

ENGINEERING MECHANICS LAB (P-23001)

- 1. Verification of the following laws:
 - a) Parallelogram law of forces**
 - b) Triangle law of forces**
 - c) Polygon law of forces****
- 2. To verify the forces in different members of Jib crane.**
- 3. To verify the reaction at the supports of a simply supported beam.**
- 4. To find the mechanical advantage, velocity ratio and efficiency in case of an inclined plane.**
- 5. To find the mechanical advantage, velocity ratio and efficiency of a screw jack.**
- 6. To find the mechanical advantage, velocity ratio and efficiency of worm wheel.**
- 7. To find mechanical advantage, velocity ratio and efficiency of a single purchase crab.**
- 8. To find out center of gravity of regular lamina.**
- 9. To find out center of gravity of irregular lamina.**
- 10. Verification of forces in a framed structure.**