**Modeling of centrifugal clutch**

A clutch is a mechanical device that engages and disengages the power transmission, especially from driving shaft to drive shaft. Clutch system is among the main systems inside a vehicle. Clutch is a mechanical device located between a vehicle engine and its transmission and provides mechanical coupling between the engine and transmission input shaft. At high sliding velocity, excessive frictional heat is generated which lead to high temperature rise at the clutch disc surface because the vehicles using centrifugal clutch change of gears done automatically according to change of speed and it causes power losses and thermal cracking on disc.

In this project we design the centrifugal plate clutch in solid works premium 2014.