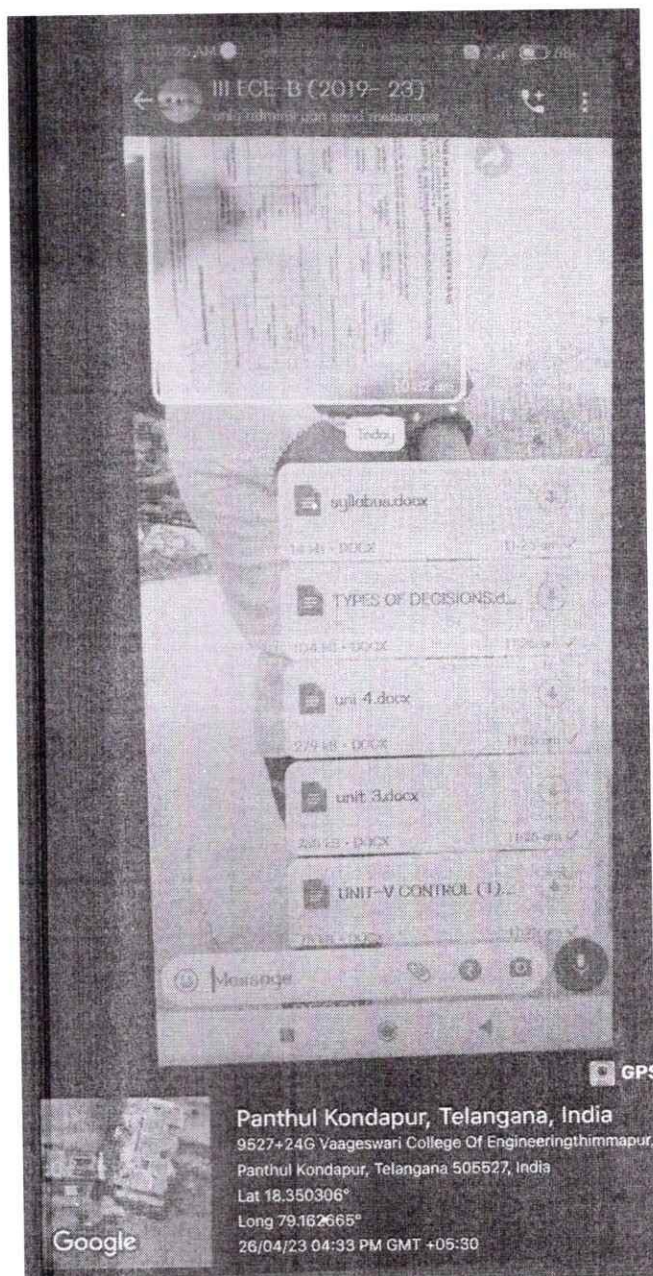

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Faculty of ECE shared unit wise notes using Whatsapp Social Media. (AY 2021-22)

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7. 5. To teach mathematical Subjects in online mode, teachers have used online tools like- white board in Microsoft teams, Jam board in Google meet, etc.

Solution a_0

$$u v = u_1 v_1 - u_1' v_2 + u_1'' v_3 - u_1''' v_4 + \dots$$
$$a_0 = \frac{1}{2\pi} \int_0^{2\pi} f(x) dx$$
$$= \frac{1}{2\pi} \int_0^{2\pi} x^2 dx$$
$$= \frac{1}{2\pi} \left[\frac{x^3}{3} \right]_0^{2\pi}$$
$$= \frac{1}{2\pi} \left[\frac{(2\pi)^3}{3} - 0 \right]$$
$$= \frac{4\pi^2}{3}$$
$$a_1 = \frac{1}{\pi} \int_0^{2\pi} f(x) \cos nx dx$$
$$= \frac{1}{\pi} \int_0^{2\pi} x^2 \cos nx dx$$
$$= \frac{1}{\pi} \left[x^2 \frac{\sin nx}{n} - 2x \left(-\frac{\cos nx}{n^2} \right) + 2 \left(\frac{\sin nx}{n^3} \right) \right]_0^{2\pi}$$
$$= \frac{1}{\pi} \left[\frac{2x}{n^2} \cos nx \right]_0^{2\pi}$$
$$= \frac{1}{n^2 \pi} \left[4\pi \cos 2n\pi - 0 \right]$$
$$= \frac{4}{n^2} = \frac{4}{n^2}$$
$$a_n = \frac{4}{n^2}$$
$$a_0 = \frac{4\pi^2}{3}$$

12. To teach mathematical subjects in online mode, teachers have used various online tools like- whiteboard in Microsoft teams, Jamboard in Google meet, etc.

