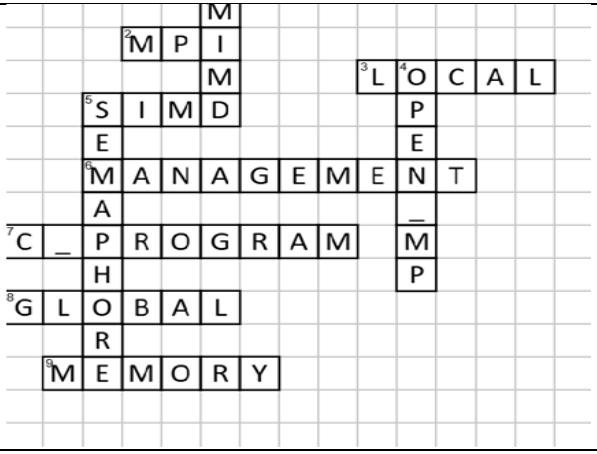
KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY

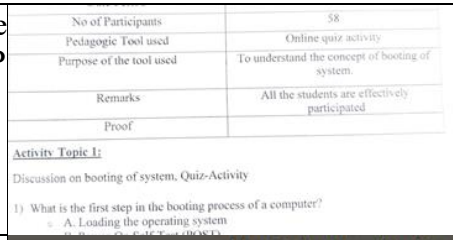
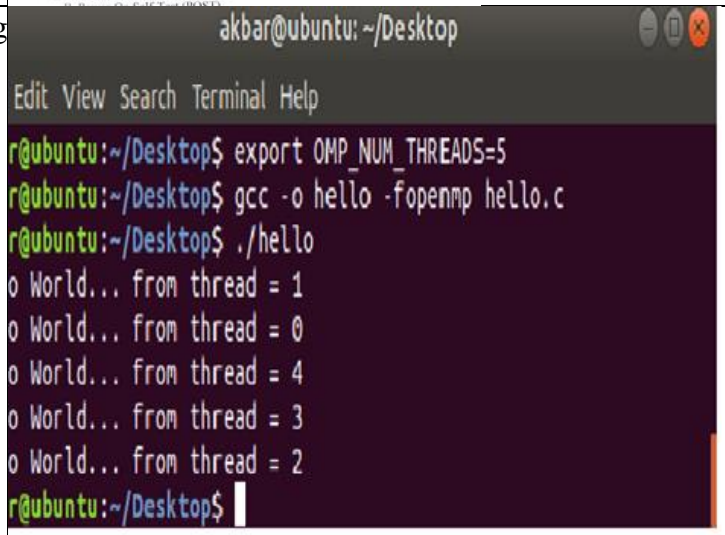
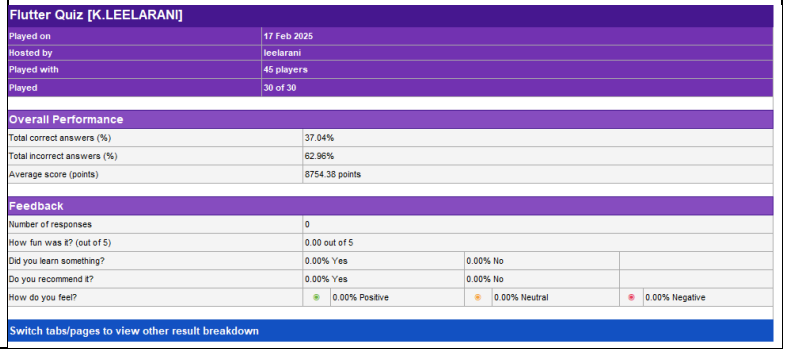
(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)
(Approved by AICTE,New Delhi)

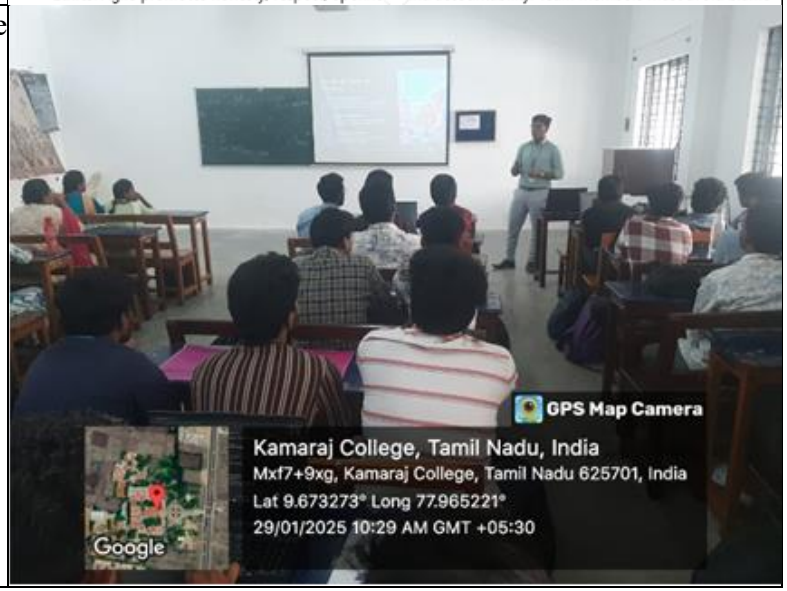
Department of Computer Science and Engineering

