



VIGNAN'S INSTITUTE OF MANAGEMENT AND TECHNOLOGY FOR WOMEN

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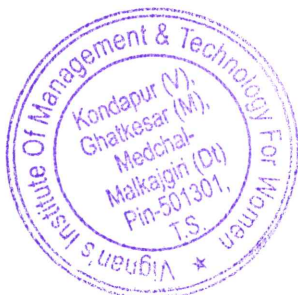
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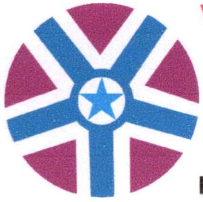


Problem Solving Learning

S. No.	Description	Page No
1	Sample Copy of Hands-on training programs	1 – 3
2	Sample Copy of Project Based learning	4
3	Sample Copy of Developing innovative models	5 – 6
4	Sample Copy of Individual or small group-based assignments	7 – 8
5	Sample Copy of Blended Teaching	9
6	Sample Copy of Online Teaching	10
7	Sample Copy of Course Handouts	11 – 12
8	Sample Copy of Massive Open Online Course	13 – 14
9	Sample Copy of Social Media in Education	15 – 16
10	Sample Copy of Google Forms	17 – 20
11	Sample Copy Flipped Class	21 – 22




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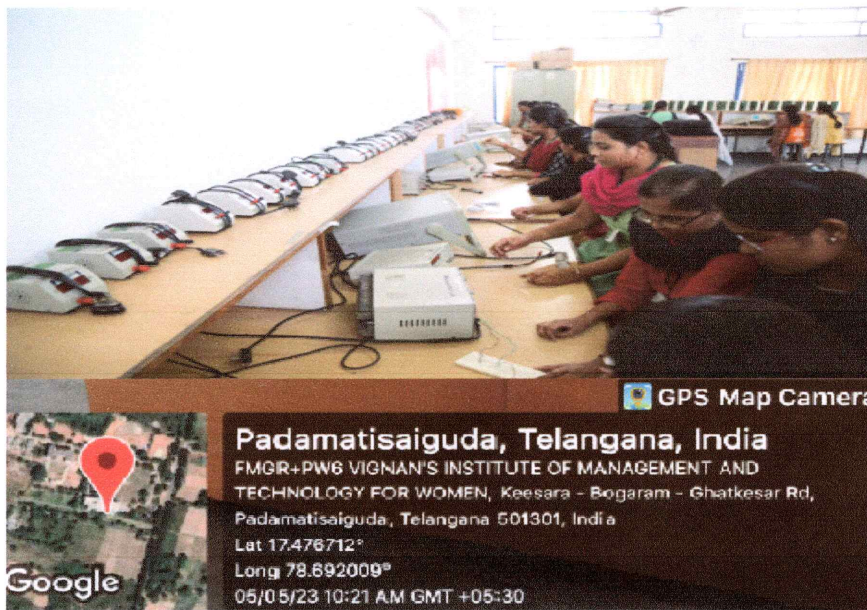
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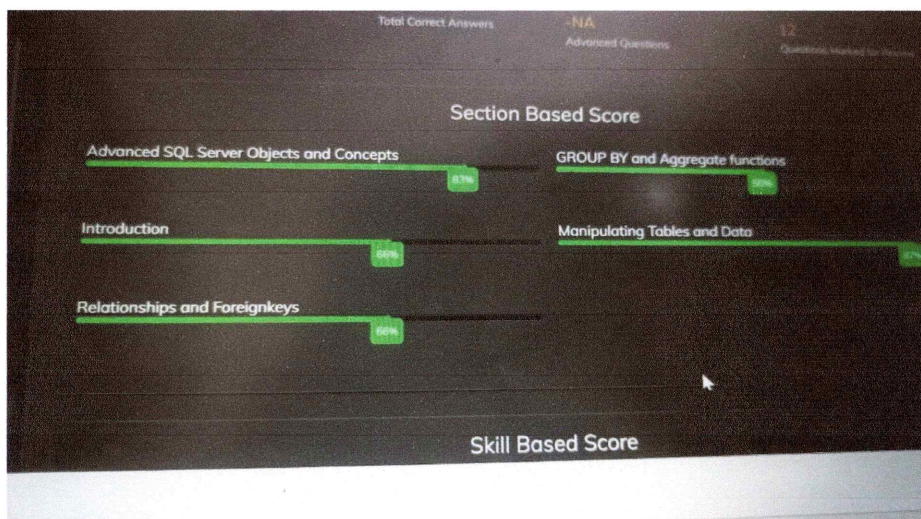


Problem Solving Methodologies are procedures through which a condition or issue may be examined, and proper solutions are employed.

Hands-on training programs: In every semester, the students will undergo the training activities to explore on industry and advanced technologies.



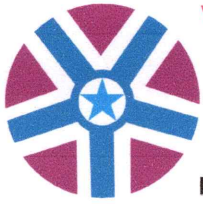
Hands-on Training: "PCB designing" for II Year ECE students



Hands-on Training: "Coding test" for II Year CSE Students



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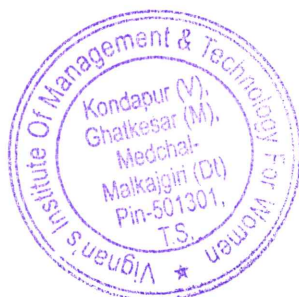
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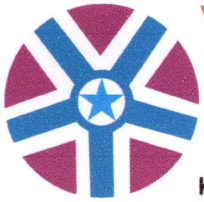
Training Program for II year IT students by “TriMind Tech”



Appreciation: Prize distribution by “TriMind Tech”




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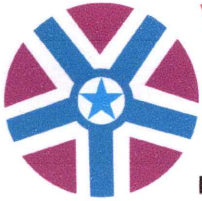
Appreciation: Prize distribution by "TriMind Tech"



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Project Based learning: Students get an opportunity to design and develop projects by information gathering, investigating, analyzing and demonstrating on real time challenges.



