



### A workshop on "PCB Designing" Presented by Magniva Technology Pvt. Ltd.

This workshop will provide college students a base to Printed Circuit Board Designing. They will be developing their own models by their own hands. These projects focus on PCB Designing. The workshop focuses on application and use of technology rather than their internal working so that a person can grasp the concepts well.

### Workshop Duration: 2 days (16 hrs.)

The duration of this workshop will be two consecutive days, with eight hour session each day in a total of sixteen hours properly divided into theory and hands on sessions. At the end of this workshop, a small competition will be organized among the participating students and winners will be awarded with a Merit Certificate.

**Workshop Certification:** Certified by Magniva Technology Pvt Ltd.

### About Workshop:

"This is a Workshop which is best suited to beginners who are taking their first step towards PCB Designing. This workshop basically deals with designing various kinds of electronic circuits and their use in making PCB Designing.

### Two Day workshop Schedule:

#### DAY 1:

##### > Introduction

- Z PCB & Analog Circuit Designing
- Z Basic of Hardware & Software
- Z New & Upcoming Technologies
- Z PCB Designing Software (Pspice & Eagle)

##### > Different tools used for PCB designing

##### > Introduction to all types of electronics components and testing/measuring instruments.

##### > Practical verification of electronic components with Multimeter.

##### > Different Circuit on PCB Designing Software.

- Z DC/AC Analysis of circuits. RC, RL, RLC Circuits & Resonance.
- Z Transformer Designing
- Diode & Application Circuits
- Clipper and Clamper Circuit
- BJT/JFET Amplifier Designing
- Operational Amplifiers & Application Circuits
- Flip Flops Designing
- Analog Filter Designing
- Voltage Regulators & Power Supply Circuit Design Oscillator Circuit.

##### > Schematics of Different Circuit

#### Workshop Partner:

**MAGNIVA TECHNOLOGY PVT. LTD.**

Head Office: 217, Murla Shewan, 10A Ashok Marg, Nazratganj, Lucknow - 226001

Contact No: +91-0522-4074399, +91-8696551486, +91-7505051486

Website: <http://www.magnivatech.com>

Email id: [info@magnivatech.com](mailto:info@magnivatech.com)



**DAY 2:**

**> Training of Soldering & De-soldering Technique**

- Soldering Techniques
- Different Methods of Soldering
- How to solder different components

**> PCB Designing**

- Making circuit on PCB Design Software
- Deploying basic circuits from paper to schematic window
- Testing the schematic for errors
- Making Board Layout
- Checking for errors and finalizing layout
- Etching process
- Drilling and Soldering methods of PCB

**> Testing and Trouble shooting**

- Testing and troubleshooting once your PCB is ready.
- Various trouble shooting techniques.

**> Competition**

- Competition based on workshop

Note: The participants of the workshop will be provided with all the necessary tools and components. The participants will be provided with all the necessary tools and components.

### Prerequisite for Workshop

- Passion to learn new creative things.
- Basic Knowledge of electronic Component & Circuit.
- Having basic knowledge of Computers.

### Who Could Attend?

- College students seeking future in PCB Designing.
- Education Faculty & Staff in PCB Designing.
- Electronics, Instrumentation & Communications Students.
- Students from any branch can attend the workshop.

**Workshop Partner:**

**MAGNIVA TECHNOLOGY PVT. LTD.**

**Head Office: 217, Murlidhar, 10A Ashok Marg, Hazratganj, Lucknow - 226001**

**Contact No: +91-0522-4074359, +91-9698551486, +91-7506051486**

**Website: <http://www.magnivatech.com>**

**Email Id: [info@magnivatech.com](mailto:info@magnivatech.com)**

## Workshop Highlights

- Learn & Interact with renowned Industry Experts.
- Receive an unparalleled education on the art of PCB designing with personal one-on-one attention.
- Covers all the basics of Electronics component & Circuit & Software tools.
- Printed material developed by well established Industry experts.
- Hands on Demonstrations of Latest PCB Designing Techniques & Tools.
- PowerPoint Presentation, Live Demos, Interactive Question & Answer sessions and comprehensive reading material.

## Key Benefits of Magniva Technology

- Conducted more than 200 workshops & Seminars for Students & Professionals across India.
- Conducted workshops at Top most institutes of India including IIT's, IIIT's, IIST, NIT's and Deemed Universities.
- Trained More than 20,000 students from India's Leading Institutes.

