



Department of Artificial Intelligence and Data Science Academic Year 2023 – 2024 (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): Mrs. B. Revathi

Innovative Practice Description

- **Unit / Topic:** Unit 2 / Process States
- **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 Process state and relationships between different states. Easy to explore new ideas and thought processes regarding how to draw process flow from to another using suitable states (New, Running, Ready, Waiting, Resume)

• **CO – PO / PSO mapping:**

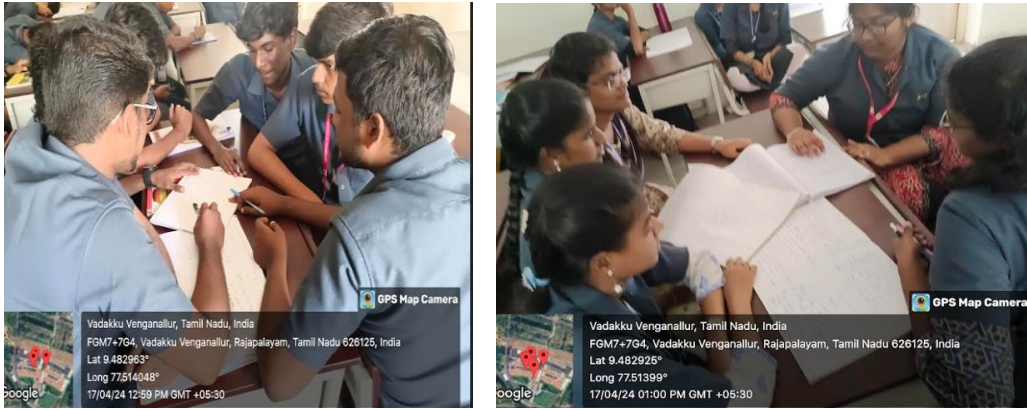
| CO | PO1 | PO3 | PO4 | PSO1 |
|-----|-----|-----|-----|------|
| CO2 | 3 | 1 | 1 | 3 |

(1 – Low 2 – Moderate 3 – High)

• **PO / PSO mapped:**

| Innovative practice | PO1 | PSO1 |
|--------------------------------------|--|--|
| | 3 | 3 |
| Justification for correlation | Able to apply Theory and Principles of Operating Systems concepts to understand the Process States | Students can be able to apply the Process Management Life cycle to achieve the meaningful insights |

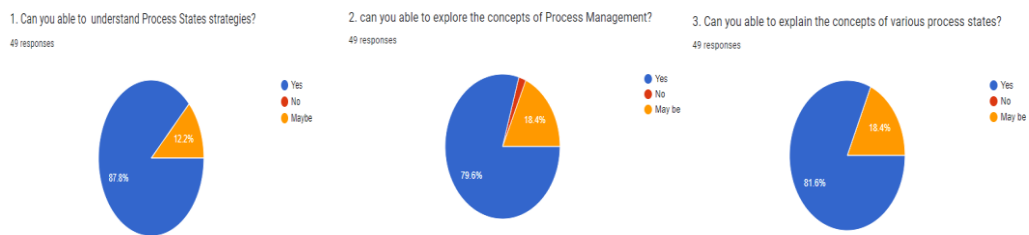
- **Images / Screenshot of the practice:**



- **Reflective Critique:**

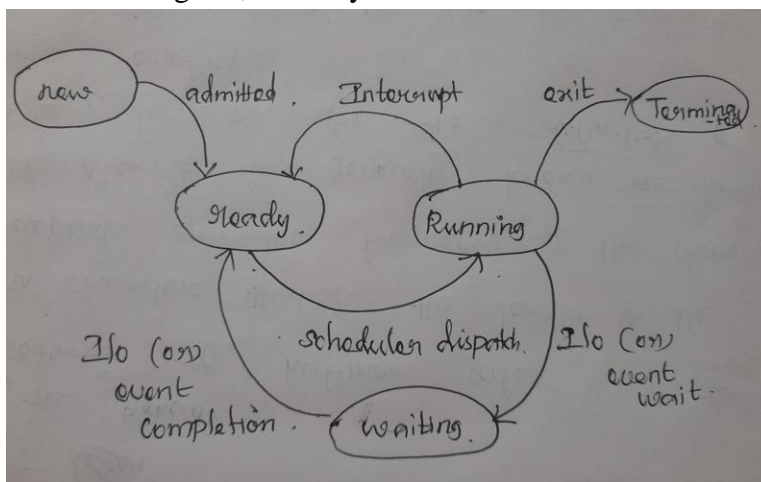
- ❖ **Feedback of practice from students and other stakeholders:**

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 Process state transition 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>

B. R. H. 17/4/24
Signature of Faculty Member

W. M. K. 17/4/24
HOD