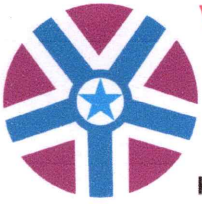
Mini Project: III Year ECE Students



Major Project: IV Year ECE Students



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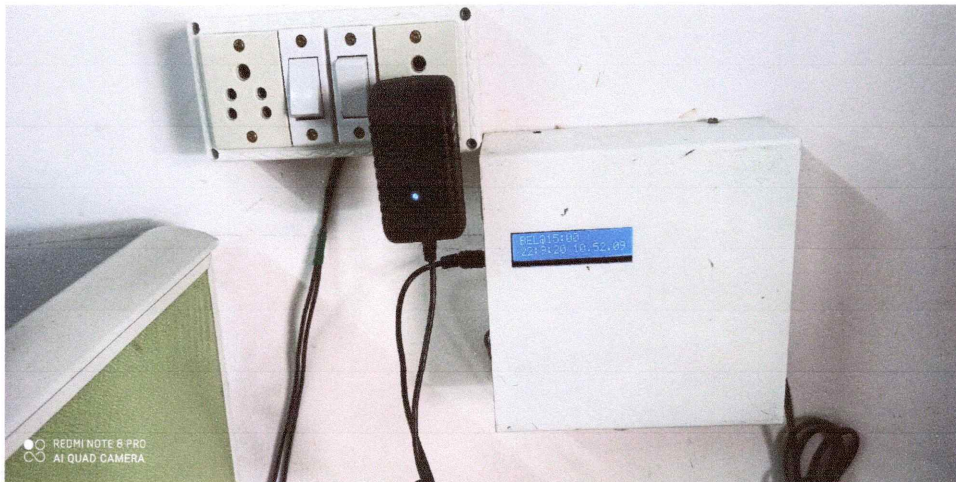
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Developing innovative models: Students takes some real-world problems for rising new products/models with newness in perception of meeting challenges in industry and academia.

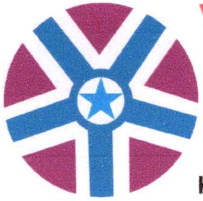


Innovative project: IV Year ECE students



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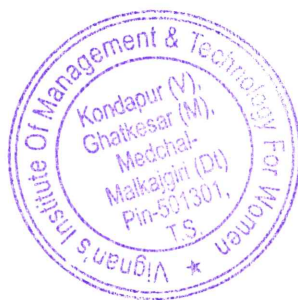
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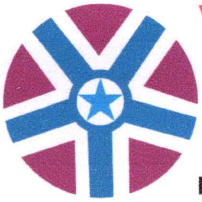
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Innovative project: IV Year ECE students



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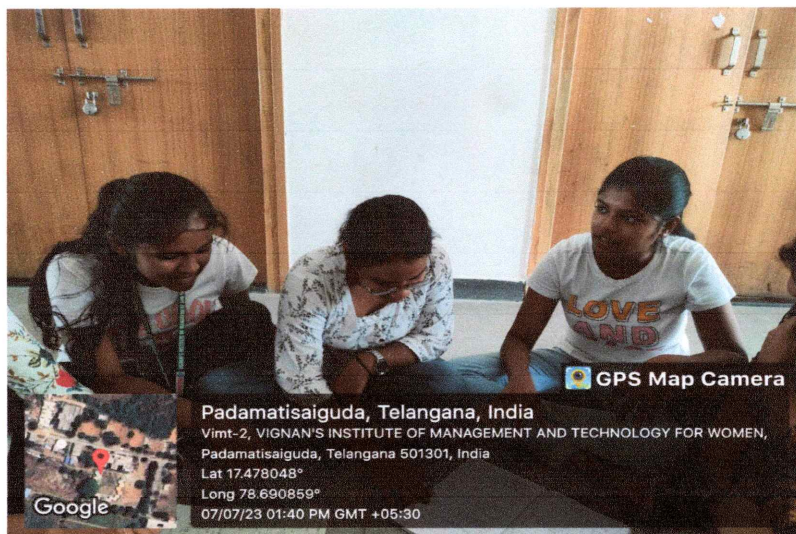
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Individual or small group-based assignments: tasks on case study problems, current technologies and industry need based problems are assigned for individual students and group of students to address and develop feasible solutions.



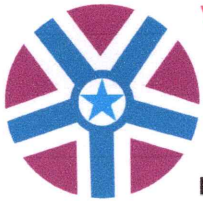
Small group based assignment: II year AIML students



Small group based assignment: II year CSE students



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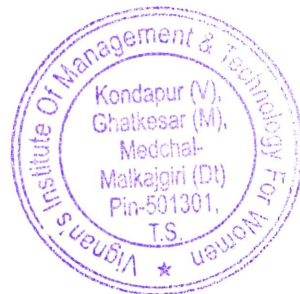
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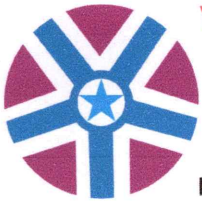
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Small group based assignment: III year ECE students