## Benefits to the Participants

- Certificate of participation would be awarded to each participant by Magniva Technology Pvt Ltd.
- Winners will get the merit Certificate by Magniva Technology Pvt Ltd.
- Free Software Toolkit CD (Containing E-Books, Software, Video's, Tutorials, projects)

## Contact Details

For more information:

Magniva Technology Pvt. Ltd.

Ph: +91-0522-4074359

Mob: +91 - 9452826171

E-mail: [info@magnivatech.com](mailto:info@magnivatech.com)

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AKHIL BHARATIYA MARATHA SHIKSHAN PARISHAD'S  
ANANTRAO PAWAR COLLEGE OF ENGINEERING & RESEARCH  
PARVATI PUNE 9

DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION  
ENGINEERING

Two Day's PCB Designing Workshop

Date : 29th & 30th March 2014

Faculty Details during Workshop

Sr.No	Name of Faculty	Designation	Sign	Mobile No.
1	Mr.madhusudan Tripathi	Technical Trainer		08882607363
2	Mr.Devdutt Rana	Technical Trainer		07503364189
3	Prof.Paramane A.N	APCOER.Faculty		
4	Prof.Bhimte Vaishali	APCOER.Faculty		7387678834
5	prof.Veer S.M	APCOER.Faculty		9028835257

  
Head

Department of E&TC Engg.  
APCOER,Parvati,Pune



The workshop conducted by the college was the amazing. The response of the student which given to us is very good either in nature or learning capabilities.

I would like to give a special thanks to the "HAZARE" Sir for their valuable time and coming nature for the students about their career and All."



DEV DUTT RANA & MADHUSUDAN TRIPATHI  
30/03/2014

AKHIL BHARATIYA MARATHA SHIKSHAN PARISHAD'S  
ANANTRAO PAWAR COLLEGE OF ENGINEERING & RESEARCH  
PARVATI PUNE 9


DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING

S.E E&TC Engineering

Two Days PCB Designing Workshop By MAGNIVA TECHNOLOGY PVT  
LTD.

SR. NO.	NAME OF STUDENT	29th March 2014	30th March 2014
1	ADAT MAKARAND RAMESH	Adat	Adat
<del>2</del>	<del>ANDHALE SONAL SATISH</del>	<del>ABSENT</del>	<del>ABSENT</del>
3	BALANDI MAHESH SANJAY	Mane	Mane
✓	BHOITE PRUTHVIRAJ SHRIRANG	P.S. Bhoite	P.S. Bhoite
✓	BHOSALE JAYANT PRATAP	Jayant	Jayant
✓	BHOSALE KIRAN TANAJI	Kiran	Kiran
✓	BHOSALE PRIYANKA DEVANAND	Priyanka	Priyanka
✓	CHAVAN ASHWINI SURESH	Ashwini	Ashwini
✓	CHAVAN PRIYA VASANT	Priya	Priya
✓	DAGADE KIRAN KUNDLIK	Dagade	Dagade
✓	DALAVI VAIBHAVI VASANT	Daalavi	Daalavi
✓	DUBAL AMAR ABASAHEB	Amar	Amar
✓	GADE DEVENDRA BALASAHEB	Devendra	Devendra
✓	GADEKAR MADHURI BABAN	Madhuri	Madhuri
✓	GAIKWADI SAGAR SATISH	Sagar	Sagar
✓	GARJE YOGESH BHAUSAHEB	Yogesh	Yogesh
17	GHADGE DATTATRAY RAJENDRA	Dattatray	Dattatray
✓	GOND MAYUR MADHAV	Mayur	Mayur
✓	HADAWLE NIKHIL RAMBHAU	Nikhil	Nikhil
<del>18</del>	<del>HONRAO GOURAV BHARAT</del>	<del>ABSENT</del>	<del>ABSENT</del>
<del>19</del>	<del>JADHAV MAKARAND MOHAN</del>	<del>ABSENT</del>	<del>ABSENT</del>
22	JEDRUKAR MANJUSHA GANPAT	Manjusha	Manjusha
23	KADAM NIKITA NITIN	N.N. Kadam	N.N. Kadam
24	KALE NEHA JAGANNATH	<del>Neha</del>	<del>Neha</del>
<del>25</del>	<del>KALOKHE AKSHAY SANJAY</del>	<del>ABSENT</del>	<del>ABSENT</del>
26	KARPE NAMRATA SHYAM	Namrta	Namrta
✓	KASHID AJAY BABUSHA	Ajay	Ajay
<del>28</del>	<del>KHARAGE PRATHMESH VINOD</del>	<del>ABSENT</del>	<del>ABSENT</del>
✓	KHIRI ANIKET CHANDRAKANT	Aniket	Aniket
30	KOLEKAR GANESH DILIP	Ganesh	Ganesh
31	KONDHALKAR AISHWARYA RAJENDRA	Ashwini	Ashwini
✓	LEKAWALE ANUPRIYA KRISHINA	Anupriya	Anupriya



