S.No	Activity Name	Subject	Objective	Outcome	Benefited Students Count
1	Crossword Puzzle	Machine Learning	To help students remember important terms and concepts like types of learning, data preprocessing, and model evaluation in a fun way.	Students will recall and understand key ideas in Machine Learning, making it easier to apply them in real-world scenarios.	50
2		Cloud Computing	To make students familiar with cloud services, deployment models, and cloud-based technologies through an engaging activity.	Students will understand cloud computing basics and how different cloud services work.	53
3		Current Trends in Computing	To introduce students to new technologies like IoT, blockchain, and AI trends in an interesting way.	Students will become aware of the latest technologies and their uses in the real world.	71
4		Java Programming	To help students learn Java concepts like syntax, OOP principles, and basic programming techniques through word-based challenges.	Students will improve their understanding of Java programming, making it easier to write and debug code.	63
5		Software Project Management and Testing	To help students learn about project planning, software development steps, and testing methods in an interactive way.	Students will understand how software projects are managed and tested before final use.	51
6		Artificial Intelligence	To help students understand AI concepts like machine learning, expert systems, and NLP in a fun and engaging way.	Students will gain a basic understanding of AI and its applications in daily life.	52
7		Operating System	To help students remember key operating system concepts like process management, memory management, file systems, and scheduling algorithms in a fun and interactive way.	Students will recall and understand fundamental OS concepts, making it easier to apply them in real-world scenarios.	53
8	Flipped Classroom	Current Trends in Computing	To allow students to explore new technologies like AI, IoT, blockchain, and quantum computing through self-study before	Students will gain a deeper understanding of emerging technologies by actively participating in discussions and	70

Innovative teaching practices

S.No	Activity Name	Subject	Objective	Outcome	Benefited Students Count
			class and discuss applications during class.	applying concepts to real-world scenarios.	
9		Software Engineering and Testing	To help students learn software development models, testing techniques, and quality assurance through pre-class reading and in-class problem-solving activities.	Students will better understand software development and testing methods by analyzing case studies and solving real-world problems.	55
10		Advanced Web Technology	To enable students to explore modern web technologies, frameworks, and tools before class and engage in hands-on coding and discussions during class.	Students will improve their web development skills by applying concepts in practical tasks and collaborative learning activities.	60
11	Research Paper Preparation & Presentation	Research Methodology	To help students understand the process of writing a research paper, including topic selection, literature review, methodology, analysis, and presentation.	Students will develop research skills, learn how to structure a research paper, and effectively present their findings.	58
12	Group Discussion	Software Engineering and Testing	To encourage students to discuss key topics like software development models, testing techniques, and project management practices, improving their understanding through peer learning.	Students will enhance their critical thinking, communication skills, and ability to analyze different perspectives on software engineering and testing concepts.	51
13	Role Play Activity	Software Engineering and Testing	To help students understand real-world software development roles (e.g., developer, tester, project manager, client) by acting out different scenarios in software engineering and testing.	Students will gain practical insights into software development and testing processes, improving teamwork, problem-solving, and communication skills.	54
14	Think and Pair	Software Project Management and Testing	To encourage students to think critically about project management concepts, testing strategies, and best practices before	Students will develop a deeper understanding of software project management, testing processes, and will improve their	48

S.No	Activity Name	Subject	Objective	Outcome	Benefited Students Count
			discussing and sharing ideas with a partner.	collaboration and communication skills.	
15	Mind Map	Software Project Management and Testing	To help students visually organize and connect key concepts of software project management, testing techniques, and SDLC processes.	Students will improve their understanding of the relationship between project management phases, testing stages, and overall software development, making complex ideas easier to grasp.	49
16	Fishbone Diagram	Object-Orient ed Programming	To help students identify and visualize the root causes of common problems in OOP concepts (like inheritance, polymorphism, and encapsulation) and understand their interconnections.	Students will develop a clearer understanding of OOP issues and how to address them, improving their problem-solving and coding skills.	43
17		Advanced Web Technology	To help students identify the key factors affecting web development challenges, such as performance, security, and scalability in advanced web technologies.	Students will gain insights into web development issues and solutions, improving their ability to design and troubleshoot web applications.	60
18	Poster Making: Visual Voice: Poster Presentation on Cloud	Cloud Computing	To encourage students to visually represent key concepts of cloud computing, such as cloud architecture, services (IaaS, PaaS, SaaS), and deployment models.	Students will be able to explain cloud computing concepts clearly and creatively, improving both their understanding and presentation skills.	30
19	Poster Making: Data Science in Practice: Transformative Insights and Applications	Data Science	To enable students to visually explore and showcase how data science transforms industries through applications like predictive analytics, machine learning, and data-driven decision-making.	Students will gain a deeper understanding of data science applications and be able to present them effectively in a real-world context.	43
20	Word Search Puzzle	Cloud Computing	To help students identify and remember important cloud computing terms like IaaS, PaaS, SaaS,	Students will recognize and recall key cloud computing concepts, making it easier to	46

S.No	Activity Name	Subject	Objective	Outcome	Benefited Students Count
			virtualization, and cloud deployment models in a fun way.	understand cloud services and their applications.	
21	Brainstorming	Current Trends in Computing	To encourage students to think creatively and discuss emerging technologies like AI, IoT, blockchain, and quantum computing.	Students will develop critical thinking skills, explore new computing trends, and understand their impact on various industries.	70