V. Asha
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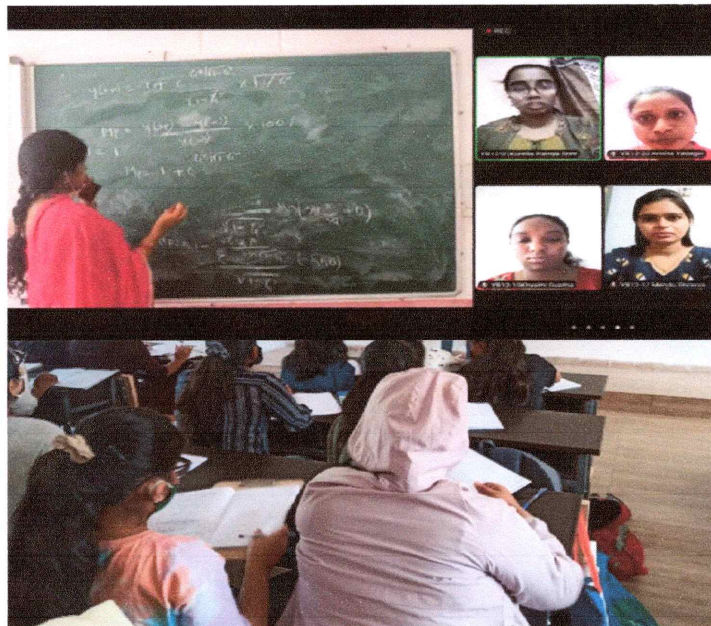
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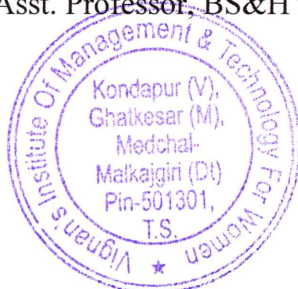
Blended Teaching: Usage of Teaching aid Techniques such as Video Lectures, Power point presentations. Implementation of Active learning strategies such as Collaborative and individual learning activities.



Mrs.G.Swathi, Assistant professor from ECE Department taking online cum offline class for the subject NATL through Black board and Googlemeet.

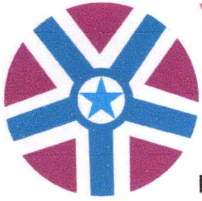


Mrs .Manjula, Asst. Professor, BS&H teaching Mathematics for I Year –I sem students



Manjula
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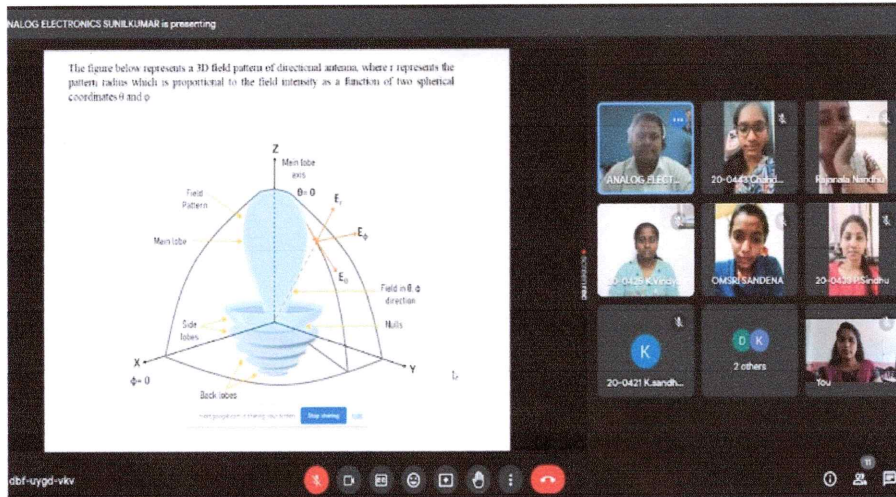
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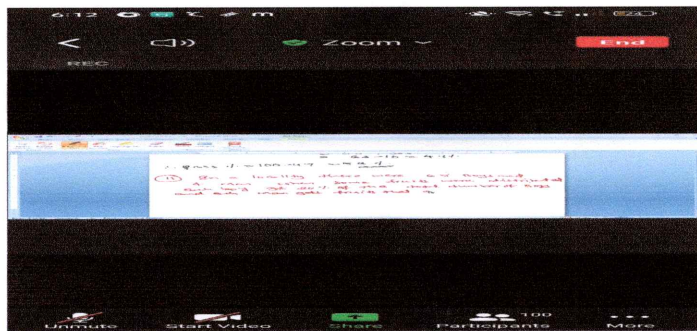
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Online Teaching: Faculty made a swift transition from classroom to online teaching by using platforms like Google meet, Google class room, ZOOM, CISCO WEB-EX and You-Tube.



Mr.J.Sunil Kumar, Associate Professor, ECE Department taking online class for the subject AWP through Googlemeet.



