

CERTIFICATE

This is to certify that the thesis / dissertation entitled “**SOME STUDIES ON THE DYNAMIC STABILITY OF STRUCTURES INCLUDING THE EFFECT OF GEOMETRIC NONLINEARITY**” that is being submitted by *Sri. **Bhavanasi Subba Ratnam*** in partial fulfillment for the award of *Ph. D degree in Mechanical Engineering* to the *Jawaharlal Nehru Technological University Hyderabad* is a record of *bonafide work carried out by him* under our guidance and supervision.

The results embodied in this thesis have not been submitted to any other University or Institute for the award of any degree or diploma.

Signature of Co-Supervisor
Dr. G. Ranga Janardhana
Professor of Mechanical Engineering
University College of Engineering,
JNTUK, Kakinada-533 003.

Signature of Supervisor
Dr. G.V. Rao
Research Professor and Head,
Department of Mechanical Engg.
Vardhaman College of Engineering,
Shamshabad, Hyderabad-501 218