



KTU Sponsored Five Days Online Faculty Development Programme On

Design of Experiments and Optimisation Techniques

Organised by

Jyothi Engineering College, Thrissur

August 09 – 13, 2021

Programme Schedule



Date	9.00 AM to 11.00 AM	11.00 AM to 1.00 PM	2.00 PM to 4.00 PM
09-08-2021	<p style="text-align: center;"><i>Session 1</i></p> <p style="text-align: center;">Engineering Research: Experimental Plan And Data Analysis Dr. M. S. Shunmugam Professor Emeritus (Retired) Department of Mechanical Engineering Indian Institute of Technology Madras Chennai, Tamil Nadu</p>	<p style="text-align: center;"><i>Session 2</i></p> <p style="text-align: center;">Introduction to Design of Experiments Dr. Abdul Nazar K P Associate Professor, Department of Mechanical Engineering, Government Engineering College, Kannur, Kerala</p>	<p style="text-align: center;"><i>Session 3</i></p> <p style="text-align: center;">Using Swam Intelligence for Complex Optimisation Problems Dr. Lohithaksha Maniraj Maiyar Assistant Professor, Department of Entrepreneurship and Management, Indian Institute of Technology Hyderabad Hyderabad, Telangana</p>
10-08-2021	<p style="text-align: center;"><i>Session 4</i></p> <p style="text-align: center;">Exact and Heuristic Technique for Optimisation Dr. Brijesh Paul Professor, Department of Mechanical Engineering, Mar Athanasius College of Engineering Kothamangalam, Kerala</p>	<p style="text-align: center;"><i>Session 5</i></p> <p style="text-align: center;">Taguchi DoE for Engineering Solutions Dr. N. Senthilkumar Professor, School of Engineering, Saveetha Institute of Medical and Technical Sciences, Chennai</p>	<p style="text-align: center;"><i>Session 6</i></p> <p style="text-align: center;">Artificial Neural Network Dr. Kumaravel S Assistant Professor, Department of Electrical Engineering, National Institute of Technology Calicut, Kozhikode, Kerala</p>
11-08-2021	<p style="text-align: center;"><i>Session 7</i></p> <p style="text-align: center;">Response Surface Methodology with Desirability Function Dr. N. Senthilkumar Professor, School of Engineering, Saveetha Institute of Medical and Technical Sciences, Chennai</p>	<p style="text-align: center;"><i>Session 8</i></p> <p style="text-align: center;">Gamification for Learning and Development Dr. Manu Melwin Joy Assistant Professor School of Management Studies Cochin University of Science and Technology, Kalamassery, Kerala.</p>	<p style="text-align: center;"><i>Session 9</i></p> <p style="text-align: center;">Multi-objective Optimisation using GRA and TOPSIS Dr. Shunmugesh K Professor & Head, Department of Mechanical Engineering, Viswajyothi College of Engineering & Technology, Kerala</p>

12-08-2021	<p style="text-align: center;"><i>Session 10</i></p> <p style="text-align: center;">Metamodel based Engineering Optimisation</p> <p style="text-align: center;">Dr. Saijal K.K Associate Professor, Department of Mechanical Engineering, Government Engineering College, Kozhikode, Kerala</p>	<p style="text-align: center;"><i>Session 11</i></p> <p style="text-align: center;">TLBO and JAYA algorithm</p> <p style="text-align: center;">Dr. Sonu Rajak Assistant Professor, Department of Mechanical Engineering, National Institute of Technology, Patna Patna, Bihar</p>	<p style="text-align: center;"><i>Session 12</i></p> <p style="text-align: center;">Fractional Factorial Designs</p> <p style="text-align: center;">Dr. P. B. Dhanish Associate Professor, Department of Mechanical Engineering, National Institute of Technology Calicut, Kozhikode, Kerala</p>
13-08-2021	<p style="text-align: center;"><i>Session 13</i></p> <p style="text-align: center;">Optimisation using Artificial Neural Network (ANN) – Genetic Algorithm (GA) hybrid approach</p> <p style="text-align: center;">Dr. Rajesh Baby Dean (Research), St. Joseph’s College of Engineering and Technology, Palai, Kerala.</p>	<p style="text-align: center;"><i>Session 14</i></p> <p style="text-align: center;">Multi-objective Optimisation Using Genetic Algorithm</p> <p style="text-align: center;">Dr. Pradeepmon T.G. Associate Professor, Department of Mechanical Engineering, Muthoot Institute of Technology and Science, Varikoli, Kerala</p>	<p style="text-align: center;"><i>Session 15</i></p> <p style="text-align: center;">Taguchi Quality Loss Function</p> <p style="text-align: center;">Dr. Satish K P Professor, Department of Production Engineering, Government Engineering College, Thrissur, Kerala</p>