



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

2.3.1 Student Centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experience (20)

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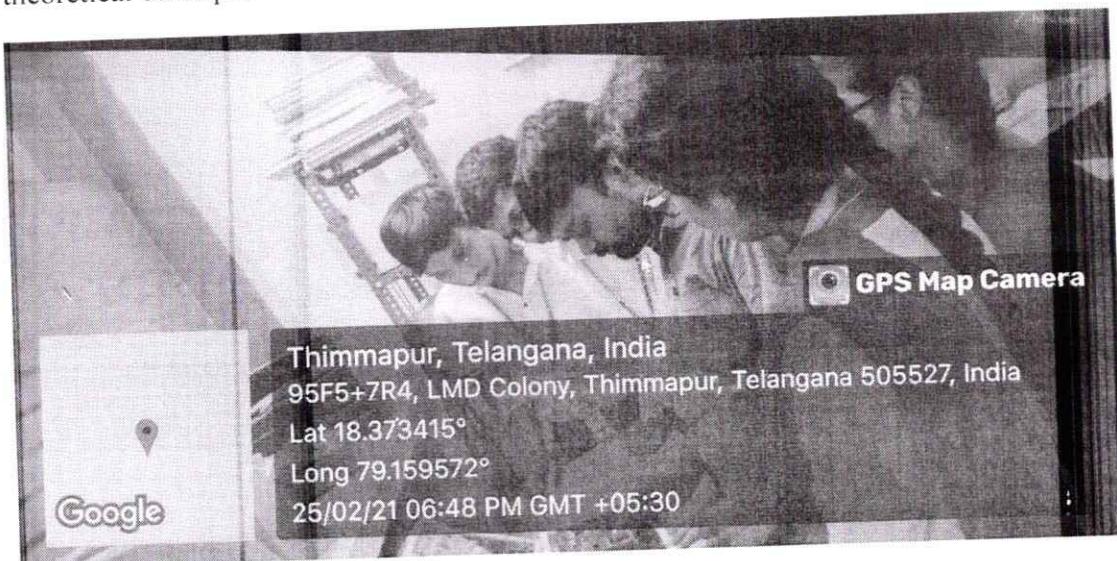


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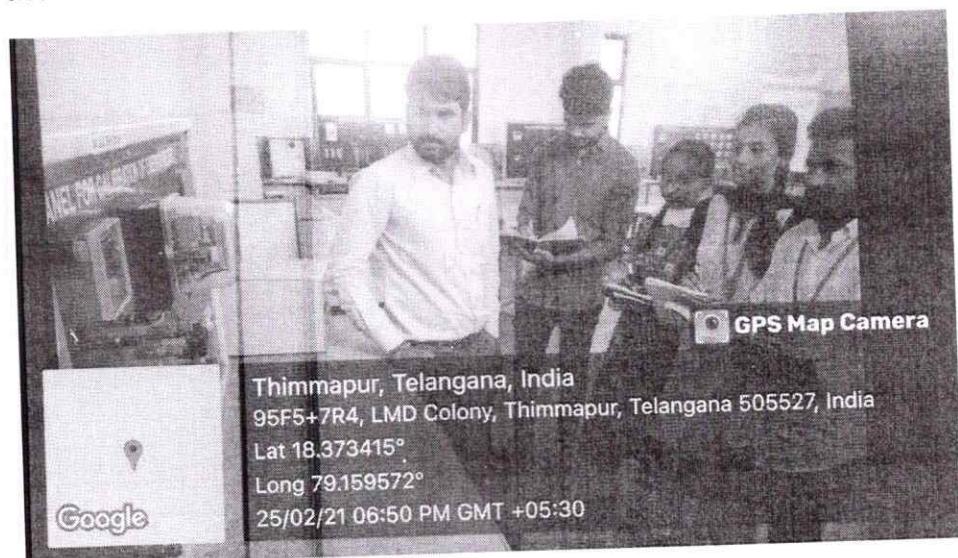
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Experiential Learning: The Institution offers experiential learning for students with the following approaches:

1. **Laboratory Session:** Laboratory Sessions are conducted for better understanding of theoretical concepts.



