



# Simulator Requirement Specification

Department Name	MECHANICAL.
Class	B.TECH
Semester	VII
Subject Name	REFRIGERATION AND AIR CONDITIONING
Experiment No.	01
Experiment Name	TRAIL ON VAPOUR COMPRESSION REFRIGERATION SYSTEM

## Version History

Sr . N o.	Version Number	Created By	Approved By	Date
1	v1.0	BA Name	Faculty Name	DD/MM/YYYY
	V1.0	SANDESH ANIL KAMBLE	Prof. SWAROOP BORE SIR	07/10/2020



## Detailed Requirement Specification

Req. ID	Visual Entity Required	Requirement Description	Comments
REQ1	One switch	We need one switch to start the experiment	
REQ2	One switch	For start the compression valve	
REQ2	Temperature Nob	For measuring the temperature T1, T2, T3..upto 5	in cc
REQ3	Temperature measuring digital display	To display the temperature when adjusting the nob up to 5	in cc
REQ4	Suction pressure	Take the reading of suction pressure when nob adjusting from T1 ,T2.....T5	In bar
REQ5	Discharge Pressure	Take the reading of suction pressure when nob adjusting from T1 ,T2.....T5	In bar
REQ6	Energy Meter digital display compression & Heater	For measuring the reading of energy meter after 10 revolutions of time	In sec
REQ7	Refrigerant Flow	Measuring the Refrigerant flow rate while adjusting the heat load	In LPH

REQ8	Refrigeration Effect	Heat load = Flow rate	