


Faculty Profile

Name of Faculty : Dr. Shankar Kodate	
Designation : Assistant Professor	
Qualification : M.Tech, Ph.D.	
Specialization : Thermal Engineering	
Official Email ID: shankarkodate.dypcet@dypgroup.edu.in, shankarvkodate@gmail.com	
Memberships	NIL
Courses Taught	<ul style="list-style-type: none"> • Thermodynamics. • Heat Transfer. • Fluid and Turbo Machinery. • IC Engine. • Design Thinking Through Innovation.
Roles and Responsibilities	<ul style="list-style-type: none"> • Departmental R & D Coordinator (Mechanical Engg.).
Research Contribution	<ul style="list-style-type: none"> • Shankar Vitthal Kodate, Satyanarayana Raju Pragada, Ajay Kumar Yadav, Kumar G. N., Investigation of preheated Dhupa seed oil biodiesel as an alternative fuel on the performance, emission and combustion in a CI engine. Energy, 120874. (2021) https://doi.org/10.1016/j.energy.2021.120874. (Elsevier), Impact Factor: 9, (SCI Indexed). • Shankar Vitthal Kodate, Satyanarayana Raju Pragada, Ajay Kumar Yadav, Kumar G. N., Effect of fuel preheating on performance, emission and combustion characteristics of a diesel engine fuelled with Vateria indica methyl ester blends at various loads. Journal of Environmental Management, 304 114284. (2021). https://doi.org/10.1016/j.jenvman.2021.114284. (Elsevier), Impact Factor: 8.7, (SCI Indexed).

	<ul style="list-style-type: none"> • <i>Shankar Vitthal Kodate, Ajay Kumar Yadav, Kumar G.N., Combustion, performance and emission analysis of preheated KOME biodiesel as an alternate fuel for a diesel engine. Journal of Thermal Analysis and Calorimetry, 141, 2335–2345. (2020). https://doi.org/10.1007/s10973-020-09814-5. (Springer), Impact Factor: 4.755, (SCI Indexed).</i>
<p><i>Patents</i></p>	<ul style="list-style-type: none"> • <i>Shankar Vitthal Kodate, D.Y. Patil College of Engineering & Technology, Hybrid Automatic Lighting Instrument, The Patent Office, Government of India, Design No. 396423-001, Class of 26-04, Date: 08/12/2023, Designs Act, 2000 and the Designs Rules, 2001.</i>
<p><i>FDP/Workshop Attended</i></p>	<ul style="list-style-type: none"> • <i>Workshop on Internal Combustion Engine, TEQIP, IIT Hyderabad.</i> • <i>Workshop on Recent Advancement in Thermal-Fluid Science and Engineering, TEQUIP-2, NIT Durgapur, West Bengal.</i> • <i>Workshop on Biofluid Dynamics and Bioheat Transfer, NITK Surathkal.</i> • <i>Gian Course on Inverse Heat Transfer, NITK Surathkal.</i> • <i>Gian Course on Transfer Function Based on Green's Function Method (TFBGF) to Solve Inverse Heat Conduction Problem (IHCP): Manufacturing Process Application, NITK Surathkal.</i> • <i>Workshop on Frontiers in Design, Manufacturing and Energy Sustainability, TEQIP-3, NITK Surathkal.</i> • <i>Workshop on Document Typesetting and Preparation Using LaTeX, NITK Surathkal.</i> • <i>Workshop on Solar Energy- Today's Resource for Brighter Tomorrow, SIT Tumkur.</i> • <i>Gian Course on Hybrid Composites: Manufacturing, Mechanics and Materials, NITK Surathkal.</i> • <i>Faculty Development Program on Recent Advances in Heat Transfer and Combustion Engineering, Zakir Husain College of Engineering and Technology, Aligarh.</i> • <i>Faculty Development Program on Innovative Technologies in Mechanical Engineering, TEQUIP-3, Engineering College Bikaner (Rajasthan).</i> • <i>Faculty Development Program on Smart Tools and Methodologies for Academic Research, Mahatma Gandhi Institute of Technology, Hyderabad association with Swecha.</i>

	<ul style="list-style-type: none"> • <i>Faculty Development Program on Practical Aspects of ICT Tools & Online teaching in current Scenario, Research Foundation of India, RFI-CARE & Arena Animation.</i> • <i>Faculty Development Program on a New Era of Manufacturing Challenges and Opportunities, Department of Mechanical Engineering. DYPCET, Kolhapur.</i> • <i>Attended Distinguished chair professor lecture series by Prof. Manohar Lal Munjal, Professor (emeritus) & INSA Honorary Scientist, Dept. of Mechanical Engg., IISC, Bangalore.</i> • <i>Attended National Virtual seminar Session on Quality management in Technical Institutes, Vidya Jhota Institute of Technology, Hyderabad.</i>
<i>Awards</i>	<ul style="list-style-type: none"> • <i>Awarded scholarship for pursuing Ph.D. in National Institute of Technology Karnataka by MHRD.</i>