



RAMAIAH
College of Arts, Science &
Commerce

ಎಮ್ ಎಸ್ ರಾಮಯ್ಯ ಕಲಾ, ವಿಜ್ಞಾನ ಮತ್ತು ವಾಣಿಜ್ಯ ಕಾಲೇಜು
M S Ramaiah College of Arts, Science and Commerce
Re-accredited 'A' by NAAC. Permanently Affiliated to Bengaluru City University,
Approved by Government of Karnataka. Approved by AICTE, New Delhi.
Recognized by UGC under 2f & 12B of UGC act 1956
nirf (National Institutional Ranking Framework, Ministry of Education, Govt of India)
Ranked 55th in NIRF India Ranking by MHRD, New Delhi
DBT Star College Scheme

MSRCASC/ELE_LST/2022-23/01

Date: 16/01/2023

CIRCULAR

The Department of Electronics is conducting "LABORATORY STAFF TRAINING" for LAB attenders-MSRCASC on 21/01/2023 at Electronics lab (ROOM number 310) under DBT star college scheme from 10:30AM to 11:30PM. The interested candidates can register your name in the Electronics Department.

[Signature]
HOD
16/1/2023

[Signature]
DBT Star College Scheme
Co-ordinator

[Signature]
16/01/23
Principal

HEAD OF THE DEPARTMENT
Department of Electronics
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Report on

“Laboratory Staff Training Program”

Date : 21st January 2023

PATICIPANTS: Lab Staff (All Departments)

Resource person: Mrs Asharani R

Time: 10:30 am

Venue: Electronics Lab

Faculty in charge: Dr Naveen Kumar R

The Electronics Department had organized a one-day Laboratory Staff Training Programme on the familiarization of electronic testing and instruments.

The objectives of the program are:-

- To make the laboratory staff aware of the electronic equipment used for testing.
- To gain Knowledge in basics of electricity and its dependents on electronics
- To impart them knowledge how to apply it ion to their day today activities.

The Program had started around 10:00 am and it is started with a welcome speech by the Head of the Department Dr Naveen Kumar R. Mrs AshaRani R, Assistant Professor, Department of Electronics took the initiative to train the laboratory staff and medium of instruction was in kannnada. Mrs Asha Rani R explained to them about the power/voltage available from supply mains and how they can check using the mustimeter, so that even in their homes, in case of any power fluctuations, they can go for checking it. She elaborated on the fuses and how to wire in case of power failures.

She demonstrated to them how to use the soldering iron and how it will be helpful in their house holds if there is any repair of any electrical appliances required. She also demonstrated



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Photos of "Laboratory Staff Training Program"



Faculty incharge

Ashwini

Dulrini H

**DBT Star College Scheme
coordinator**

Vatibaliy

Principal
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them the wattage requirements lights, fans, tubes, geysers, TVs and motors and how efficiently they have to use it.


Mrs AshaRani also made them aware of the shock hazards, how to handle in that situation and how to find the potential hazards. She also made them clear how to interpret the electricity bills, so that they can check on their monthly electricity bills for the information regarding the units consumed and extra charges levied on the additional units consumed.

Mrs Asharani demonstrated the printed circuit boards (PCB) and the electronics components soldered to it like transformers, resistors, capacitors, voltage regulators, transistors and integrated circuits and explained to them basic working and its functions in very simple language.

She also demonstrated the AC supply, DC supply, current requirements for all the electronic gadgets and instruments in the laboratory, Ampere requirement for electronic devices in the industry and home equipment's. necessary steps taken in case of cabling, extension of power cable, insulation methods, automation of home appliances, limitation of current usage, low power consuming devices like replacing LEDs instead of high-power consuming filament pulps. Five star devices and their power requirements. She motivates all the laboratory staf to convey their knowledge to colleagues and family members. The laboratory staff from all the Departments participated the training program and shown keen interest throughout the session. They themselves used the instruments regardless of their working platform. They assured that they are interested to participate further training programs.

Outcomes:-

- Imparted basic knowledge on electricity and how to utilize it carefully.
- Gained knowledge on the repair of electronics equipment.
- Motivated them to impart this knowledge to fellow mates.


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