

**GOVERNMENT DEGREE COLLEGE**  
**KARVETINAGARAM, CHITTOOR (DT), A.P.**



**Certificate Course**  
**On**

**Electrical Home Appliances**

*Organized by*

Department of Physics



**GOVT. DEGREE COLLEGE, KARVETINAGARAM, CHITTOOR DIST.**

Date: 02-01-2025  
Karvetinagaram

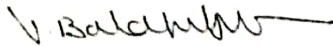
**CIRCULAR**

All the second and Final year B.Sc students are hereby informed that the Department of Physics is going to commence a certificate course on "**Electrical Home Appliances**" from 06-01-2025 in the afternoon sessions.


Duration of the Course: 30 Hours


Course Fee: Free of cost

For further details contact Dr. T. Raghuraman, Department of Physics



Lecturer- incharge

  
PRINCIPAL  
Govt. Degree College  
KARVETINAGAR - 517582  
Chittoor Dt. A.P.

 OKEN Scanner

**GOVT. DEGREE COLLEGE, KARVETINAGARAM, CHITTOOR DIST**

**Certificate Course on "Electrical Home Appliances"**

**SYLLABUS**

Total: 30 hours

**Unit- 1: Basic Electricity Principles**

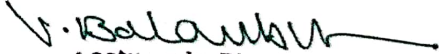
Volatage, Current, power, Resistance, Capacitance, Inductance, color code, Electrical Conductors and Insulators, Ohm's law, Series and Parallel Combinations of resistors, Galvanometer, Ammeter, Voltmeter, Multimeter, Transformers, Junction diode and transistor.

**Unit - 2: Understanding Electronic Circuit**

AC and DC source, rules and analysis, DC source, Electric circuits, current voltage drops across the Dc circuit elements, rectifier (half wave full wave and bridge) voltage regulator using zener diode..

**Unit- 3: Electrical appliances**

Electric Motor, Fan, refrigerator, iron box, LED, Electric heaters, Air conditioner, electrical energy calculations.

  
Lecturer in Physics  
Govt. Degree College  
Karvetinagaram - 517 582  
Chittoor (Dist.)



**Brief Report on**  
**Certificate course on**  
**“Electrical Home Appliances”**

A certificate course on **Electrical Home Appliances** was inaugurated on 6<sup>th</sup> January 2025 in this college by the principal Dr. S. Vijayulu Reddy. The course duration was 30 hours. This course was run free of cost to the student by the Department of Physics. The course was run by Dr. V. Balasubramanyam Achari and Dr. T. Raghuraman. The course was conducted one hour per day including Practical's. Twenty students are enrolled in this course.

After completion of the course, Certificates were distributed to the students on 28-02-2025.

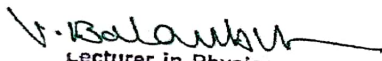



**Certificate Distribution for “Electrical Home Appliances” Certificate Course.**

## Outcomes of Electrical Home Appliances:

The certificate course will provide you, a complete knowledge on **Electrical Home Appliances**.

- ❖ Creating new knowledge
- ❖ Developing physical and manual skill
- ❖ Developing feeling and emotion
- ❖ Knowledge about home appliances

  
Lecturer in Physics  
Govt. Degree College  
Karvetinagar - 517 582  
Chittoor (Dist.)

  
PRINCIPAL  
Govt. Degree College  
KARVETINAGAR - 517582  
Chittoor Dt. A.P.