Solution a_0

$$u v = u_1 v_1 - u_1' v_2 + u_1'' v_3 - u_1''' v_4 + \dots$$
$$a_0 = \frac{1}{2\pi} \int_0^{2\pi} f(x) dx$$
$$= \frac{1}{2\pi} \int_0^{2\pi} x^2 dx$$
$$= \frac{1}{2\pi} \left[\frac{x^3}{3} \right]_0^{2\pi}$$
$$= \frac{1}{2\pi} \left[\frac{(2\pi)^3}{3} - 0 \right]$$
$$= \frac{4\pi^2}{3}$$
$$a_1 = \frac{1}{\pi} \int_0^{2\pi} f(x) \cos nx dx$$
$$= \frac{1}{\pi} \int_0^{2\pi} x^2 \cos nx dx$$
$$= \frac{1}{\pi} \left[x^2 \frac{\sin nx}{n} - 2x \left(-\frac{\cos nx}{n^2} \right) + 2 \left(\frac{\sin nx}{n^3} \right) \right]_0^{2\pi}$$
$$= \frac{1}{\pi} \left[\frac{2x}{n^2} \cos nx \right]_0^{2\pi}$$
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$$= \frac{4}{n^2} = \frac{4}{n^2}$$
$$a_n = \frac{4}{n^2}$$
$$a_0 = \frac{4\pi^2}{3}$$

GPS Map Camera

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9527+24G Vaageswari College Of Engineeringthimmapur, Thimmapur, Panthul
Kondapur, Telangana 505527, India
Lat 18.350306°
Long 79.162665°
26/04/22 04:35 PM GMT +05:30

Google

Mr. B. Ramana Reddy, Assistant Professor, Department of Mathematics, Used Microsoft team White board to explain "Integration" for CSE I year II Semester. (AY 2021-2022)



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8. ICT enabled Class rooms and Labs:



ICT Enabled English Communication Lab


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ICT Enabled Lab for Master of Computer Application



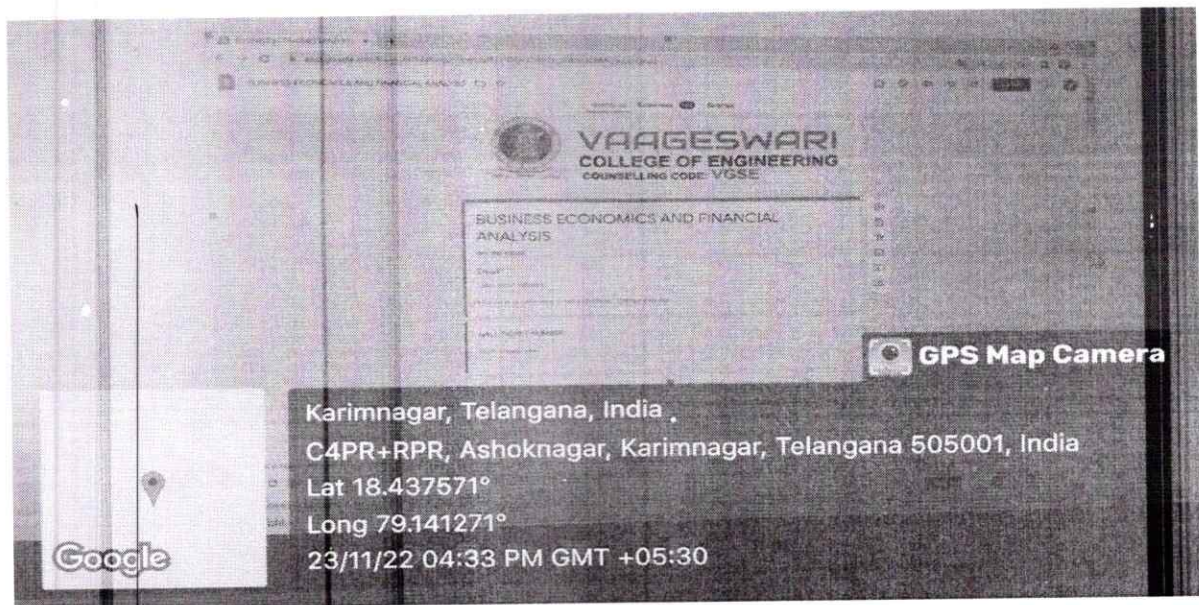
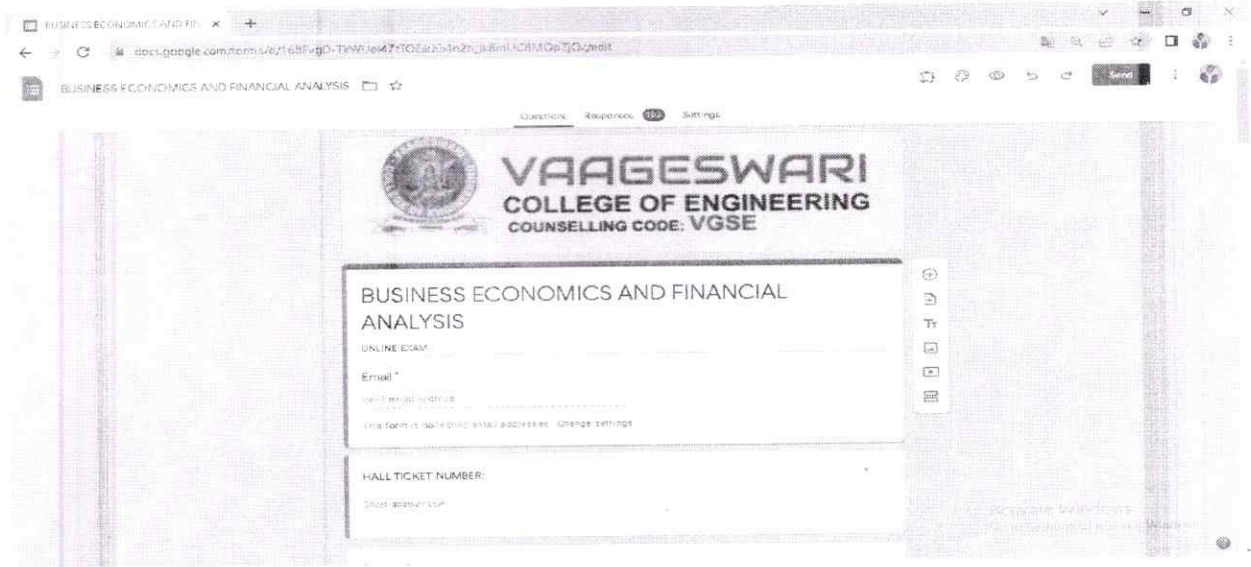
ICT enabled LAB for Computer Science Engineering



