

Faculty of Mechanical Engineering

M.E. Aeronautical Engineering

(R 2017) Semester – I

AO5161 Aerodynamics Laboratory

(Requirements for a batch of 25 students)

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Subsonic wind tunnel	1		
2.	Rough and smooth cylinder	1		
3.	Symmetrical Cambered aerofoil	1		
4.	Wind tunnel balance	1		
5.	Schlieren system	1		
6.	Pressure Transducers	2		
7.	Supersonic wind tunnel	1		

Faculty of Mechanical Engineering

M.E. Aeronautical Engineering

(R 2017) Semester – II

AO5261 Structures Laboratory

(Requirements for a batch of 25 students)

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Constant strength beam setup	2		
2.	Column setup	2		
3.	Unsymmetrical Bending setup	2		
4.	Experimental setup for location of shear centre (open & close section)	2		
5.	Cantilever beam setup	2		
6.	Experimental setup for bending and torsional loads	2		
7.	Diffuser transmission type polariscope with accessories	1		
8.	Experimental setup for vibration of beams	1		
9.	Universal Testing Machine	1		
10.	Wagner beam setup	1		

Faculty of Mechanical Engineering

M.E. Aeronautical Engineering

(R 2017) Semester – II

AO5211 CFD / FEA LABORATORY

(Requirements for a batch of 25 students)

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Internal Server or Workstation	1		
2.	Computers	25		
3.	CAD Modelling Software	25		
4.	FEA Analysis Software	25		
5.	CFD Analysis Software	25		