

### Introduction to fracture mechanics

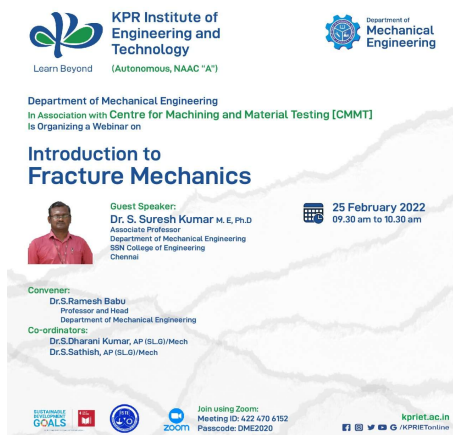
<b>Event No</b>	ME011
<b>Organizing Department</b>	Mechanical Engineering
<b>Date</b>	25/02/2022
<b>Event Type</b>	Webinar
<b>Event Level</b>	Dept. Level
<b>Venue</b>	-
<b>Details Link</b>	<a href="https://us02web.zoom.us/j/4224706152?pwd=M016eXZ0QmVrcC9TUFJFa29jaVJFZz09">https://us02web.zoom.us/j/4224706152?pwd=M016eXZ0QmVrcC9TUFJFa29jaVJFZz09</a>
<b>Total Participants</b>	71
<b>Faculty - Internal</b>	2
<b>Students - Internal</b>	69

#### Outcome

Students explored about experimental techniques especially, stress analysis methods like Photo elastic test bench with computer interfacing along with stress-freezing is explained.

#### Event Summary

The Department of Mechanical Engineering in association with Centre for Machining and Material Testing (CMT) organized a webinar on 'Introduction to Fracture Mechanics'. The programme began with the inaugural function, where Prof.S.Suresh Kumar enlightened the participants about the concepts of stress analysis that have been drastically changing day-by-day. He explained research on Fracture Mechanics and corrosion failures and the major causes of failure in several engineering components including heavy-duty rotors, structures and bridges lunch. Experimental techniques especially, stress analysis methods like Photo elastic test bench with computer interfacing along with stress-freezing is explained.



**KPR Institute of Engineering and Technology**  
(Autonomous, NAAC "A")

**Department of Mechanical Engineering**

In Association with Centre for Machining and Material Testing [CMMT]  
Is Organizing a Webinar on

### Introduction to Fracture Mechanics

**Guest Speaker:**  
Dr. S. Suresh Kumar M.E, Ph.D  
Associate Professor  
Department of Mechanical Engineering  
SRM College of Engineering  
Chennai

**25 February 2022**  
09.30 am to 10.30 am

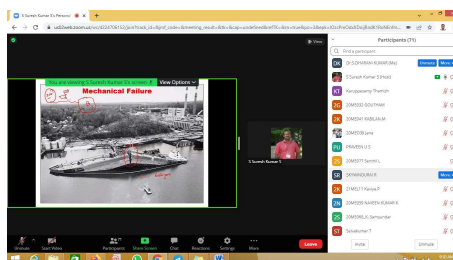
**Convener:**  
Dr.S.Ramesh Babu  
Professor and Head  
Department of Mechanical Engineering

**Co-ordinators:**  
Dr.S.Dharani Kumar, AP (SLG)/Mech  
Dr.S.Sathish, AP (SLG)/Mech

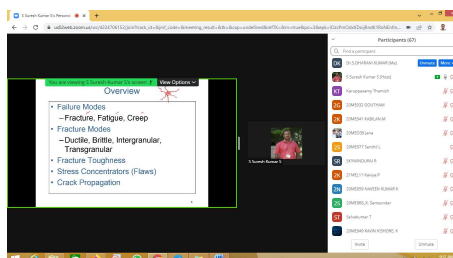
Join using Zoom:  
Meeting ID: 422 470 6152  
Passcode: 0ME2020

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