

INFRASTRUCTURE FOR ENGINEERING MECHANICS LAB				
S.NO.	NAME OF THE EXPERIMENT	NAME OF THE EQUIPMENT/APPARATUS	MAKE	Qty
1	Parallelogram law of Forces (concurrent forces)	Drawing board, Two pulleys, Meter scale, Slotted weights	M/s. Scientific Enterprises, Hyderabad	2 each
2	verification of law of triangle of forces	Drawing board, Two pulleys, Meter scale, Slotted weights		2 each
3	verification of the law of polygon for co planner - con current forces	Universal force table ,Two pulleys, Meter scale, Slotted weights		2 each
4	determination of coefficient of static and rolling frictions			2
5	determination of Centre of gravity of different shaped plane lamina			2
6	verification of the conditions of equilibrium of a body under the action of co planner non concurrent ,parallel force system	Two pulleys, Meter scale, Slotted weights		2 each
7	study of the system of pulleys and draw the free body diagram of the system	Two pulleys, Meter scale, Slotted weights		2 each
8	Study of a compound pendulum determination of 'g' and 'k'	A bar pendulum, with knife-edge with a platform. Spirit level, Stop clock, Meter scale		2 each
9	moment of inertia of the compound pendulum	A bar pendulum, with knife-edge with a platform., Spirit level, Stop clock, Meter scale		2 each
10	Moment of Inertia of a fly wheel.	Fly wheel – fitted with counter ,Slotted weights - iron 2 ½ kg		2 each
11	verification of law of moment using rotation disc app and bell crank lever	Bell crank lever Weights ,spirit level ,Meter scale		
	TOTAL	40720		

