

THE LABORATORIES AND WORKSHOPS

Sr. No.	Name of Lab.	Worth Pkr Million*	Practicals Being Performed
1	Engineering Mechanics	0.3545	<ol style="list-style-type: none"> 1. Engineering Statics 2. Engineering Dynamics
2	Thermodynamics	17.47	<ol style="list-style-type: none"> 1. Applied Thermodynamics – I 2. Applied Thermodynamics-II 3. Power Plants 4. I. C. Engines
3	Drawing Hall	1.202	<ol style="list-style-type: none"> 1. Engineering Drawing and Graphics
4	Mechanics of Material	1.073	<ol style="list-style-type: none"> 1. Mechanics of Material- I 2. Mechanics of Materials- II 3. Engineering Materials
5	Fluid Mechanics/Hydraulics	12.074	<ol style="list-style-type: none"> 1. Fluid Mechanics 2. Hydraulics Machinery 3. Gas Dynamics 4. Fluid Mechanics - II
6	Machine Tool & Machining	Handed over to IE Deptt.	<ol style="list-style-type: none"> 1. Manufacturing Process – II

8	Modelling & Simulation Laboratory	3.039	<ol style="list-style-type: none"> 1. Control Engineering (MATLAB) 2. Finite Element Methods(ANSYS) 3. CAD/CAM (ABAQUS) 4. Machine Design (PRO/E)
9	Refrigeration & Air Conditioning	9.794	<ol style="list-style-type: none"> 1. Refrigeration & Air Conditioning 2. Heat and Mass Transfer
10	Work Shop	Handed over to IE Deptt.	<ol style="list-style-type: none"> 1. Work Shop Technology 2. Manufacturing Process – I
11	Advanced Manufacturing Systems Lab	35.6 Handed over to IE Deptt.	<ol style="list-style-type: none"> 1. Industrial Engineering-II 2. Advanced Manufacturing Systems 3. Manufacturing Process – I 4. Manufacturing Process - II
12	Fracture Mechanics Lab	26.4	<ol style="list-style-type: none"> 1. Engineering Materials 2. Mechanical Vibrations 3. Stress Analysis
13	Composite Materials & Smart Structures	2.594	<ol style="list-style-type: none"> 1. Composites (Post Grad Studies) 2. Nano Composites 3. Smart Structures
14	Energy Lab	23.217	<ol style="list-style-type: none"> 1. Solar PV/Thermal 2. Solar Air Conditioning

Total Worth = PkR 97.217 Million

Laboratory	Computers
Modeling & Simulation Lab	23
CAD Lab	18