CONCLUSION OF THE THESIS :

The present project is an attempt to offer a new set of uncoupled differential equations in the theory of non-linear analysis of moderately thick isotropic plates. It is observed that numerical results showing the effects of shear deformation and rotatory inertia obtained from different tables for plates of different shapes are in excellent agreement with other known results. Moreover, results of movable as well as immovable edge conditions can be obtained from a single differential equation. This is also an additional advantage. Thus the proposed differential equations presented in the thesis are able to supply void in the literature of non-linear theory of moderately thick plates.