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9. Online quizzes are conducted to evaluation of the student's performance

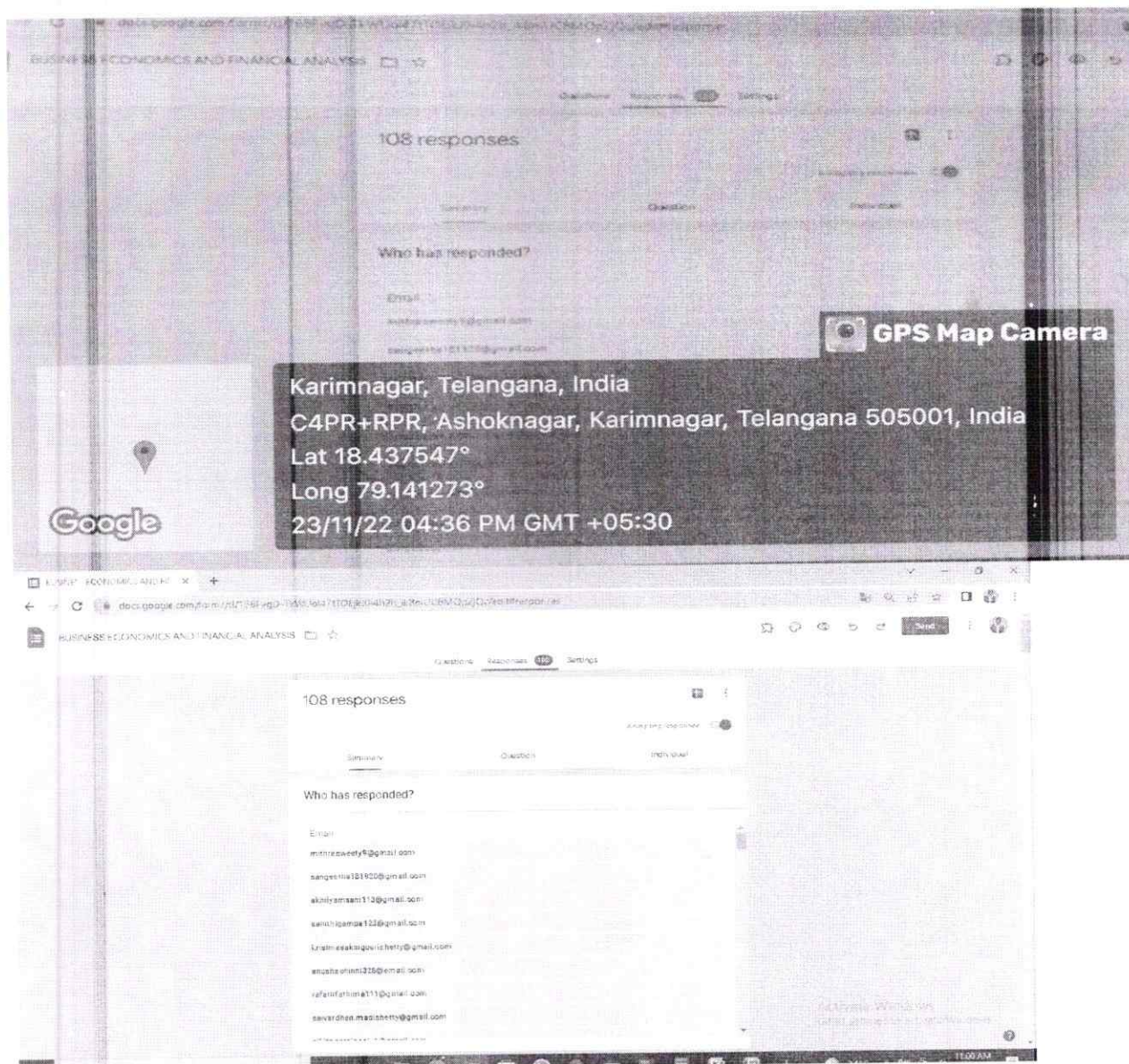


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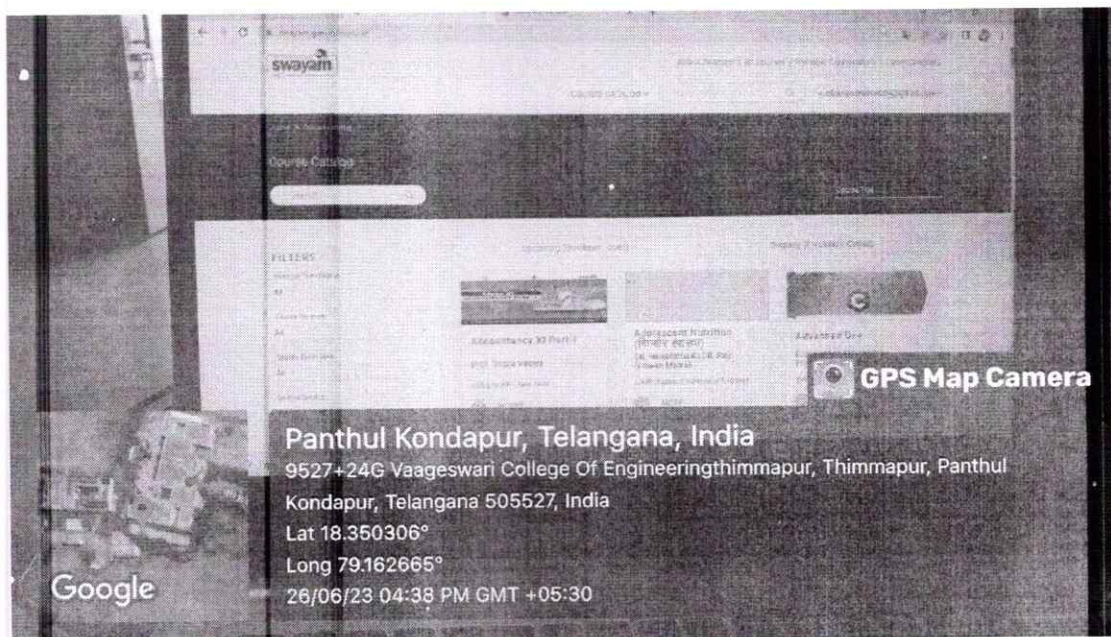
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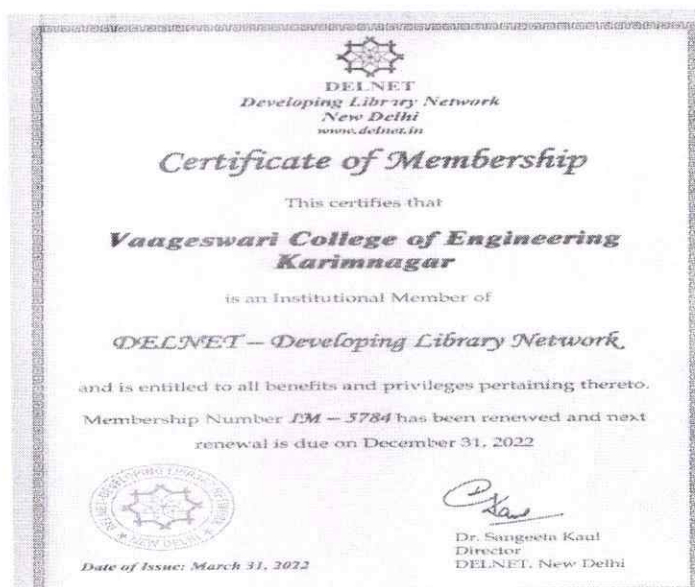
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10. DELNET, NPTEL, SWAYAM and Moodle is used as one of ICT Tool: Its Provide an E- Learning Platform that has different environments for learner with dynamic, Interactive, non linear access to wide range of information (Text and Videos) as well as to self detected learning in online communication.



