

## About us

NV DYNAMICS is an ISO 9001:2000 certified, customer empowering company partnering with many Indian and Asian customers as their extended facility for testing, analysis and solutions in Noise, Vibration and related Engineering Dynamics

Our domain expertise in Noise & Vibration measurements, analysis, mitigation and turn-key solutions over the years have consolidated our position as a reliable resource partner for many industries in India and other countries.

NVD's strengths are a combination of applied expertise with strong theoretical base that makes us approach various challenging tasks with confidence and come out with some of the innovative solutions



### NV DYNAMICS

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# NV DYNAMICS

## Training & Team Development Centre

*One Day Training Program on*

### EXPERIMENTAL STRAIN MEASUREMENTS

*Understanding Basic Concepts & Measurement Aspects*

Date: 26-September-2008

Venue: Training centre, NV Dynamics Bangalore



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## About the Course

Life of a product, in its operational life cycle largely depends on the overall Dynamic forces that act on them; while Vibration is one the dominant indicator of failure; stresses and strain are of equal importance in estimating the fatigue life. While many virtual calculations are used for estimating the stresses, the physical testing assumes great importance in understanding many aspects of stress / strain concepts.

Focusing on the above, this one-day course has been designed for engineers and technicians to either have some background on the subject or who would like to move into this domain. The package is complete with classroom lectures, supported by demonstrations on strain measurements.

## Course Contents

### Lecture Session:

- Fundamentals of Stress and Strain
- Strain Measurement
- Basics of Strain Gauging
- Selection of Strain Gauges
- Pasting of Strain Gauges
- Strain Measurement Instrumentation
- Static Strain Measurements
- Dynamic Strain Measurements
- Impact Strain Measurements
- An Overview of Stress/Strain Analysis using FEA

### Demonstration Session:

1. Strain Gauge Pasting
2. Experimental Strain Measurements

### Q&A and Discussion

### Concluding Session

## Registration & Contact Information

### Course Fee:

**INR 4000/-** per participant + service tax at 12.36%

[**Group registration:** 10% discount for 3 or more participants from the same organization]

Fee includes Course Material, Tea / light snacks and working lunch.

### REGISTRATION DETAILS:

Email / FAX the following information followed by Cheque / DD drawn in favour of NV Dynamics, Bangalore on or before **15<sup>th</sup> September 2008**

*Name/s with email ID & Company/Address... to*

[ramya@nvdynamics.com](mailto:ramya@nvdynamics.com) OR

**FAX - 080 4161 0770**

Cheque / DD by Post / Courier to  
**NV Dynamics 704, 1<sup>st</sup> Floor, 5<sup>th</sup> Block HMT  
Vidyarayanyapura Bangalore-97 INDIA  
Tel: +91 80 4161 0660**

**The program is limited to 20 nominations and registration will be on first-come-first serve basis.**

**Right of registration restricted**