

Report on Two-Day Workshop on Home Appliances and Basic Electronics

Date:- 10-09-2026 to 11-09-2026

No. of Participants:- 30 students

Description of the Programme :

The Department of Physics, Sri Durga Malleswara Siddhartha Mahila Kalasala, Vijayawada, organized a Two-Day Workshop on Home Appliances and Basic Electronics for Physics students on 10th and 11th September 2026. The students visited an ITI College to gain practical knowledge and hands-on exposure to electrical and electronic equipment.

On Day 1 (10-09-2026), students learned about various home appliances and electrical components. The session included clamps, hooks, switches, sockets, plugs, PVC and metal boxes, fuses, buttons, and indicators. Students were also introduced to electrical measuring instruments such as ammeter, voltmeter, multimeter, and digital frequency meter. The different parts and basic working of bulbs, ceiling fans, exhaust fans, geysers, ovens, stoves, and washing machines were explained.

On Day 2 (11-09-2026), students learned about Basic Electronics. The session covered basic electronic components and their types, resistor colour codes, transistors, diodes, and transformers. The practical demonstrations helped students understand the functions and applications of these components.

The workshop was informative and interactive, providing students with valuable practical exposure beyond the classroom. Students actively participated in the sessions and clarified their doubts with the instructors.





Overall, the two-day workshop was a useful learning experience that enhanced the students' practical knowledge of electrical appliances and basic electronics and helped them understand the real-life applications of Physics.