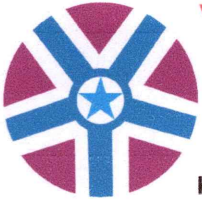
- 10 1233_Radhika O... (Co-host)
- D 553_DIVYA Chan... (Co-host)
- K 1203-Rasagnya
- 1204_Riya
- A 1207_Abhinetri
- K 1217_ K.Bhavana
- 1226_Deepthi
- 1231-Koushika
- 1239_ Dhatri

Online Class : Zoom meet for III Year IT Students



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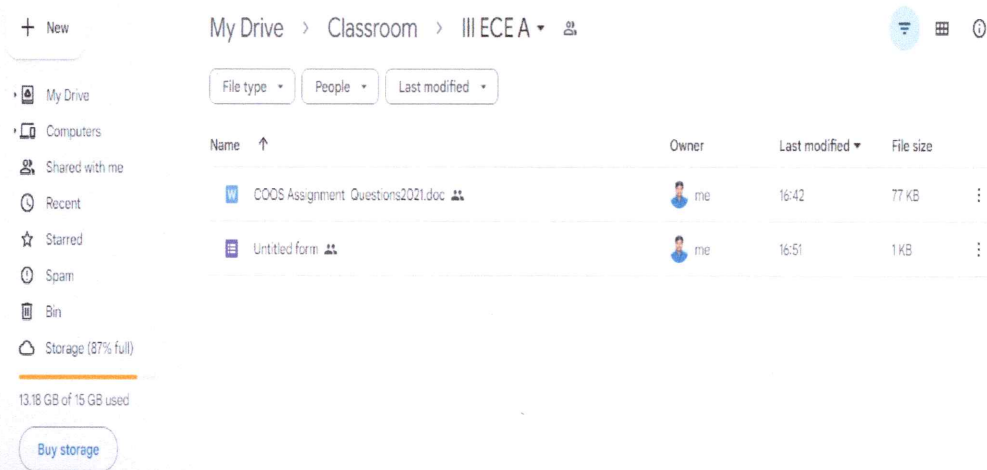
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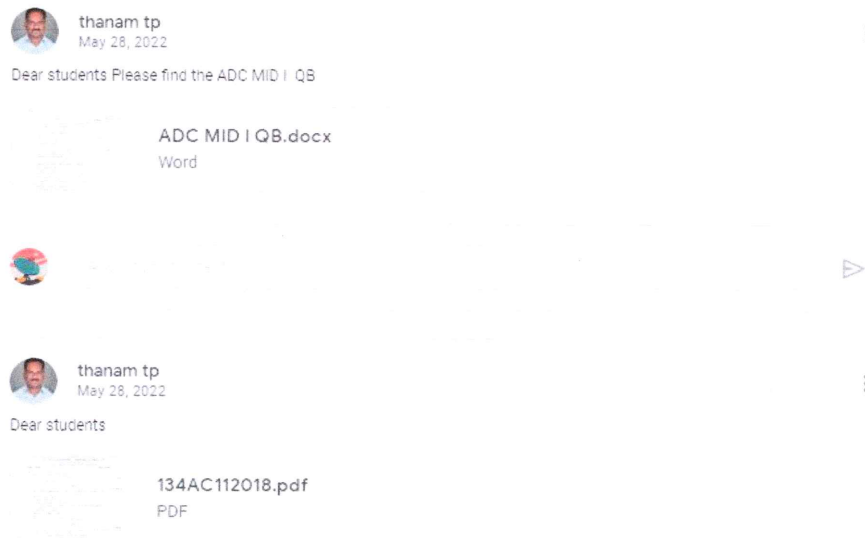
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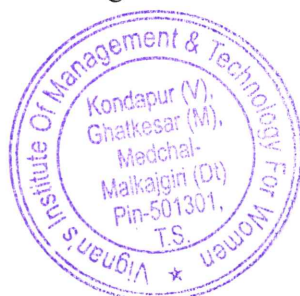
Course Handouts: Course handout consists of Video lectures, Lecture Notes, Assignment questions, Tutorial questions and answers a model question papers sharing using ICT tools like Google Classroom etc.



Assignment questions : Google Class Room for III Year ECE-A Students

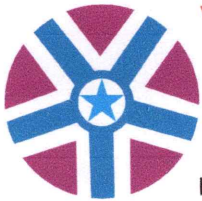


Mr. T.Pullaiah shared Analog Communication notes through Google Class room



T.P.
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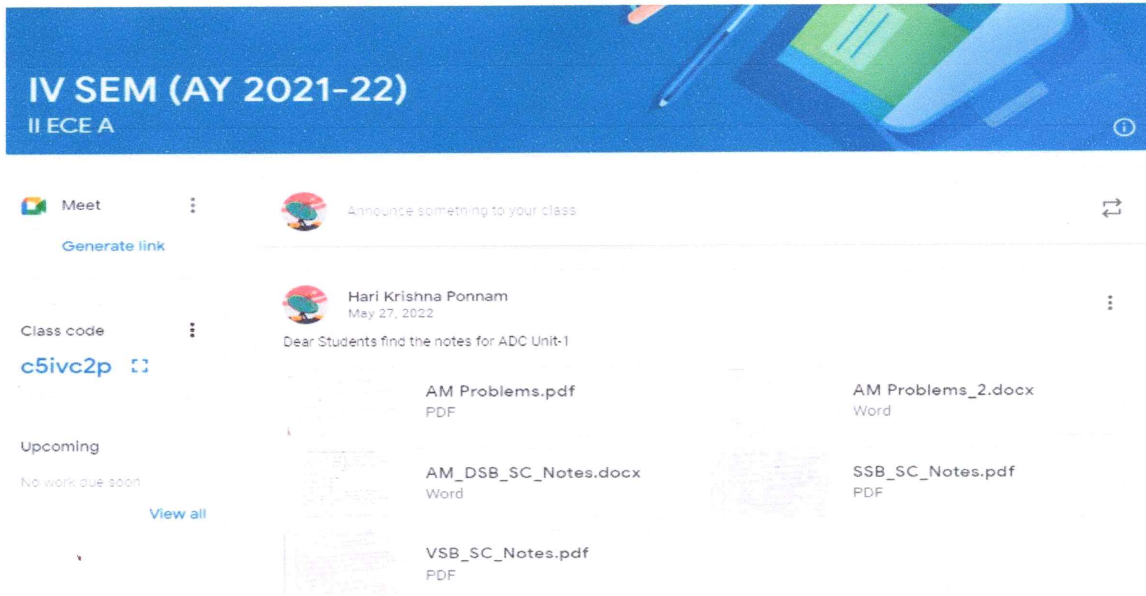


