



VAAGESWARI COLLEGE OF ENGINEERING

Beside LMD Police Station, Ramakrishna Colony,

KARIMNAGAR, Telangana state – 505481

Affiliated to Jawaharlal Nehru Technological University Hyderabad,

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

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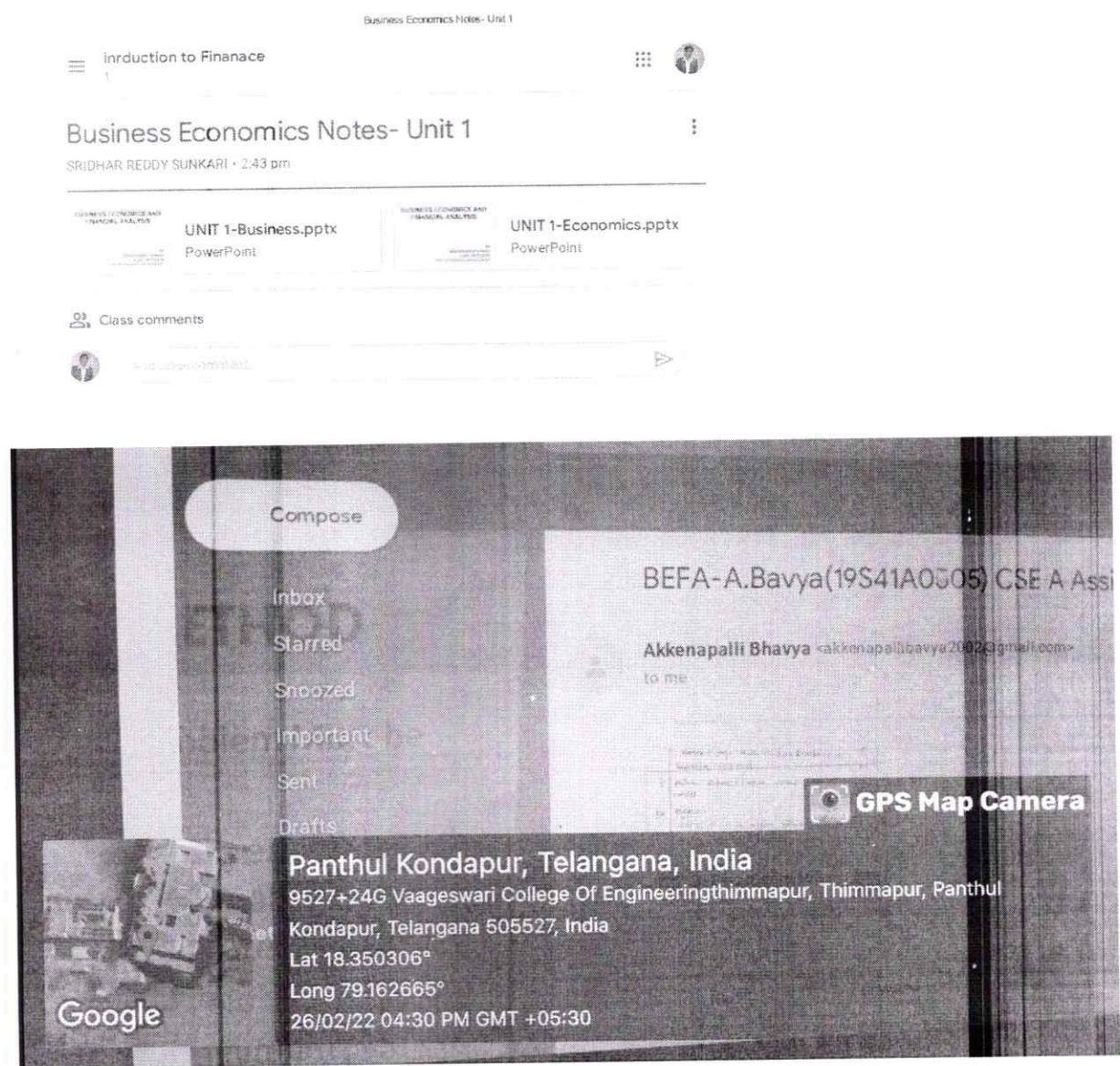
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2. **Google Class room** is used to manage post course related information- learning material, quizzes, lab submission and evaluation, assignments, etc.



