



# VAAGESWARI COLLEGE OF ENGINEERING

Beside LMD Police Station, Ramakrishna Colony,  
KARIMNAGAR, Telangana state – 505481

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

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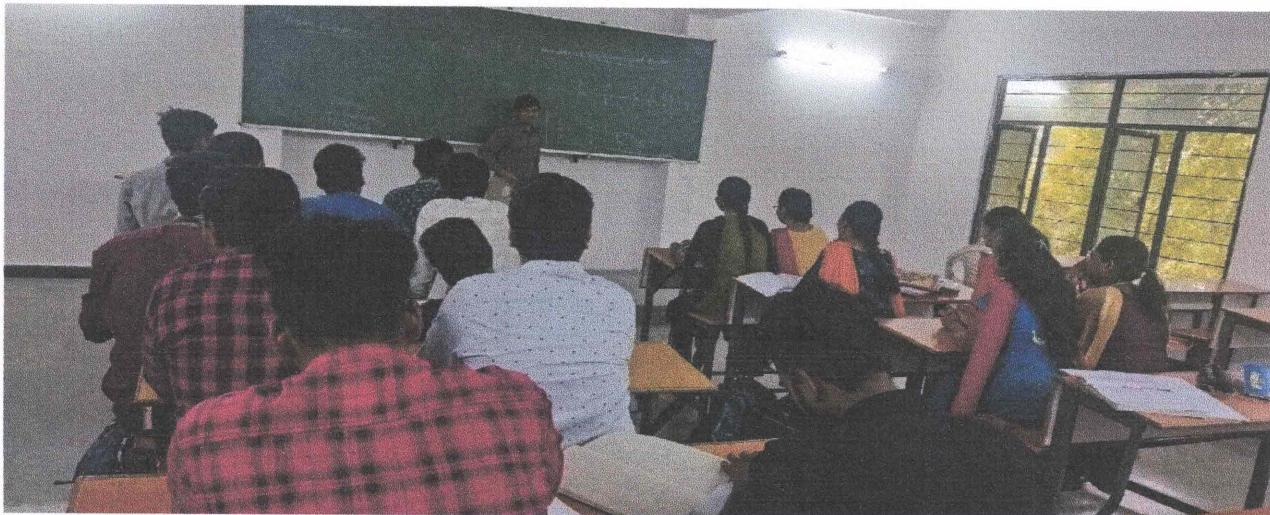


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1. **Chalk Board (Lecture Method):** To convey basics, Critical Information, History, Back ground, theories and equations.



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 2017-2018)

  
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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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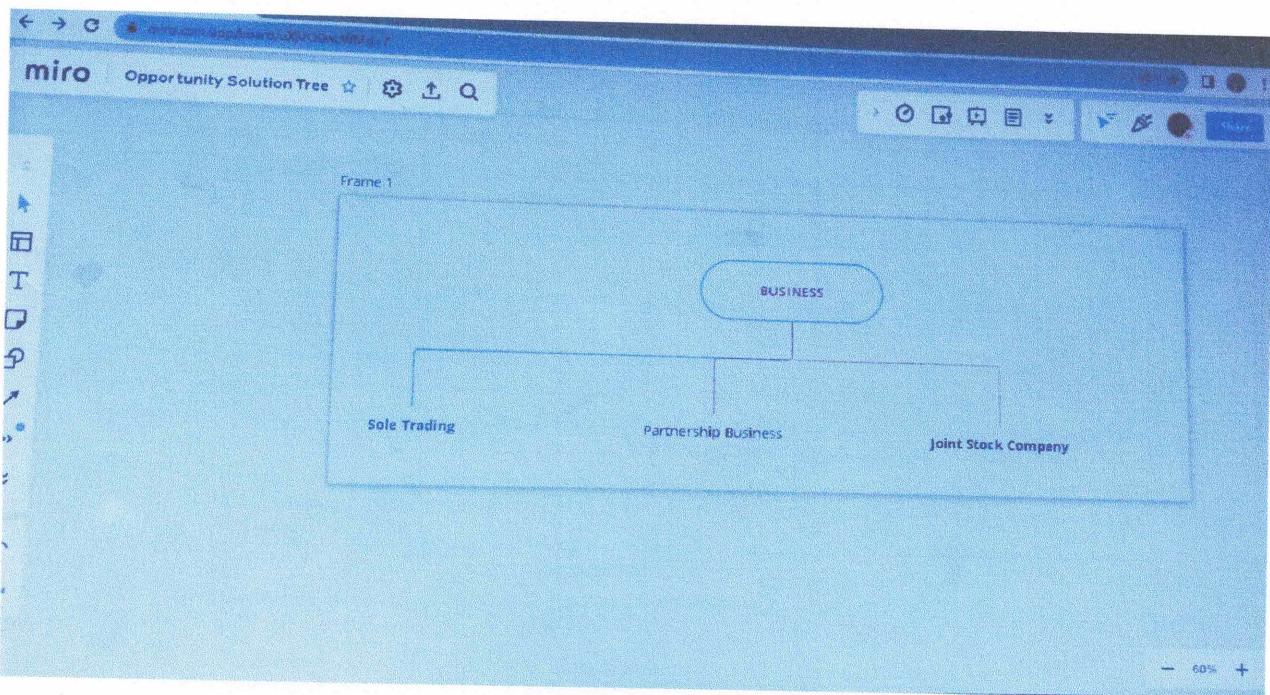