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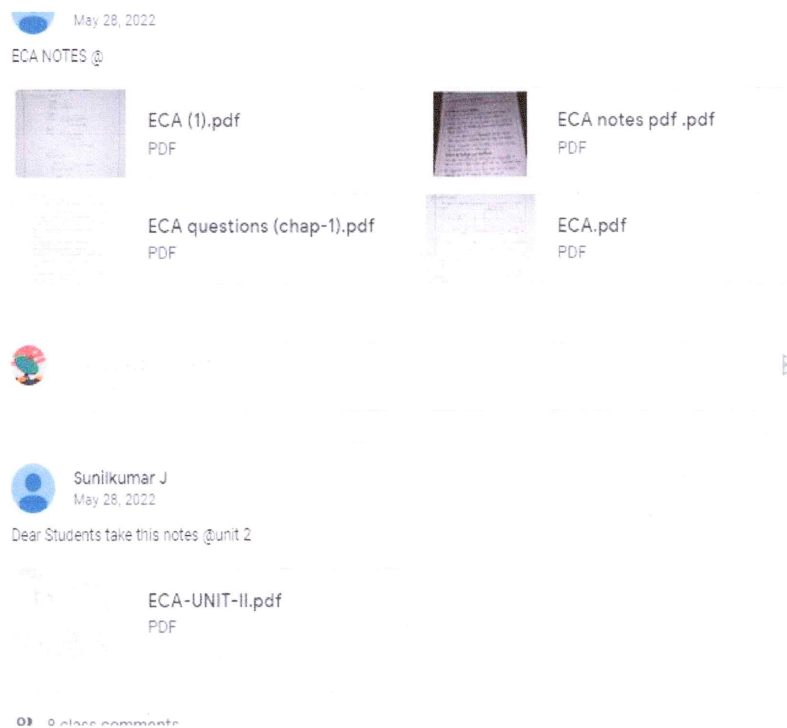
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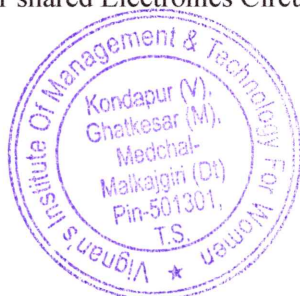
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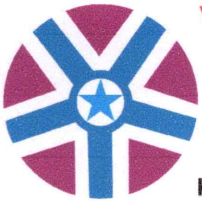
Mr. P.HariKrishna shared Analog & Digital Communication notes through Google Class room



Mr. J.Sunil Kumar shared Electronics Circuit Analysis notes through Google Class room



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Massive Open online course: Faculty enroll for various courses like NPTEL, COURSERA, and other MOOCs for better understanding of the subject and encourages the students to get certified.



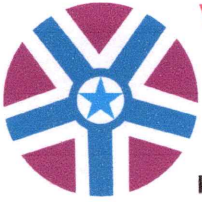
ECE student completed NPTEL online Certification in “Programming in Java”



II Year AIML Student has got certificate from coursera in “AI for Everyone”



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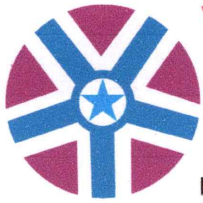
III Year IT Student has got certificate from coursera "AI for Everyone"



III Year IT Student has got certificate from coursera "New Things work: An Introduction to Physics"



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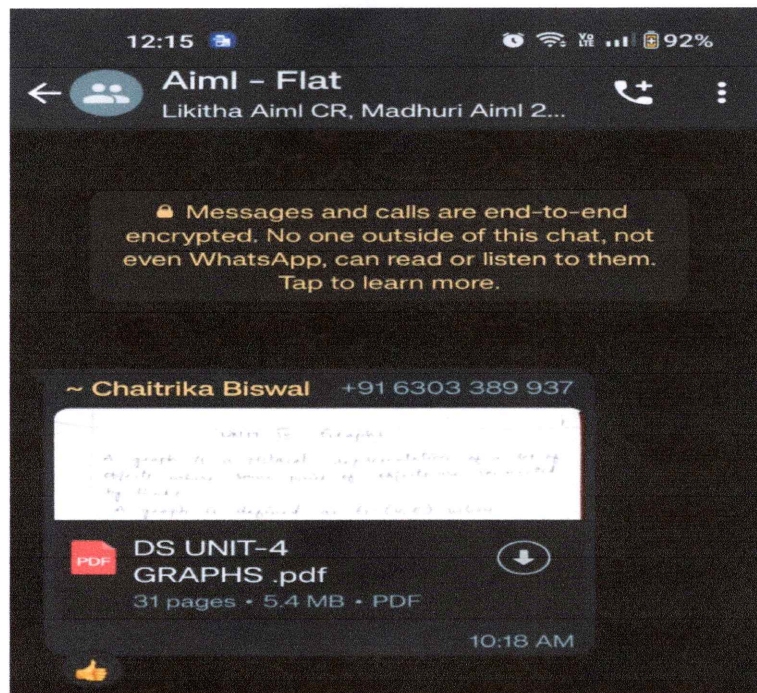
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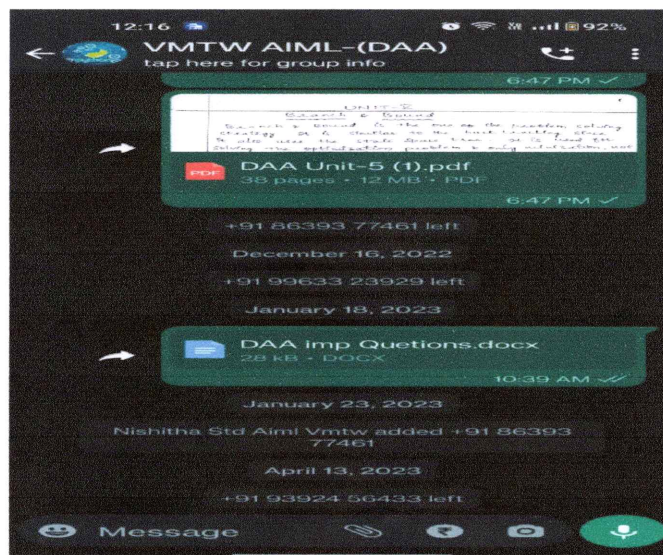
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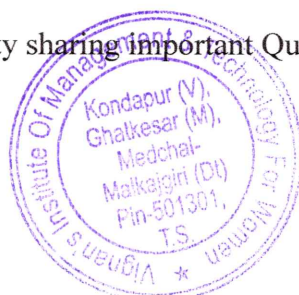
Social Media in Education: Faculty members use the social media platforms like WhatsApp and Telegram to connect with the students for sharing information.



