



Mercy College
Palakkad, Kerala, India 678006
Govt. Aided Arts & Science College
Affiliated to the University of Calicut
Accredited by NAAC with A Grade IV Cycle

RESEARCH & POSTGRADUATE DEPARTMENT OF PHYSICS

WORKSHOP ON CONVERSION OF ORDINARY FAN TO BLDC FAN

(An Energy Club Initiative)

Objectives: To introduce students to energy-efficient technologies and promote awareness about power conservation. To provide hands-on experience in converting a conventional ceiling fan into a Brushless Direct Current (BLDC) fan and to develop practical technical skills among students.



Report: The Research and Postgraduate Department of Physics, Mercy College, Palakkad, under the Energy Club Initiative, organized a workshop on Conversion of Ordinary Fan to BLDC Fan on 16 February 2026 in SM14. The workshop was conducted in collaboration with the Energy Club of MES College, Mannarkkad. The session demonstrated the working principles of BLDC technology and guided participants through the process of converting a conventional ceiling fan into an energy-efficient BLDC fan. Students actively participated in the hands-on session.

Outcome: The workshop enhanced students' understanding of energy-efficient technologies and practical electronics. Participants gained hands-on experience in fan conversion techniques and developed awareness about sustainable energy solutions and power conservation.

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