PET ENGINEERING COLLEGE

An 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)
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 / Addressing modes concept of 8051
- **Course Outcome:** CO 4
- **Activity Chosen: Visual Clicker**
- **Justification:**
  1. Differentiate the type of Addressing modes of 8051
     - After teaching the concept, I thought of conducting this activity for making the students to give the difference between the 5 types of addressing mode 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 8051, 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 8051 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 8051 separately.

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 8051.

✓ The success of the activity was evaluated by asking the same question in Internal Assessment test II – Around 50% of students answered.

Signature of Faculty Member **HOD**