

**ONLINE TRAINING PROGRAMME**

**1) Title of the Activity:** Online “Fast Track Practical Based Electronics Training Programme”

**2) Date:** 28/06/2022 to 27/07/2022

**3) Notice:** A leaflet of the program distributed through whats app

**4) Organizer:** Dr. Prakash K. Banmeru (Principal) LKDKB Science College, Lonar

**5) Course Coordinator:** Mr. Sharique S. Shaikh

**6) No of Participants:** 10

**7) Members:** Mr. Sharique S. Shaikh, Dr. R.V. Dekhale , .

**8) Resource Person:**

1. Dr. R.V. Dekhale , CEO, Perfect Electronics, Wai , Satara ,

2) Miss Yogita A. Kamble

**Contact Details:** Website - [www.perfectelectronics.net](http://www.perfectelectronics.net) , perfectelectronics@usa.com

**9) Platform:** Google Meet

**9) The Practice/Activity:**

Under the MOUs Activity, Department of Physics of Late Ku. Durga K. Banmeru Science College, Lonar Dist. Buldana organized online Training Programme on dated 28/06/2022 to 27/07/2022 entitled, ” Online “Fast Track Practical Based Electronics Training Programme.”

In this course there are 30 Experiments of 6 modules, first module “PCB Software” Second module “Schematic (circuit diagram) Software” . Third module “Operational Amplifier”. Fourth module “Digital Electronics” and fifth module entitled “Amplifiers and Oscillations” And Sixth module entitled “Soldering and De-Soldering tech.” These modules taught by Dr. R.V. Dhekale, Mr. Sharique S. Shaikh and Miss Yogita A. Kamble in entire week.

Practical sessions are taken in online mode through You-tube by all concern teachers

# Perfect Electronics

**OFFICE:** Dattnagar Galli no.4, plot 77, behind S.T. stand, Wai, Dist.-Satara, Maharashtra, phone: 02167-265121  
**Mobile:**09822241255,**Email:**perfectelectronics@usa.com,rvdheka2@gmail.com **Website:**www.perfectelectronics.net

Fast tract practical based  
 Professional Training for  
 B.E. electronics students

## Industrial Training Program for Electronics Students

### Objectives:

Objectives of the training are to get the new professional skills through experiments so that students can face the interviews successfully for getting job. This is 100% practical oriented training on the topics 1) Artwork creation for PCB using Software 2) Drawing of circuit diagrams using software 3) 5 experiments on Operational Amplifiers 4) 7 experiments on digital electronics 5) 5 Experiments on Amplifiers and oscillators 6) Soldering and de-soldering practice. All the above experiments are made by the use double sided PCBs. Which is new technique developed by Perfect Electronics. After completion of the training, a test will be conducted for the evaluation.

### Duration of Training:

Duration of the training will be 6 days. There will be training of 3 hours every day between 9.00AM to 12.00PM.

### Fee :

Rs. 2,500/- for 6 days training, 100% fee should be paid at the time of registration. Study material will be provided at the time of registration

### Eligibility:

BE(Electronics), DIE, B.Sc.(Physics/Electronics/Computer Science/IT), ITI Electronics, Vocational Electronics at XII std, Electronic Hobbyist

### Advantages of the training:

- 1) Industrial training certificate
- 2) Equivalent 6 months industry experience certificate
- 3) Free software copy to create artwork for PCB for home practice
- 4) Free software copy to draw the circuit diagrams for home practice
- 5) Solution of the questions in the test will be provided which is useful for the interview.
- 6) Name of the candidate will be registered for our placement cell and will inform about the openings in industries or engineering colleges.