Students of ECE Department, II Year II semester Performing Lab Experiment in “Frequency Modulation & Demodulation” (AY 2020-2021)

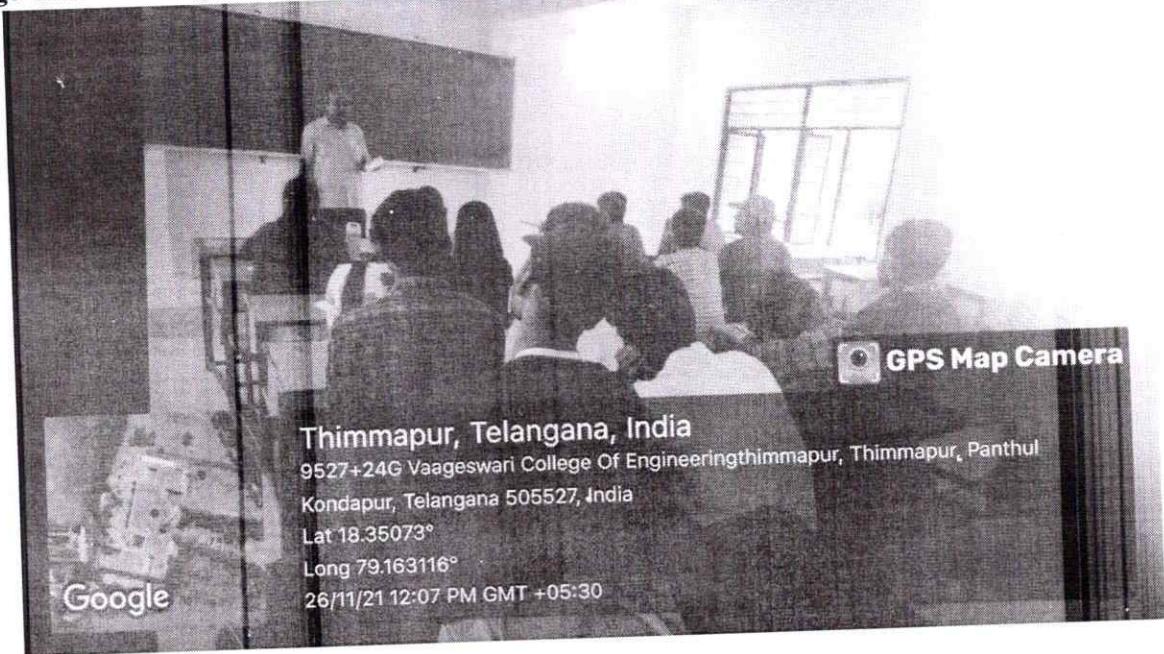


Students of EEE Department, III Year I semester Performing Lab Experiment in “Calibration of single phase energy meter” (AY 2020-2021)

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2.Bridge Course: Bridge Courses are conducted for students for filling the gaps in academics

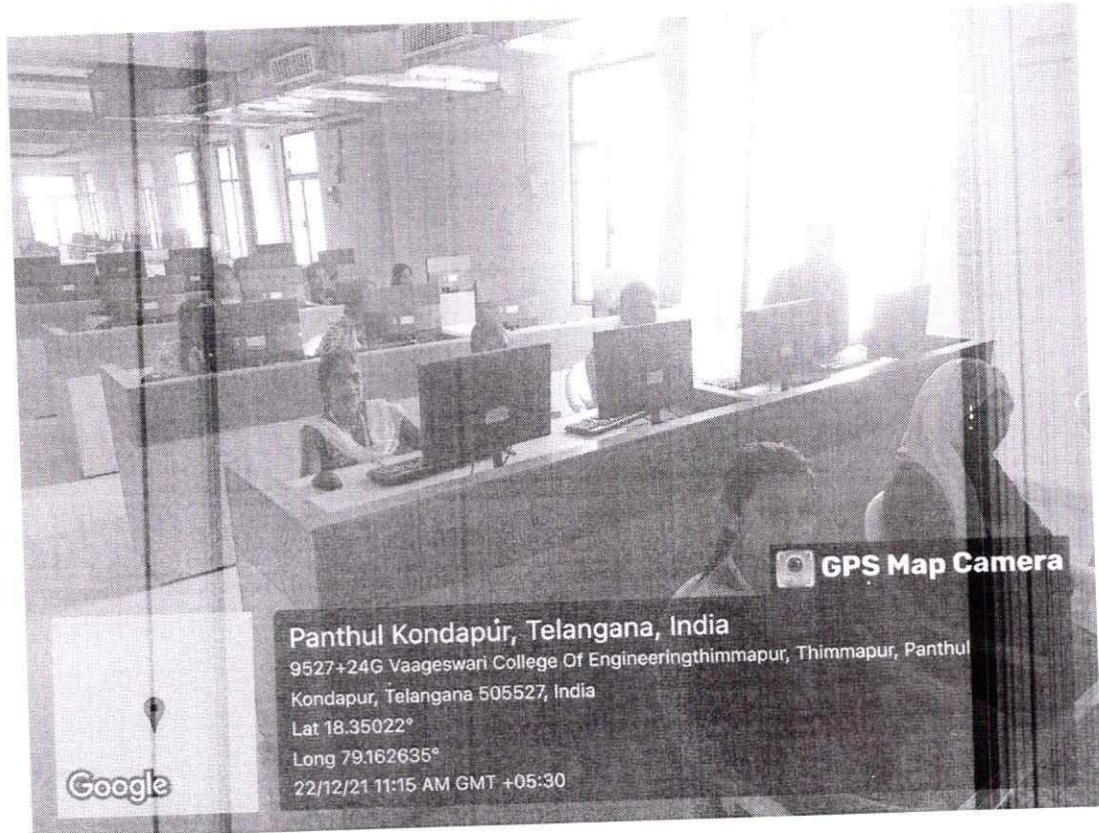


Dr. E. Hari Prasad, Associate Professor, Department of Business Management conducted ADD-ON program on “Small Business Management” for MBA II year II semester Students. (AY 2021-22)

