

OBJECTIVES

This STTP is more focused towards faculty and researchers who are involved in teaching and carrying out research in the area of Vibrations. It is aimed to enhance the fundamental understanding of both Vibration Analysis and Experimental Measurement techniques through series of well-structured sessions. This STTP also involves the Experimental Modal Analysis, Conditioning Monitoring, Vibration Measurement, Signal Processing and their Applications in real time Industrial Environment.

EXPECTED OUTCOME

After attending this STTP participants are expected to enrich their knowledge in Vibration and Measurement and also delivery of lectures and research work.

TOPICS TO BE COVERED

Vibration Engineering
Fault Diagnosis
Modal Analysis
Rotor Dynamics
Vibration Control
Rigid Body Dynamics
Linear Vibration
Non Linear Vibration
Vibration Measurement
Condition Monitoring

Speakers of the STTP

Eminent Speakers from Research Organizations, Academic Institution (IIT, IIITDM, NIT, Other Universities, etc.) and Industrial Experts.

For any queries contact:

+919444306262, +919710352005, +919894382880

email-id: hod.mech@mnmjec.ac.in,

chandramohanp.mech@mnmjec.ac.in

rameshudhayakumara.mech@mnmjec.ac.in

CHIEF PATRONS

Shri.Lalchand Munoth, CHAIRMAN

Dr. Harish L Metha, SECRETARY ADMINISTRATION

Shri.Jaswant Munoth, SECRETARY ACADEMIC & FINANCE

PATRON

Dr.C.Chandrasekar Christopher, PRINCIPAL

Co-Ordinator

Dr. J. Nithyanandam, Professor

Co- Coordinators

Dr. P. Chandramohan, Asso. Prof.

Mr. A. Ramesh Udhayakumar, Asso. Prof.

Organizing Committee

Mr. T. Sankarlal, Asso. Prof.

Mr. K. S. Sreenivasan, Asso. Prof.

Mr. A. Sivarangar, Asst. Prof.

Dr. M. Nagaraj, Asst. Prof.

Mr. K. Saravanan, Asst. Prof.

Mr. L. Vinoth Selva Bruce, Asst. Prof.

Mr. J. Joshua Kingsly, Asst. Prof.

Mr. B. Anand, Asst. Prof.

Mr. R. Dilli Babu, Asst. Prof.

Mr. R. Prasanna, Asst. Prof.

Mr. G. Velukumar, Asst. Prof.

Mr. B. Raghunathan, Asst. Prof.

Interested participants may register before 29th April 2021 using below link:
<https://forms.gle/sBhQ3VGaVKibjuqY8>

NO REGISTRATION FEE

E-CERTIFICATES WILL BE PROVIDED TO ALL ACTIVE PARTICIPANTS.



MISRIMAL NAVAJEE MUNOTH
JAIN ENGINEERING COLLEGE

Owned and Managed by Tamilnadu Educational And Medical Trust

A JAIN MINORITY INSTITUTION



Approved by AICTE Programmes [ECE, EEE, CSE, Mech & IT] Accredited by NBA, New Delhi.
Recognized by the Government of Tamilnadu and Affiliated to Anna University, Chennai
Guru Marudhar Kesari Building, Jyothi Nagar, Rajiv Gandhi Salai (OMR), Thorapakkam, Chennai-600 097

AICTE Sponsored 6- Days Online
Short-Term Training Program (STTP)
on

"Vibration Analysis and Measurements"

(Phase - II)

(03.05.2021 - 08.05.2021)



Organized by
Department of Mechanical Engineering
Misrimal Navajee Munoth Jain Engineering College
Chennai - 600097
Tamil Nadu



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"Vibration Analysis and Measurements"

Date / Day	Session 09.30 am - 11 am	Session 11.10 am - 12.40 pm	L u n c h B r e a k	Session 02.00 pm - 03.30 pm
03.05.2021 Monday	Inauguration (9:30 am to 9:50 am) "Vibration a Holistic Introduction" Dr. K V Gangadharan Professor NITK Surathkal.	"Human Induced Vibration and Modelling of Human as Nonlinear Oscillators" Dr. Anil Kumar Associate Professor IIT Roorkee.		"Vibration Isolation and Mitigation" Dr. M. Selvaraj Associate Professor SSN College of Engineering Chennai.
04.05.2021 Tuesday	"Vibration Condition Monitoring on Rotating System" Dr. A. Krishnakumari Professor Hindustan Institute of Technology & Science.	"Analysis and Control of Friction-induced Vibrations in a Continuous System" Dr. Ashesh Saha Assistant Professor NIT Calicut.		"Modal Correlation and Updating Building Vibration Trainer with Open Hardware" Dr. B. Venkatesham Assistant Professor IIT Hyderabad.
05.05.2021 Wednesday	"A walk into the Mechanics of Vibration based Energy Harvesting" Dr. Shaikh Faruque Ali Associate Professor IIT Madras.	"Impacts of Mechanical Vibrations on Production Machines" Dr. Velmurugan C Assistant Professor IIIT Trichy.		"Vibro Acoustics of Structures Under Axial Compression" Dr. P. Jeyaraj Associate professor NITK Surathkal.
06.05.2021 Thursday	"Vibration of Beams Under Moving Loads" Dr. Sudheesh Kumar C P Associate Professor Govt. College of Engineering, Kannur, Kerala.	"Basics of Signal Processing" Dr. Piyush Shakya Assistant Professor IIT Madras.		"Semi Active Vibration Control of Vehicle using Magnetorheological Dampers" Dr. Hemantha Kumar Associate Professor NITK Surathkal.
07.05.2021 Friday	"Free and Forced Vibration Analysis of Laminate and Sandwich Composite Plates" Dr.Lakshmiipathi jakkamputi Professor VIT Chennai.	"Experimental Modal Analysis" Mr. Rakesh K Manager-Sales & Support Foretek Marketing Pvt. Ltd., Bangalore.		"Vibration Analysis of Electronic Packages" Dr. G. Rajasekaran Assistant Professor NIT Trichy.
08.05.2021 Saturday	"Vibration Measurement and Analysis on Rotating Machinery" Mr. R. Govardhana Giri, MD ATALON Product Centre Private Limited, Chennai.			"Rotary System Condition Monitoring" Dr. V. Suresh Babu Professor NIT Warangal.