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



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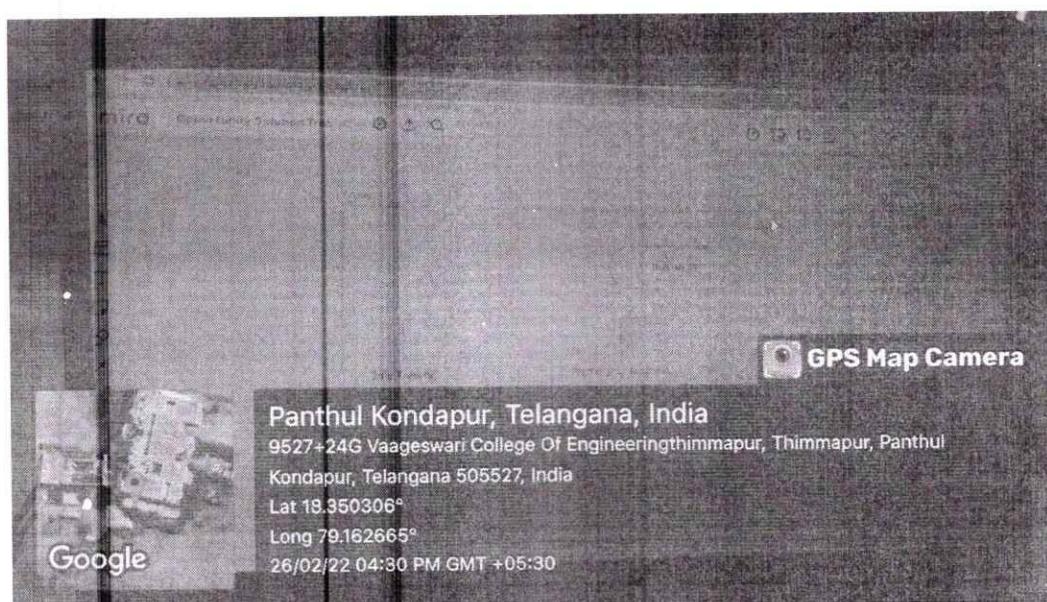
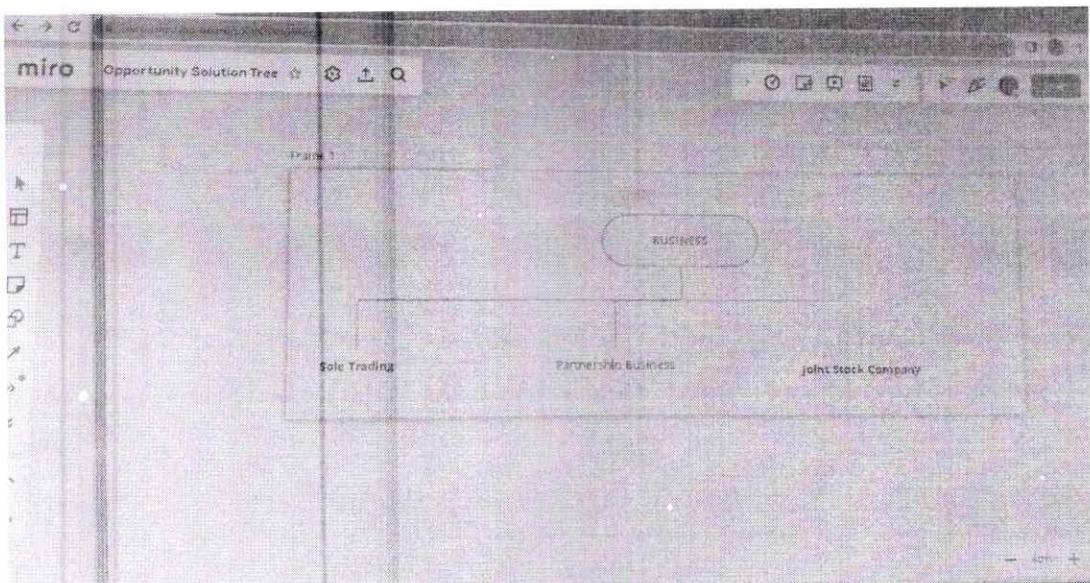
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3. Online drawing tools like **concept map**, **mind map** are used to perform student centric activities.



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>

The screenshot shows a YouTube video player with the following details:

- Title:** SRIDHAR REDDY SUNKARI
- URL:** youtube.com/watch?v=et8tnsuTaVQ
- Thumbnail:** YouTube
- Description:** Shows a trial balance and adjustment table for solving final account problems.
- Content:** The video displays a trial balance table and an adjustment table. The trial balance table shows various accounts with their debit and credit balances. The adjustment table lists four entries: 1. Prepaid Rent 100%, 2. Depreciate the following: Building at 10% per annum, Machinery at 20%, Furniture at 15%, 3. Provide for Bad debts rs: 100, 4. Outstanding Insurance Re:50. The closing stock is listed as 22000.
- Statistics:** 40 views, Streamed live on 20-Feb-2021.
- Actions:** Like (4), Dislike, Share, Clip, Save, etc.
- Profile:** SRIDHAR REDDY SUNKARI (29 subscribers).
- Analytics:** Analytics and Edit Video buttons.