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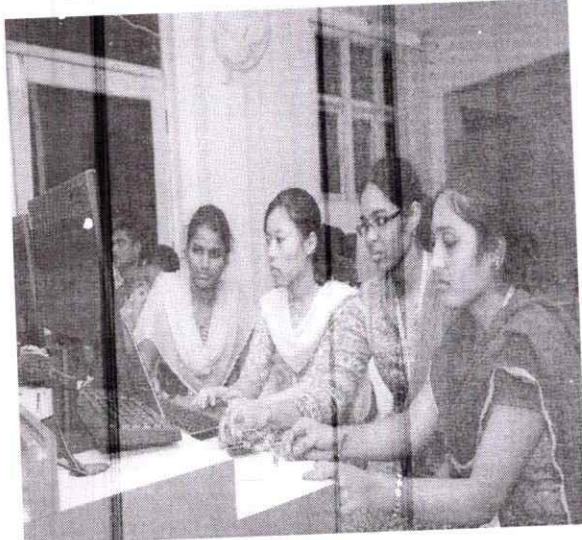
3. Virtual Labs:

Virtual Labs: Used to provide remote access to labs in various disciplines can avail the various tools for learning including additional web resources, video lectures, animated demonstration and self evolution.



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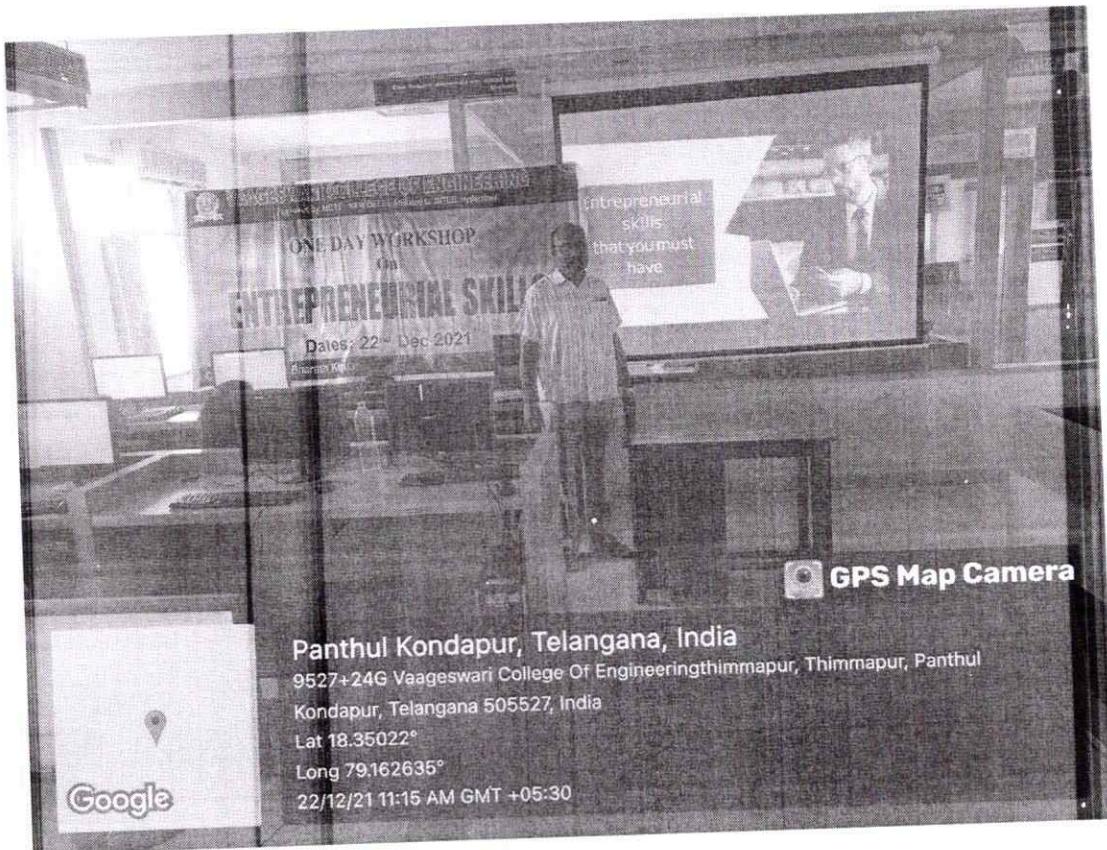
4. Group Discussion and Debates:




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5. Workshops, Guest Lectures and Seminars

MBA 2nd Year Students participated in Workshop on "ENTERPRENEURIAL SKILLS", 22-12-2021

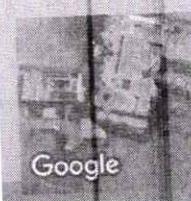


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VAAGESWARI COLLEGE OF ENGINEERING MBA DEPARTMENT ONE DAY WORKSHOP ON ENTREPRENEURIAL SKILLS .. 22/12/2021			
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1	21541E0001	A. Shilpa	
2	21541E0003	B. Chaitanya	
3	21541E0006	B. Vedula	
4	21541E0008	C. Alakya	
5	21541E0010	Ch. Vinod	
6	21541E0012	Ch. Vaishnavi	
7	21541E0014	D. Srikrishna	
8	21541E0017	E. Suman	
9	21541E0019	F. Arshans	
10	21541E0020	G. Veni	
11	21541E0023	H. Vaishnavi	
12	21541E0024	I. Srinivas	
13	21541E0032	J. Gurav	
14	21541E00310	K. Venkatesh	
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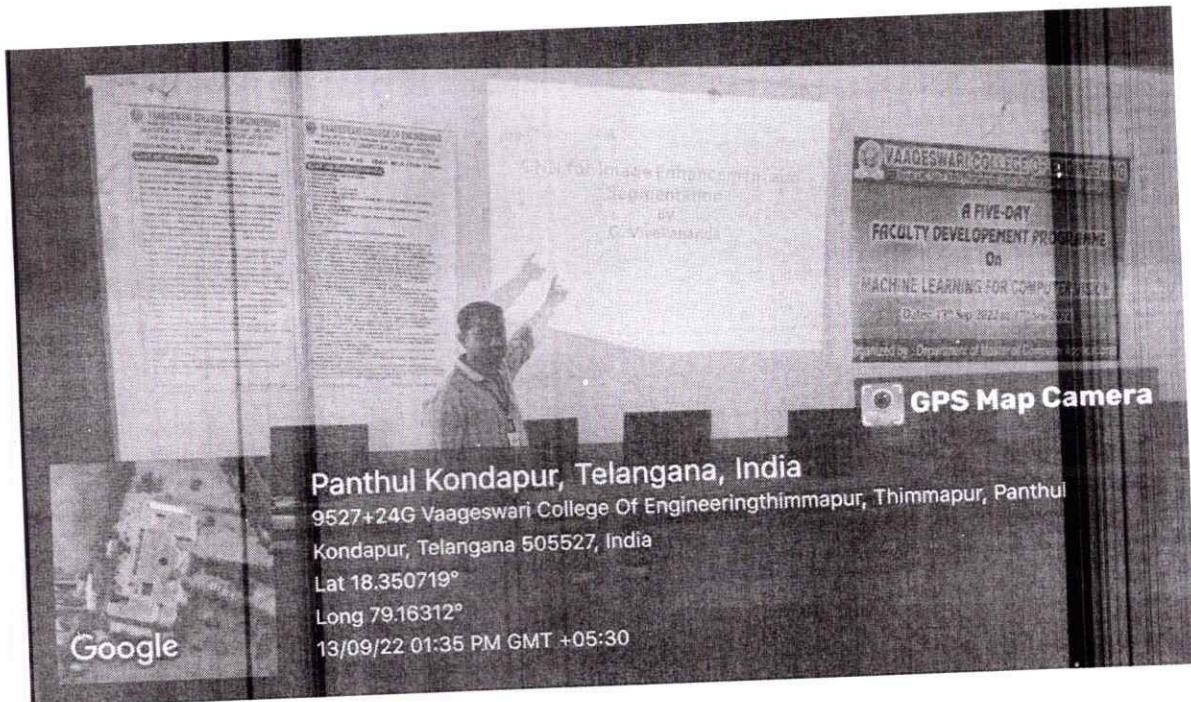
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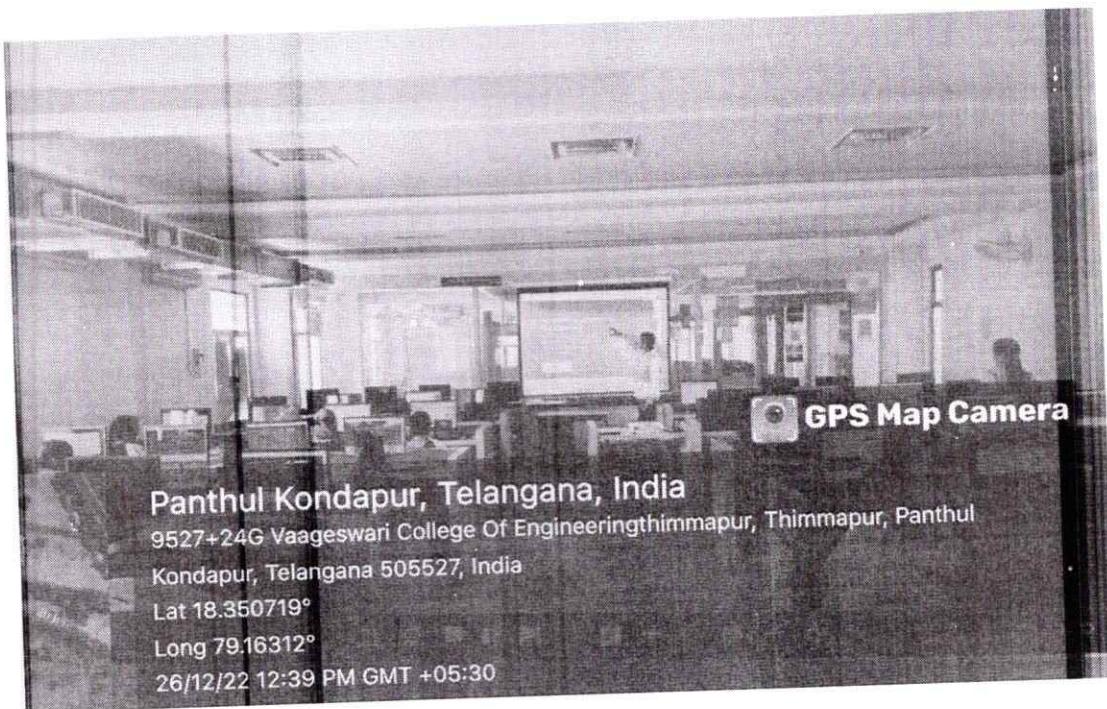
G. Vivekananda, Associate Professor, Department of MCA conducted Faculty Development program on "Machine Learning For Computer vision" for MCA II year II semester Students. (AY 2021-22)



