

## NOTICE



### P. R. Pote Patil Group of Educational Institutions, Amravati

Pote Estate, Pote Patil Road, Kuthora, Amravati, (Maharashtra)

0771-25-0242, 04, 2530028 Fax No: 0771-2530041 Email: prpote@prpote.com website: www.prpote.com

Ref: PRCEN/

Date:

No. PRCEN/Notice/105/2022

Date: 21-07-2022

### NOTICE


We have arranged two days hands on workshop of Basic Electrical - Electronics for technical support staff of all colleges of our group by expert Mr. Mangesh Bharati (MDB Electronics Pvt. Ltd.).


All Principal are requested to allow technical support staff to attend this two days workshop. The certificate will be issued after completion of this workshop.

Date: 22<sup>nd</sup> & 23<sup>rd</sup> July 2022

Time: 11.00 am to 4.00 p.m

Venue: Electronics workshop (Electronics Dept.)

  
Prof. A. A. Ghate  
Event Coordinator

  
Director

To,

- All HODs : Electrical / EXTC / Mechanical / CSE / Civil
- Principal, P. R. Pote Patil College of Pharmacy
- Principal, P. R. Pote Patil College of Agriculture
- Principal, P. R. Patil College of Architecture.
- *Dean, P. R. Pote Patil Institute of Hospital & Medical Sci. Amravati*

PRCEM, Amr.

  
Principal

P. R. Pote (Patil) Edu. & Welfare Trust's  
Group of Institution's  
College of Engg. & Management  
Kathora Road, AMRAVATI.

**Method of Instruction:**

Physical Performance in Electronics Laboratory

**Course Mapping with POs and PSOs:**

Workshop							Academic Year: 2022-23					
Course/Subject: Basics of Electrical & Electronics												
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	-	1	2	1	-	-	-	-	-	-	-	-
CO2	1	2	2	-	-	-	-	-	-	-	-	-
CO3	-	-	-	-	-	-	-	-	-	-	-	1
CO4	-	-	-	-	-	-	-	-	-	-	-	1
CO5	1	1	2	2	1	-	-	-	-	-	-	2
CO6	-	-	-	-	-	-	-	-	-	-	-	2
Avg	0.83	1.67	2.0	1.0	1.33	-	-	-	-	-	-	1.0

CO	PSO1	PSO2	PSO3
CO1	2	2	2
CO2	2	3	2
CO3	2	3	2
CO4	3	2	3
CO5	3	3	2
CO6	2	3	3
Avg	2.5	2.7	2.4



**P.R. Pote Patil College of Engineering and Management, Amravati**



**Department of Electrical engineering**

**Academic Year 2021-22**

**Report on**

**TWO DAYS WORKSHOP FOR SUPPORTING STAFF**

**Name of course:** Two days hands on workshop of Basic Electrical-Electronics for technical support staff

**Nature of course:** Certificate Program

**Career opportunity:** Awareness about Basics of Electrical & Electronics

**Objectives of the Course:**

1. To understand fundamentals of Electrical & Electronics
2. To describe various elements and components of Electrical & Electronics

**Outcome of workshop:** On completion of the Workshop, learners should be able to

CO1: Understand the basics of Electrical & Electronics and list their applications

CO2: Describe interface between the Electrical & Electronics System with the help of input and output modes.

CO5: Demonstration the basic concepts and hardware of Electrical & Electronics system

**Duration of course:** 22<sup>th</sup> to 23<sup>th</sup> July 2022

**Resource person:** Mr. Mangesh Bharati (CEO, MDB Electrosoft Pvt. Ltd)

**Target participants:** All Supporting Staff P. R. Pote (Patil) Educational Group.

**Course Structure and Syllabus**

**Day 1:**

Introduction to Multimeter

1. Voltage Range (AC, DC)
2. Current Range
3. Ohmic Range
4. Transistor Test
5. How to measure current

## 6. How to measure Voltage

### Introduction to Resistor:

7. Color coding of resistor
8. How to calculate resistor
9. How to measure resistance
10. How to use resistor
11. Wattage of resistor