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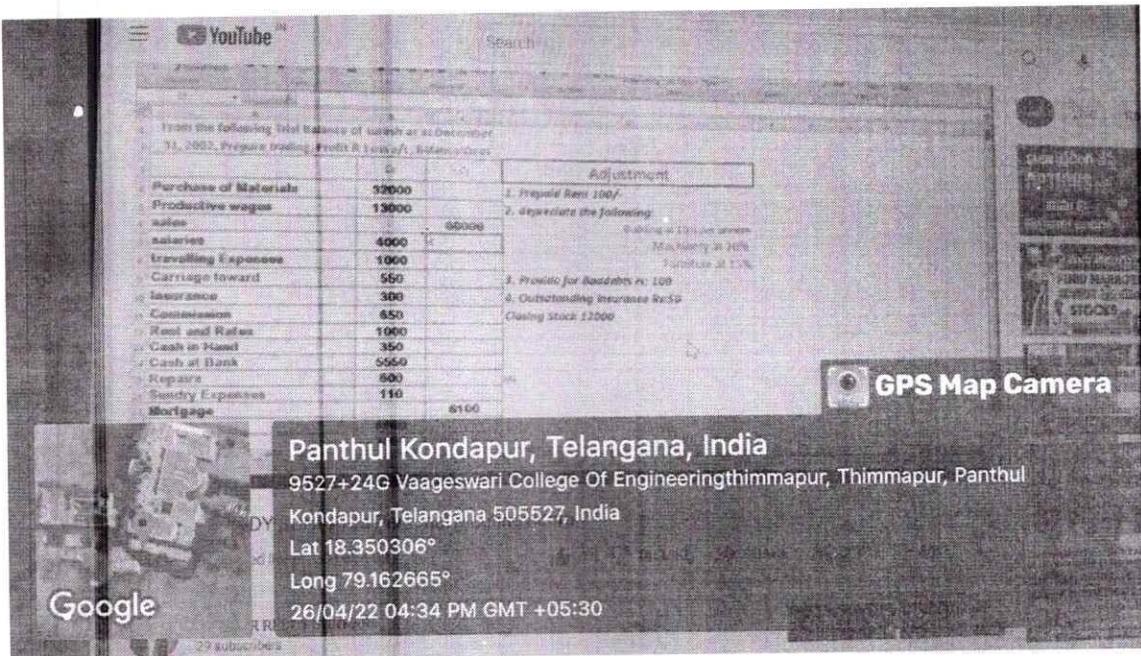
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Trading A/c | Profit & Loss A/c | Balance Sheet

To Opening Stock	To Purchases	By Sales Returns	By Closing Stock

Dr. Profit and Loss Account for the year ended 31st March, 20n Cr.

Particular	Rs.	Rs.	Particular	Rs.	Rs.
To Bad debts					
(i) Further bad debts					
(ii) New RDD					
(iii) Old RDD					

Balance Sheet as on 31st March, 20

Liabilities	Rs.	Rs.	Assets	Rs.	Rs.

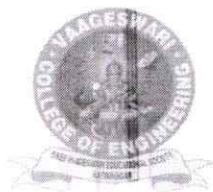
Debtors

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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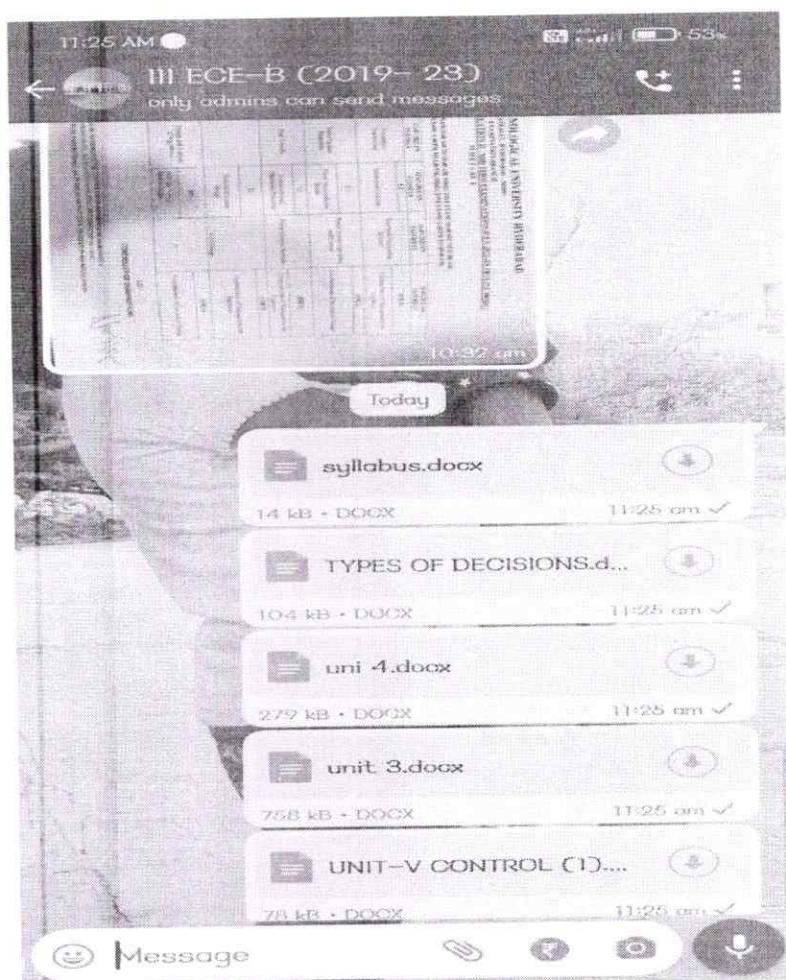
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6. Social Media In Education: Faculty members use the social media platforms like WhatsApp and Telegram to connect with the students to share information



