

## MECHANICAL PROJECTS LIST

S.No.	Project Name
LSM001	3D Analysis of Combined Extrusion-Forging Processes
LSM002	A Brief Study on Dynamics of Viscoelastic Rotors – An Operator Based Approach
LSM003	A Study of the Effect of Cryogenic Treatment on the Performance of High Speed Steel Tools and Carbide Inserts
LSM004	Active Vibration Control of Rotating Composite Shaft System
LSM005	Analysis of Gyroscopic Effects in Rotor-Disc Systems
LSM006	Analysis of Stiffened Rectangular Plate
LSM007	Comparative Study between Various Reduced Model and Modal Analysis of Viscoelastic Rotors
LSM008	Computer Aided Design and Analysis of Swing Jaw Plate of Jaw Crusher”
LSM009	Design and Analysis of Kinematic ally Redundant Planar Parallel Manipulator for Isotropic Stiffness Condition
LSM010	Diagnosis of Damages in Beam Structures Using Vibration Parameters and Artificial Intelligence Techniques
LSM011	Dynamic Analysis of Fixed-Fixed Beams
LSM012	Dynamic Modeling of Afm Cantileverprobe under Base Excitation System
LSM013	Dynamic Response of a Beam Structure to a Moving Mass Using Green’s Function
LSM014	Dynamic Stability Analysis Of A Sandwich Beam With Functionally Graded Material Constraining Layer
LSM015	Effect of Environment on Mechanical Properties of Bagasse Fiber Reinforced Polymer Composite
LSM016	Elastic Plastic Fracture Behavior and Effect of Band-Overload on Fatigue Crack Growth Rate of An Hsla Steel
LSM017	Fault Detection of Cracked Cantilever Beam Using Smart Technique
LSM018	Fault Diagnosis of Inclined Edge Cracked Cantilever Beam Using Vibrational Analysis and Artificial Intelligence Techniques
LSM019	Finite Element Based Vibration and Stability Analysis of Functionally Graded Rotating Shaft System under Thermal Environment
LSM020	Free Vibration Analysis of Sandwich Panel
LSM021	Free Vibration and Thermal Analysis of Randomly Oriented Carbon Nano Tube Based Functionally Graded Beam
LSM022	Hydrodynamic Analysis of Different Textured Profile Thrust Bearing
LSM023	Identification of Transverse Crack in a Cracked Cantilever Beam Using Fuzzy Logic and Kohonen Network
LSM024	Investigation In to Tribo Potential of Rice Husk (RH) Char Reinforced Epoxy Composite
LSM025	Investigation into Mechanical and Tribological Properties of Ipomoea Carnea Reinforced Epoxy Composite

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LSM026	Life Prediction Model for Creep-Fatigue Interaction of P92 Advanced Grade Martensitic Steel
LSM027	Mechanical and Solid Particle Erosion Behavior of Modified Rice-Husk Filled Epoxy Composite
LSM028	Mechanical and Tribological Behaviour of Coconut Shell Char Reinforced Polymer Composites
LSM029	Mechanical Characterization and Solid Particle Erosion Response of Particulate Filled Jute-Epoxy Composites
LSM030	Navigation of Automatic Vehicle Using Ai Techniques
LSM031	Navigation of Mobile Robot in Cluttered Environment
LSM032	Navigation of Mobile Robot Using Fuzzy Logic Controller
LSM033	Optimization of Support Parameters In Mining Terrain Using Artificial Intelligent Techniques
LSM034	Passive Viscoelastic Constrained Layer Damping For Structural Application
LSM035	Piezoelectric Transduction Mechanism for Vibration Based Energy Harvesting
LSM036	Prediction Of Fatigue Crack Propagation Life In Single Edge Notched Beams Using Exponential Model
LSM037	Prediction of Inverse Kinematics Solution of a Redundant Manipulator Using Anfis
LSM038	Preparation and Characterization of Waste Silk Fiber Reinforced Polymer Composites
LSM039	Rub-Impact Analysis in Rotor Dynamic Systems
LSM040	Simulation of Electro-Hydraulic Servo Actuator
LSM041	Static Analysis of Cross - Ply Laminated Composite Plate Using Finite Element Method
LSM042	Static and Dynamic Analysis of High Contact Ratio Spur Gear Drive
LSM043	Study of Dynamic Stress and Life Estimation for Viscoelastic Rotor-A Finite Element Approach
LSM044	Study of Modal Behaviour of Viscoelastic Rotors Using Finite Element Method
LSM045	Study of Water Absorption Behaviour of Natural Fibre Reinforced Composites
LSM046	Study on the Effect of Pre-Corrosion on Crack Initiation and Fatigue Life of an aluminum Alloy
LSM047	Study on the Effects of Band Overload on Fatigue Crack Growth Retardation
LSM048	Teaching Learning Based Optimization Applied To Mechanical Constrained Design Problems
LSM049	Thermal Network Theory for Switchgear Under Continuous Current
LSM050	Vibration Analysis and Control of Rotating Composite Shaft Using Active Magnetic Bearings
LSM051	Vibration Analysis and Damping Characteristics of Hybrid Composite Plate Using Finite Element Analysis
LSM052	Vibration Analysis of A Cracked Beam With Elastic Support

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LSM053	Vibration Analysis of Composite Beam
LSM054	Vibration Analysis of Cracked Beam
LSM055	Vibration Analysis of Tapered Beam
LSM056	Weathering Behaviour of Bagasse Fiber Reinforced Polymer Composite