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S,Sathish, Associate Professor, Department of CSE conducted Technical Skills on Placements for Btech Final Yaer Students. (AY 2021-22)

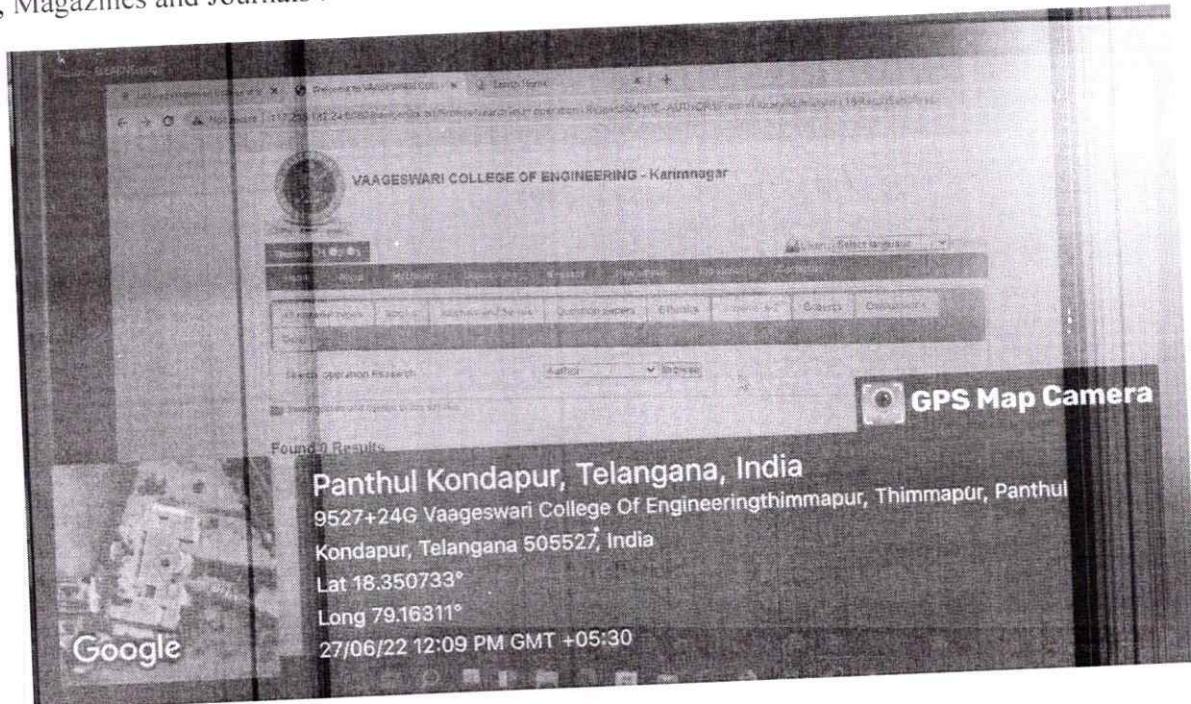



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6.E-learning

E-Learning: The institute allowed to access textbooks & References, Course Materials, Project reports, Magazines and Journals .