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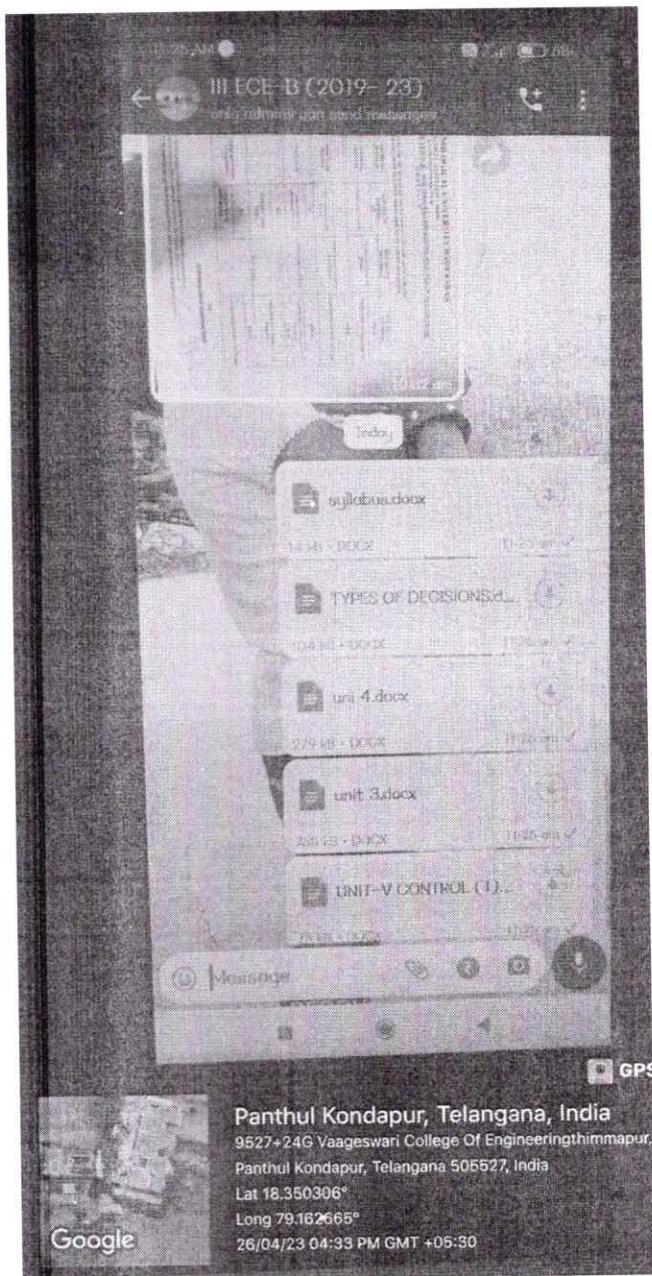
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Faculty of ECE shared unit wise notes using Whatsapp Social Media. (AY 2021-22)

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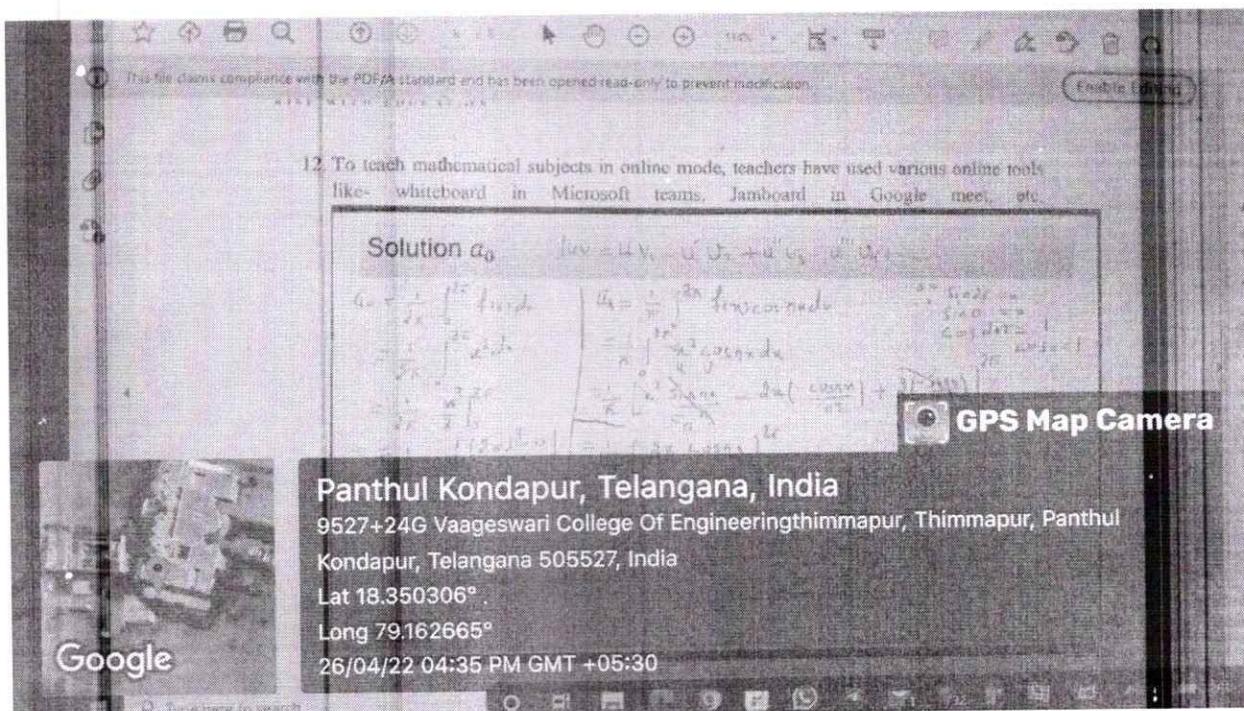
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7. 5. To teach mathematical Subjects in online mode, teachers have used online tools like- white board in Microsoft teams, Jam board in Google meet, etc.

