Design and analysis of flange coupling

A coupling is a device used to connect two shafts together at their ends for the purpose of transmitting power. Each automobile has different power transmission system constructive features depend on vehicle’s driveline concept. While transmitting a torque different stresses are induced such as tensional stress & bending stress are experienced.

in this project design and analysis is carried out by using solid works with different loads to determine the stress, strain and deformation of flange coupling.