



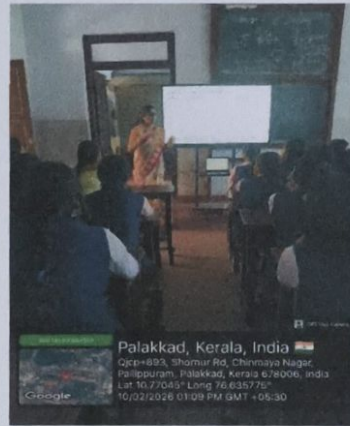
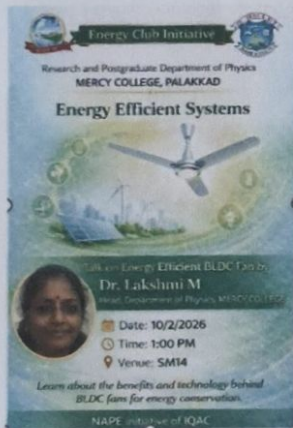
Mercy College
Palakkad, Kerala, India 678006
Govt. Aided Arts & Science College
Affiliated to the University of Calicut
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RESEARCH & POSTGRADUATE DEPARTMENT OF PHYSICS


ENERGY EFFICIENT SYSTEMS

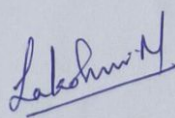
Objectives: The objective of the talk was to create awareness among students about energy-efficient systems with a special focus on BLDC fans. It aimed to bridge theoretical concepts of physics with real-life applications and to encourage analytical thinking on energy conservation and cost effectiveness.

Report: As an initiative of the Energy Club, Department of Physics, a talk titled “*Energy Efficient System: Introducing BLDC Fan*” was organized on 10/02/2026 at 1:00 PM in Seminar Hall SM14. The session was delivered by Dr. Lakshmi M, Head of the Department of Physics, who explained the working principles, advantages, and economic benefits of BLDC fans by comparing them with conventional induction fans using physics-based analysis. Around 80 students actively participated, and the session concluded with an interactive discussion and doubt-clearing segment.

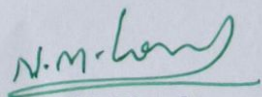


Outcome: The program enhanced students’ understanding of energy-efficient technologies and their practical relevance. Participants were motivated to evaluate energy profit margins and adopt sustainable systems in daily life.


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മേഴ്സി കോളേജ്, പാലക്കാട്-6