### Details components of the training program:

- 1) **PCB software training (3 hours):** In which functions of the tools of the software will be explained. Sample assembled board and 5 circuit diagrams will be given to make the single & double sided PCBs. Personal help will be provided.
- 2) **Schematics (Drawing circuit diagrams) software training (3 hours):** Tools of the software will be explained. 5 circuit diagrams will be given for the practice. Personal help will be provided.
- 3) **5 Experiments from operational amplifier (3 hours):** 1) Op-Amp as inverting amplifier 2) Op-Amp as adder 3) Op-Amp. as comparator  
 4) IC 555 as Monostable multivibrator 5) IC 555 as astable multivibrator
- 4) **8 Experiments from the digital electronics (3 hours):** 1) Verifications basic and derived gates 2) De-Morgan's Theorem 3) Study of Decoder using IC7447 4) Decade counter using IC 7490 5) Half adder 6) Full adder using logic gates 7) 4-bit binary adder using IC 7483  
 8) 4-bit binary subtracter
- 5) **5 Experiments from amplifiers and oscillator (3 hours):** 1) Phase shift oscillator 2) Colpitt's Oscillator 3) Crystal Oscillator  
 4) Voltage Sweep Generator using UJT 5) Negative Feedback Amplifier
- 6) **Soldering and de-soldering practice (3 hours):** Techniques of good soldering of electronic components on the PCB will be taught.  
 Practice of de-soldering of single and double sided PCB by the use of de-soldering machine (thermo-vacuum), Desolwick Cu wire will be taught.

### Tours Visited:

Educational tours of students of engineering and science colleges visited to Perfect Electronics to see the new products developed as under:

- 1)Madhoji College, Phaltan, 2013
- 2)SVERI College of Engineering, Pandharpur, 2015
- 3)SPPP Karmayogi Polytechnic college, Pandharpur, 2015



Products presentation for  
 the B.E. electronics students  
 in deucational visit





# Lonar Col Phy Shaikh HOD

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Amrut Sevabhavi Sanstha , Parbhani  
 Late Ku. Durga K. Banmeru K. Banmeru Science College , Lonar Dist. Buldana  
 Department of Physics  
 Industrial Training Program for Electronics Students (Online)  
 Training centre – Perfect Electronics , Wai , Dist. Satara

Department of Physics Sanctioned MOUs with perfect Electronics , Wai , Dist. Satara and under such activity  
 Department of Physics organized Six Month Industrial Training Program for Electronics Students.

### List of Participated Students

Sr. No	Name of Students	Class	E-mail ID & Postal Address	Mobile Number (Wtup)	Fees paid
1	Vitthal R. Bhakade	B.Sc. III	<a href="mailto:Vitthalbhakade7@gmail.com">Vitthalbhakade7@gmail.com</a> At. Saraswati , Po. Lonar Tq. Lonar Dist. Buldana	9579550488	1500/-
2	Laxman R. Pophale	B.Sc. III	<a href="mailto:Pophalelaxman80@gmail.com">Pophalelaxman80@gmail.com</a> At. Saraswati , Po. Lonar Tq. Lonar Dist. Buldana	8975159080	1500/
3	Ku.Qaneta Mehvish M. Mirza	B.Sc. III	<a href="mailto:Farhanakhatoon1970@gmail.com">Farhanakhatoon1970@gmail.com</a> Nai Nagri , Lonar , Tq. Lonar Dist. Buldana	9518398419	1500/
4	Ku. Bhavana S. Bhavan	B.Sc. III	<a href="mailto:Bhavanbhavana31@gmail.com">Bhavanbhavana31@gmail.com</a> Sarafa line , Lonar Tq. Lonar Dist. Buldana	9175602005	1500/
5	Shubham N. Mapari	B.Sc. III	<a href="mailto:Shubhammapari007@gmail.com">Shubhammapari007@gmail.com</a> Mapari Galli , Lonar Tq. Lonar Dist. Buldana	8975967822	1500/
6	Dipak A. Mapari	B.Sc. III	<a href="mailto:Maparidipak02@gmail.com">Maparidipak02@gmail.com</a> Patel Nagar , Lonar , Tq. Lonar Dist. Buldana	9834946029	1500/
7	Keshav K. Ghodke	B.Sc. III	<a href="mailto:Ghodakckeshav575@gmail.com">Ghodakckeshav575@gmail.com</a> At. Po. Jambhul , Tq. Lonar Dist. Buldana	9021709798	1500/
8	Siddheshwar B. Sangle	B.Sc. II	<a href="mailto:Sanglesiddhu42@gmail.com">Sanglesiddhu42@gmail.com</a> At. Chincholi Sangle, Po- Lonar Tq. Lonar , Dist. Buldana	9112956636	1500/
9	Ajinkya S. Landge	B.Sc. II	<a href="mailto:Ajinkyalandge503@gmail.com">Ajinkyalandge503@gmail.com</a> At. Azad Nagar , Lonar . Tq. Lonar Dist. Buldana	7498154678	1500/
10	Swaraj D. Wagh	B.Sc. I	<a href="mailto:Swarajw6@gmail.com">Swarajw6@gmail.com</a> Ram Nagar , Lonar Tq. Lonar Dist. Buldana	9518387383	1500/