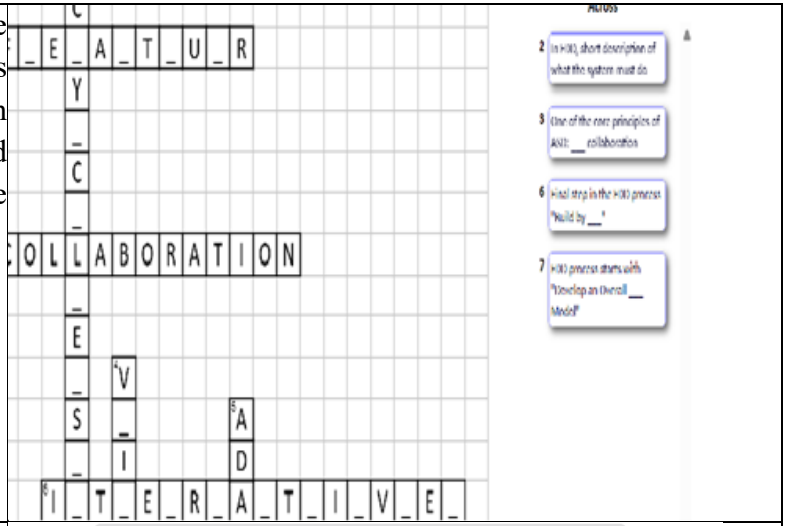
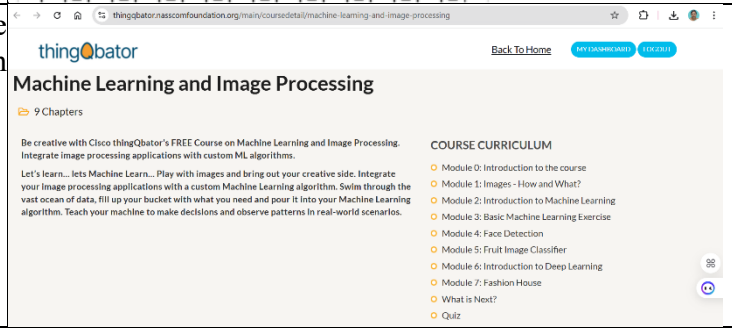
Active Learning Methods Followed in Class Room Teaching

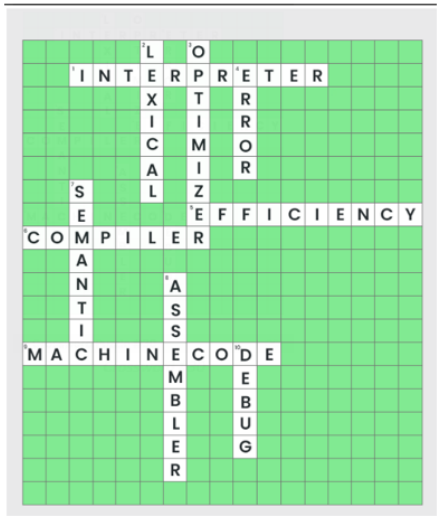
2024– 2025 [EVEN]

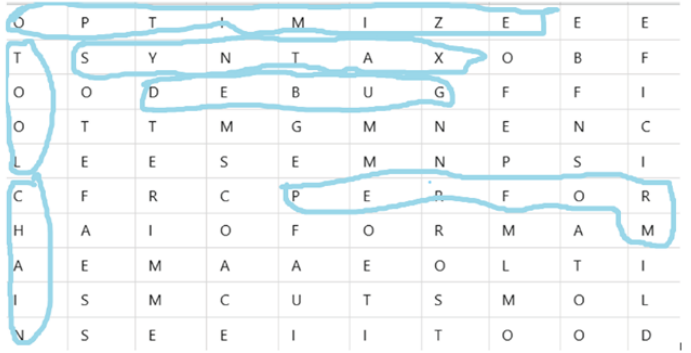
S. No.	Name of the faculty	Subject name with code	Pedagogical tool used(ICT tool / Other pedagogical tools like Jigsaw, Think-Pair-Share etc)	Number of student participants	Purpose of the tool used	Proof(photos)
1.	T.Divya	VCS336-Multicore Architecture	Cross Word Puzzle	23	To understand the basic information and key concepts about Memory management	

