PERI
INSTITUTE OF TECHNOLOGY

DEPARTMENT OF MECHANICAL ENGINEERING

CIRCULAR

Ref: PERIIT/MECH/ 2019-2020/EVEN /05   Date: 11/06/2020

The Department of Mechanical Engineering is organizing workshop on **"OPTIMIZATION TECHNIQUES IN ANSYS"** for all the mechanical students through Google Meet online platform on 12/06/2020 – 11 AM to 12 Noon.

I request all the students to attend the workshop and expecting your cooperation throughout the session.

WEBINAR MEETING LINK

Meeting URL: https://meet.google.com/bcu-gwnq-gtm

HOD-MECH

Dr. R. PALSON KENNEDY, M.E., Ph.D.,
PRINCIPAL
PERI INSTITUTE OF TECHNOLOGY
Mannivakkam, Chennai - 600 048.

PERI Institute of Technology

Department of Mechanical Engineering

EVENT REPORT

Ref: *PERI/Mech/Event/2020/09*   Date:*13.06.2020*

INTRODUCTION

The Department of Mechanical Engineering of PERI Institute of Technology has organized a one-day Technical Webinar "Optimization Techniques in Ansys" on 12.06.2020 – 11 AM to 12 Noon in Google Meet online platform for all the Engineering college students. The Speaker for this event was "Mr. G. Nagendran – Director, CADDAM Technologies Pvt. Ltd.,." The Webinar was conducted successfully with the presence of the Head of the Department of Mechanical Engineering and other faculties of PERI Institute of Technology. Mr. Vinoth Kanna. I, & Mr.Prabhakaran, Assistant Professor of Mechanical engineering who Coordinate the program throughout and Mr. Vignesh.A.R Assistant Professor of Mechanical engineering who host the program with the support of all the faculties of Mechanical Engineering of PERI Institute of Technology.
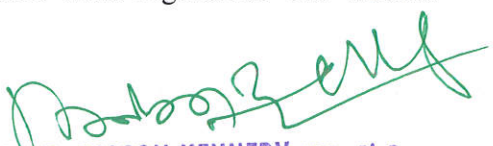
EVENT DETAILS

The Webinar was conducted online Google Meet Platform as well as YouTube Live Stream on the topic of "OPTIMIZATION TECHNIQUES IN ANSYS"on 12.06.2020 – 11 AM to 12 Noon by the honorable Chief guest "Mr. G. Nagendran – Director, CADDAM Technologies Pvt. Ltd.

STRUCTURE OF THE EVENT

1. 10.55 AM – 11.00 AM   : Welcome Address by the host
2. 11.00 AM – 12.25PM   : Speech given by Chief guest
3. 12.25PM – 12.30 PM   :Q&A Session (Chief guest Interaction with the Participants)
4. 12.30 PM – 12.35 PM   : Vote of Thanks by HOD – Mechanical.
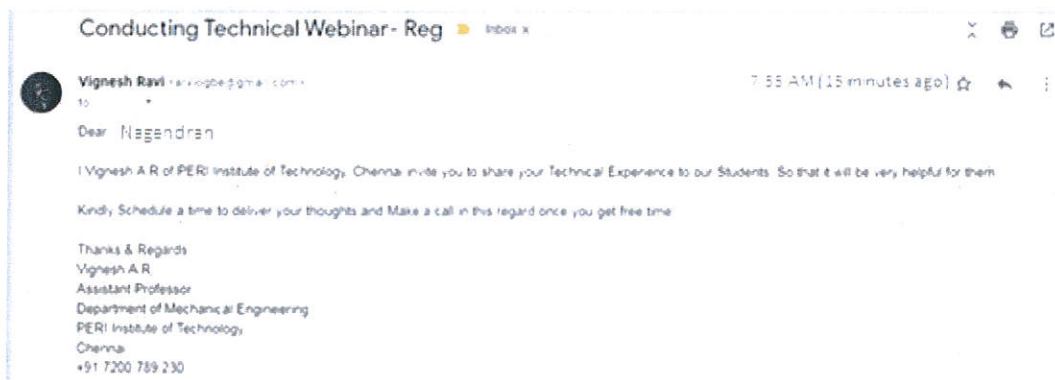
EVENT SUMMARY

The flyer was created by the faculty of Mechanical Engineering and the same circulated to all the Engineering Colleges irrespective of the State. The Registration link was created along with the flyer. Interested participants are asked to registered through that link at free of cost. The link was enabled upto 12.06.2020 – 9.00 AM. Totally 100 candidates were registered. The webinar

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online room was opened at 10.50 AM in order to allow the participant to enter the room. Exactly 10.55 AM the program begins with Welcome address followed by Chief guest lecturer and ending with the vote of thanks by the head of the department by 12.30 PM.