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3. Online drawing tools like **concept map**, **mind map** are used to perform student centric activities.



Mrs.B. Archana, Assistant Professor, used online drawing tool Mind Map to explain “Types of Business” for Civil III year II semester. (AY 2017-2018)

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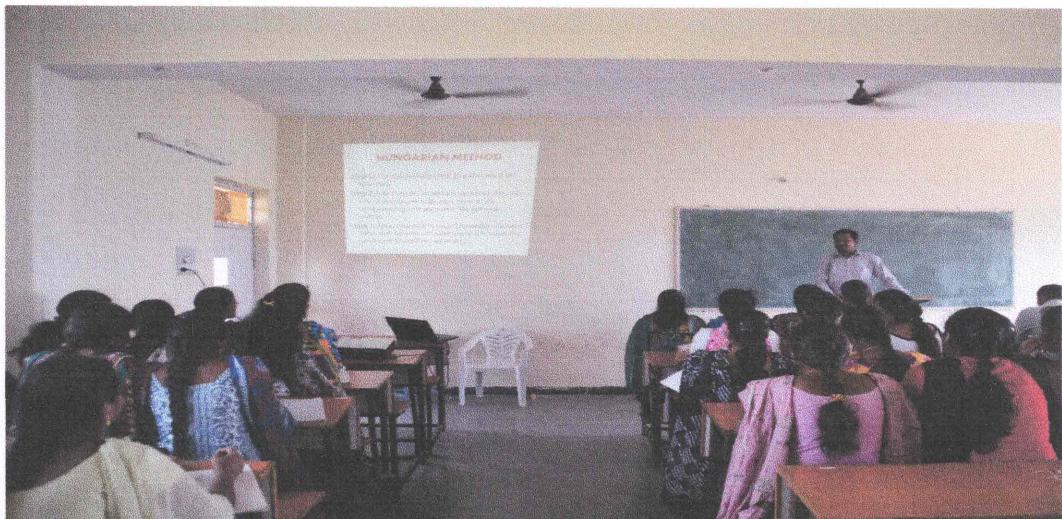


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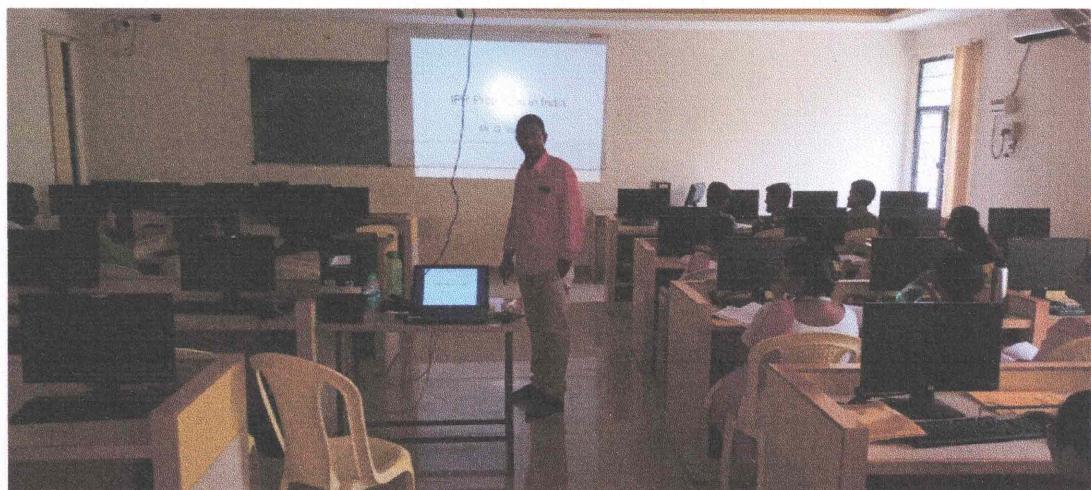
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4. The **POWER POINT PRESENTATIONs** are enabled with animations to improve the effectiveness of the teaching learning process



