

DAYALBAGH EDUCATIONAL INSTITUTE
FACULTY OF ENGINEERING
THERMAL ENGINEERING LABORATORIES

HEAT ENGINES LABORATORY



Prof. D. Ganeshwar Rao

Lab-In-charge

Engineering (Mech. Engg.) with Honors, Ph. D.

Experience: 35 Years



Shri Anami Saran

Assistant Professor

M. Tech. (Engineering Systems)

Experience: 15 Years



Shri Anurag Gupta

Assistant Professor

M. Tech. (Engineering Systems)

Experience: 19 Years



Shri Satya Prakash

Demonstrator

B. Tech. (ME)

Experience: 16 Years



Shri Gurdas

Lab Assistant

ITI (MVM)

Experience: 16 Years



Shri Shabd Swaroop

Mechanic Grade- B

Diploma in Automobile Engineering

Experience: 5 Years



Shri Virendra Kumar

Lab. Attendant

Experience : 15 Years

REFRIGERATION & AIR CONDITIONING LABORATORY



Shri Ram Chand Gupta
Associate Professor, Lab-In-charge
M. Tech. (Engineering Systems)
Experience: 26 Years



Shri Shanti Sawaroop Sharma
Technician Grade-1
M. Tech. (Engineering Systems)
Experience: 5 Years

LIST OF MAJOR EQUIPMENTS OF THERMAL ENGINEERING LABORATORIES

Heat Engines Laboratory

Heat Engines Models



Ice Plant



Cold Storage



Boilers, mountings and accessories



Skoda Diesel Engine (90 HP)



2- Stage Reciprocating Compressor



Ruston Diesel Engine



Morse Test (Fiat Petrol Engine)



Skoda Diesel Engine (10 HP)



Vortex Tube Apparatus



Kubota Petrol Engine



Transparent Petrol Engine



Injector Testing Equipment



Petrol Engine (Cut Section Model)



Mini Steam Power Plant (Test Rig)



Separating And Throttling
Calorimeter



Rotary Compressor (Test Rig)



Model Of Evaporative Condenser



Model Of Jet Condenser



Model of Surface Condenser



Bio-Diesel Plant

Oil Expeller



Bio-Diesel Reactor



Decorticator



Bomb Calorimeter



Penske Martens Flash Point Apparatus



Redwood Viscometer



Cloud And Pour Point Apparatus

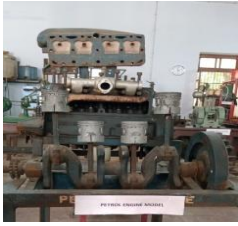


Aniline Point Apparatus



Automobile Laboratory

Petrol Engine Model



Battery/Coil Ignition System



Model of Chassis



Single Plate Clutch (Diaphragm type)



Sliding Mesh Gear Box



Constant Mesh Gear Box



Model of Differential



Steering System



Braking System



2-Stroke Petrol Engine (Motorized)



Refrigeration & Air Conditioning Laboratory

Air and Water Heat Pump Test Rig



Ice Plant Test Rig



Vapour Absorption Refrigeration System



Sealed Unit Domestic Refrigerator



Open Unit Domestic Refrigerator



Cascade Refrigeration Test Rig



Vapour Compression Cycle of Air Conditioner Test Rig



Charging Trolley