### Introduction to Capacitor:

12. How to check Capacitor
13. How to use capacitor
14. Application of capacitor

### Introduction to CRO/DSO:

15. How to use CRO/DSO for different Measurements
16. How to measure frequency and voltage using CRO/DSO

### Introduction to diode:

17. How to check PN Junction Diode
18. How to check light emitting Diode

### Introduction to breadboard:

19. Structure of breadboard
20. How to assemble simple Circuit using breadboard

## **Day 2:**

### Introduction to ICs:

21. How to refer datasheet of IC
22. How to check IC as per datasheet

### Introduction to fixed power supply:

23. Introduction to PCB of Power supply
24. Circuit explanation
25. Assembling, soldering and Testing of Power Supply

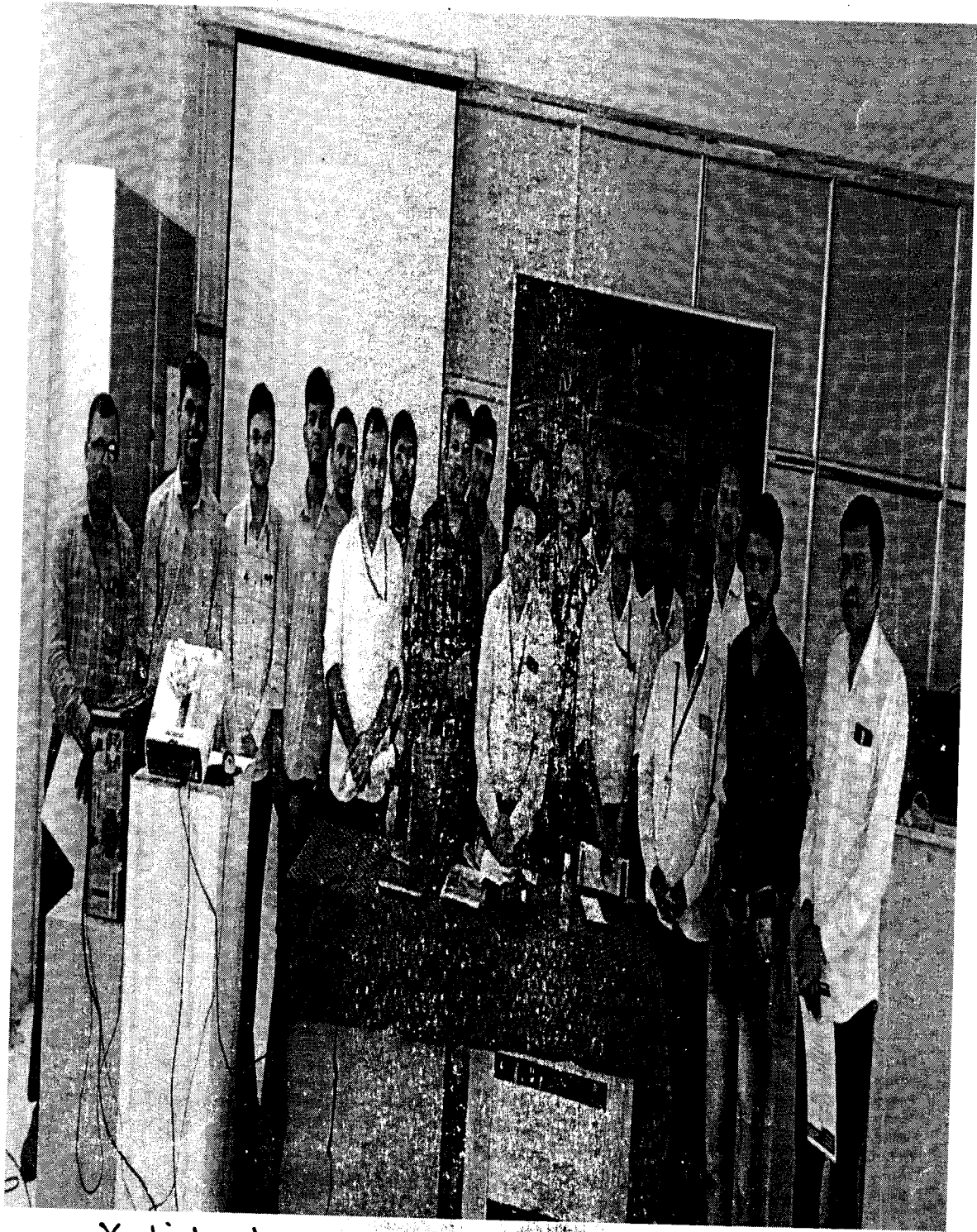
### Power supply problem checkup

Explanation of working of some of electronics based kits in lab

# Snapshots of Workshop



Hands on training on basic electrical & electronics component handling on dated 22/07/22