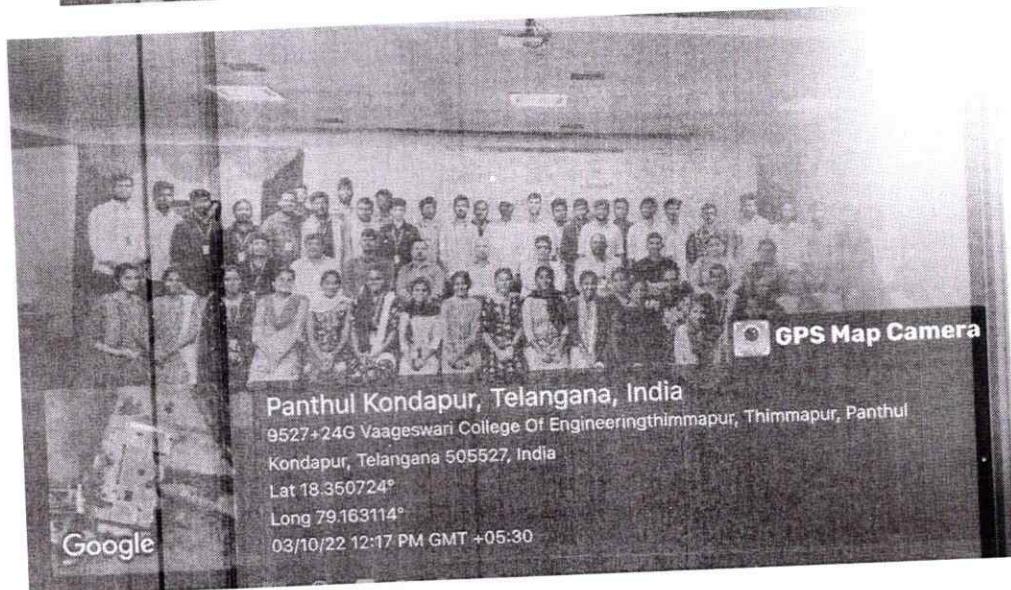


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7. Sample Copy of Participative Learning

Participative Learning: The Institute focuses on students in active involvement independently and interdependently through collaboration learning method.

