In this project, you are teamed with 2 of your classmates to analyze the stress and deformation of a 1 m long cantilever beam bending under a 3 kN point load at its end. Use ANSYS to create the geometry and mesh, solve and post-process the results. You may choose either an I-beam, hollow cylinder or hollow triangular tube as the cantilever beam. You may also choose the point where the load is acting on the cantilever beam end.

Deliverables

Hand in your work on a CD containing all relevant files.