Faculty sharing notes through WhatsApp

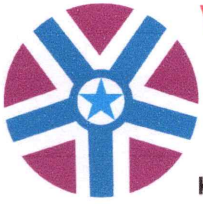


Faculty sharing important Questions through Whatsapp



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

III B.Tech II Semester Assignment – I Examinations, 2021

Branch & Sections: ECE **SUBJECT:** COOS

Name: Mr.E.NagaRaju **DATE:** 01-11-2021-FN

Time: 60min **Marks:** 2X10=20M

Answer any two of the following

Q.No	Question	CO Mapping	Blooms Taxonomy Level	Marks
1	Discuss different applications of Logical micro-operations with Examples.	CO1	Create	10
2	Explain the Arithmetic Logic Shift Unit with block diagram.	CO1	Understand	10
3	Explain different Phases of Instruction Cycle with Examples.	CO1	Understand	10

Faculty sharing the subject information through Email.

Rajendra Prasad Sir Vgn

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Yesterday

Vnkt Sr Vgn

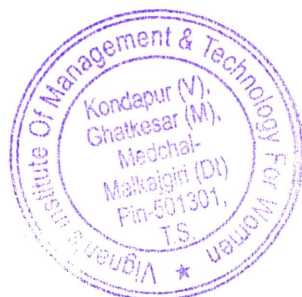
- Find the Rank of the Matrix, by reducing it to the normal form: $\begin{bmatrix} 1 & 2 & 3 \\ 2 & 4 & 6 \\ 3 & 6 & 9 \end{bmatrix}$
- Find all the non-trivial solutions of: $2x + 3y + 4z = 0$, $3x + 4y + 5z = 0$, $4x + 5y + 6z = 0$
- Express the following system in matrix form and solve by Gauss elimination method: $2x + 3y + 4z = 10$, $3x + 4y + 5z = 20$, $4x + 5y + 6z = 30$
- Show that the system of equations: $3x + 2y + 4z = 1$, $x + 2y + 4z = 2$, $2x + y + 3z = 3$ is consistent and hence solve it.
- Solve the system of equations by Gauss-Jordan method: $20x + y - 2z = 17$, $3x + 20y - z = 16$, $2x + 3y + 20z = 25$
- Find the inverse of $A = \begin{bmatrix} 1 & 2 & 3 \\ 2 & 3 & 4 \\ 3 & 4 & 5 \end{bmatrix}$ by gauss-jordan method.
- Find the values of a and b for which the equations: $ax + 2y + 3z = 4$, $2x + by + 4z = 5$ have infinite solutions. (provide number of solutions) (2018 solution)

UNIT-2

- Determine the latent roots and vectors of the matrix: $A = \begin{bmatrix} 1 & 1 & 1 \\ 1 & 1 & 1 \\ 1 & 1 & 1 \end{bmatrix}$
- Verify Cayley-Hamilton theorem and find the inverse of $A = \begin{bmatrix} 1 & 1 & 1 \\ 1 & 1 & 1 \\ 1 & 1 & 1 \end{bmatrix}$
- Diagonalise the matrix: $\begin{bmatrix} 1 & 2 & 3 \\ 2 & 3 & 4 \\ 3 & 4 & 5 \end{bmatrix}$
- Reduce the quadratic form to canonical form by an orthogonal reduction and state the

