

A
Report on
**International Expert lecture on
Fluid Couplings- Technology, Product & Application**
(1st March, 2024)

*Organized by
(Mechso Club)*
*Department of Mechanical Engineering
Rao Pahlad Singh College of Engineering and Technology,
Balana, Mahendergarh*



**Rao Pahlad Singh Group of Institutions
Mahendergarh**

Background:

The Mechso Club Mechanical Engineering Department of Rao Pahlad Singh College of Engineering and Technology, Balana, Mahendergarh organized an International guest lecture on Fluid Couplings- Technology, Product & Design on Mar01, 2024. The International guest lecture was conducted through Zoom meeting application.

Objectives:

The objectives of this guest lecture were as follows:

The main objective was to impart greater awareness about the practical application of evolution of fluid coupling products and recent advancements across industries, including mining, manufacturing.

Participants:

It was attended by 52 students from Mechso Club Mechanical Engineering Department.

Brief of the Program:

The guest lecture was held on March 1st 2024, Friday, at 09.30AM to 11.00AM. Dr. Rojaleena Das, Associate Professor, Mechanical Engineering Department, Rao Pahlad Singh College of Engineering and Technology started the session with a warm welcome from all the attendees and also introduced the guest speakers. The session was taken over by the International guest speaker Ms. Tamanna Routray, Head International Business Premium Transmission Pvt. Ltd. And Mr. Abhay Singh, Senior Manager, International Business Premium Transmission Pvt. Ltd.

She started by defining the fluid coupling technology, product advancements, and their wide-ranging applications. Fluid couplings are essential components in various mechanical systems, providing seamless power transmission and torque control and Mr. Abhay Singh explained Fundamental principles of fluid coupling technology. Evolution of fluid coupling products and recent advancements Diverse applications across industries, including mining, manufacturing. He also explained about the detail mechanism behind the technology and its application in various countries. He also briefly elaborate a case study explaining the concept of fluid coupling. Both of the expert guest has very interactive with the students in the entire session.

The guest speakers ended with a question and answer session in which students get their doubts solved. At the end Mr. Manish Kaushik, Head of Mechanical Engineering Department, RPSCET, thanked our keynote speakers and the Dr. Rojaleena Das, Associate Professor, Mechanical Engineering Department, RPSCET for entire conducting the International Expert lecture on the topic of great interest for all.

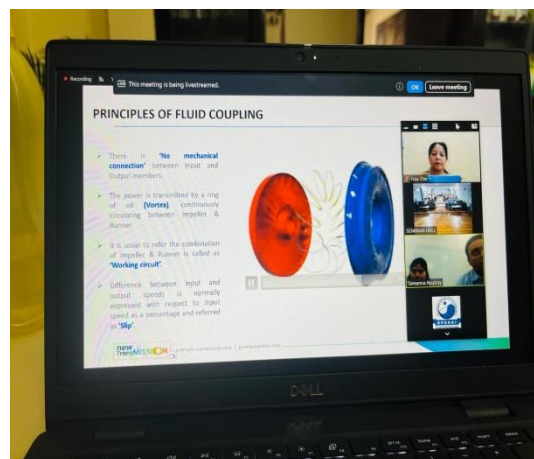
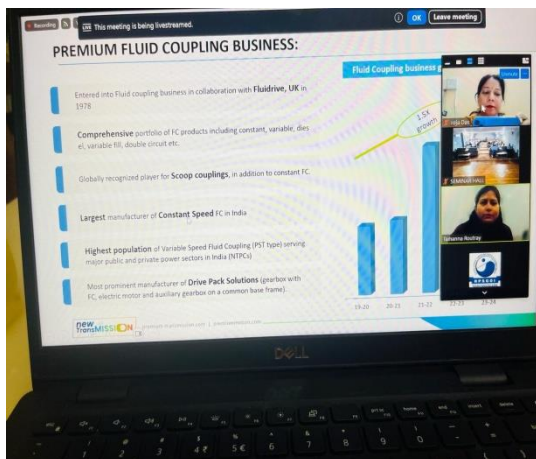
Feedback from the Participants:

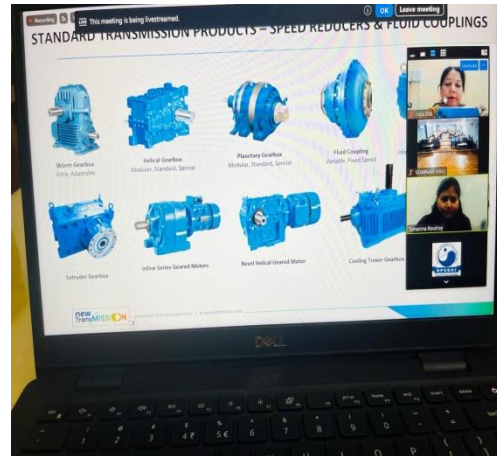
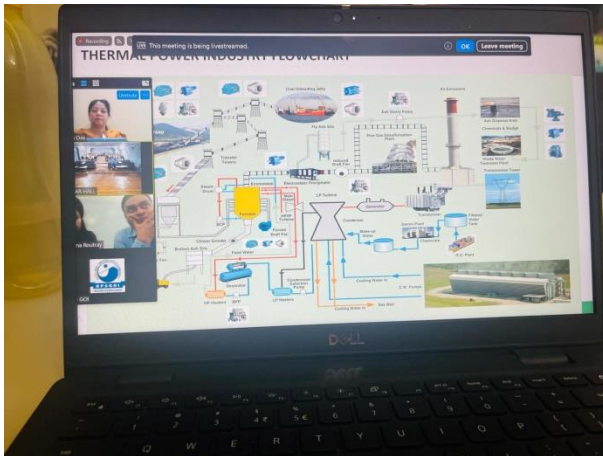
A feedback from the students were taken, the participants were thankful to the Ms. Tamanna Routray, Head International Business Premium Transmission Pvt. Ltd. And Mr. Abhay Singh, Senior Manager, International Business Premium Transmission Pvt. Ltd. And also thanks to Dr. Rojaleena Das, Associate Professor, Mechanical Engineering Department, RPSCET Balana, Mahendergarh for conducting this International guest lecture.

Banner:



Glimpse of Session:





Resource Persons:

Ms. Tamanna Routray, Head International Business Premium Transmission Pvt. Ltd.

Mr. Abhay Singh, Senior Manager, International Business Premium Transmission Pvt. Ltd

Coordinator:

Mr. Sumit, Asst. Professor, Department of Mechanical Engineering

Dr. Rojaleena Das, Associate Professor, Department of Mechanical Engineering

Mr. Manish Kaushik, Head of Mechanical Engineering Department,

Rao Pahlad Singh College of Engineering and Technology, Balana, Mahendergarh