

**SOME STUDIES ON THE DYNAMIC STABILITY OF  
STRUCTURES INCLUDING THE EFFECT OF  
GEOMETRIC NONLINEARITY**

**A Thesis**

***Submitted***

*in partial fulfillment of the requirement for  
the award of the degree of*

**DOCTOR OF PHILOSOPHY**

In

**FACULTY OF MECHANICAL ENGINEERING**

By

**BHAVANASI SUBBA RATNAM**

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**RESEARCH AND DEVELOPMENT CELL**

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**OCTOBER 2012**



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