  
 Head  
 Dept. OF E & TC Engineering  
 Anant Rao Pawar College of Engineering  
 & Research, Pune - 9

SR. NO.	NAME OF STUDENT	29th March 2014	30th March 2014
33	LOKHANDE ASHISH ANANDA	ABSENT	ABSENT
34	MALEKAR SAGAR BALASO	ABSENT	ABSENT
35	MANE ABHIJEET RAMESH	ABSENT	ABSENT
36	MANE POOJA SANJAYKUMAR	Present	Present
37	MORDEKAR OMKAR SANDIP	Out of Station	Out of Station
38	MORE ANKITA KISAN	Aemore	Aemore
39	MORE MAYUR KAILAS	More M.K	More M.K
40	MUSNI RAVINDRA RAMESHWAR	Ravindra	Ravindra
41	NAGARE PRANITA KIRAN	Pranite	Pranite
42	NARKE NILESH ANANDA	ABSENT	ABSENT
43	NAWALE PRAKALP SHANKAR	Prakalp	Prakalp
44	NIGADE GIRISH SATISH	Girish	Girish
45	NIKHIL AMBADAS SHINDE	Nikhil	Nikhil
46	NIMBALKAR AKSHAY RAMCHANDRA	Akshay	Akshay
47	PAKHARASANGVE YASHWANT ARJUNRAO	Yashwante	Yashwante
48	PATIL ABHISHEK SUNIL	ABSENT	ABSENT
49	PATIL PRATIKSHA ANAND	Pratiksha	Pratiksha
50	PAWAR LALASAHEB PRABHAKAR	Lawar	Lawar
51	PAWAR SUDHAKAR RAJURAO	ABSENT	ABSENT
52	PHATALE MONIKA JAIBHARAT	Monika	Monika
53	POTE NACHIKET SHIVRAJ	Nachiket	Nachiket
54	RASAL PRAVIN NANASO	ABSENT	ABSENT
55	RASKAR PRASHANT SANJAY	ABSENT	ABSENT
56	RAUT TEJAS BHALCHANDRA	Raut	Raut
57	RAVINA RASHID PATHAN	ABSENT	ABSENT
58	SHAHANE SONIYA RAVINDRA	S.R.C	S.R.C
59	SHAIKH AMIR MAHEBOOBSAB	ABSENT	ABSENT
60	SHINDI VAISHALI BABAN	Shindi	Shindi
61	SHIRASKAR GANESH JANARDHAN	Ganesh	Ganesh
62	SNEHAL GANESH KAMTHE	Snehal	Snehal
63	SONAVANE PRASANNA ABHIMANYU	Prasanna	Prasanna
64	SUTAR DILIP CHHOGARAM	Dilip	Dilip
65	TALE POOJA SHAHAJ	Tale	Tale
66	TARU MANDAR SADANANDA	Taru	Taru
67	THAKUR RADHIKA MAHESHWARSINGH	Thakur	Thakur
68	THOMBARE NEHA RAMKRISHNA	Neha Thombare	Neha Thombare
69	THORAT RAMESH DATTATRAY	Rohat	Rohat
70	TIWARI RUPAM VIDYAMANI	Rupam	Rupam
71	WAGHMARE KALYANI SATISH	Kalyani	Kalyani
72	ZOMBADE AKSHAY RAMLING	Zombade	Zombade

Total No. of present students :- 57.



Sham  
Head

Dept. DFE & TC Engineering  
K. J. Somaiya Institute of Engineering & Research, Pune - 41



**MAGNIVA**  
TECHNOLOGY PVT. LTD.

An ISO 9001: 2008 Certified Company



M457910N

# Certificate of Participation

*This is to Certify that*

Mr./Ms. \_\_\_\_\_

of \_\_\_\_\_

*has participated in "PCB DESIGNING WORKSHOP" conducted by*

*Magniva Technology Pvt. Ltd. on 29<sup>th</sup> & 30<sup>th</sup> March 2014*



\_\_\_\_\_

**For Magniva Technology**



\_\_\_\_\_

**For Host Institution  
(Sign and seal)**