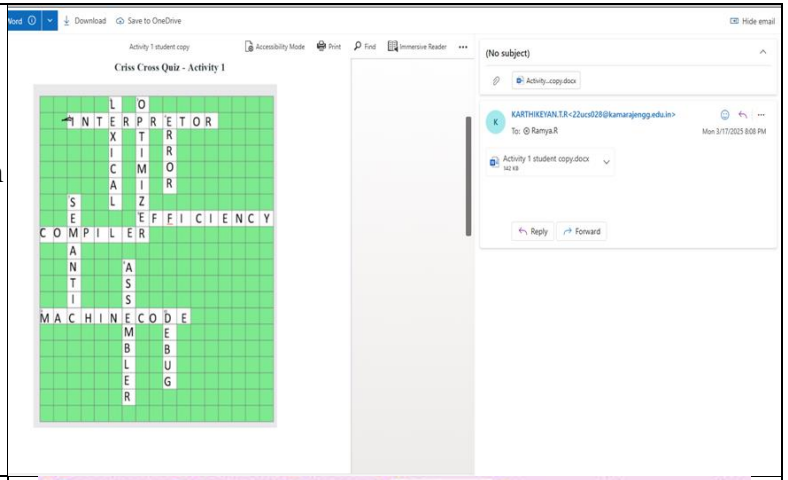
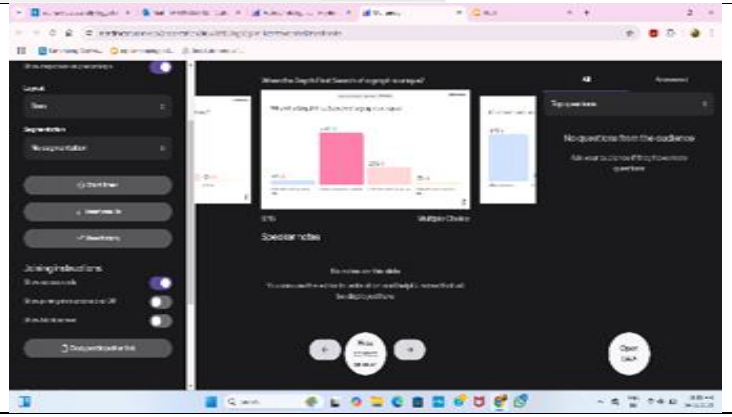
2.	T.Divya	VCS336-Multicore Architecture	Online quiz activity	23	To understand the concepts about OpenMP	
3.	T.Divya	VCS336-Multicore Architecture	Group Activity	23	To compile and Running c programs in OpenMP	
4.	Mrs.K.Leelarani	VCS325-Application Development using Flutter	Online quiz activity-Kahoot	45	The purpose of conducting a Kahoot quiz in **Flutter** is to assess students' understanding of core Flutter concepts in an engaging way.	

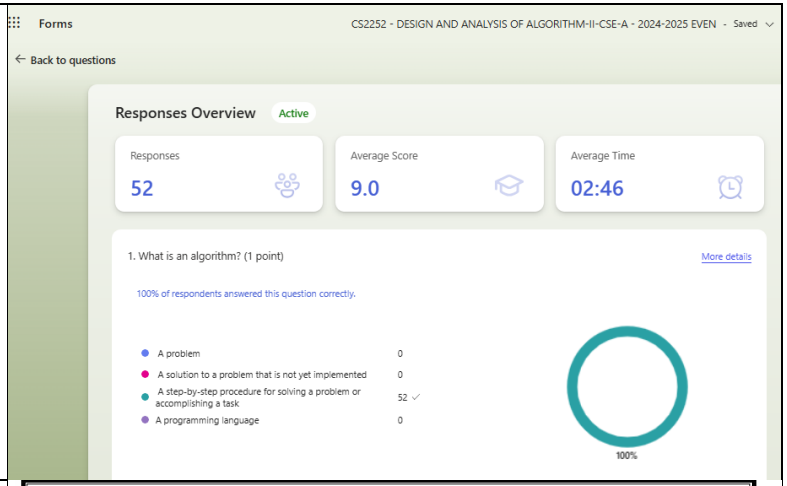
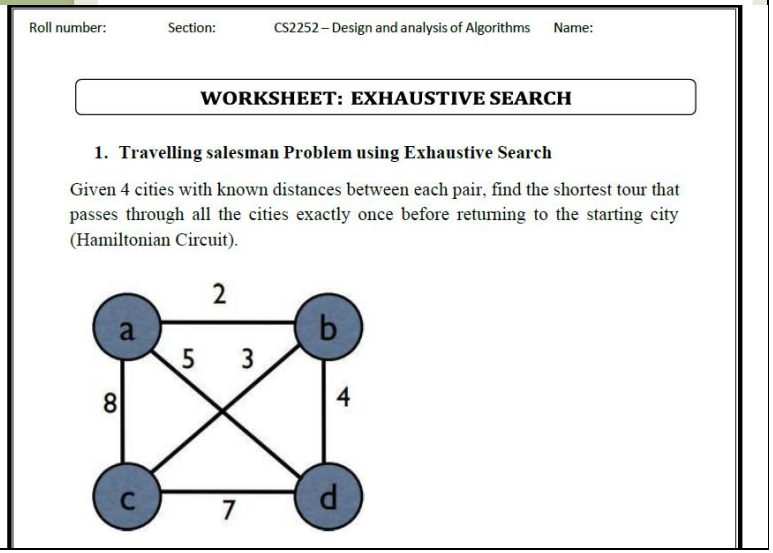
5.	Mrs.T.Divya	VCS321-Agile Project development with scrum	**Think-Pair-Share**	59	Defining Team interactions, ethics and design of Agility**: Think-Pair-Share**	**A1: Think–Pair–Share** **Think** In Agile software development, team interaction, ethics, and design are fundamental to project success. Agile values individuals and interactions over processes and tools, ensuring collaboration and communication. Ethical behavior promotes trust and transparency, while agility in design allows systems to evolve efficiently with changing requirements. **Pair** When team members discuss: • **Team Interactions**: Cross-functional teams work in short iterations (sprints), practicing daily stand-ups, retrospectives, and sprint planning to maintain alignment. • **Ethics**: Agile promotes honesty, respect, openne ↓ nd accountability. Team members must avoid blame
6.	Mrs.T.Divya	VCS321-Agile Project development with scrum	**Seminar**		Discussion on Agile knowledge sharing	