Mr. S. Sridhar, Assistant Professor, Registered in Swayam Portal for E-learning.



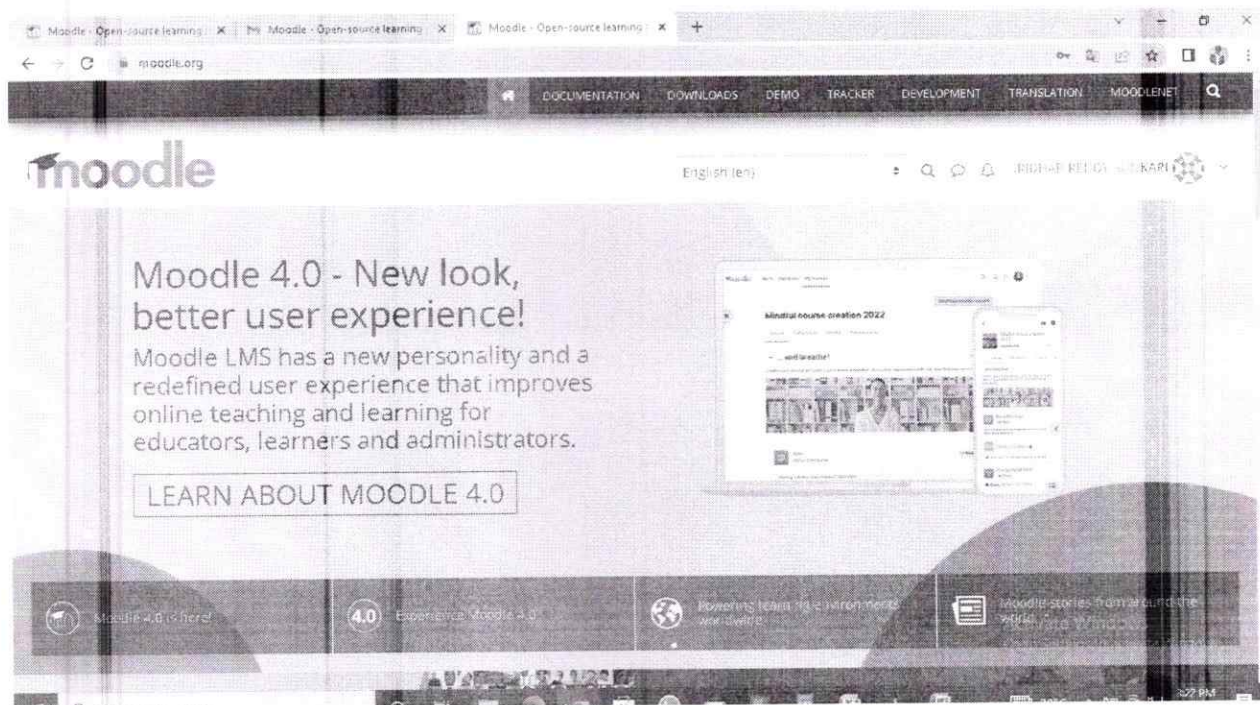
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Certificate of Membership- Developing Library Network



Mr. K.Sridhar Reddy, Assistant Professor, Department of CSE used Moodle Application to teach CSE IV Year I semester.


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