Simulator Requirement Specification

Department Name	MECHANICAL
Class	B.TECH
Semester	VII
Subject Name	REFRIGERATION AND AIR CONDITIONING
Experiment No.	02
Experiment Name	TRIAL ON DOMESTIC REFRIGERATION

Version History

Sr. No.	Version Number	Created By	Approved By	Date
1	v1.0	BA Name	Faculty Name	DD/MM/YYYY
1	V1.0	SANDESH ANIL KAMBLE	PROF.SWAROOPSINH BORE SIR	

	KIT's College of Engineering(Autonomous), Kolhapur

Detailed Requirement Specification

Req. ID	Visual Entity Required	Requirement Description	Comments
REQ1	ONE SWITCH	TURN ON THE SWITCH	FOR START THE EXPERIMENT
REQ 2	AMBIENT TEMPERATURE	USING THE DIGITAL DISPLAY RECORD THE READING OF AMBIEANT TEMPERATURE	In degree Celsius
REQ3	REFRIGERANT DISCHARGE TEMPERATURE	USING THE DIGITAL DISPLAY RECORD THE READING OF REFRIGERANT DISCHARGE TEMPERATURE	In degree Celsius
REQ4	TEMPERATURE OF REFRIGERANT AFTER CONDENSER	USING THE DIGITAL DISPLAY RECORD THE READING OF TEMPERATURE OF REFRIGERANT AFTER CONDENSER	In degree Celsius
REQ5	TEMPERATURE OF REFRIGERANT AFTER EXPANSION	USING THE DIGITAL DISPLAY RECORD THE TEMPERATURE OF REFRIGERANT AFTER EXPANSION	In degree Celsius
REQ6	TEMPERATURE OF REFRIGERANT AFTER EVAPORATOR	USING THE DIGITAL DISPLAY RECORD THE TEMP.OF REFRIGERANT AFTER EVAPORATOR	In degree Celsius
REQ7	AVERAGE CABINET TEMPERATURE	USING THE DIGITAL DISPLAY RECORD THE AVERAGE CABINET TEMPERATURE	In degree Celsius
REQ8	ENERGY METER READING OF COMPRESSOR	USING THE DIGITAL DISPLAY RECORD THE READING OF ENERGY METER	In sec
REQ9	ENERGY METER REDING OF HEATER	USING THE DIGITAL DISPLAY RECORD THE READING OF ENERGY METER	In sec

REQ10	SUCTION PRESSURE	USING THE DIGITAL DISPLAY RECORD THE READING OF SUCTION PRESSURE	In psi
REQ11	DISCHARGE PRESSURE	USING THE DIGITAL DISPLAY RECORD THE READING OF DISCHARGE PRESSURE	In psi

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