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Chapter 2: Overview of Experimental Stress

Analysis 1. Introduction 1 2. Analytical

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Direct Information Provided by Various

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Experimental Stress Analysis by

Prof.K.Ramesh, Department of Applied

Mechanics, IIT Madras. For more details on

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Mechanical - Experimental Stress Analysis -
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In engineering, stress analysis refers to the
uses of the methods to determine the stresses
and strains in materials and structures

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In addition it also provides the fundamental aspects of six different experimental techniques such as Moir é , Brittle Coatings, Holography, Speckle Methods, Thermoelastic Stress Analysis and Caustics.

Experimental Stress Analysis _ Introduction
Video

He has also given Video lectures of 40 hrs. each on Experimental Stress Analysis and Engineering Fracture Mechanics as part of the National Program for Technology Enhanced Learning (NPTEL), India. He has also developed innovative tools for teaching

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various courses that include software such as PSCOPETM and analysis package for processing photoelastic data such as DigiTFPTM.

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