

**RAMCO INSTITUTE OF TECHNOLOGY**

**Department of Mechanical Engineering**

**Academic Year 2021 – 2022 (Odd Semester)**

**Innovative practice(s) description**

**Course code and title** : ME8595 Thermal Engineering- II

**Name of the Instructor(s)** : Mr.M.Ashok Kumar, AP (SG)/Mechanical  
Dr.V.Sivakumar, ASP/Mechanical

**Date & Time** : 07.12.2021 & 1.20 PM to 02.10 PM

**Theory to Practice Window Air conditioning system – working and identification of components**

To explain the working of any machine and engine to the students, Theory to practice (T2P) is one of the best methods. In the subject ME8595 Thermal Engineering-II the Unit V is Refrigeration and Air conditioning, it is important to the student that they should be able to identify the components of Window air conditioning system and understand the working of the same. Based on that only the students will be able to apply their ideas in order to improve the COP of the Air conditioning system and that may also be helpful to decide the Design and fabrication project title in that field of Refrigeration and Air conditioning. Through this activity all the students were clarifying doubts in working and components identification of window Air conditioner which is available in Engineering Practice Laboratory of Mechanical Engineering Department.



**OUTCOME:**

- The students will be able to identifying the components and explain the working of window Air conditioner

This activity helps in attaining the following CO – PO & PSO mapping:

<b>Course Outcome / Programme Outcome</b>	<b>PO1</b>	<b>PO9</b>	<b>PSO3</b>
CO6 – Displays all the components of window air conditioning and describe the operation using T-s plot.	2	1	3