



**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

### TUTORIAL ON ExpEYES

**Objective:** The tutorial aimed to introduce students to ExpEYES, a low-cost, open-source experimental toolkit for learning physics and electronics. It sought to promote hands-on learning through real-time data collection and familiarise students with using the ExpEYES kit for basic circuit experiments.

**Report:** The session was conducted on 29 January 2026 by the Research and Postgraduate Department of Physics and was led by Ms. Megha N, a second-year FYUGP student, as a peer-teaching initiative. She demonstrated the ExpEYES kit setup, interfacing with mobile phones and laptops, and performed experiments on half-wave rectifiers, full-wave rectifiers, and V-I characteristics, with support from Dr. Lakshmi M.



**Outcome:** The session provided first-year students with a new and engaging experimental learning experience while reinforcing practical knowledge for second-year students. It encouraged students to independently explore experiments using the ExpEYES kit and increased their confidence in handling electronic measurement apps like SEELab.

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