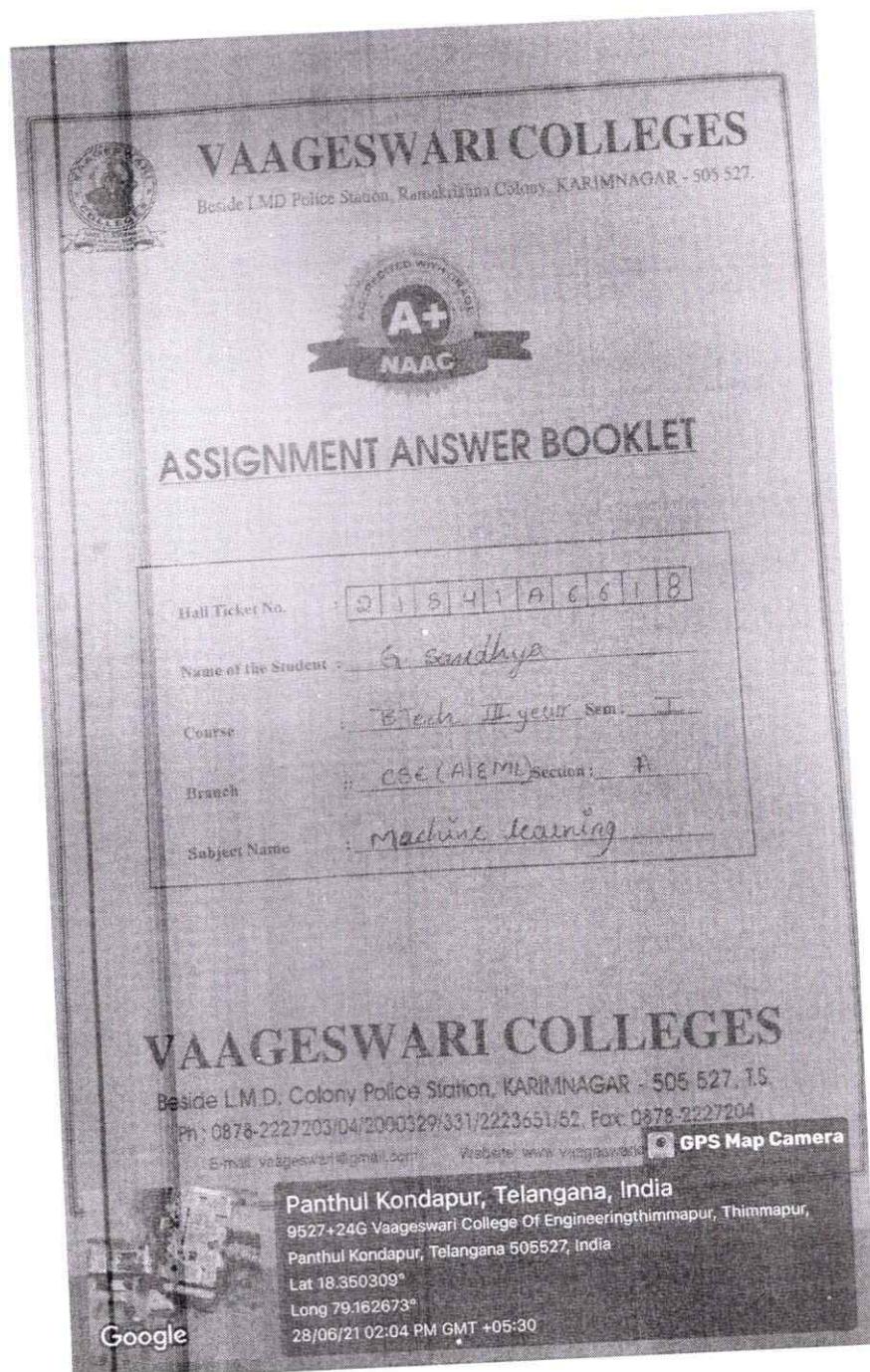
1. **Technical Club activities:** The institution has various professional Societies like IEEE, CSI, IEL, ISO, where the students actively participate in various activities.



Students of All branches, Joined in Youth Empowerment program on inaugural day of ICT Academy.

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7. Assignments and Quizz





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MARKS AWARDED

Q.No.	Assignment		Total	Sign with Date
	1	2		
1	5	5	10	 21/04/2021
2	3	3	6	 21/06/2021
3				
4				
5				
6				
7				
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D) Illustrate any 4 examples for well posed learning problem

WELL-POSED LEARNING PROBLEM

A computer program is said to learn from experience ϵ with respect to some class of tasks T and performance measure P :

If its performance at tasks in T , as measured by P , improves with experience ϵ .

Example :

A checker learning problem.

Task T : playing checkers

Performance measure P :

Percent of games won against opponents

Training experience ϵ :

Playing practice game against it self

Example 2:

A hand-writing recognition learning problem.

Task T :

Recognizing and classifying handwritten words within images

Task ϵ Performance measure P :

Percent of words correctly classified

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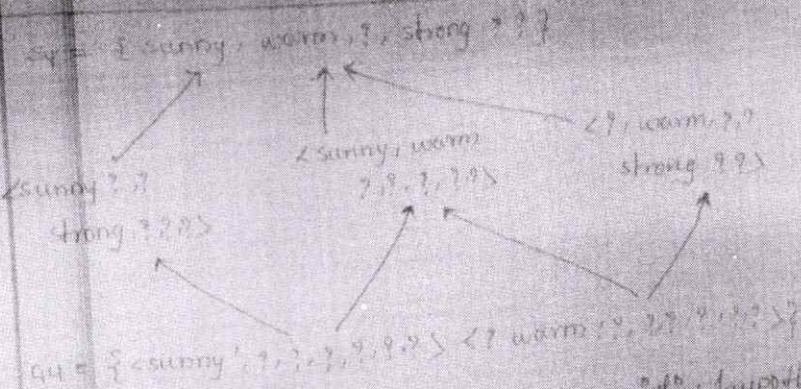
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4. explain finds: finding a maximum specific hypothesis in details

find -s algorithm:

1. Initialize to most specific hypothesis

$$h = \{0, 0, 0, 0, 0, 0\}$$

2. for each positive example

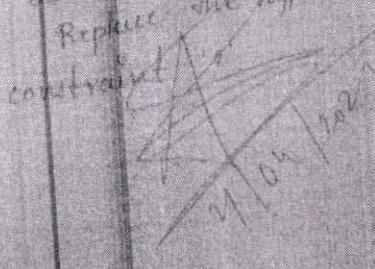
for each attribute in the example

if attribute value = hypothesis value

do nothing

else Replace the hypothesis value with more general

constraint



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Assignment - II

Selection, crossover and mutation operators in Genetic algorithms

The generation of successor for a GA is determined by a set of operators that recombine and mutate selected members of the parent population the two most common operators are

- crossover

- mutation

→ the crossover operator produces two new offspring from two parent strings by copying selected bits from each parent.