Solution a_0

$$uv = u v_1 + u' v_2 + u'' v_3 + u''' v_4 + \dots$$

$$\begin{aligned} a_0 &= \frac{1}{2\pi} \int_0^{2\pi} f(x) dx \\ &= \frac{1}{2\pi} \int_0^{2\pi} x^2 dx \\ &= \frac{1}{2\pi} \left[\frac{x^3}{3} \right]_0^{2\pi} \\ &= \frac{1}{2\pi} \left[\frac{(2\pi)^3}{3} - 0 \right] \\ &= \frac{1}{2\pi} \frac{8\pi^3}{3} \\ &= \frac{4\pi^2}{3} \end{aligned}$$
$$\begin{aligned} a_0 &= \frac{1}{\pi} \int_0^{2\pi} f(x) \cos nx dx \\ &= \frac{1}{\pi} \int_0^{2\pi} x^2 \cos nx dx \\ &= \frac{1}{\pi} \left[2 \frac{\sin nx}{n} - 2n \left(-\frac{\cos nx}{n^2} \right) + 2 \left(\frac{\sin nx}{n^2} \right) \right]_0^{2\pi} \\ &= \frac{1}{\pi} \left[\frac{2x \cos nx}{n^2} \right]_0^{2\pi} \\ &= \frac{1}{\pi} \left[\frac{4\pi \cos 2\pi}{n^2} - 0 \right] \\ &= \frac{4\pi}{n^2} \end{aligned}$$
$$\begin{aligned} a_0 &= \frac{4}{n^2} \\ a_0 &= 4\pi^2/3 \end{aligned}$$



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)

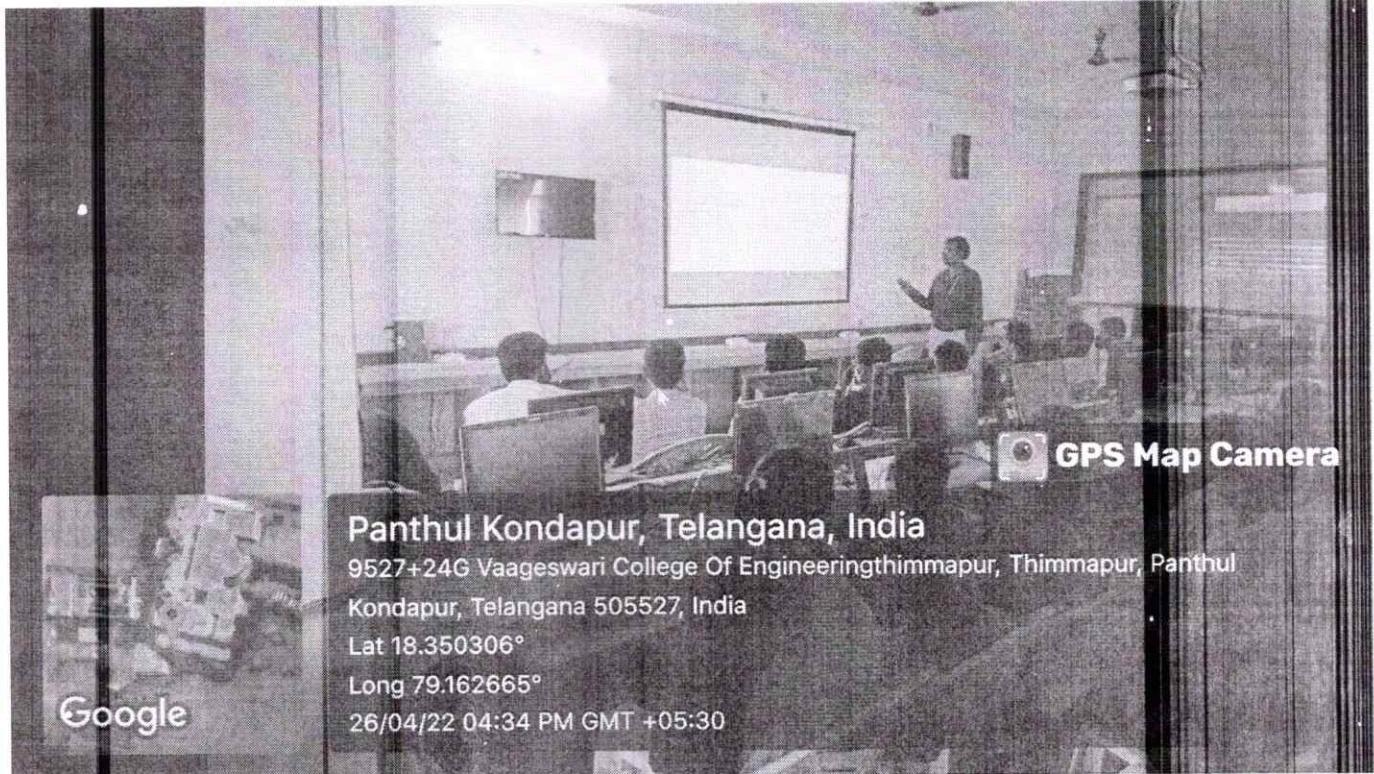


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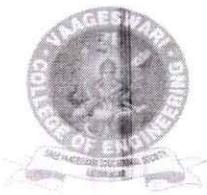
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8. ICT enabled Class rooms and Labs:



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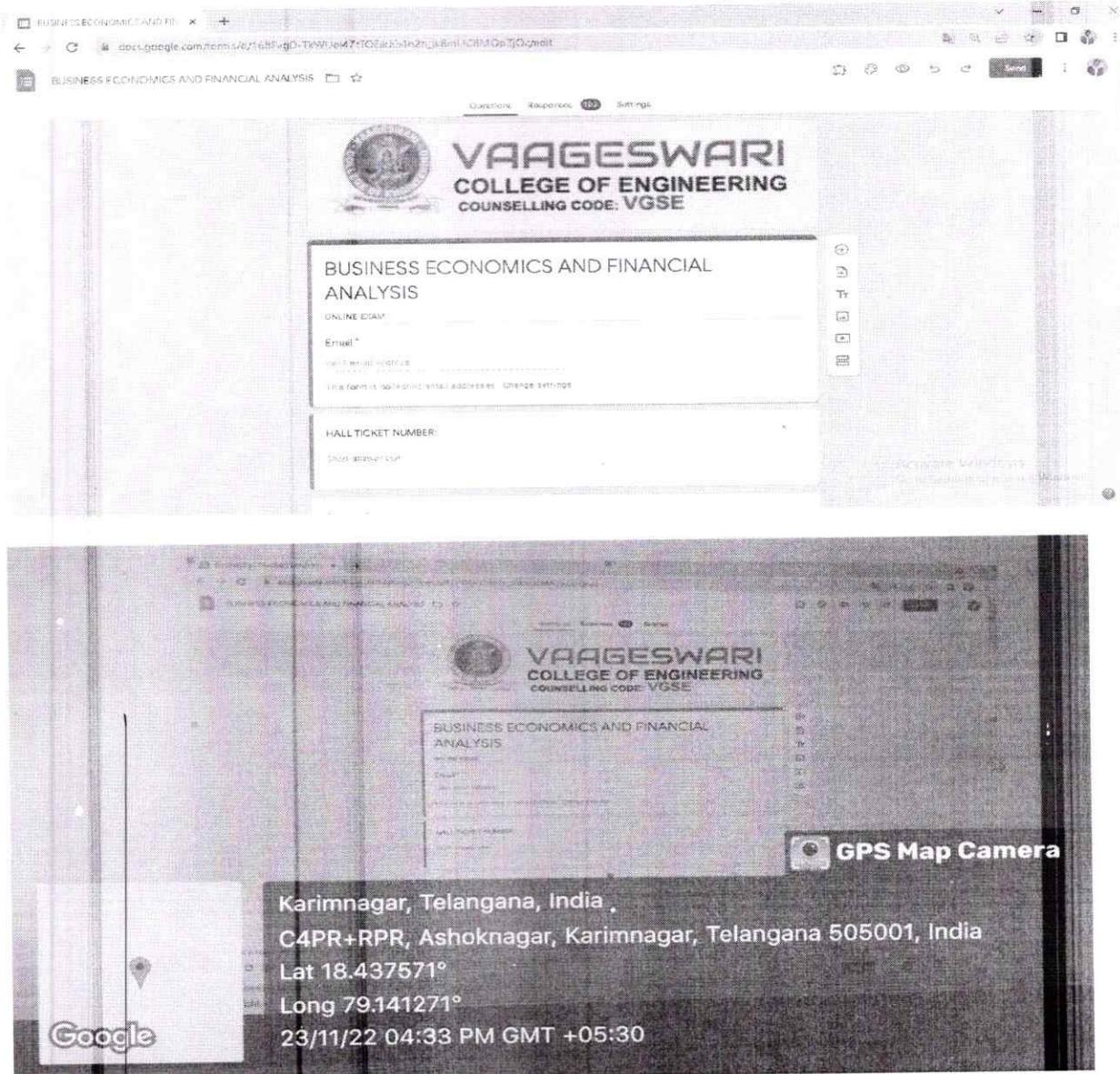
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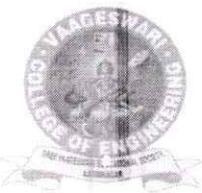
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9. Online quizzes are conducted to evaluation of the student's performance