Mr. Viajaya Kumar. CH, Assistant Professor, Department of Business Management explaining “ Hungarian Method” in QABD for MBA I year I semester. (AY 2017-2018)



Mr.G. Vivek, Assistant Professor, Department of MCA explaining “ IPR Practices in India” for MCA II year I semester. (AY 2019-2020)



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## 5. 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. The video title is "SRI DHAR REDDY SUNKARI's Personal Meeting Room". Below the title, it says "40 views · Streamed live on 20-Feb-2021". The video content displays a handwritten ledger and some notes. The ledger has columns for "Dr" and "Cr". The notes on the right side of the ledger read:

**Adjustment**

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 Rs. 50

Closing Stock 32000

Below the video player, there is a channel profile for "SRIDHAR REDDY SUNKARI" with 29 subscribers, a "SHOW MORE" button, and standard YouTube interaction buttons for dislike, share, clip, save, and analytics.



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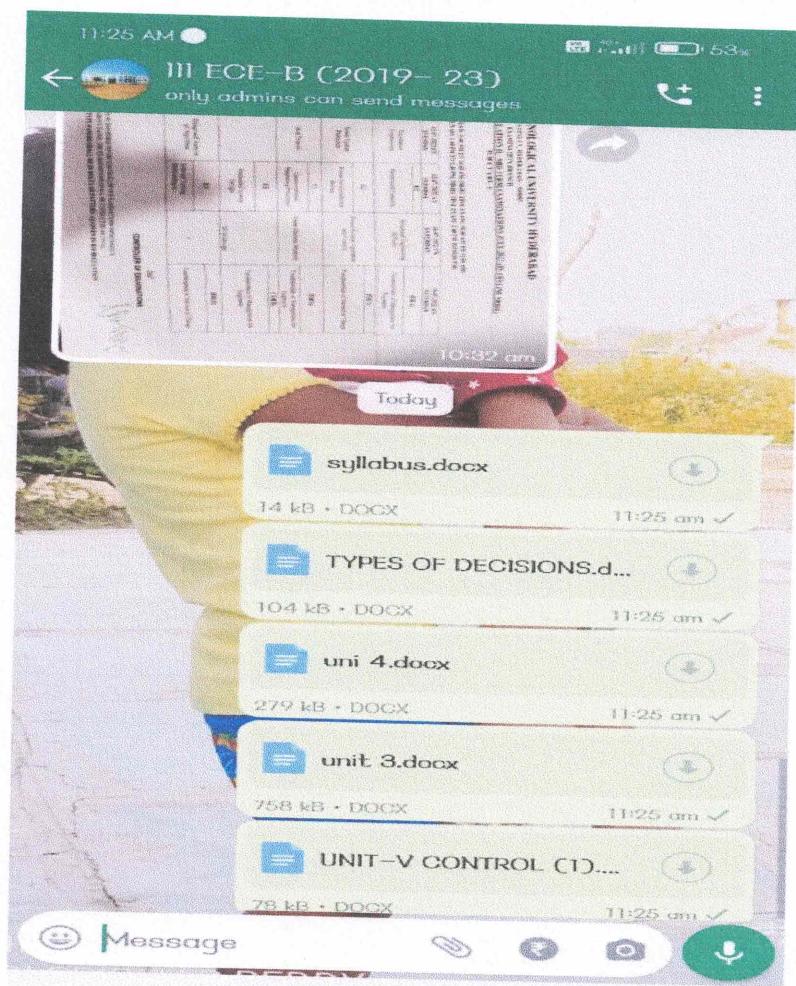


