



INDIAN STRUCTURAL HEALTH MONITORING SOCIETY (ISHMS)

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TECHNICAL LECTURE SERIES (LECTURE-5)

INFLUENCE OF BOND DEGRADATION ON PIEZO-IMPEDANCE BASED STRUCTURAL HEALTH MONITORING

29 APRIL 2024, 6:45 PM (IST)

ONLINE MODE



DR. SUMEDHA MOHARANA

Associate Professor, School of Engg. Deptt. of Civil Engg. Shiv Nadar Institute of Eminence (Deemed to be University)

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LECTURE



Dr. Sumedha Moharana is an Associate Professor at Shiv Nadar Institute of Eminence Gautam Buddha Nagar. She completed her Ph.D. from IIT Delhi in 2013. Her major research interests are smart structures, piezo-impedance based structural health monitoring, shear lag effect and piezo-structure interaction. In addition, she has rich experience in experimental and numerical study of adhesive bond/debond effect on electro-mechanical coupling behavior. Also, she carries out research on material characterization and non-destructive testing of construction materials for the buildings of Shiv Nadar Institute of Eminence. She has completed several research projects funded by DRDO, ISRO, DST and MOE etc.