Feedback link circulated to all the registered candidates in order to get their feedback and suggestion from their end. All the suggestions were recorded.

INVITATION MAIL TO THE SPEAKER

Conducting Technical Webinar- Reg Inbox x

Vignesh Ravi 7:55 AM (15 minutes ago)
to

Dear Nagendran

I Vignesh A R of PERI Institute of Technology, Chennai invite you to share your Technical Experience to our Students. So that it will be very helpful for them

Kindly Schedule a time to deliver your thoughts and Make a call in this regard once you get free time

Thanks & Regards
Vignesh A R
Assistant Professor
Department of Mechanical Engineering
PERI Institute of Technology
Chennai
+91 7200 789 230

ACCEPTANCE MAIL FROM THE SPEAKER

Nagendran 11:58 AM (6 minutes ago)
to me

Dear Vignesh
Greetings!
Its an pleasure for me to share my Ideas to the students of PERI Institute of Technology. We will have a further discussion over phone call

Thanks and Regards
Vignesh Ramadoss

Thanks for the mail.   Thank you for your response.   Thank you for the mail
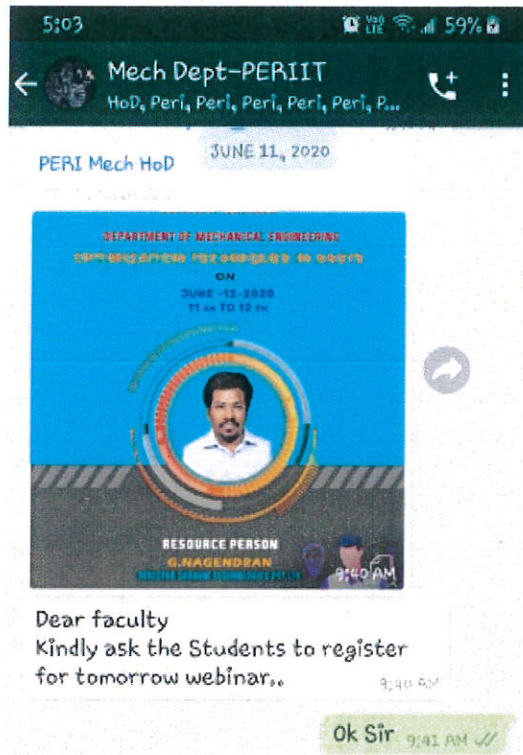
CHIEF GUEST PROFILE

Our Chief Guest Mr.G.Nagendran is having 20 years Mechanical design and training experience in the field of Structural Design Validation using Finite Element Analysis. He Handled for major Automobile, Marine and Home appliances products. He is also having experience in carrying out Structural, Thermal and Vibration Analysis using Finite Element Codes, Auto-Engine Assembly. Currently, He is working in vibration analysis of Shaft for an automotive client, Automatic and Blue tooth enabled Home appliance Products.