8:16 PM

Faculty sharing notes and important questions through WhatsApp



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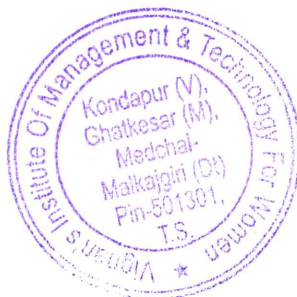
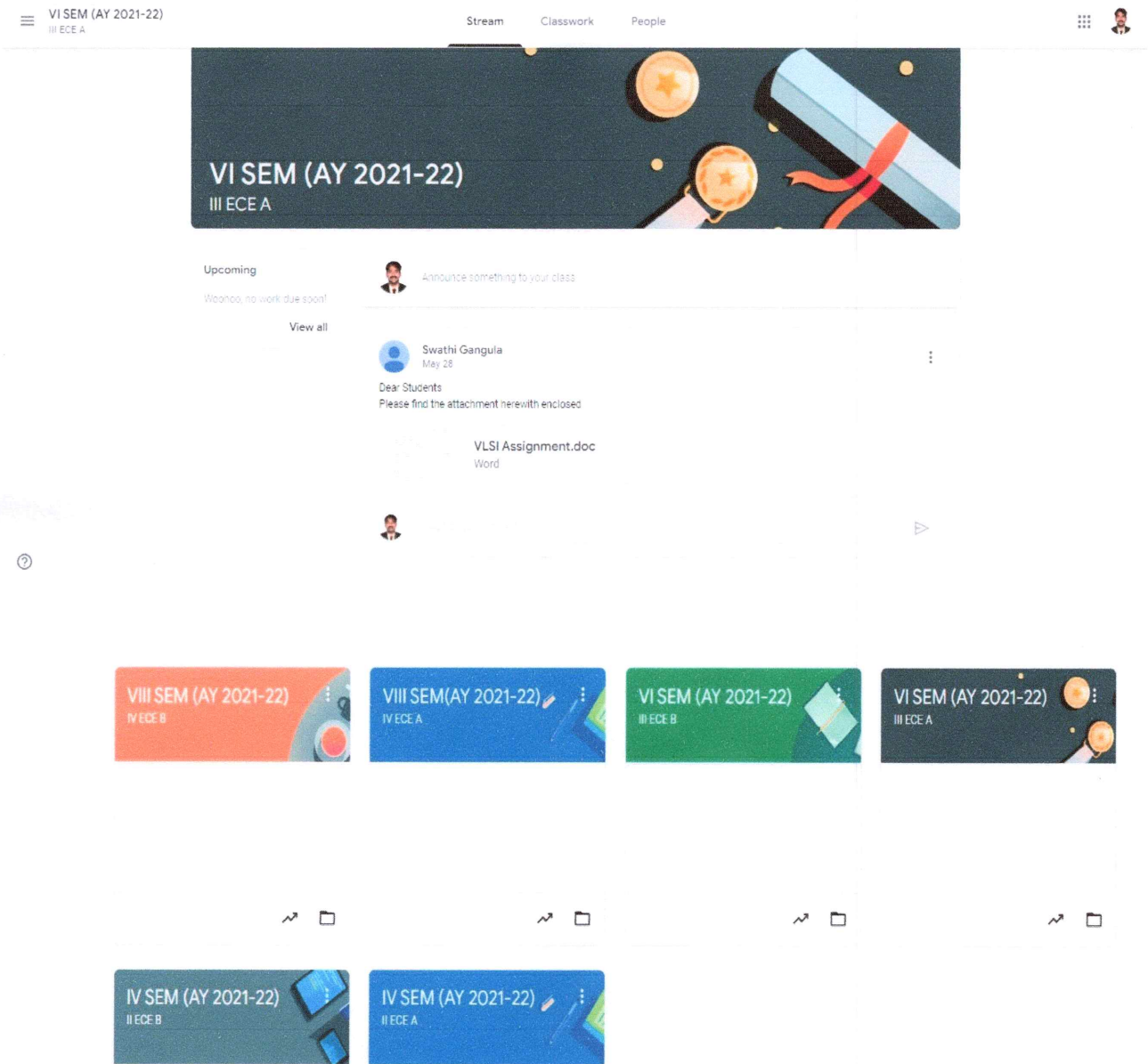
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Google Forms: The faculty of uses Google forms for assessing the students for quiz, assignments etc.,



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VI SEM (AY 2021-22)
III ECE A

Meet : Announce something to your class

Generate link

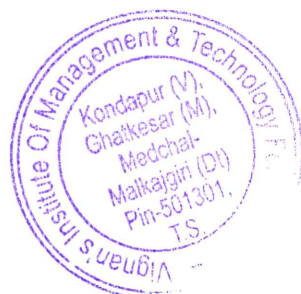
Class code :
dswkyrj

Swathi Gangula
May 28, 2022
Dear Students
Please find the attachment herewith enclosed

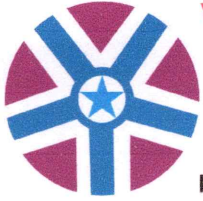
VLSI Assignment.doc
Word

Upcoming
No work due soon

Mrs. G.Swathi shared VLSI Assignment through Google Class room




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Sample Quiz

MPMC QUIZ-1:

***Required**

RollNumber*

1. Storage which stores or retains data after power off is called 1 point
Mark only one oval.

- Volatile storage
- Non-Volatile storage
- Direct Storage
- None of these

2. What is the permanent memory built into your computer called 1 point
Mark only one oval.

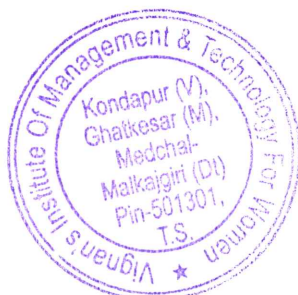
- RAM
- ROM
- CPU
- CD-ROM

3. Hard disc drives are considered. Storage 1 point
Mark only one oval.

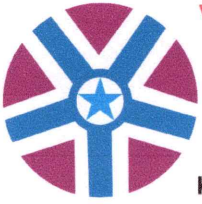
- Flash
- Non-volatile
- Temporary
- Non-permanent

4. Virtual memory is__ 1 point
Mark only one oval.

- Memory on the harddisk that the CPU uses an extended RAM in RAM
- Only necessary if you do not have any RAM in your computer
- A backup device for floppy disk
- None of the above




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5. How to erase the data In EPROM?
Mark only one oval.