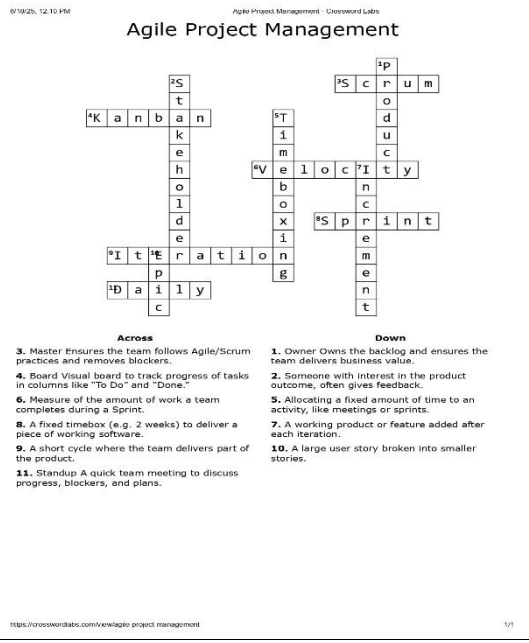
7.	T.Divya	VCS321-Agile Project development with scrum	**A3**: Puzzle	59	Generate the Puzzle based on the techniques of Feature Driven Development and Adaptive Software development	
8.	Mrs.K.Muthulakshmi	VCS342-Image Processing	Online Course – CISCO Thinqbator	49	To understand image processing concepts in detail	

9.	Mrs.K.Muthulakshmi	CS2351-Theory of Computation and Compiler Design	Criss Cross Quiz	62	To understand the fundamental terms in Compiler design.	**CS2351 – THEORY OF COMPUTATION AND COMPILER DESIGN LABORATORY** **CLASS/SEMESTER: III CSE / VI SEM** **Criss Cross Quiz - Activity 1**  **ACROSS:** **1.** An _____ converts high-level language into low-level machine language, just like a compiler. 5. The _____ of Compiled programs are generally more than interpreted programs because the machine code produced by the compiler is optimized for the specific hardware platform on which it will run. 6. The _____ also checks for other semantic errors, such as undeclared variables

