

PROJECT

DESIGN OF A TEST RIG FOR  
A VIBRATION ABSORBER

by

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Project report

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## SUMMARY

This project involves the design of a dynamic vibration absorber test rig that will be used in the H.T.I labs for carrying out an experiment with it.

The rig will help anybody to understand the effects of resonance and how vibration due to resonance can be isolated.

The rig can be used both undamped ,or damped with the use of an auxiliary damper.

The excitation is given by an unbalanced pulley, rotating by a speed controlled motor.

Also in this project a Laboratory sheet has been prepared for the students to carry out.

The complete design is given as well as the complete set of drawings showing every component to scale, so that the construction of the rig will be easily carried out.

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