PET ENGINEERING COLLEGE

ISO 9001:2015 Certified Institution

Approved by AICTE, Recognized by Government of Tamil Nadu and Affiliated to Anna University

Department of Computer Science and Engineering

Academic Year 2021 – 2022 (Odd Semester)

Date:

Degree, Semester & Branch: V Semester B.E.

Course Code & Title: EC8691/ Microprocessors and Microcontrollers

Name of the Faculty member: Mrs.Y. Roja Begam, AP/CSE

Innovative Practice Description

- **Unit / Topic:** Unit III / Assembly Language Programming
- **Course Outcome:** CO 4
- **Activity Chosen: Visual Clicker**
- **Justification:**

1. Differentiate the type of Assembly Language Programming
    - After teaching the concept, I thought of conducting this activity for making the students to give the difference between Assembly Language Programming which enhance the learning level and as a teacher I can judge the understanding level of the students.

Time Allotted for the Activity: 6 Minutes

After teaching the concept of assembly Language programming, the students were made to pair with their neighbors

Total Strength is 36,

Number of Pairs – minimum 3 in one team

Reporter: Myself

At the end the Class (Last 6 minutes)

- ✓ I asked the students to think about assembly Language programming concept for 1 minute.
- ✓ Then I told them to Pair with their neighbors and discuss for another 1 minute.
- ✓ With the help of PPT prepared (Multiple choice questions) students use their clickers to respond to the question and then the answers were be projected to the students.
- ✓ After completion of the class I uploaded the PPT in the course website (Canvas)

- **CO – PO / PSO mapping:**

CO	PO1	PO2	PO3	PO5	PSO1
CO4	3	1	1	1	1

❖ *Reflective Critique:*

1. Pre-implementation Reflection:

- I preferred this Activity because they have assembly language programming seprately.

Challenges anticipated:

- Time utilization for conducting activity.

2. Post implementation Reflection:

Benefits:

- Students understood the concept which was reflected from their answers for the questions I have asked during discussion session.

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

- ✓ The assessment of effectiveness of the activity was felt when told most of the points.
- ✓ While conducting the activity, I understood that the students will be able to explain the concepts of assembly language programming.