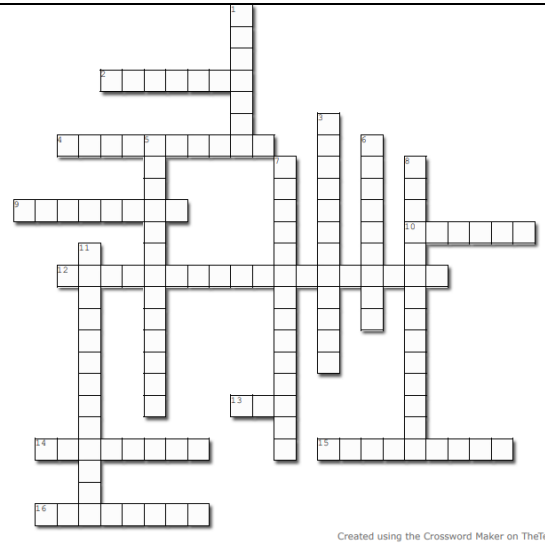
			Word Search	62	To understand the fundamental terms in Theory of computation	KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY (An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI) S.P.G.Chidambara Nadar - C.Nagammal Campus S.P.G.C. Nagar, K.Vellakulam – 625 701 (Near VIRUDHUNAGAR). **CS2351 – THEORY OF COMPUTATION AND COMPILER DESIGN LABORATORY** **CLASS/SEMESTER: III CSE / VI SEM** **Word Search - Activity 1** OPTIMIZEEE TSYNTAXOBF OODEBUGFFI OTTMGMNENC LEESEMNPSI CFRCPERFOR HAIOFORMAM AEMAAEOLTI ISMCUTSMOL NSEEIITOOD **Hidden Words List** 1. Optimize (Row 1, Columns 1-8) 2. Syntax (Row 2, Columns 2-7) 3. Debug (Row 3, Columns 3-8) 4. Efficient (Row 4, Columns 4-10) 5. Semantic (Row 5, Columns 4-11) 6. Perform (Row 6, Columns 5-11) 7. Compile (Row 7, Columns 5-11) 8. Automate (Row 8, Columns 6-13)
10.	Dr.R.Ramya	CS2351-Theory of Computation and Compiler Design	Word Puzzle	62	To provide students with an opportunity to evaluate their knowledge and require students to pay attention to terminology as they need to spell each word correctly.	From SELVAKUMAR.T <22ucs083@kamarajengg.edu.in> Date Mon 3/17/2025 4:22 PM To Ramya.R <ramyacse@kamarajengg.edu.in> 

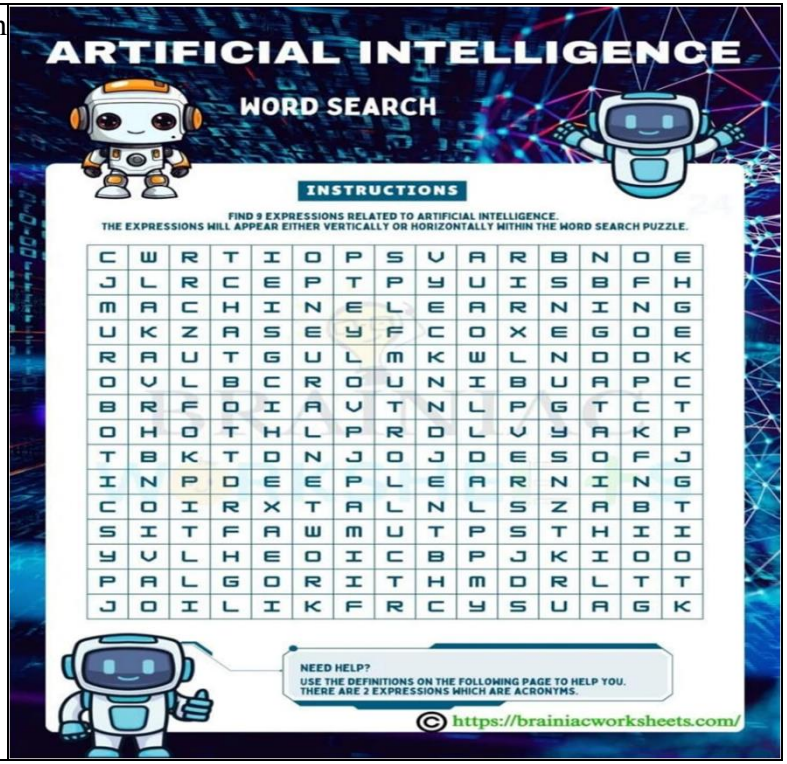
11.	Dr.R.Ramya	CS2351-Theory of Computation and Compiler Design	Cross word Puzzle	62	To provide students with an opportunity to evaluate their knowledge and require students to pay attention to terminology as they need to spell each word correctly.	
12.	Mr. S.Ram Prasath	AI2201 – Artificial Intelligence	Quiz Polling - Mentimeter	44	Clear knowledge about Local Searching Algorithm in AI (Informed & Un-Informed Search)	

