



**DEPARTMENT OF DRILLING ENGINEERING  
ORISSA SCHOOL OF MINING ENGINEERING, KEONJHAR**



**LABORATORY NAME: BASIC MECHANICAL ENGINEERING  
EXPERIMENT DETAILS**

<b>EXPERIMENT NUMBER</b>	<b>EXPERIMENT DETAILS</b>
1	Study of Universal Testing Machine and determination of Young's Modulus of mild steel.
2	Compression testing on C.I., wood and concrete cubes by compression Testing machine.
3	Determination of bending stress in beam using gauge.
4	Determination of hardness of different metals.
5	Determination of impact strength of ductile materials.
6	Machines shop practice.
7	Study of Internal Combustion Engines.
8	Determination of M.A., V.R., Efficiency for Screw jack.
9	Moment of inertia of a flywheel.
10	Study of different types of Governors, (Watt, Porter and Hartnell).