→ the bit at position in each offspring is copied from the bit at position i of the two parents the choice of which parent contributes the bit for position i is determined by an additional single-point crossover.

- two-point crossover

- uniform crossover

the mutation operator produces small random changes to the bit string by choosing a single bit at random then changing its value mutation often performed after crossover has been applied.

single point crossover:

→ a crossover point on the parent organism string is selected all data beyond that in the organism string is swapped b/w the two parent organisms.

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four point crossover

uniform crossover. Such genes are selected randomly from one of the corresponding genes at the parent chromosomes using one of a number of crossover techniques.

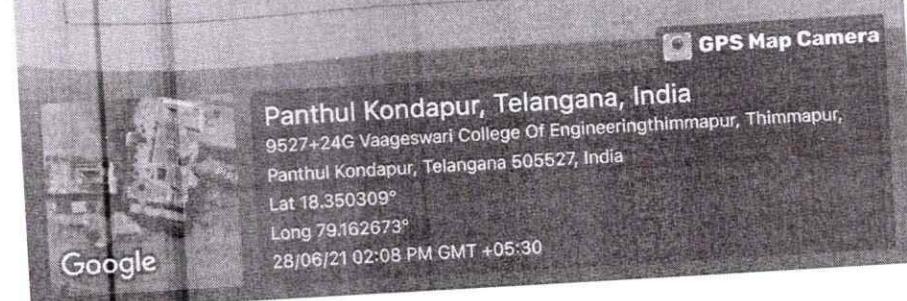
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10 00 110100100111010

uniform crosswise

mutation operators

mutation operators
 In simple terms mutation may be defined as a small random break in the chromosome to get a new site. It is used to maintain and introduce diversity in the genetic population and usually applied with a low probability. We describe some of the most commonly used mutation operators.

bit flip mutation
in this bit flip mutation we select one or more random
bits and flip them. this caused the binary code does



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VAAGESWARI COLLEGE OF ENGINEERING, KARIMNAGAR III B.Tech 1 SEMESTER I MID EXAMINATION May - 2022 FUNDAMENTALS OF MANAGEMENT FOR ENGINEERS (ECE, CIVIL and Mechanical Engineering) 06-05-2022 AN	
Time: 90min Answer Any TWO Questions. All Questions Carry Equal Marks. 1. What are the skills required to a manager? Explain 2. Make a note on Henry Fayol's principles of management 3. Write a brief note on planning process. Answer All Questions. All Questions Carry Equal Marks. 1. Choose the correct answer: 1. Which one is the following is not covered by the 5M's of Management? 1 C 4 a) Money b) Material c) Manager d) Machines 2. Who coined the term "POSDCORB" as Management functions 1 Q 7 a) Luther Gulick b) Henry Fayol c) Elton Mayo d) Maslow 3. What is "Esprit- de Corps" stand for? 1 L 1 a) Right thing right place b) Team Work/unity of strength c) Initiation d) Transfer 4. Who is regarded as father of "Scientific Management"? 1 C 4 a) F.W. Taylor b) Mc. Gregor c) Henry Fayol d) Charles Babbage 5. Who is regarded as father of "Modern Management"? 1 Q 10 a) F.W. Taylor b) Mc. Gregor c) Henry Fayol d) Charles Babbage 6. Planning involves 1 Q 11 a) Future course of action b) Review of past performance c) Analysis of policies d) None 7. Strategic Planning is undertaken at: 1 B 2 a) Lower Level b) Middle level c) Top level d) Functional Level 8. Process Management theory developed by: 1 C 5 a) Elton Mayo b) Maslow c) Robert Owen d) Henry Fayol 9. Hawthorne experiments conducted by: 1 C 3 a) Bernard b) Mc. Gregor c) Elton Mayo d) Charles Babbage 10. Which one of the following is NOT a one of the Fayol's 14 Principles of Management? 1 C 1 a) Authority b) Remuneration c) Goal d) Unity of Command	20x1/2=10 5x2=10
II Fill in the Blanks 11. Job Specification function aim at selecting right person for right job 12. "Deciding in Advance what is to be done in the future" is called Planning 13. The Father of Scientific Management Henry Fayol 14. M.B.O. Stands Management by Objectives 15. Elton Mayo is well known for his Human Relation Approach 16. Authority flows from Top to Bottom 17. Planning is done at all levels of management 18. Principles of management given by Henry Fayol 19. Planning is a long-term function of management 20. The time horizon for the long-term planning is 5-10 Years	

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