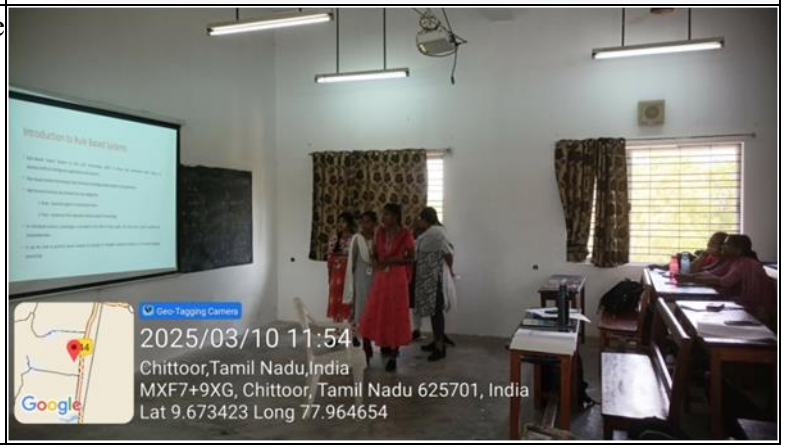
13.	Mrs.S.Athi lakshmi	CS2252 – Design and Analysis of Algorithms	Quiz	52	To give the depth knowledge on introduction to design and analysis of algorithms	
14.	Mrs.S.Athi lakshmi	CS2252 – Design and Analysis of Algorithms	Worksheet (Fill the Gap)	59	To give more practice on algorithm design approaches	

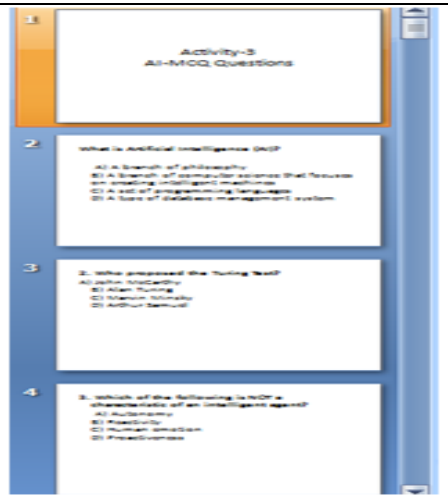
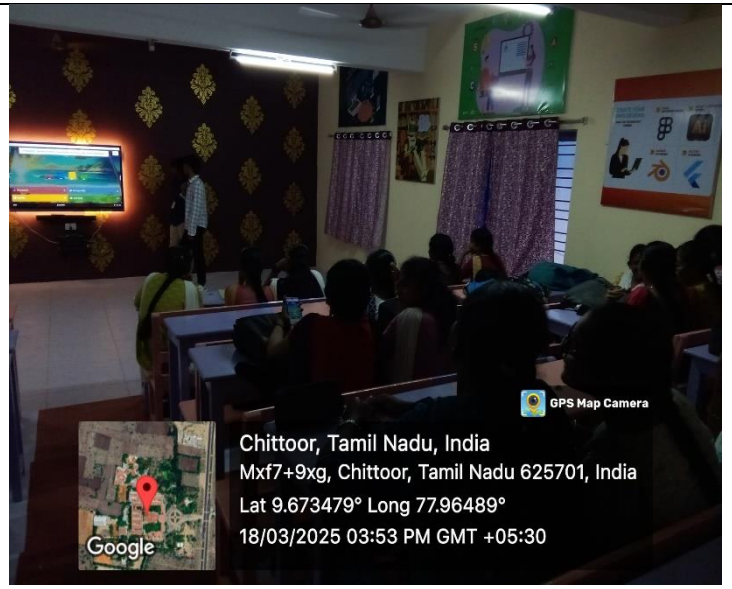
15.	Mrs.S.Athi lakshmi	CS2252 – Design and Analysis of Algorithms	Seminar	54	To enhance the practice of peer learning	
16.	Mrs.K.PRIYA DHARSHINI	VCS321-Agile Project development with scrum	**A3**: Puzzle	59	Generate the Puzzles based on important concepts in Agile Frame Work	

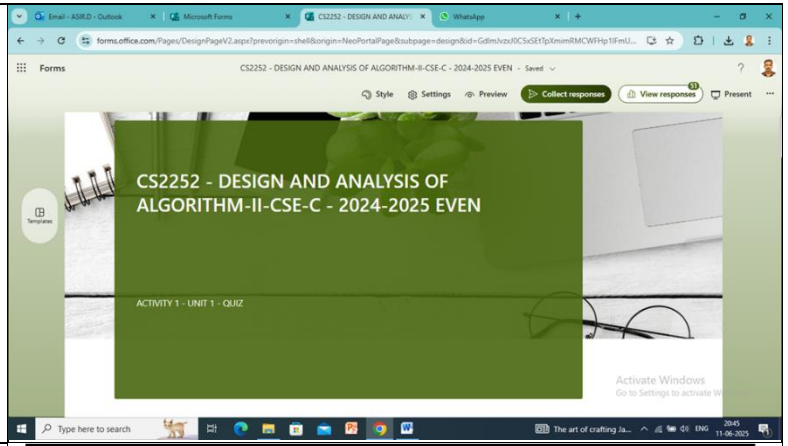
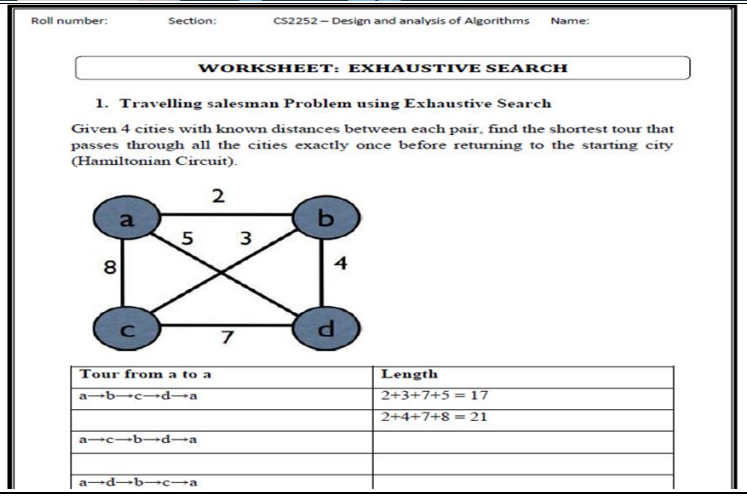
17.	Mrs.X. Ignatius Selvarani	VCS323-Rest Framework for Business Applications	Online Quiz	51	It enhances a student's learning. Also, it makes it fun and interactive, keeping participants engaged and motivated	
18.	Mrs.X. Ignatius Selvarani	VCS315-Natural Language Processing Essentials	Word Serach	27	To improve the brain activity of the student	