1 point

- Electrically
- By apply UV light
- By applying constant power
- None of these

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Forms



insulation is limited between ---
---degree F.

- 120 and 130
- 130 and 140
- 120 and 140
- 130 and 150

3. Which of the following is not the advantage of low thickness high performance insulation in the place of high thickness low performance insulation? 1 point

- Saves insulation material cost
- Overcomes space constraint
- Saves surface cladding cost
- Minimizes capital cost due to minimized support for insulation

2. Economic insulation thickness is calculated with the condition that the exterior surface temperature after insulation is limited between -----degree F. 0/1

- 120 and 130
- 130 and 140
- 120 and 140
- 130 and 150

Correct answer

- 120 and 140

3. Which of the following is not the advantage of low thickness high performance insulation in the place of high

7. Which of the following is not the assumption made to calculate exit temperature of fluid from a insulated pipe? 1 point

- Constant ambient temperature
- Constant thermal conductivity of fluid
- Constant laminar flow of fluid
- Constant thermal conductivity of insulation

8. From the figure given below, find the economic thickness of insulation. 1 point

Annual cost (₹/m²/year)

Insulation thickness (m)

7. Which of the following is not the assumption made to calculate exit temperature of fluid from a insulated pipe? 0/1

- thickness, heat loss for bare pipe
- Constant thermal conductivity of fluid
- Constant ambient temperature
- Constant laminar flow of fluid
- Constant thermal conductivity of insulation

Correct answer

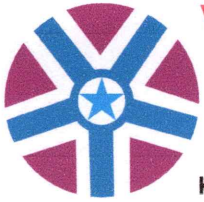
- Constant laminar flow of fluid

8. From the figure given below, find the economic thickness of insulation. 0/1

QUIZ Questions are given through Online



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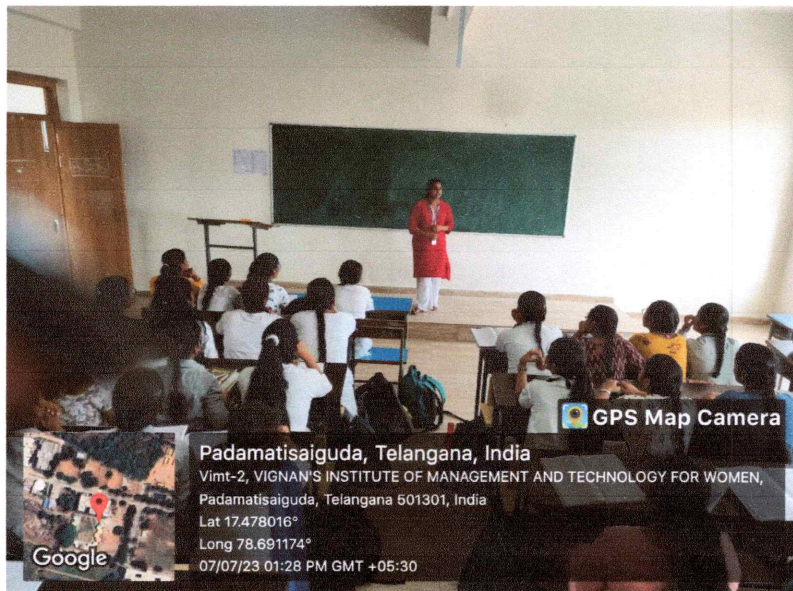
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Sample Copy of Flipped Class



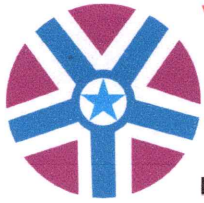
Flipped class – III Year IT



Flipped class – II Year ECE



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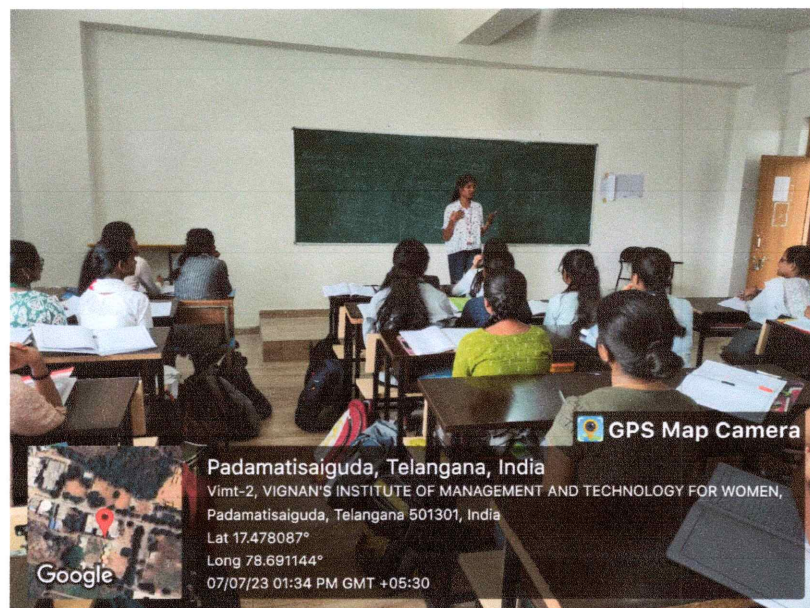
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Flipped class – III Year ECE



Flipped class – III Year AIML



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