Sanjay Ghodawat University, Kolhapur

Established as a State Private University under Govt. of Maharashtra Act no. XL dated 3rd May 2017

Empowering Lives Globally !

DEPARTMENT OF AEROSPACE ENGINEERING

PROPULSION LABORATORY

S.No	Equipment Name	Description	Equipment Photo
1	Aircraft jet engine	• MIG 21 parts • Inlet, compressor, Combustion Chamber, Turbine, Nozzle • Thrust augmentation methods • Blower size:70, 1HP, 230V AC	
2	Nozzle/Diffuser Flow Measurement	• Convergent nozzle :50mm dia, L=200mm throat area =40mm • Divergent nozzle: 40mm to 72 mm,L=130mm	
3	Free jet apparatus	• Blower • Digital velocity meter	

4	Wall jet apparatus	• Blower • Digital velocity meter	
5	Ramjet engine testing	• Air compressor • Fuel injector • Ignitors • Measurement of Temperatures • Temperature sensors	
6	Propeller test rig	• Propeller • Piston engine • Battery • Measuring the thrust	
7	Fuel Injection Characterization Test	• Four different kinds of fuel injectors • Fuel Pump with three Phase .5hp motor operated	

8	Solid Propellant Preparation and testing	• Propellent ingredients (chemicals) • Sugar Propellant	
9	Aircraft Piston engine	• 4-stroke • In Line Opposed Engine	