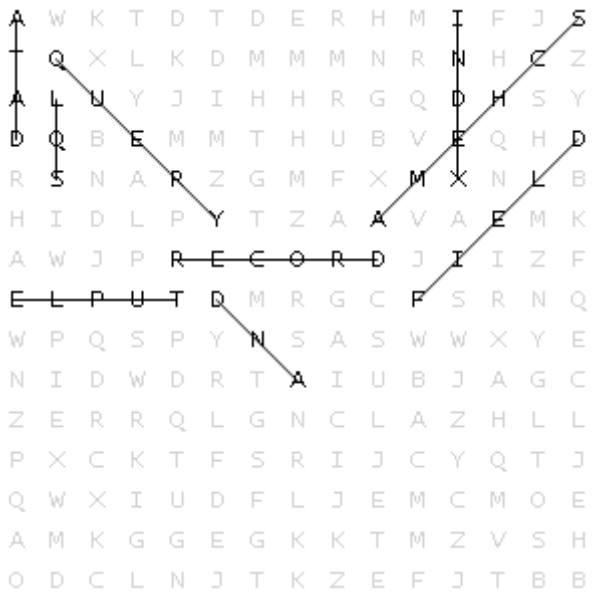
19.	Mrs.X. Ignatius Selvarani	VCS315-Natural Language Processing Essentials	Crossword Puzzle	27	To encourage the students to recollect the word level Analysis concepts	 Created using the Crossword Maker on TheTeachersCorner.n **Across** **2.** A lexical database for the English language **4.** A common evaluation metric for language models that compares predicted text to actual text **9.** A relationship between a word and its broader category **10.** A set of synonyms in WordNet **12.** The task of identifying the sentiment expressed in a piece of text **13.** The act of determining the meaning of a word in context **14.** A relationship where words have opposite meanings **15.** The study of meaning in language **16.** Words that have similar meanings **Down** **1.** A framework for generating human-like text responses **3.** The first step in analyzing text, often involving splitting into sentences or words **5.** The technique used to reduce a word to its base form **6.** A type of hierarchical relationship in WordNet **7.** A model that predicts the next word in a sentence **8.** The process of categorizing words by their meanings **11.** The process of converting text into numerical vectors

