

KGISL INSTITUTE OF TECHNOLOGY

(Affiliated to ANNA University, Chennai and Approved by AICTE, New Delhi)

Recognized by UGC, Accredited by NBA (B.Tech-IT)



KGiSL Campus, 365, Thudiyalur Road, Saravanampatti, Coimbatore – 641035

INTERNAL QUALITY ASSURANCE CELL (IQAC)

Implementation details of Innovative Teaching Practices

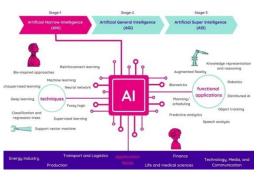
Year / Semester / Section: III / VI / B	Degree & Branch: B.E. CSE
Course Code: CS8691	Course Name: Artificial Intelligence
Unit: 1	Tonia, Tunical Intelligent Agents
Activity Chosen: Mind Map	Topic: Typical Intelligent Agents

Details of the Implementation:

- Faculty explains about typical intelligent agents in the classroom and assigns a problem to the students.
- Based on the discussion, the faculty guides the students to draw a mind map for the given topic.
- Each student will create a mind map for the given scenario by visual representation.
- Faculty collects the sheet from the students once they complete it.
- Faculty records their proceedings and measure students' progress before and after implementation

PO	PO1	PO2	PO9	PO10	•	
Relevance	2	1	1	1		

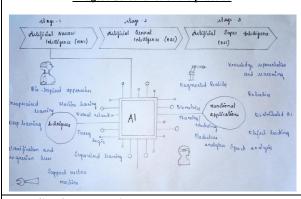
Images / Screenshot of the practice



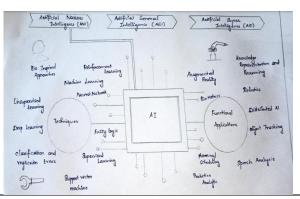
Images / Screenshot of the practice



Images / Screenshot of the practice



Images / Screenshot of the practice



Benefit of the practice:

This Mind Map is used for representing various agents in artificial intelligence. As a result, this activity will assist students in identifying the theoretical concepts in the image as well as aid in easy recall for their exams.



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Implementation details of Innovative Teaching Practices

Year / Semester / Section: III / VI / B	Degree & Branch: B.E. CSE	
Course Code: CS8603	Course Name: Distributed System	
Unit: IV	Topic: Issues in Failure Recovery	
Activity Chosen: Mind Map	Date & Period:07.04.2022 & 6th Hour	

Details of the Implementation:

- Faculty explains the issues in failure recovery topics in the classroom and assigns a problem to the students.
- Based on the discussion, the faculty guides the students to draw a mind map for the distributed system.
- Each student will create a mind map for the given scenario by visual representation with all terminologies in a distributed system.
- Faculty collects the sheet from the students once they complete and finally faculty explain the all terminologies in distributed system which relates to failure recovery

• Faculty records their proceedings and measures students' progress before and after implementation.

PO	PO1	PO2	PO3	PO9	PO10	
Relevance	3	2	1	3	3	

Images / Screenshot of the practice Functional distribution 鞫 Heterogeneity Software Inherent distribution in application Vertical Geographic distribution Scalability Distributed 2 Horizontal Load distribution Fair scheduling Physical isolation Concurrency Preserve dependencies System evolution Avoid deadlocks Asynchronous Autonomous 🧱 Authentication Non-blocking Authorization Pull - Request/Response Message passing Integrity Push - Publish/Subscribe Security Distributed Systems Communicate & Coordinate 🎜 Availability Leader election Accounting Mutual exclusion No global clocks No global state Single System Image (SSI) Replication Location transparency 🜟 Fault tolerance Crash recovery Access transparency Transparent 🔑 Failure transparency Availability Replication transparency Community driven Unstructured Migration transparency Topology Structured Hybrid

Benefit of the practice:

A Mind Map is a diagram for representing various terminologies in distributed systems and relates failure recovery. Visual representation of the process between various components. As a result, this activity will assist students in identifying the important aspects that relate to failure recovery in distributed systems.