



Dayananda Sagar Academy of Technology & Management

(Autonomous Institute under VTU)

Affiliated to VTU
Approved by AICTE
Accredited by NAAC with A+ Grade
4 Programs Accredited by NBA
(CSE, ISE, ECE, MECH)

Faculty Name	Dr P. Sudhakar	
Academic Designation	Assistant Professor	
Educational Qualification	PhD	
Experience in Teaching & Industry	6 & 3	
Date of Joining	13-08-2026	
Official Email ID	Sudhakar-mech@dsatm.edu.in	
Employee ID	22540	

Educational Details

Ph. D (Mechanical Engineering)
M. Tech (Solar Energy)
B.E (Mechanical Engineering)

Professional Experience

Teaching Experience 06 years

Publications

1. BE Naveena, S J Muthiya, D GS, P. Sudhakar et al. Plasma-sprayed barium titanate cathode coatings for hydrogen evolution in electrolysis. Ionics, 2025, 1–12. (Springer, IF 2.4)
2. VS Vigneswaran, A Ajithkumar, P Sudhakar et al. Comparative assessment of indirect vs direct cabinet solar dryers: A techno-economic analysis. Solar Energy, 2024, 268, 112-266. (Elsevier, IF 6.0)
3. P Sudhakar, R Santosh, B Asthalakshmi, G Kumaresan, R Velraj. Performance augmentation of solar PV panel through PCM integrated natural water circulation cooling. Renewable Energy, 2021, 172, 1433–48. (Elsevier, IF 9.0)
4. P Sudhakar, G Kumaresan, R Velraj. Experimental analysis of solar PV unit integrated with free cool thermal energy storage. Solar Energy, 2017, 158, 837–44. (Elsevier, IF 6.0)

5. G Kumaresan, P Sudhakar, R Santosh, R Velraj. Experimental and numerical studies of thermal performance enhancement in solar parabolic trough collectors. Renewable & Sustainable Energy Reviews, 2017, 77, 1363–74. (Elsevier, IF 16.3)
6. VS Vigneswaran, G Kumaresan, P Sudhakar, R Santosh. Performance evaluation of solar box cooker with latent heat energy storage for cooking. IOP Earth & Environmental Science, 2017, 67, 012-017.

International Conferences Attended:

- ▶ Performance Evaluation of Solar Box Cooker with Latent Heat Energy Storage. ICRET-2017, Thammasat University, Thailand.

National Conferences:

- CFD Analysis of Archimedes Spiral Wind Turbine. 3rd International Conference on Futuristic Advancements in Materials, Manufacturing and Thermal Sciences, held at IITRAM Ahmedabad 2026.
- ▶ Effect of Biomass Fuel on Thermal Efficiency of Four Pan Jaggery Plant. ASME IMECE-India, Hyderabad, 2025. DOI: 10.1115/IMECE-INDIA2025-160726
- ▶ Design of Automatic Fire Extinguisher System for Electric Vehicles. ISPES-2023, Dayananda Sagar College of Engineering, Bengaluru. ▶ Experimental and Theoretical Analysis of Low-Cost Solar Still with Storage. AMCES-2023, Bengaluru.

Awards

Not Applicable

Academic Activity

Teaching, R & D, NBA/NAAC/ISO activities,
Patent Drafting/Prosecutions

Faculty Development Activity/Workshops

- ▶ NPTEL: Effective Engineering Teaching in Practice (Jan–Apr 2024), Patent Drafting for Beginners (Jan -Feb 2025), Outcome based Pedagogic Principles for Effective Teaching (Feb-Mar 2026)
- ▶ CAD/CAE Tools: Pro-E, CATIA, ANSYS, AutoCAD — CADDAM Technologies, Chennai
- ▶ SolidWorks, GD&T, HyperMesh — CADD Centre, Chennai
- ▶ FLUENT CFD training — AUFRG, Anna University, Chennai ▶ LaTeX for Scientific Writing — Skill Development Programme

Contact Details

1249, 45th Cross,
Kumaraswamy Layout,
Bengaluru – 560 078