


Annexure-1
Faculty Profile

Faculty	<p style="text-align: center;">Dr. Dandapani Assistant Professor Department of Mechanical Engineering East Point College of Engineering & Technology</p>
	<p>Profile*</p> <p>Dr. Dandapani holds a Ph.D. in Mechanical Engineering Science specializing in epoxy composite nanofiller materials (2023). Also earned an M.Tech. in Thermal Engineering (Distinction) and a B.E. in Mechanical Engineering. Extensive teaching experience as a lecturer and assistant professor across multiple engineering colleges from 2001 to 2020. Currently working as a Maintenance Engineer at New Best Chemicals. Authored several papers on topics including thermal properties of epoxy nanocomposites and hybrid composites, published in reputed journals like <i>Materials Today</i> and <i>Indian Journal of Science and Technology</i>. Expertise in finite element analysis and CAD tools, including Unigraphics NX, AutoCAD, Hyper mesh, and Fluent. Proficient in teaching a wide range of mechanical engineering subjects such as thermodynamics, fluid mechanics, and finite element methods. Completed training at Central Power Research Institute and an apprenticeship at HAL in design tools like AutoCAD and Unigraphics.</p>
	<p>Publications:</p> <ul style="list-style-type: none"> • "Hybrid Bike with Solar Charging (Petrol cum Electric)" - Published in <i>IJLTEMAS</i>, Volume V, Issue VII, July 2016. • "Computation of Stress Factors for Counter-Sunk Bolt Fixings in Self Supporting Skins in Accordance with DIN 18008-3" - Presented at the 12th International Conference on Researches in Science, Management, and Engineering, 2017. • "Hydraulic Regenerative Braking System" - Presented at the 3rd National Conference on Recent Innovations in Science and Engineering, May 6, 2017. • "Thermal Properties of Epoxy Nanocomposite Materials" - Published in <i>Journal of Physics</i> (2021). • "Thermal Stability and Electromagnetic Interference of Epoxy-Graphene/Hybrid Composite Materials" - Published in <i>Materials Today Proceedings</i> (2022). • "Thermal Properties of Epoxy Composites with Polyaniline and Graphene Nanofiller" - Published in <i>Materials Today Proceedings</i> (2023). • "Thermal Properties of Graphene-Based Polymer Nanocomposites" - Published in <i>Indian Journal of Science and Technology</i>, Volume 15(45), 2022. • "Epoxy-Red Lead Oxide and Hybrid Composites Thermal Properties" - Published in <i>International Journal of Recent Technology and Engineering</i>, Volume 11(4), November 2022. • "Thermal Properties of an Epoxy Composite Filled with Polypyrene and Graphene Nanoparticles" - Communicated to a Scopus-indexed journal (in review).

Annexure-2

Books
<input type="checkbox"/>
Magazines
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Conferences
<ul style="list-style-type: none">• 12th International Conference on Researches in Science, Management, and Engineering (2017)<ul style="list-style-type: none">• Paper Presented: "<i>Computation of Stress Factors for Counter-Sunk Bolt Fixings in Self Supporting Skins in Accordance with DIN 18008-3</i>".• 3rd National Conference on Recent Innovations in Science and Engineering (May 6, 2017)<ul style="list-style-type: none">• Paper Presented: "<i>Hydraulic Regenerative Braking System</i>".