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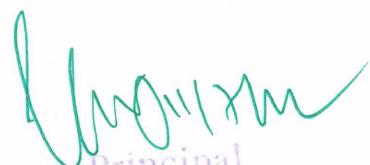
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**6. Social Media In Education:** Faculty members use the social media platforms like WhatsApp and Telegram to connect with the students to sharing Information



Faculty of ECE shared unit wise notes using Whatsapp Social Media. (AY 2019-20)

  
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7. 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  $a_0$**

$$I_{uv} = u'v_1 - u'v_2 + u''v_3 - u'''v_4 + \dots$$

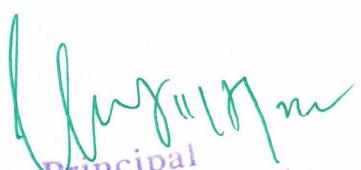
$$\begin{aligned}
 a_0 &= \frac{1}{\pi} \int_0^{2\pi} f(x) dx \\
 &= \frac{1}{2\pi} \int_0^{2\pi} x^2 dx \\
 &= \frac{1}{2\pi} \left[ \frac{x^3}{3} \right]_0^{2\pi} \\
 &= \frac{1}{2\pi} \cdot \frac{8\pi^3}{3} \\
 &= \frac{4\pi^2}{3}
 \end{aligned}$$

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

$\sin nx = 0$   
 $\sin 0 = 0$   
 $\cos 0 = 1$   
 $\cos 2\pi = 1$

$\boxed{a_0 = 4\pi^2/3}$   
 $\boxed{a_n = 4/n^2}$

Mr. B. Ramana Reddy, Assistant Professor, Department of Mathematics, Used Microsoft team White board to explain “Integration” for CSE I year II Semester. (AY 2018-2019)

  
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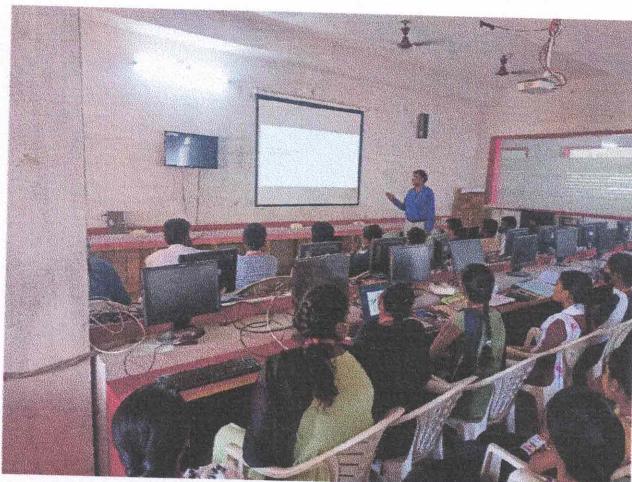


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## 8. ICT enabled Class Rooms and Labs:



ICT Enabled English Communication Lab



ICT Enabled Lab for Master of Computer Application



ICT enabled LAB for Computer Science Engineering



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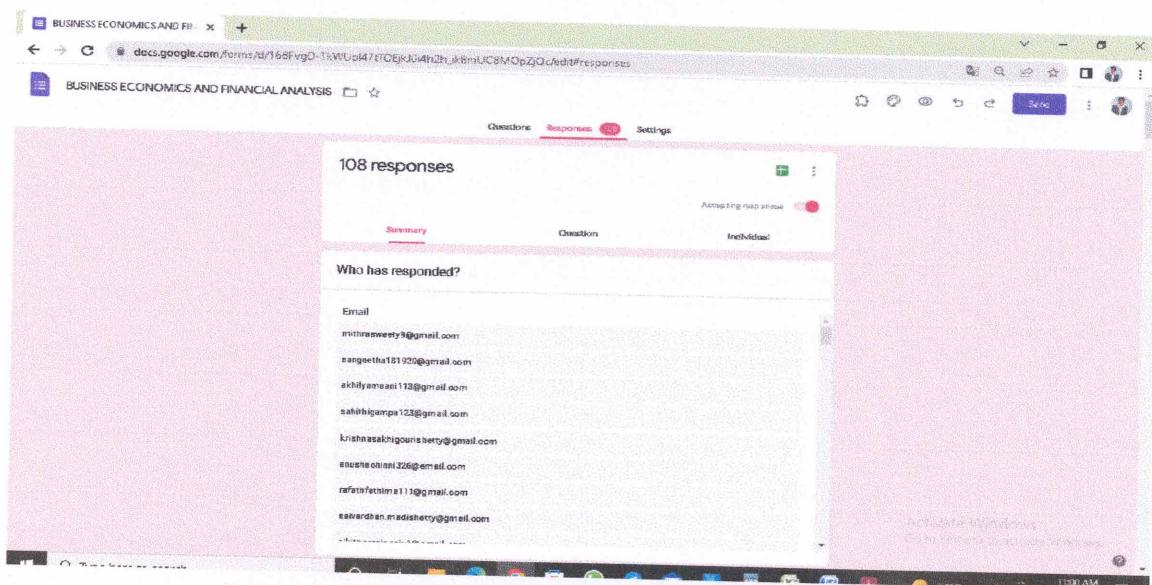
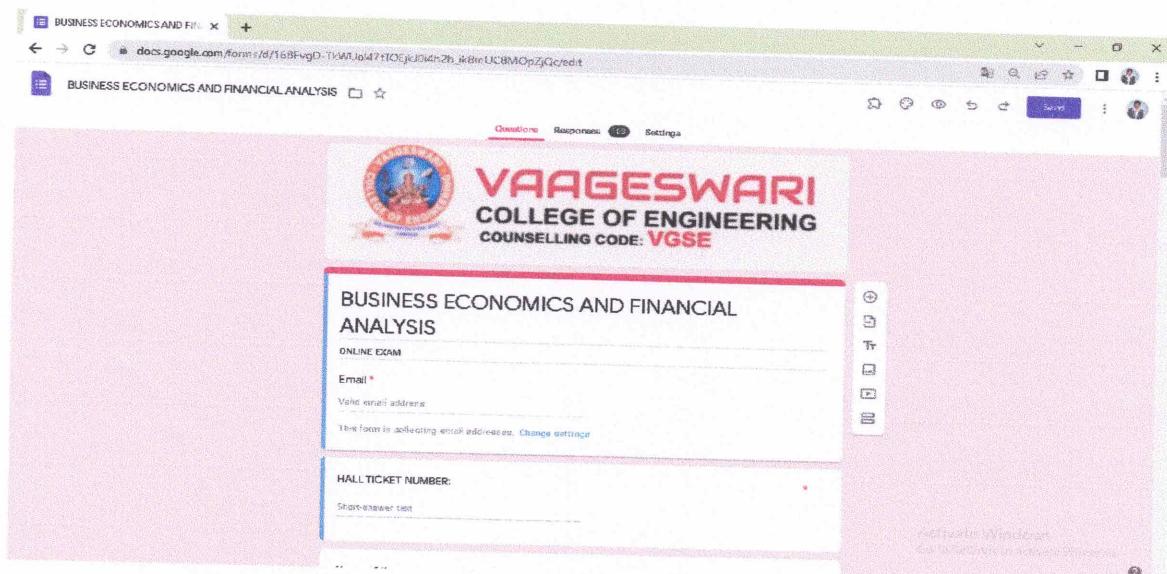
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9. Online quizzes are conducted to evaluation of the student's performance



