

AERODYNAMICS AND PROPULSION LAB

II Semester: AEROSPACE ENGINEERING								
Course Code	Category	Hours / Week			Credits	Maximum Marks		
B27604	CC	L	T	P	C	CIE	SEE	Total
		-	-	3	5	30	70	100
Contact Classes: Nil	Tutorial Classes: Nil	Practical Classes: 36			Total Classes:36			
Course Outcomes:.								
Students will be able to:								
<ol style="list-style-type: none"> 1. Test the pressure distribution over different aerofoil sections. 2. Study the flow visualization techniques. 3. Determine the performance of IC engines 								
LIST OF EXPERIMENTS								
<ol style="list-style-type: none"> 1. Calibration of subsonic wind tunnel. 2. Pressure distribution over a smooth and rough cylinders 3. Pressure distribution over a symmetric aerofoil section 4. Pressure distribution over a cambered aerofoil section 5. Flow visualization studies in incompressible flows 6. I.C. Engines Air/Fuel Ratio and volumetric efficiency 7. I.C. Engines heat balance 8. I.C. Engines Performance test. 9. Flash and fire points of aviation fuel 								