



Department of Artificial Intelligence and Data Science

Academic Year 2025 – 2026 (Even Semester)

Degree, Semester & Branch: B.Tech, IV & Artificial Intelligence and Data Science

Course Code & Title: AL3452 & Operating Systems

Name of the Faculty member (s): Dr.S.V.Anandhi

Innovative Practice Description

- **Unit / Topic:** Unit 2 / Threads
- **Course Outcome:** CO 2
- **Topic Learning Outcome:** TLO 11
- **Activity Chosen:** Mind Map
- **Justification:**

A Mind Map is a brainstorming technique used to visually imagine information into a hierarchy (or) It is a visual tool used to organize information, ideas, concepts, or tasks in a hierarchical and interconnected manner. It's a graphical representation that starts with a central idea or topic and branches out into related subtopics or categories. Students to easily recall information.

Time Allotted for the Activity: 45 minutes

- **Details of the Implementation:**
Facilitate better understanding of Thread state and Multithreading models. Easy to explore new ideas and thought Threads regarding how to draw Multithreading models.
- **CO – PO / PSO mapping:**

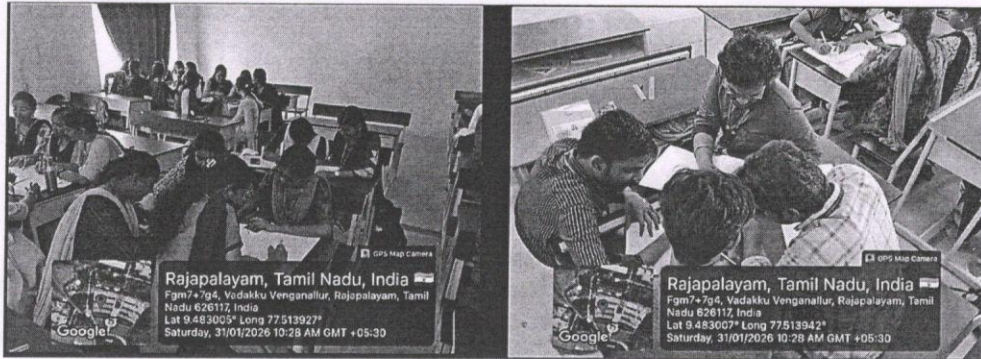
CO	PO1	PO5	PO8	PSO1	PSO2
CO2	3	3	2	3	2

(1 – Low 2 – Moderate 3 – High)

- **PO / PSO mapped:**

Innovative practice	PO1	PO5	PO8	PSO1	PSO2
	3	3	2	3	2
Justification for correlation	Able to apply Theory and Principles of Operating Systems concepts to understand the Threads.	Demonstrate the various Multithreading models using for a given task	Use the Thread management with ethics code of conduct to prevent the scheduling problems.	Students can be able to apply the Multithreading models to achieve the meaningful insights	Demonstrate the various threading models using for a given task

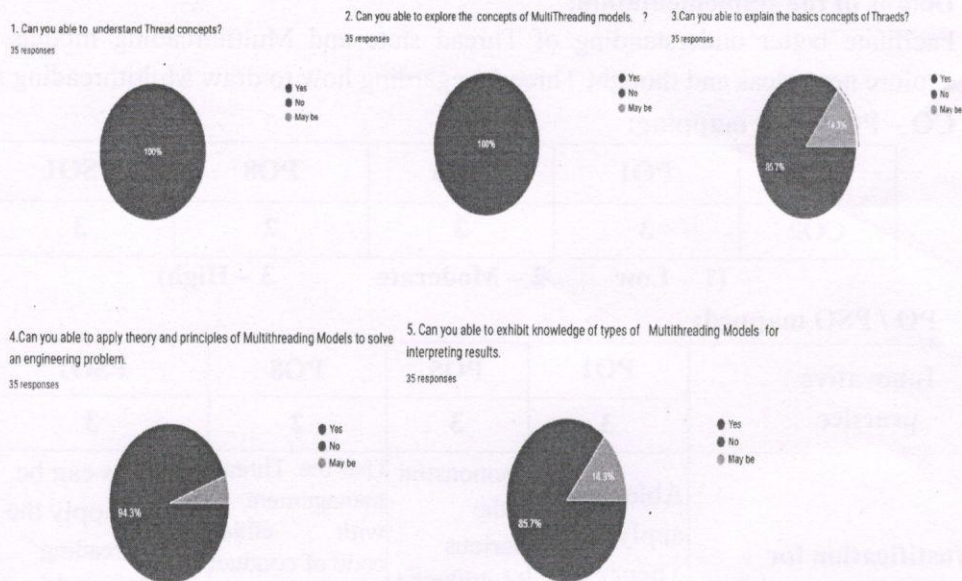
- Images / Screenshot of the practice:



- Reflective Critique:

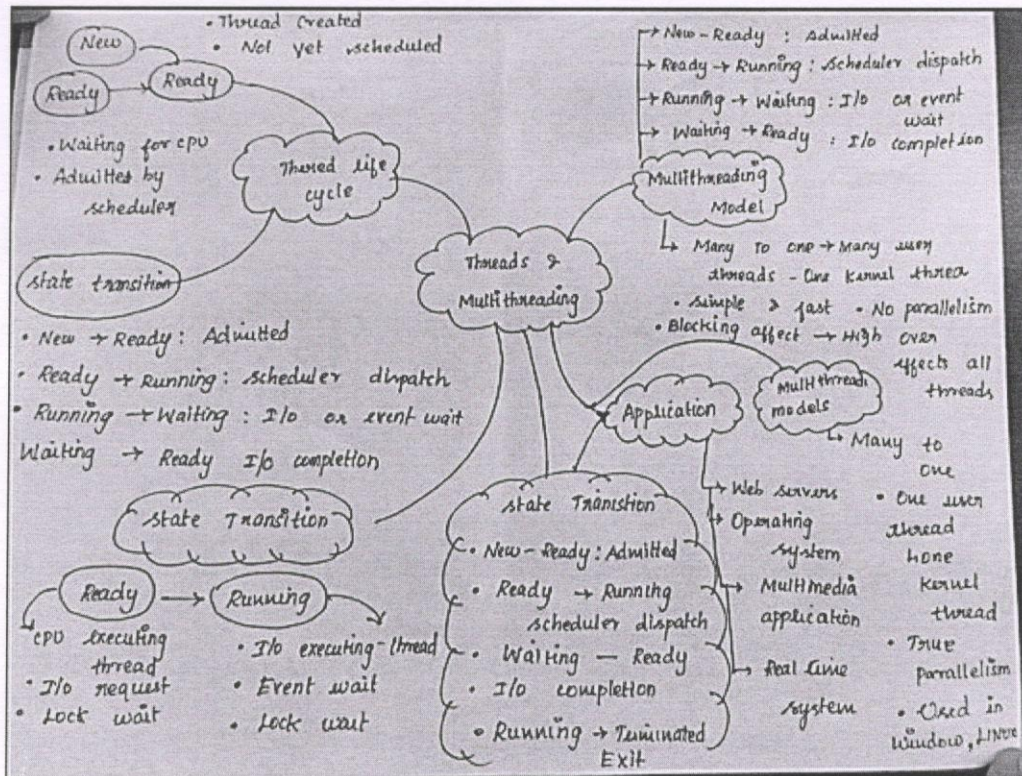
- ❖ *Feedback of practice from students and other stakeholders:*

Students were asked me to conduct such activities for forth coming classes.



- ❖ *Benefit of the practice:* (E.g.: Outcome attainment would have increased due to innovative practice over conventional practice)

By conducting mind map activity, it enhances productivity, creativity, and overall well-being by providing a structured and visual approach to organizing information and ideas. They will also be able to reproduce the concepts in the exam. The students gave oral feedback that now they got a clear idea about Thread diagram, and they asked to conduct more such activities like this.



❖ **Challenges faced in implementation:**

some students may struggle with visual representation and Creating detailed mind maps requires significant time and effort.

References:

- <https://www.mural.co/blog/mind-mapping>
- <https://creately.com/diagram/example/jny5uy7t/mind-map-for-workflow-improvement>

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HoD