Validatory session by Mangesh Bhargavi  
on dated 23/07/2022

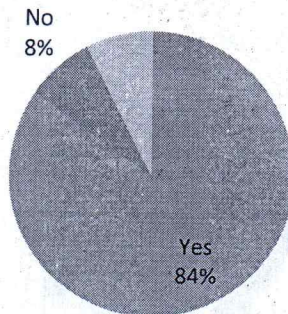


**Attendances:****P.R.POTE (PATIL) COLLEGE OF ENGINEERING & MANAGEMENT,  
AMRAVATI****ELECTRICAL ENGINEERING DEPARTMENT**

Sr. No	Name of technical Staff	Mobile No	22/07/2022	23/07/2022
01	Sunil nandurkar	9404110644	Present	Present
02	Rupwansh Tehare	9503645940	Present	Present
03	Aniket Manoj Bijwe	9527977809	Present	Present
04	Mahes jagannath Tayade	9011839613	Present	Present
05	Ramdas Kolhe	8788008965	Present	Present
06	Sanjay o bedre	7758881247	Present	Present
07	Ajay M. Deshmukh	9096365979	Present	Present
08	Vivek bansilal vaidya	9420128311	Present	Present
09	Akshay nimbhorkar	8390379623	Present	Present
10	Mangesh C. Aswar	9834721342	Present	Present
11	Amol prabhudas yeul	9503534802	Present	Present
12	Rahul Kantole	9403622777	Present	Present
13	Anil Dharmale	9657719508	Present	Present
14	Mahendra Laxmanrao Sawale	7350454781	Present	Present
15	Trishul dahake	9960248343	Present	Present
16	Ashutosh D.Zade	9850591815	Present	Present
17	Manoj R. Siraskar	7972734287	Present	Present
18	Shubham Kitukle	9503645940	Present	Present
19	Amit baitule	9049370300	Present	Present
20	Vivek Dhaskat	8830310771	Present	Present
21	Sanjay Tiwari	8390382338	Present	Present
22	Rushikesh Kadu		Present	Present
23	Sagar Bhagwatkar	9764834383	Present	Present
24	Gopal Mahajan		Present	Present
25	Nilesh Sarkate	8668934015	Present	Present
26	Sandeep Mankar		Present	Present
27	Saksham Kale	7020635524	Present	Present
28	Akshay Nimbhorkar	8390379623	Present	Present
29	Nitin Satarkar	9021636667	Present	Present
30	Shivcharan Patil	8554861462	Present	Present

## Feedback of workshop

May be 8% **Talk was up to the mark\***



**Is it useful to get clear Concept Regarding Electrical & Electronics\***

May be 4%

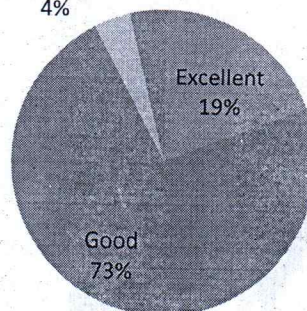
No 4%



Below Average 4%

Average 4%

**Overall rating for workshop**



**Principal**  
**P. R. Pote (Patil) Edu. & Welfare Trust's**  
**Group of Institution's**  
**College of Engg. & Management**  
**Kathora Road, AMRAVATI.**



Sample Certificate

**ISO 9001 : 2015 CERTIFIED**  
**DB ELECTROSOFT**  
We Make Your Customers Happily.

**MDB Electrosoft Pvt. Ltd.**  
CIN : U72900MH2019PTC328243

Ref. No. :- \_\_\_\_\_ Date :- \_\_\_\_\_

This is to certify that

Mr. Ajay M. Deshmukh

Has Successfully Completed 2 Days hands on workshop of Basic  
Electrical & Electronics on 22th & 23th July 2022  
at P. R. Pote College of Engineering, Amravati  
in association with **MDB Electrosoft Pvt. Ltd.**

PROF. ATUL A. GHUTE  
(Event Coordinator)  
PRPCEM, Amravati

MR. MANGESH D. BHARATI  
(CEO & Director)  
MDB Electrosoft Pvt. Ltd.

Address :- Rajapeth - Ambadevi Road,  
Near Oswal Bhavan, Amravati  
44601 MH-INDIA

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Cont. :- 9604922180, 9552811938

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*[Signature]*  
**H.O.D. (Elect. Dept.)**  
**P.R. Pote (Pali) College of Engg. & Management**  
**Amravati.**