Training Co-ordinator  
 Mr. Sharique S. Shaikh  
 Dept. Of Physics

भौतिकशास्त्र विभाग  
 कें. कु. दुर्गा क. बनमेरु विज्ञान महाविद्यालय  
 लोणार जि. बुलडाणा

Principal  
 Dr. Prakash K. Banmeru  
 LKDKB Sci. College, Lonar  
 Principal

Late. Ku. Durga K. Banmeru Science College  
 LONAR, Dist. Buldana

# Schedule of Online Training Programme

Sr. No.	Date	Activity
1	22-05-2022	Sending of video links of the experiments
2	23-05-2022	Sending of practical book/charts of experiments to the by post.
3	23-05-2022	Student should learn every video of the experiments carefully.
4	28-05-2022	After getting book of charts again student should see each video with reference to corresponding chart.
5	01-06-2022	Video links of orals of every experiment will be sent.
6	02-06-2022	Students should learn each video of oral.
7	05-06-2022	Google meet will be arrange at 10.30 AM for technical discussion/oral topic on Digital Electronics
8	6-06-2022	Google meet will be arrange at 10.30 AM for technical discussion/oral topic on Operational Amplifier.
9	07-06-2022	Google meet will be arrange at 10.30 AM for technical discussion/ oral topic on Amplifier and Oscillators.
10	08-06-2022	Google meet will be arrange at 10.30 AM for technical discussion on Software of Express PCB , Design Work express and Soldering and de-soldering techniques.
11	09-06-2022	Online exam of 30 minutes on Google form will be arrange at 11 AM.
12	10-06-2022	Video feedback of students will be taken and Certificates will be sent by post.

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9:32 AM

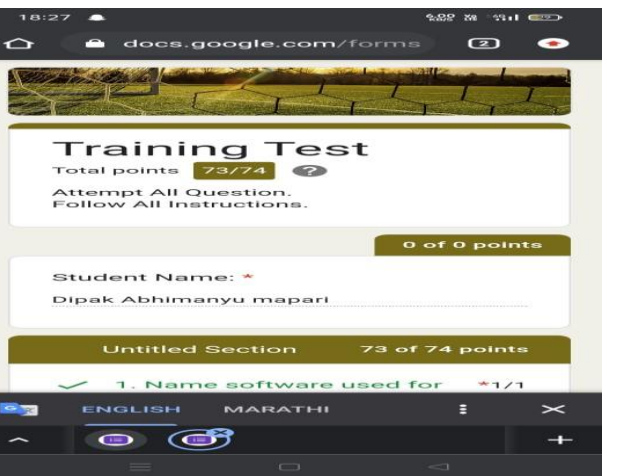
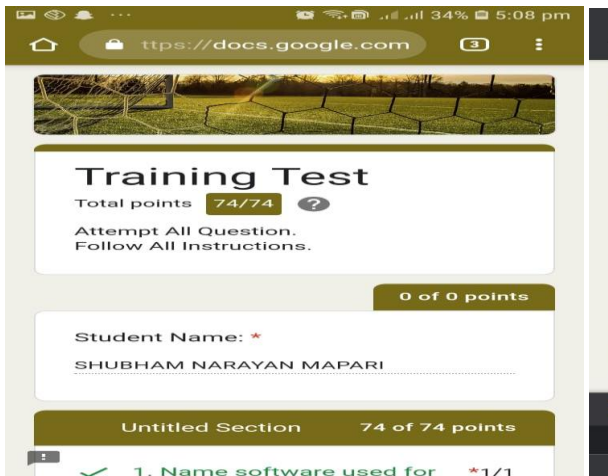
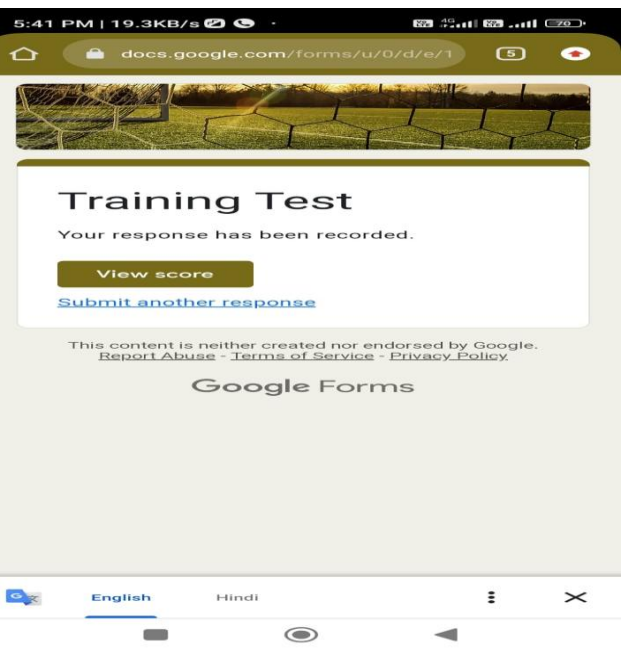
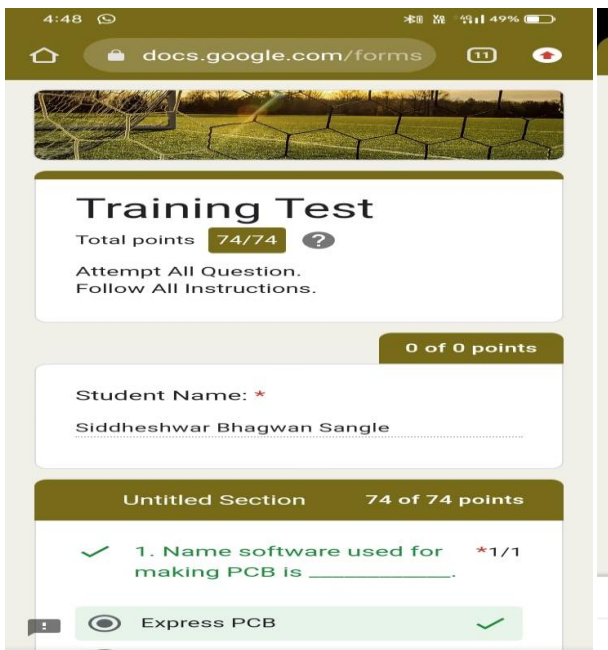
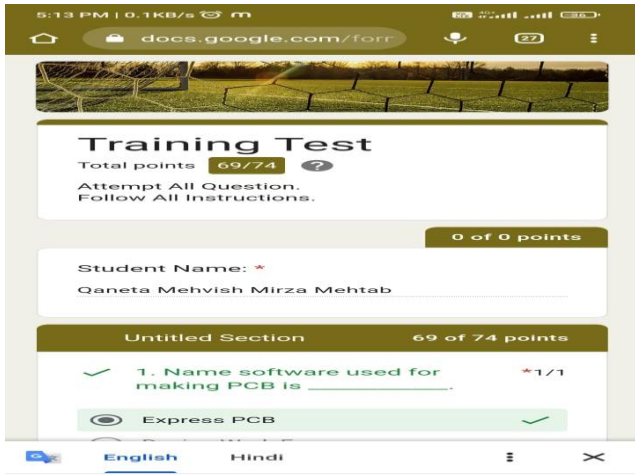
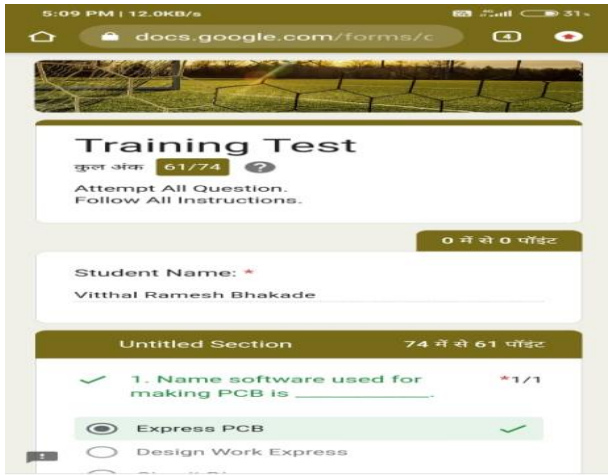


Today

9:31 AM

Edit

Deptt. of Physics of Durga Banmeru  
Science College, Lonar, Dist.- Buldhana  
have been registered their BSc students  
for Online 15 days Practical Based  
Electronics Training Programme at  
Perfect Electronics, MIDC, Wai on  
20.05.22 Under MoU to increase  
Technical knowledge of the students  
Perfect Electronics, Mobile:9822241255



## Tentative Schedule of Online Training Programme

<b>Sr.No</b>	<b>Date</b>	<b>Activity</b>
<b>1</b>	<b>28-06-2022</b>	<b>Sending of Video links of the Experiment</b>
<b>2</b>	<b>29-06-2022</b>	<b>Sending of Practical book / Charts of experiments to the students by post</b>
<b>3</b>	<b>30-06-2022</b>	<b>Students should learn every video of the experiments carefully</b>
<b>4</b>	<b>05-07-2022</b>	<b>After getting book of charts again student should see each video with reference to corresponding chart</b>
<b>5</b>	<b>08-07-2022</b>	<b>Video links of oral of every experiment will be sent</b>
<b>6</b>	<b>09-07-2022</b>	<b>Student should learn each video of oral</b>
<b>7</b>	<b>12-07-2022</b>	<b>Google meet will be arrange at 10:30 A.M for technical discussion / oral topic on Digital Electronics</b>
<b>8</b>	<b>13-07-2022</b>	<b>Google meet will be arrange at 10:30 A.M for technical discussion / oral topic on Operational Amplifier.</b>
<b>9</b>	<b>14-07-2022</b>	<b>Google meet will be arrange at 10:30 A.M for technical discussion / oral topic on Amplifiers and Oscillators</b>
<b>10</b>	<b>16-07-2022</b>	<b>Google meet will be arrange at 10:30 A.M for technical discussion on Software of Express PCB, Design Work express and Soldering and De-soldering tech.</b>
<b>11</b>	<b>26-07-2022</b>	<b>Online Exam of 30Min. on Google will be arrange at 11A.M</b>
<b>12</b>	<b>27-07-2022</b>	<b>Video feedback of students will be taken and Certificates will sent by post</b>

# Perfect Electronics

PERFECT

OFFICE : Datta nagar, Behind S.T.Stand, Wai, Dist.Satara, Maharashtra Phone: 02167-220606, Fax:02167-220606,  
Mobile : 09822241255 Email:perfectelectronics@usa.com. Support@lperfect.net, Website: www.perfectelectronics.net  
FACTORY : Plot No. B-115, M.I.D.C., Wai, Dist.- Satara. (Maharashtra)

Ref: PE/270

Date: 27-07-2022

## CERTIFICATE

This is to certify that Mr. Sharique S. Shaikh has successfully completed Online "Fast Track Practical Based Electronics Training Programme" organized by us at our company during 28-06-2022 to 27-07-2022. He has attended google meet for the presentation and learn educational videos for total 30 electronics experiments on the topics 1) PCB software 2) Schematic (Circuit diagrams) software 3) Operational amplifiers 4) Digital electronics 5) Amplifiers and oscillators 6) Soldering and de-soldering techniques.

  
Dr. R. V. Dhekale

Technical Director

**PERFECT ELECTRONICS**  
Behind S. T. Stand, Dattanagar,  
Plot No. 77, Galli No. 4,  
Wai - 412 803, Dist. Satara.  
Mobile : 9822241255

Manufacture : Automatic lecture bell system and RASHTRAGEET player, Electronics project, Electrical and Electronics experimental boards. (Fast track electronic training course for engineering students)

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Ref: PE/270

Date: 27/07/2022

## CERTIFICATE

This is to certify that Mr. Siddheshwar B. Sangie has successfully completed Online "Fast Track Practical Based Electronics Training Programme" organized by us at our company during 28-06-2022 to 27-07-2022. He has attended google meet for the presentation and learn educational videos for total 30 electronics experiments on the topics 1) PCB software 2) Schematic (Circuit diagrams) software 3) Operational amplifiers 4) Digital electronics 5) Amplifiers and oscillators 6) Soldering and de-soldering techniques.

  
Dr. R. V. Dhekale

Technical Director

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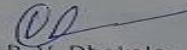
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Date: 27-07-2022

## CERTIFICATE

This is to certify that Mr. Shubham N. Mapari has successfully completed Online "Fast Track Practical Based Electronics Training Programme" organized by us at our company during 28-06-2022 to 27-07-2022. He has attended google meet for the presentation and learn educational videos for total 30 electronics experiments on the topics 1) PCB software 2) Schematic (Circuit diagrams) software 3) Operational amplifiers 4) Digital electronics 5) Amplifiers and oscillators 6) Soldering and de-soldering techniques.



Dr. R. V. Dhekale

Technical Director

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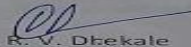
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Ref: PE/270

Date: 27-07-2022

## CERTIFICATE

This is to certify that Mr. Keshav K. Ghodake has successfully completed Online "Fast Track Practical Based Electronics Training Programme" organized by us at our company during 28-06-2022 to 27-07-2022. He has attended google meet for the presentation and learn educational videos for total 30 electronics experiments on the topics 1) PCB software 2) Schematic (Circuit diagrams) software 3) Operational amplifiers 4) Digital electronics 5) Amplifiers and oscillators 6) Soldering and de-soldering techniques.



Dr. R. V. Dhekale

Technical Director  
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Ref: PE/210

Date: 27-07-2022

## CERTIFICATE

This is to certify that Mr. Vitthal R. Bhakade has successfully completed Online "Fast Track Practical Based Electronics Training Programme" organized by us at our company during 28-06-2022 to 27-07-2022. He has attended google meet for the presentation and learn educational videos for total 30 electronics experiments on the topics 1) PCB software 2) Schematic (Circuit diagrams) software 3) Operational amplifiers 4) Digital electronics 5) Amplifiers and oscillators 6) Soldering and de-soldering techniques.

  
Dr. R. V. Dhekale

Technical Director

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Ref: PE/210

Date: 27-07-22

## CERTIFICATE

This is to certify that Mr. Dipak A. Mapari has successfully completed Online "Fast Track Practical Based Electronics Training Programme" organized by us at our company during 28-06-2022 to 27-07-2022. He has attended google meet for the presentation and learn educational videos for total 30 electronics experiments on the topics 1) PCB software 2) Schematic (Circuit diagrams) software 3) Operational amplifiers 4) Digital electronics 5) Amplifiers and oscillators 6) Soldering and de-soldering techniques.

  
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FACTORY : Plot No. B-115, M.I.D.C., Wai, Dist.- Satara, (Maharashtra)

Ref: PE/170

Date: 27-07-22

## CERTIFICATE

This is to certify that Mr. Laxman R. Pophale has successfully completed Online "Fast Track Practical Based Electronics Training Programme" organized by us at our company during 28-06-2022 to 27-07-2022. He has attended google meet for the presentation and learn educational videos for total 30 electronics experiments on the topics 1) PCB software 2) Schematic (Circuit diagrams) software 3) Operational amplifiers 4) Digital electronics 5) Amplifiers and oscillators 6) Soldering and de-soldering techniques.



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Ref: PE/270

Date: 27-07-22

## CERTIFICATE

This is to certify that Mr. Swaraj Wagh. has successfully completed Online "Fast Track Practical Based Electronics Training Programme" organized by us at our company during 28-06-2022 to 27-07-2022. He has attended google meet for the presentation and learn educational videos for total 30 electronics experiments on the topics 1) PCB software 2) Schematic (Circuit diagrams) software 3) Operational amplifiers 4) Digital electronics 5) Amplifiers and oscillators 6) Soldering and de-soldering techniques.

  
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Ref: PE/270

Date: 27/07/2022

## CERTIFICATE

This is to certify that Mr. Ajinkya S. Landge has successfully completed Online "Fast Track Practical Based Electronics Training Programme" organized by us at our company during 28-06-2022 to 27-07-2022. He has attended google meet for the presentation and learn educational videos for total 30 electronics experiments on the topics 1) PCB software 2) Schematic (Circuit diagrams) software 3) Operational amplifiers 4) Digital electronics 5) Amplifiers and oscillators 6) Soldering and de-soldering techniques.

  
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This is to certify that Miss. Bhavana S. Bhavan has successfully completed Online "Fast Track Practical Based Electronics Training Programme" organized by us at our company during 28-06-2022 to 27-07-2022. She has attended google meet for the presentation and learn educational videos for total 30 electronics experiments on the topics 1) PCB software 2) Schematic (Circuit diagrams) software 3) Operational amplifiers 4) Digital electronics 5) Amplifiers and oscillators 6) Soldering and de-soldering techniques.

  
Dr. R. V. Dhekale

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