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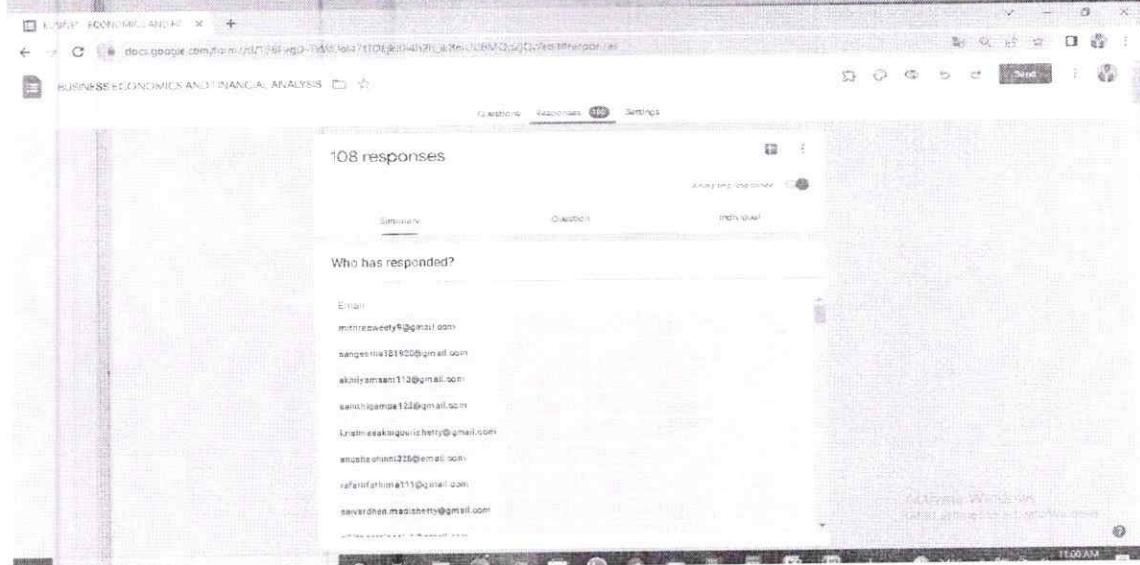
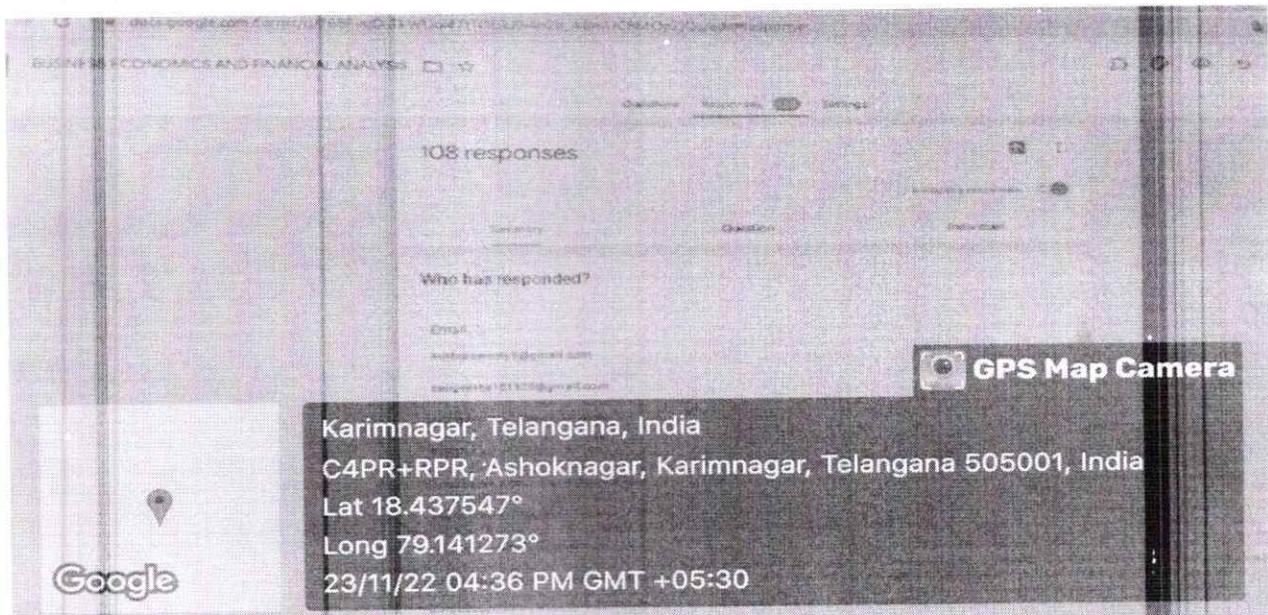
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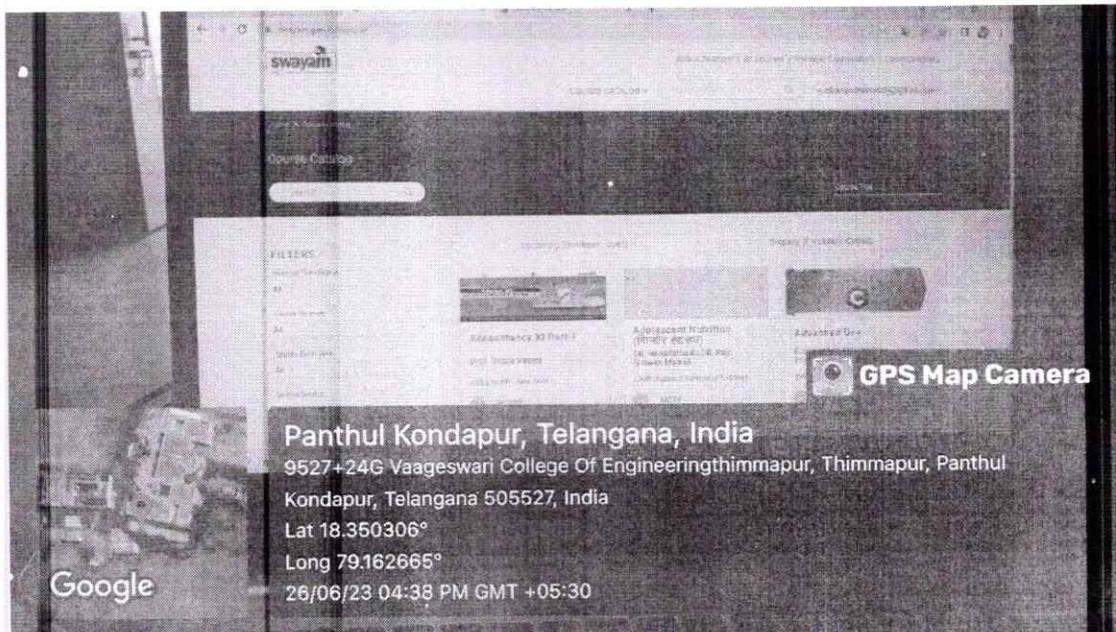
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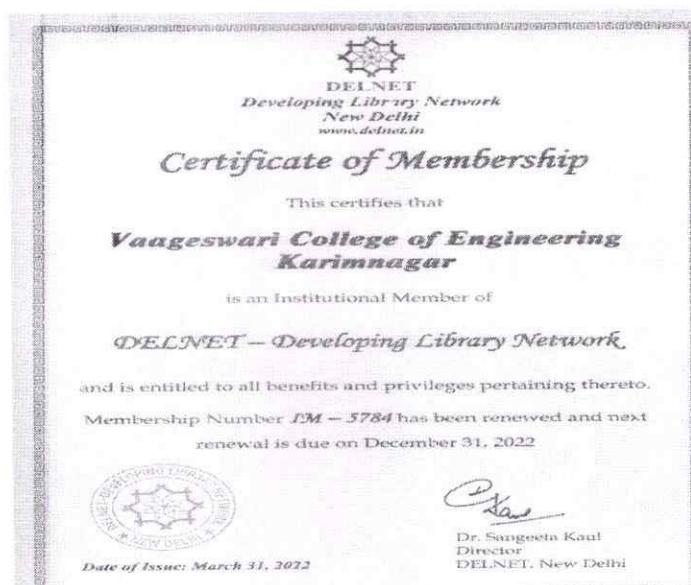
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10. DELNET, NPTEL , SWAYAM and Moodle is used as one of ICT Tool: Its Provide an E- Learning Platform that has different environments for learner with dynamic, Interactive, non linear access to wide range of information (Text and Videos) as well as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



