

Faculty of Mechanical Engineering
M.E. Aerospace Technology
(R 2021) Semester - I

Course Code: AS4111 Course Title: Launch Vehicle Aerodynamics Laboratory		
Sl.No.	Description of Equipment	Required members (for batch of 25 students)
1.	Subsonic wind tunnel	1 No.
2.	Supersonic wind tunnel	1 No.
3.	3 (or) 6 Component Wind tunnel balance	1 No.
4.	Schlieren System	1 No.
5.	Pressure Transducer / Pressure scanner (1 psi)	1 No.
6.	Multitube Manometer	1 No.
7.	Pitot-Static Tube	1 No.
8.	Yaw probe	1 No.
9.	Swept wing model	1 No.
10.	Nose cone model	1 No.
11.	D model	1 No.
12.	Single Expansion Ramp Nozzle	1 No.
13.	Missile model	1 No.
14.	Backward facing step model	1 No.
15.	Sphere model	1 No.
16.	Semi-wedge model	1 No.
17.	Blunt body model	1 No.
18.	Flat plate with thermal boundary layer measurement setup	1 No.

Faculty of Mechanical Engineering
M.E. Aerospace Technology
(R 2021) Semester - I

Course Code: AS4112		Course Title: Space Propulsion Laboratory
Sl.No.	Description of Equipment	Required members (for batch of 25 students)
1.	High Speed Jet Test facility	1 No.
2.	Supersonic wind tunnel	1 No.
3.	Subsonic wind tunnel	1 No.
4.	Schlieren system	1 No.
5.	Pressure Transducer/Pressure scanner (16 psi)	1 No.
6.	C-D Nozzle	1 No.
7.	Supersonic diffuser	1 No.
8.	Pitot tube	1 No.
9.	3 Axis Traverse Mechanism	1 No.
10.	Pitot Static tube	1 No.
11.	Flame holder model	1 No.
12.	Non-circular combustor	1 No.
13.	Wide angle subsonic diffusers	1 No.
14.	Multitube Manometer	1 No.
15.	Compressor cascade blade setup with provision to change incidence angle	1 No.
16.	Cavity model with injections	1 No.
17.	Spike or Ramp type supersonic inlet	1 No.
18.	C-D Nozzle with wall pressure tapings	1 No.
19.	Blower	1 No.