Engineering Design Lab

1) Design of beam (circular section) under static load using different theory of failure.
2) Design of tapered beam (I-section) under static load using different theory of failure.
3) Design of bracket using Von-Mises theory.
4) Design of rivet under eccentric loading condition.
5) Design of cantilever beam subjected to completely reversing load.
6) Determine the life of machine components for cumulative damage using Miner's equation.
7) Determine the endurance strength of rotating beam subjected to completely reversed load.
8) Design of spur gear.
9) Design of helical gear.
10) Design of worm gear.