

## ENERGY APPLICATIONS LABORATORY

### Faculty Details:



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### About the Laboratory:

Research in the field of Energy storage with the applications of Phase Change Material (PCM) carried out in the Energy Applications Laboratory. Applications of PCM like Thermal comfort in the buildings etc done. Waste heat recovery from IC Engine exhaust and PCM based energy storage done at the laboratory.

### Accomplishment:

Three Ph.D. Research scholars completed their research and others are doing research.

### List of Ph.D. Research Scholars:

S. No.	Name	Thesis Title	Year of passing/Status
1	<b>Dr. N. Rajamani</b>	Experimental Investigation on Cool Thermal storage Integrated with Chiller System for Effective Utilization of Solar Energy and Building Energy Demand Management	Ph.D. Viva-Voce completed on 11.06.2020 at 11.30 AM
2	<b>Dr. S. Kumar</b>	PCM Integrated Hollow Brick Composite as Building Envelope Material for Efficient Thermal Management in Buildings	Ph.D. Viva-Voce completed on 28.04.2022 at 11.30 AM
3	<b>Dr. AR. Pappu</b>	Indoor Thermal Performance Enhancement of Commercial Buildings through integration of PCM/Insulation/Ventilation Strategies	Ph.D. Viva-Voce completed on 17.06.2022 at 2.00 PM

4	<b>Mr. Kaiwalya raj</b>	Energy Efficiency in Buildings through Sustainable Technology Concepts	Confirmation Completed
5	<b>Mr. R. Manivannan</b>	Development of a Framework for Building Sector in Energy Efficiency under Pat Mechanism	Confirmation Completed
6	<b>Mr. X. Regis</b>	On The Effect Of Augmentation of Galerkin's Weighted Residual Method To Structural And Thermal Problems	Course work completed
7	<b>Mr. V. Sharan Srinivas</b>	CFD Analysis In Sea Water Desalination	Course work completed
8	<b>Mr. J. John Mathuram</b>	Renewable Energy Driven Cold Storage System To Enhance Socio-Economical Aspect Of Rural Population	New Registration