



AICTE-Vibrant Advocacy for Advancement and Nurturing of Indian Languages Institution

3 Day Workshop On

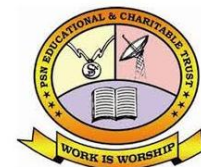
Solar Thermal Energy, Storage and Its Industrial Applications.

Emerging Field: **AI/IoT-Based Monitoring and**

Control of Solar Thermal Systems

In

Tamil



Scheduled Dates: 09.09.2026 – 11.09.2026

Workshop Schedule

Day	Morning Session		Afternoon Session	
1	Session I Dr.S.Suresh, Professor/ Mechanical Engineering, National Institute of Technology Trichy. Parabolic Trough, Solar Tower and Linear Fresnel Technologies: Principles, Performance and Comparative Analysis	Session II Dr.M.Chandrasekar, Assistant Professor (Sr.Gr.)/ Mechanical Engineering, Anna University Tiruchirappalli. Optical and Thermal Performance Modelling of Solar Thermal Collectors	Session III Dr.M.Chandrasekar, Assistant Professor (Sr.Gr.)/ Mechanical Engineering, Anna University Tiruchirappalli. Molten Salt Thermal Energy Storage Systems for Continuous Solar Power Generation	Session IV Mr.M.S.Syed Abdur Rahman, Head – Product Development, Venus Home Appliance Private Limited, Tuticorin. Industrial Design, Product Development and Commercialization of Solar Thermal Systems
2	Session V Dr.A. Valan Arasu, Professor/ Mechanical Engineering, Thiagarajar College of Engineering, Madurai. Solar Parabolic Trough Collector with Tracking: Design, Fabrication and Testing Standards	Session VI Dr.A. Valan Arasu, Professor/ Mechanical Engineering, Thiagarajar College of Engineering, Madurai. Phase Change Materials for Solar Energy Storage: Selection, Design and Industrial Applications.	Session VII Dr.Udaya Kumar Ganesan, Advanced Sustainability Engineer, Honeywell, Madurai. India's Solar Thermal Framework: Policies, Technologies and Sustainable Energy Transition	Session VIII Dr.P.Selvakumar, Professor/Mechanical Engineering, PSN College of Engineering and Technology, Tirunelveli. Concentrated Solar Power (CSP) Systems: Design, Performance Analysis and Thermal Energy Storage Integration
3	Session IX Dr.S.Karthikeyan, Professor/ Mechanical Engineering, Syed Ammal Engineering College, Ramanathapuram Industrial Solar Process Heat Systems: Integration, Applications and Case Studies	Session X Mrs. B.Preethi, CEO, PSNTEC Business Incubator Federation. Solar Thermal Drying Technologies for Sustainable Agro-Industrial Applications	Session XI Dr. T Ram Prabhu, Senior Level Scientist/Additional Director, Defence Research and Development Organisation, DRDO, Bangalore. Additive Manufacturing Technologies for Next-Generation Solar Thermal Components	Session XII Mrs. B. Preethi, CEO, PSNTEC Business Incubator Federation. AI/IoT-Based Monitoring, Control and Digitalization of Solar Thermal Energy Systems