



RAMAIAH

College of Arts, Science
& Commerce

Department of Electronics

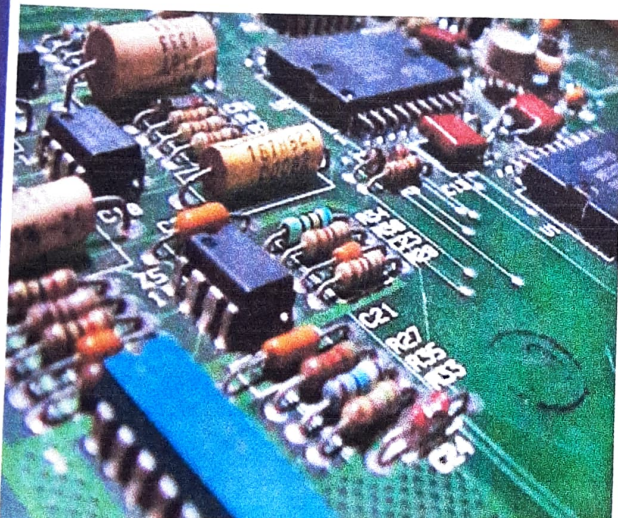
**Organizes
Awareness
Programme on Basic
Electronics "scientific
acquaintance among
the young minds"**

On

12/09/2023

Place: 310 Electronics LAB

Time: 10:00AM to 11:30AM



Objectives

- To bring the importance of science subject in the curriculum
- Electronic inventions and working
- To bring the young mind to think about scientific model
- To raise an awareness about electronics and its applications for students.

Expected Outcomes

- To enhance the knowledge of students in electronic circuits and its importance.
- Encourage the pupils to identify the different components in the electronic circuits.
- To bring the wakefulness among the young minds in working of electronic models

Course Coordinator

Dr. Naveen Kumar. R. Assistant Professor & HOD, Dept. of Electronics, MSRCASC

Mrs. Asharani. R. Assistant Professor, Dept. of Electronics, MSRCASC



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M S Ramaiah College of Arts, Science and Commerce

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Approved by Government of Karnataka, Approved by AICTE, New Delhi,

Recognized by UGC under 2f & 12B of UGC act 1956

MSRCASC/ELE_OA/2023-24/01

Date: 08/09/2023

CIRCULAR

The Department of Electronics is conducting awareness program on basic electronics “**Scientific acquaintance among the young minds**” for children of Ramaiah Vidhyanikethan on 12/09/2023 at Room number 310 from 10:00AM to 11:30AM.


HOD

HEAD OF THE DEPARTMENT

Department of Electronics

M. S. Ramaiah College of
Arts, Science & Commerce

M.S.R. Nagar, Bangalore-560 054



DBT Star College Scheme

coordinator

CO-ORDINATOR

DBT-STAR COLLEGE SCHEME

M.S. Ramaiah College of Arts, Science & Commerce

MSRIT Post, MSR Nagar, Bangalore - 560 054



Principal

Principal,

M.S. Ramaiah College of Arts, Science & Commerce

MSRIT Post, MSR Nagar

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Report on

Awareness Program on Basic Electronics "Scientific Acquaintance Among the Young Minds"

Date: 12/09/2023

COURSE: BSc ECs 3rd SEMESTER.

Resource person: Dr. NAVEEN KUMAR R

Venue: Electronics Lab 310

Objectives:

- To bring the importance of science subject in the curriculum
- Electronic inventions and working
- To bring the young mind to think about scientific model
- To raise an awareness about electronics and its applications for students.

Department of Electronics conducted outreach Activity on Electronics "Scientific Acquaintance Among the Young Minds" for Ramaiah vidyanikethan school students. School teachers along with 30 students are visited Electronics department.

Dr.Naveen kumar R, HOD, Department of Electronics, MSRCASC has given the brief introduction about the awareness program on Basic Electronics and the significance and benefits of the training program. The session conducted by to Dr.Naveen kumar R, HOD and Mrs Asharani R Assistant Professor Department of Electronics, MSRCASC. Dr.Naveen kumar R deliver the brief introduction about electronics and its applications. The session started about electronic devices, their components, troubleshooting, and repair techniques. This session continued with the Active and Passive components application, different types and area where the tiny electronic components used. The students are very curiously debugging the things and raising the question regarding application.

In the first session of the program, the basics of Electronics, detailed about electrical tools essential to build electronic circuits, Resource person instructed about the safety measures to be followed while dealing with the electronic components. Mainly highlighted the different



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symbols used to illustrate electronic components and some of the circuit diagrams are represented and made students to identify them, Introduction to breadboard, types of circuits, working of a switch was explained. Workshop Mainly Focused on rigging of circuits using LED, Resistors, switch, Battery using breadboard. Participants were able to identify different values of resistors by understanding the color codes of the resistors.

The second session was carried out by Mrs Asharani R Assistant Professor Department of Electronics, MSRCASC. Second session was focused on explaining the color codes of the resistor. Initially Participants were asked to draw the simple circuit in the paper using pencil to ensure the current flows through the graphite and attach LED to one end of the circuit and to attach a battery on another end to glow the LED. To make the participants familiar with the uses of a breadboard and its different parts, a simple circuit was built using one LED, a resistor and a battery. Then the Parallel and series circuits were built by the participants using three resistors, LED and a battery. Made the students feel the electronic components practically. Given them to identify the resistor with the help of color coding. Students actively participated in the activity and learnt with fun.

Finally exhibited some of the models done by students of 6th semester given idea about the tiny components used in the projects and the working of them and other application of the components. The participants gone through all the models and practically learnt the things.

Outcome:

- To enhance the knowledge of students in electronic circuits and its importance.
- Encourage the pupils to identify the different components in the electronic circuits.
- To bring the wakefulness among the young minds in working of electronic models


Faculty in charge:
(Mrs. Asharani R)


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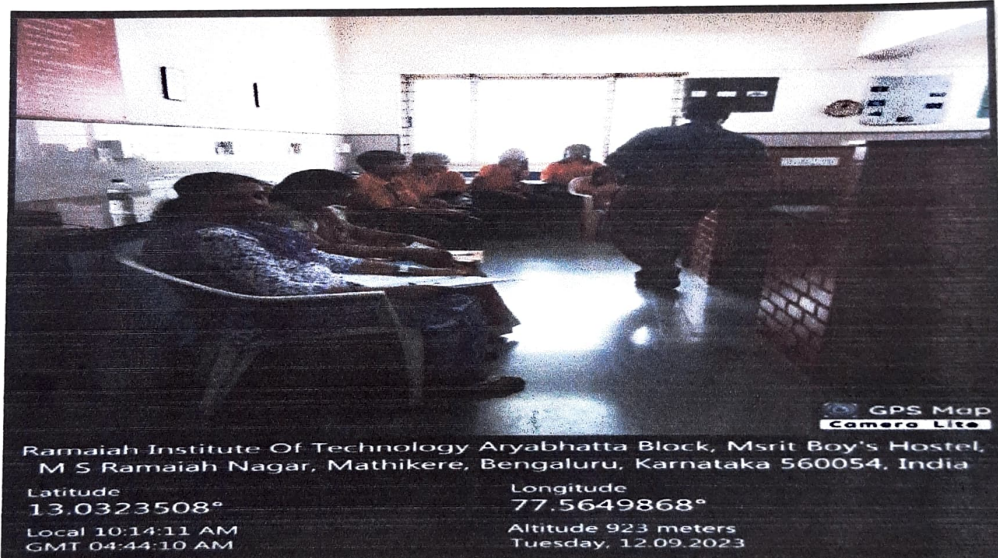
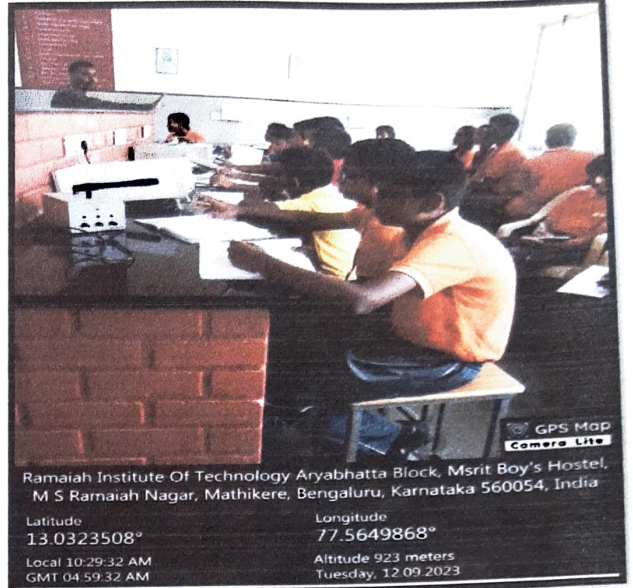


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Photos of Awareness Program on Basic Electronics “Scientific Acquaintance Among the Young Minds”



Faculty in charge:
(Mrs Asharani R)

[Signature]
HOD

[Signature]
DBT Star College Scheme
Coordinator

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