

Training on

Basics on Electrical Appliances and Refrigeration mechanism

Title of the Workshop : Basics on Electrical Appliances and Air Conditioning mechanism

Workshop Description: “electrical Appliances “ paper is introduced for For 1 st semester science students as a part of their curriculum. To get them hands-on experience this workshop is arranged.

Proposed Time(s) and Date(s) 15 march 2022 to 19 March 2022 (4 days)

10 AM - 1 PM



S.R.R. & C.V.R. GOVT. DEGREE COLLEGE

(Autonomous)

NAAC accredited with 'B+' Grade

Machavaram, VIJAYAWADA - 520 004. Krishna District.

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Dr. K. Bhagya Lakshmi, M.Sc., M.Phil., Ph.D.

Principal

Date

Dt: 03.03.2022,

From

Dr.K.Bhagya Lakshmi M.Sc., M.Phil., Ph.D.

Principal,

SRR & CVR Government Degree College (A)

Vijayawada

To

The Principal,

Government ITI College,

Vijayawada.

Respected Sir,

Sub: SRR & CVR Government Degree College (A), Vijayawada-
Department of Physics & Electronics- Work shop on Electrical
Appliances at your Institute- Permission-Request-Regarding.

I would like to request that to conduct a workshop on "Electrical Appliances" at your institute for the period of one week to our students. It would be very helpful for students to get hands-on experience for their skill development paper on "Electrical Appliances", which is introduced in 1st semester B.Sc course according to the norms of new NPE. The main focus of the workshop will be working and maintenance of Electrical Appliances.

At present 179 students are studying B.Sc Physics & Electronics course in our college. The duration of the workshop will be 10 to 12 PM for the period of 1 week at your convenient dates for 30 students per batch.

Hence, I request you to permit the students to get work experience at your institute as work shop.

Thanking you Sir,

Yours sincerely,

PRINCIPAL

SRR & CVR GOVT. DEGREE COLLEGE
(Autonomus)

Machavaram, VIJAYAWADA - 520 004.

Course outline

Date	Session	Content	Remarks
15-03-2022 10 - 1 PM	1	Principles of working, parts and servicing of Electric fan, Electric Iron box,	2 batches , 33students per each Batch
16-03-2022 10 - 1PM	2	Principles of working of Electric bulbs, CFL, LED lights, Testing Choke, Capacitor, Electric Cooker	
17-03-2022 10-12 PM & 3- 5 PM	3	Basic science of REFRIGERATION., Basics of air conditioning	
19-03-2022 10-12 PM & 3- 5 PM	4	electrical parts of air conditioner testing, function.electronic components.	

From All the sciences groups, MPCs, MECs, MPCA & MPC of I st semester total 66 had joined in this hands-on experience training Programme.

[Participated Students Details](#)

Instructors

Sri Kishore, Sri Anil from Electrical department faculty of Government ITI , Vijayawada & Sri Surya Prakash from Hitachi Company staff through APSSDC.

Lab Equipment : Ceiling Fan windings, stator, rotor; Electric bulbs, Choke, capacitor, electric Cooker, Mixie Grinder , series Bulb connection for testing, Air conditioning trainer by Hitachi available at Government ITI, Vijayawada. Electrical Department , Govt ITI Vijayawada is used as Training Room.







Learning Outcome

Students are aware how to test any electrical device like Bulb, grinder, choke coil, capacitor, electric cooker etc. How to check and repair any electrical device using safety measures. They got the knowledge of the mechanism how refrigerants cools the environment etc.