



Department of Mechanical Engineering
Innovative Teaching Methods

Activity Title	Poster Presentation
Faculty Name/Department	Mr. Muhammad Irfan A A / Mechanical Engineering
Mapped Course Name & Code	ME 3391 Engineering Thermodynamics
Date	22.09.2022
Benefitted Students (Year / Sem / Dept)	II / III / MECH
Topic	Laws of Thermodynamics
Description	Poster Presentation Makes the student to get idea on the concept especially Numerical subject likes Laws of Thermodynamics than a classroom teaching.
Course Outcomes (CO)	CO1- Apply the zeroth and first law of thermodynamics by formulating temperature scales and calculating the property changes in closed and open engineering systems.
Performance Indicator (PI)	1.3.1
Mail ID (for review)	mech.irfan@msajce-edu.in
Sample Poster made by Students	<p>LAWS OF THERMODYNAMICS</p> <p>FAMILIARIZATION</p> <ul style="list-style-type: none">•The zeroth law of thermodynamics, which underlies the definition of temperature.•The first law of thermodynamics, which mandates conservation of energy, and states in particular that heat is a form of energy.•The second law of thermodynamics, which states that the entropy of the universe always increases, or (equivalently) that perpetual motion machines are impossible.•The third law of thermodynamics, which concerns the entropy of an object at absolute zero temperature, and implies that it is impossible to cool a system all the way to exactly absolute zero.

**Students Name List & Topic:**

Group Name (if ITM is a group activity)	Reg No.	Topic	Marks
TEAM A	311821114001	Laws of Thermodynamics	25
	311821114002		
	311821114003		
	311821114004		
	311821114005		
	311821114006		
TEAM B	311821114007		20
	311821114009		
	311821114010		
	311821114011		
	311821114012		
	311821114014		
TEAM C	311821114015		20
	311821114016		
	311821114017		
	311821114018		
	311821114301		
	311821114302		
TEAM D	311821114303		25
	311821114304		
	311821114305		
	311821114306		
	311821114307		
	311821114701		

Outcomes:

Students can be well versed in both traditional Laws of Thermodynamics concepts, and the newest advancements in application. Also, they can solve numerical concepts on Laws of Thermodynamics.