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

COMPOSITE MATERIALS LAB

S.No	Equipment Name	Description	Equipment Photo
1	**Computerized Axial Fatigue Test Machine**	• Capacity 80KN • Specimen Details • Thickness 4mm • Gauge Length 150mm • Hydraulic Loading • Tensile/Compression/Fatigue loading • Computerized Graph •	
2	**Universal Testing Machine**	• 180KN • Tensile /Compression Loading • Computerized Graph • Hydraulic Loading	
3.	**Glass, Carbon, Kevlar composite materials**	• Sample Preparation and Testing • LY556 • HY556 • Hand Lay up Method Kit	

3	**Hardness test machine**	**Rockwell hardness tester** • utilizes either a steel ball • conical diamond known as a brale • Dial Indicator. **Brinell hardness** • steel or carbide ball of diameter	
4	**Impact test Rig**	• Evaluate an object's capacity to withstand high-rate loading • Izod/Charphy • Wigth 14kg	
5	**Furnace**	• 1000 ^{0}C • Aluminium Fix Muffle Furnace 1000 Degree, Chamber Size (mm X mm X mm): 100 X 100 X 225 mm	