

## Course Outline of PhD Mechanical Engineering

<b>Course Code</b>	<b>Course Title</b>
ME-701	Non-linear Heat Transfer
ME-702	Heat Conduction
ME-703	Multiphase Flow
ME-704	Design of Experiment in Mechanical Engineering
ME-705	Time Series Modeling, Analysis and Forecasting
ME-706	Turbulent Flow
ME-707	Non-linear Vibrations
ME-708	Vibration of Complex Mechanical Systems
ME-709	Fatigue Analysis and Design
ME-710	Engineering Optimization
ME-711	Numerical Solutions of Partial Differential Equation
ME-712	Advanced Robotics and Automation
ME-713	Additive Manufacturing Engineering
ME-714	Advanced Stochastic Modeling & Simulation
ME-715	Tribology and Wear Engineering
ME-716	Toyota Production System
ME-717	Digital Manufacturing Simulation
ME-718	Vehicle Stability and Dynamics
ME-719	Advanced Cooling and Heating Technologies
ME-720	Special Topics in Mechanical Engineering
ME-721	Special Topics in Artificial Intelligence