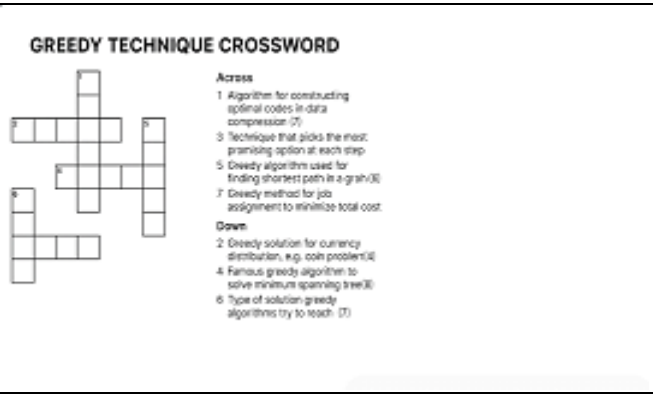
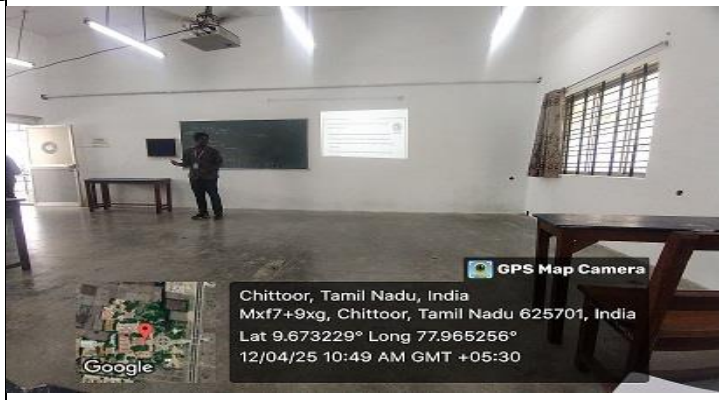
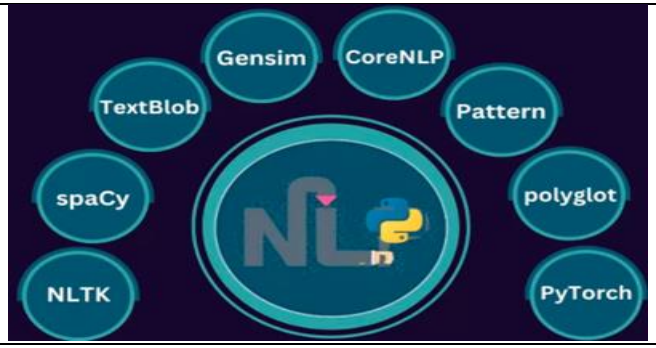
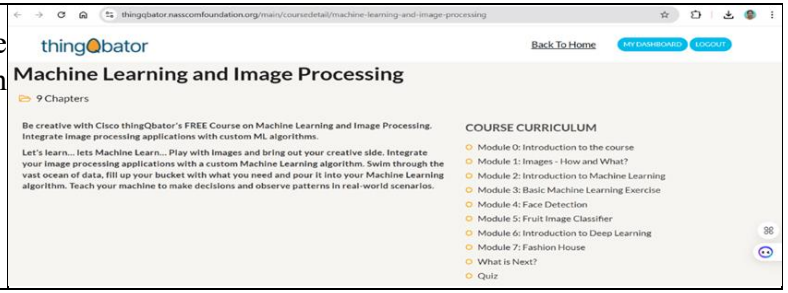
20.	M.Mohana	AI2201-Artificial Intelligence	Word Search	58	To improve the brain activity of the student	

21.	M.Mohana	AI2201-Artificial Intelligence	Word Search	58	To improve the brain activity of the student	
22.	M.Mohana	AI2201-Artificial Intelligence	Seminar	58	To enhance the practice of peer learning	

23.	M.Mohana	AI2201-Artificial Intelligence	MCQ Questions	58	To explore acquired knowledge	
24.	G.Rohinipriya	CS2251 - Database Management Systems	Online Quiz	57	It enhances a student's learning. Also, it makes it fun and interactive, keeping participants engaged and motivated	

25.	Mr. D. Asir	CS2252 – Design and Analysis of Algorithms	Quiz	51	To give the depth knowledge on introduction to design and analysis of algorithms	
26.	Mr. D. Asir	CS2252 – Design and Analysis of Algorithms	Worksheet (Fill the Gap)	52	To give more practice on algorithm design approaches	

27.	G.Rohinipriya	CS2251 - Database Management Systems	Crossword Puzzle	58	To encourage the students to recollect the word level Analysis concepts	 1.SQL 2.Field 3.Record 4.Query 5.Index 6.Schema 7.Tuple and 8.Data.
28.	S. Janani	CS2252 – Design and Analysis of Algorithms	Word Scramble	52	To recollect the key terms	Word Scramble RANBIY CHARSE BINARY SEARCH ERGEM TORS MERGE SORT KUICQ OTRS QUICK SORT TOLCESS RAIP CLOSEST PAIR NSIRNEVIO CTNUO INVERSION COUNT KAPE IDFINGN PEAK FINDING RAMSTE ETOREMH MASTER THEOREM CNRCRUEERE NATREOLI RECURRENCE RELATION ITEM TECPMLYXIO TIME COMPLEXITY ERCIVUSRE TUCNFNOI RECURSIVE FUNCTION

29.	S.Janani	CS2252 – Design and Analysis of Algorithms	Crossword Puzzle	55	To memorize the key terms with definition	
30.	E.Vijayalakshmi	VCS347-Digital Marketing	Seminar	51	To enhance the practice of semiar presentation and knowledge sharing.	
31.	G.Sundararaju	VCS316 Information retrieval	Natural language processing libraries	62	Presentation to motivate students to learn NLP -- Introduction To NLP and **library** like Gensim	

32.	G.Sundararaju	VCS313 Image analysis and computer vision	CISCO Thinqbator online course	39	To understand image processing concepts in detail