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





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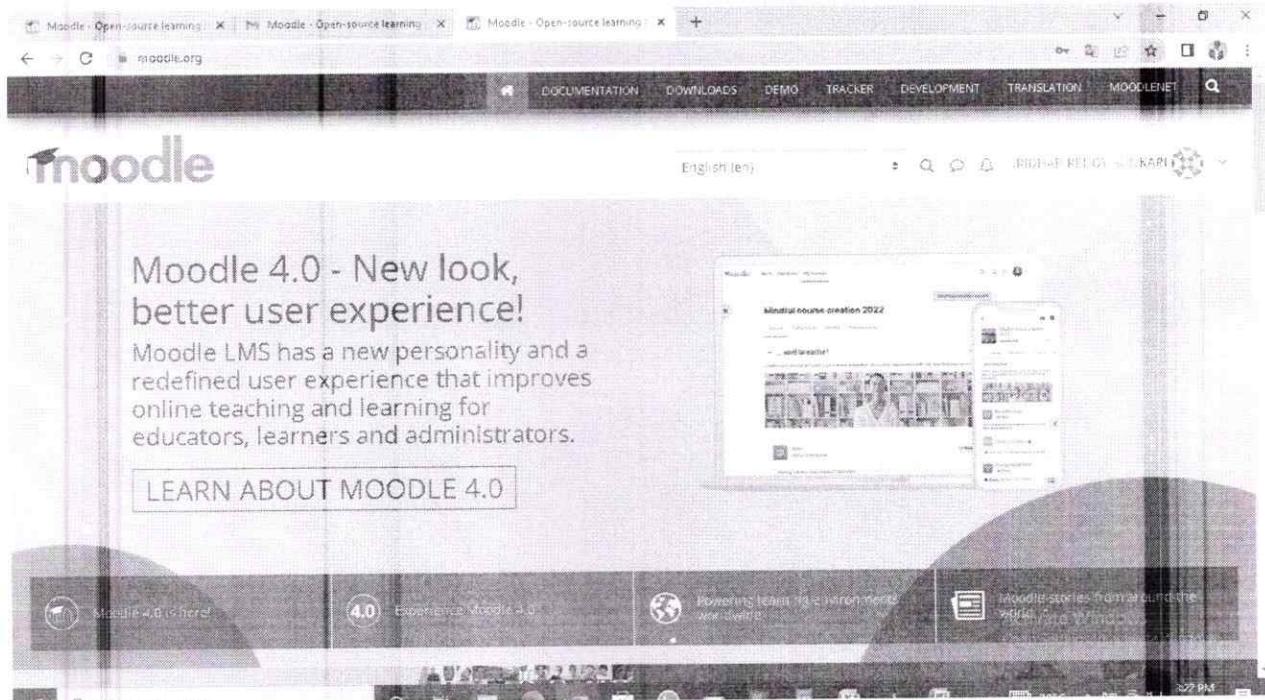
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Certificate of Membership- Developing Library Network



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


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