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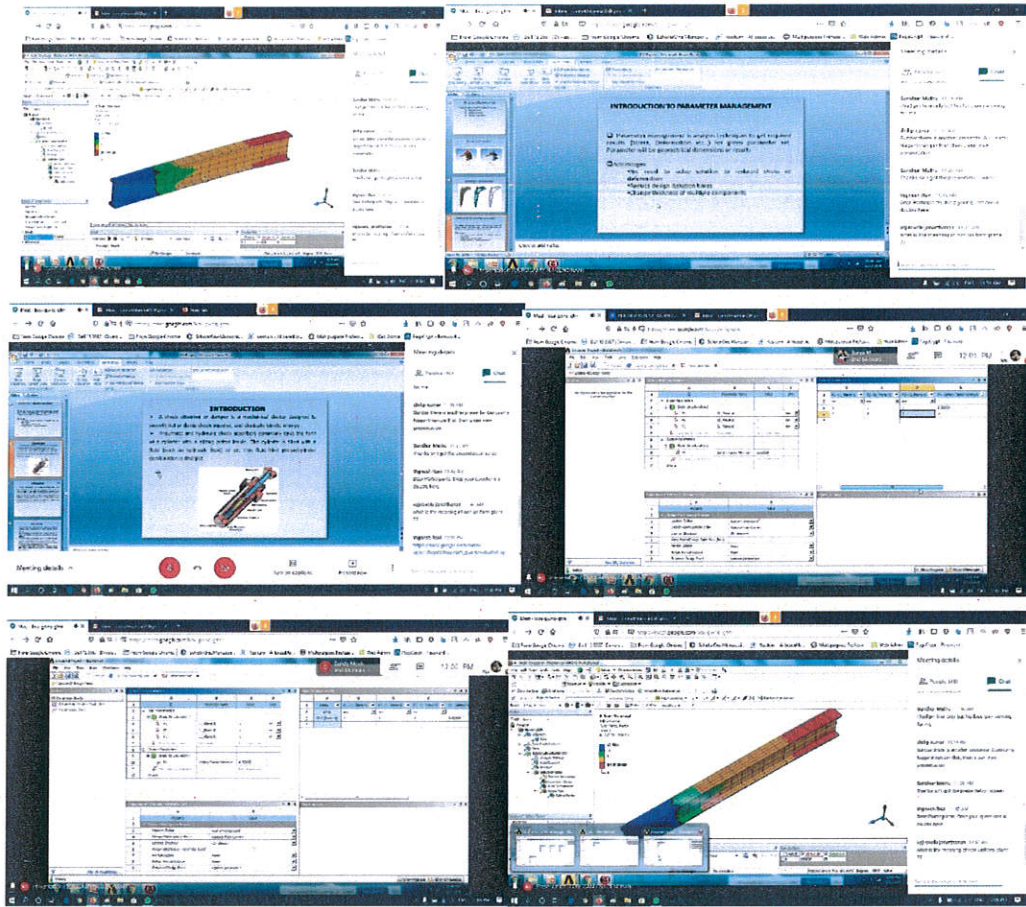
WEBINAR CIRCULAR

WEBINAR MEETING LINK

Meeting URL: https://meet.google.com/bcu-gwnq-gtm

WEBINAR FEEDBACK

Name of the Institution	Are you a Industry Participant?	Contact Number	How helpful was the webinar for you?	The Content and the delivery of the webinar met your expectations	Any other Suggestions
Peri institute of technology	No	8012169921	Somewhat Helpful	Agree	Ppt is not visible to students
PERI INSTITUTE OF TECHNOLOGY	No	8056125852	Very Helpful	Agree	Good content
Peri institute of technology	No	7395952859	Very Helpful	Agree	Good.
Peri institute of technology	No	9094909637	Very Helpful	Agree	No
PERI INSTITUTE OF TECHNOLOGY	No	07338848811	Very Helpful	Agree	
Peri Institute of Technology	No	9514694618	Somewhat Helpful	Agree	
PERI INSTITUTE OF TECHNOLOGY	No	9840416581	Very Helpful	Agree	
PERI INSTITUTE OF TECHNOLOGY	No	8754849060	Very Helpful	Strongly Agree	No
Peri Institute Of Technology	No	7092966285	Somewhat Helpful	Strongly Agree	Nothing
Peri Institute Of Technology	No	9943805921	Very Helpful	Agree	Give another important content
PERI INSTITUTE OF TECHNOLOGY	No	7358523279	Very Helpful	Agree	
Peri Institute of Technology	No	7401330236	Very Helpful	Agree	
PERI Institute of technology	No	08825943896	Very Helpful	Agree	
Peri Institute of Technology	No	6383027506	Very Helpful	Strongly Agree	
Peri institute of technology	No	9500889131	Very Helpful	Agree	
PERI Institute of Technolgy	No	9952846502	Very Helpful	Strongly Agree	
PERI institute of technology	No	09791833748	Extremely Helpful	Strongly Agree	Nice session
Peri Institute of Technology	No	8608422940	Somewhat Helpful	Agree	
Peri institute of technology	No	8754244979	Extremely Helpful	Agree	No
Peri institute of technology	No	8778632542	Extremely Helpful	Strongly Agree	You are already good
Peri Institute Of Technology	No	7092993165	Very Helpful	Agree	

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SNAPSHOTS

SAMPLE SLIDES

INTRODUCTION TO PARAMETER MANAGEMENT

❑ Parameter management is analysis techniques to get required results (Stress, Deformation etc..) for given parameter set. Parameter will be geometrical dimensions or results

❑Advantages:
- •No need to solve solution to reduced stress or deformation
- •Reduce design iteration times
- •Change thickness of multiple components

INTRODUCTION

➤ A shock absorber or damper is a mechanical device designed to smooth out or damp shock impulse, and dissipate kinetic energy .

➤ Pneumatic and hydraulic shock absorbers commonly take the form of a cylinder with a sliding piston inside. The cylinder is filled with a fluid (such as hydraulic fluid) or air. This fluid-filed piston/cylinder combination is dashpot.

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