



**AARUPADAI VEEDU
INSTITUTE OF TECHNOLOGY**
OMR, PAIYANOUR, CHENNAI - 603104



**VINAYAKA MISSION'S
RESEARCH FOUNDATION**
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DEPARTMENT OF MECHANICAL ENGINEERING

THRUST AREA RESEACH GROUP CAD / CAM &
ENGINEERING DESIGN AND COLLEGIATE CLUB (EDCC)

SEMINAR ON “DYNAMIC ANALYSIS USING ANSYS” – 12.09.19

Dr. M. S. ALPHIN, Assoc. professor / Mech, SSN Group of institutions

Department of Mechanical Engineering in association with Engineering Design Collegiate Club (EDCC) - Thrust Area Research Group - CAD / CAM organised a seminar on “**DYNAMIC ANALYSIS USING ANSYS**” on 12.09.2019. Around 70 Final year students from Department of Mechanical Engineering had participated in the seminar. The Expert speaker **Dr. M. S. Alphin**, The chief guest was welcomed and welcome address was given by **Prof. L. Prabhu, HOD / Mech.** The Presidential Address was given by **Dr. K. L. Shunmuganathan, Principal, AVIT** and the special address was by **Prof. P. Rajasekaran, Vice Principal (admin), AVIT.** The chief guest was introduction and the vote of thanks was proposed by **Mr. Praveen. R, Asst. Prof – II / Mech.** The event was organized by **Mr. K. Vijayakumar, Asst. Prof – II , Mech.**

The chief guest explained about the fundamentals of Dynamic analysis, Vibration, Factors related to Dynamic analysis, Noise analysis, were explained by the chief guest. The students also interacted and learned the basics of dynamics analysis and the importance of Dynamic analysis from Industrial perspective.

WORKSHOP CONTENT

Importance and applications of Dynamic analysis

Approaches to Dynamic analysis

Concept of Vibration, Frequency & Noise

Harmonic analysis & Modal analysis of an element

Stiffness matrix of an element by stiffness method

Explained his project related to wind turbine analysis

Case study of Tachoma Bridge collapse

Outcome:

The students understood the concepts of Dynamic analysis, Vibration, Frequency, amplitude of the vibration, Frequency, signal to noise etc. The guest also assured that he would extend his support in helping our students related to Projects; He also invited our students to visit the laboratories and infrastructure at SSN College of Engineering and would facilitate our students to do any project.

Invitation:



AARUPADAI VEEDU
INSTITUTE OF TECHNOLOGY
(An Autonomous College of Advanced Research & Innovation)



VINAYAKA MISSION'S
RESEARCH FOUNDATION
(Established by Vinayaka Mission's Research Foundation)

DEPARTMENT OF MECHANICAL ENGINEERING

IN ASSOCIATION WITH
ENGINEERING DESIGN COLLEGIATE CLUB (EDCC) &
CAD / CAM THRUST AREA RESEARCH GROUP (TARG)

CORDIALLY INVITES YOU TO THE

SEMINAR ON
"DYNAMIC ANALYSIS USING ANSYS"

Date : 12th Sep 2019 Venue: Digital Room 1 Time: 10:00 AM

Chief Guest

Dr. M. S. Alphin
Professor, Mechanical Department,
SSN Institute of Science & Technology, Chennai.

Presided By

Dr. S. A. V. SATYA MURTY
Campus Director, AV Campus

Special Address By

Dr. K. L. SHUNMUGANATHAN
Principal, AVIT

Felicitation

Dr. S. P. SANGEETHA
VP(Academics), AVIT

Prof. P. RAJASEKARAN
VP(Admin.), AVIT

With warm regards

Mr. PRAVEEN. R
Asst. Prof. (G-II) / MECH

Mr. K. VIJAYAKUMAR
Asst. Prof. (G-II) / MECH

Prof. L. PRABHU
Professor & Head / MECH

Event Photos:

