

Report on Faculty Development Program on

“Advanced Maintenance Practices and Vibration Diagnostics”

Dates: 26th June, 2023 to 1st July, 2023

Organized by: FR C Rodrigues Institute of Technology (FCRIT), Vashi, Navi Mumbai

In Association with: Council of Vibration Specialists (CVS), Mumbai Chapter

Co ordinators: Dr. Dhananjay Panchagade and Mr. Shoumik Kulkarni

The Faculty Development Program on “Advanced Maintenance Practices and Vibration Diagnostics”, organized by FR C Rodrigues Institute of Technology (FCRIT) in association with the Council of Vibration Specialists, Mumbai Chapter, was a five-days event held from 26th June 2023 to 1st July 2023. The program aimed to provide students and faculty members from various engineering colleges with comprehensive knowledge and practical insights into advanced maintenance practices and vibration diagnostics in industrial machinery.

Each day focused on specific themes and included interactive sessions, practical demonstrations, and hands-on exercises. The program was structured to cover a wide range of topics such as – Introduction to Various Maintenance Practices, RCM, Fundamentals of Vibrations, Vibration Signature Analysis, Vibration Sensors and Instrumentation, Data Acquisition and Signal Conditioning, Structural Vibrations, Ultrasonic Testing, Corrective Maintenance. Also, there were practical demonstration and hands on conducted on DAQ system, Acoustics Hammer, Modal Analysis using Impact Hammer, FFT Analyzer etc.

The program featured renowned industry experts from industries like Forbes Marshall, Honeywell, RTE systems, Mahadyuta Technosolutions Pvt. Ltd. and Center for Reliability and Diagnostics. Experienced faculty members from FCRIT and COEP Technological University also graced the event. These resource persons had extensive knowledge and expertise in the field of advanced maintenance practices and vibration diagnostics. Their insightful presentations and practical demonstrations enriched the learning experience for the participants.

The Faculty Development Program received overwhelmingly positive feedback from the participants. They appreciated the comprehensive coverage of topics, practical approach, and the opportunity to interact with industry experts. The FDP conclude with valedictory function where participants were awarded certificate of completion. The valedictory function was graced by Dr. H S Gambhir, President (CVS), Dr. T. Pyne Secretary and Director General (CVS), Dr. S M Khot Principal (FCRIT) & Treasurer (CVS), Dr. Nilaj Deshmukh Chairman (CVS-Mumbai Chapter) & Dean (Faculty) and HoD (Mech.) (FCRIT).

Overall the FDP successfully provided participants with valuable knowledge and practical skills in the field. The program's comprehensive structure, experienced resource persons, and hands-on training sessions contributed to the participants' enhanced understanding and proficiency in advanced maintenance practices and vibration diagnostics. The event served as an excellent platform for networking and collaboration among participants and industry experts.