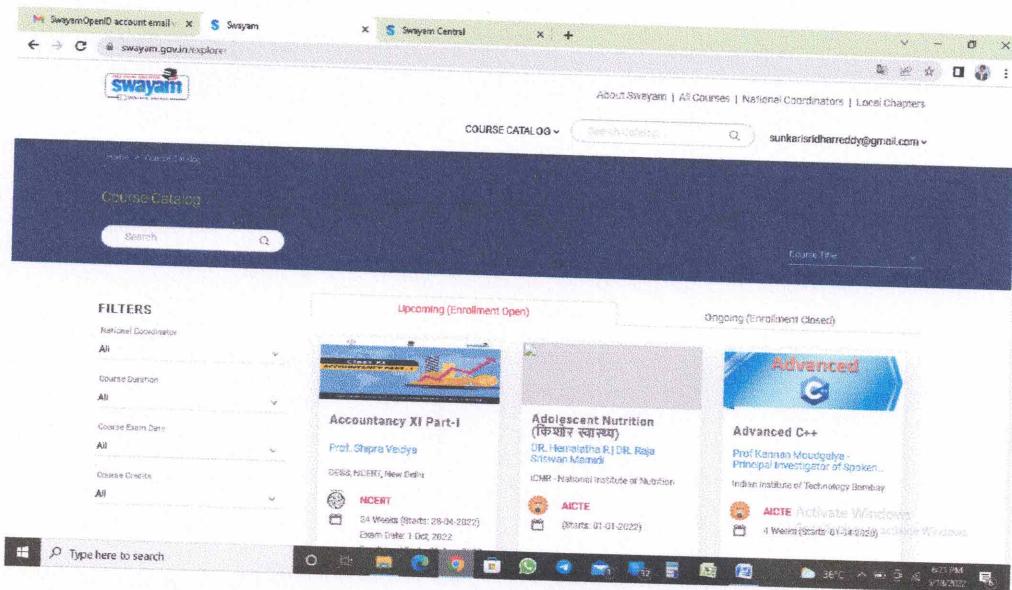
Mrs. B. Archana, Assistant professor, Used Google forms to Conduct Quizzes on “Business Economics and Financial Analysis” for Mechanical Engineering II year I semester. (AY 2017-2018)



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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.



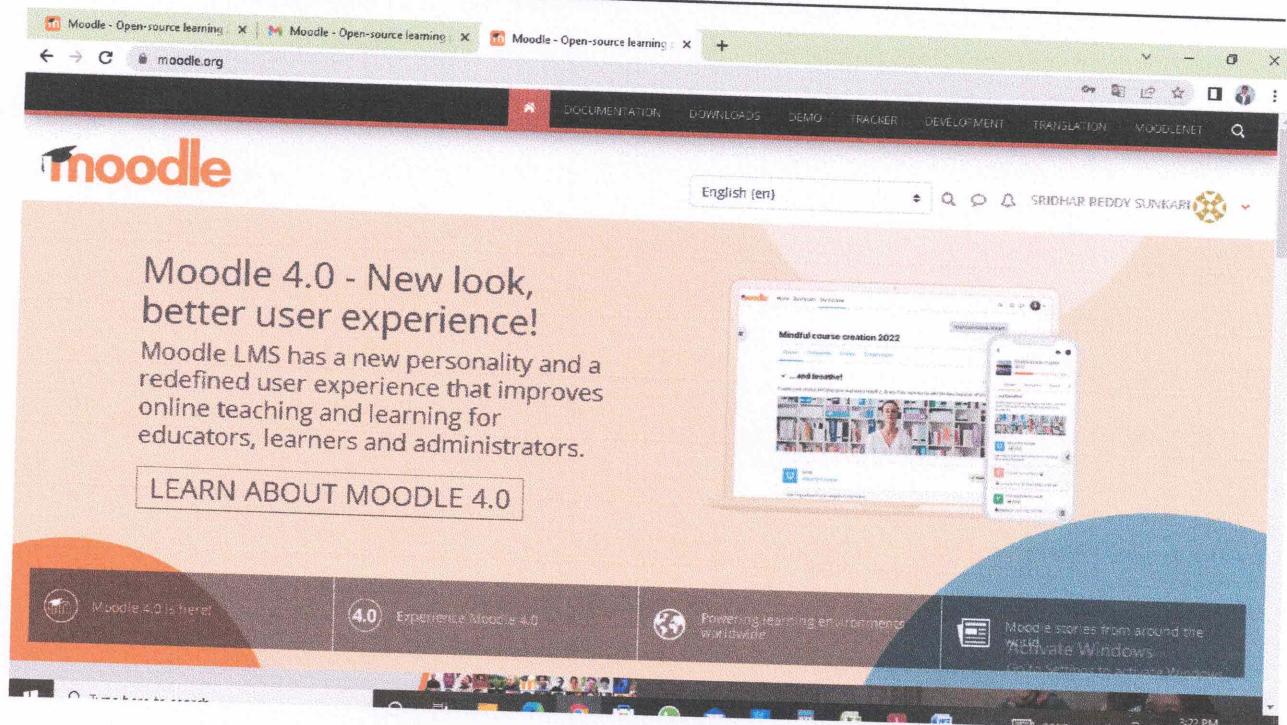
Certificate of Membership- Developing Library Network

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

  
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