



**Rayat Shikshan Sanstha's,  
ARTS, SCIENCE & COMMERCE COLLEGE,  
MOKHADA**

**Taluka- Mokhada, Dist-Palghar, State- Maharashtra  
Pin 401604**

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**Website- [www.asccmokhada.in](http://www.asccmokhada.in)**

**Department of Physics**

**Certificate course**

**In**

**USPS01ELECTRICAL APPLIANCES  
MAINTENANCE & REPAIR**

**Under the Scheme of**

**Skill Based Education under**

**UGC- National Skill Qualification Framework**





Rayat Shikshan Sanstha's  
Arts, Science and Commerce College, Mokhada  
Dist. Palghar

**Department of Physics**  
**Certificate Course- USPS01 Electrical Appliances Maintenance &  
Repair**  
**Board of Studies – 2021-2022**

Sr. No.	Designation	Name of the person
1	Chairman	Prof. L. D. Bhor (Principal)
2	Member	Prof. S. K. Vitnor (Head of Physics Department)
3	Member	Prof. Dr. B. B. Bhosale. ( Expert)
4	Member	Prof. S. A. Funde (Coordinator, Assistant Professor)
5	Member	Prof. P.K. Patil (Chairman, Short Term Course Committee)

**Minutes of the Meeting**


Board of Studies meeting of the Short Term Course / Certificate Course in Electrical Appliances: Maintenance and Repair was conducted on 28-11-2021 at 02.30 PM in the Online Mode Zoom App. Above members were present in the meeting.

Following Points are discussed in this meeting.


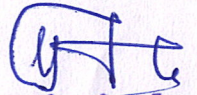
1. Syllabus formation of Electrical Appliances: Maintenance and Repair short term course.
2. Dissemination of work
3. Fee structure
4. Encouragement of Student

Place: ASC College Mokhada

Date: 28/11/2021

  
**Head / विभागप्रमुख**  
Department of Physics/भौतिकशास्त्र विभाग



  
Coordinator  
  
**Principal**  
Arts, Science & Com. College  
Mokhada, Dist. Palghar

Rayat Shikshan Sanstha's,  
**Arts, Science and Commerce College, Mokhada, Dist. Palghar**  
**Department of Physics**  
Certificate Course: "Electrical Appliances; Maintenance and Repair"

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Date : 22/11/2021

Student Notice

All the T.Y. B.Sc. Students are informed that the UGC NSQF under sanctioned Certificate course "Electrical Appliances; Maintenance and Repair" will be commenced from date 01/12/2021. Therefore all the student have to present for theory lectures and practical's as per given schedule.



*Runde*  
course coordinator

*[Signature]*  
**Head / विभागप्रमुख**  
Department of Physics / भौतिकशास्त्र विभाग

*[Signature]*  
**Principal**  
Arts, Science & Commerce, College  
Mokhada, Dist. Palghar

Rayat Shikshan Sanstha's,  
Arts, Science and Commerce College, Mokhada, Dist. Palghar

**Department of Physics**

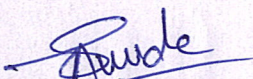
➤ **Certificate Course: "Electrical Appliance Maintenance & Repair"**

Time Table

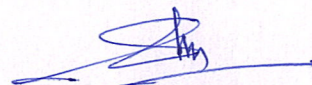
2021-22

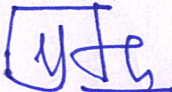
Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
2.00 pm to 5.00 pm	--	--	--	--	Theory	Practical

**Faculty: 1. Prof. S. K. Vitnor**  
**2. Prof. S. A. Funde**  
**3. Prof. Pratap Khose**

  
**Course Coordinator**



  
**Head / विभागाप्रमुख**  
Department of Physics / भौतिकशास्त्र विभाग

  
**Principal**  
Arts, Science & Commerce, College  
Mokhada, Dist. Palghar

## **Certificate Course in Electrical Appliances Maintenance & Repair**

### **1. Introduction:**

This course is meant for the candidates who aspire to become a technician to repair different domestic appliances. Repair, maintenance and installation of electronic equipments like microwave oven, iron, electric induction cooker, refrigerator etc.

### **2. Rationale for introducing the course:**

Electrical Appliances Maintenance & Repair prepare candidates not just for a Job but a Career and leads them to become technician. The course will help to give hands-on-expertise in installation, repairing and maintenance of electrical appliances.

### **3. Availability of relevant industry & Market survey undertaken in order to assess the feasibility:**

Nasik is the growing town in the state. The MIDC, IT Industry, and SEZ are developing very fast in and around Nasik city. The Micro, Small, Medium Scale Industries and Public as well as Private Companies are increasing very fast. So, lots of opportunities are available for students.

### **4. Potential for employment generation:**

The course is integrated with theoretical concepts, practical applications. After successfully completed this course, candidate can join any organization as service technician. If somebody wants to work independently, it can give the person with nice opportunities in terms of earning great money.

### **5. Details about Structure \ Pattern of Syllabus:**

- **Title of the course** : Certificate Course in Electrical Appliance Maintenance & Repair
- **Course Code** : USPS01
- **Duration of the Course** : one semester
- **Name of the Faculty** : Arts, Science & Commerce
- **Medium of Instructions** : Marathi & English
- **Eligibility for admission** : Candidate should pass the higher secondary board or equivalent with English as one of the subject.

➤ **Intake Capacity** : 20 Students for the course

➤ The complete structure will be as follows.

<b>Certificate Course in Electrical Appliance Maintenance &amp; Repair NSQF Level-4</b>			
<b>Course</b>	<b>General Education Component (Theory)</b>	<b>Credits</b>	<b>Total Marks</b>
GEC-1	Repair & Maintenance of Electric Iron Geyser & Water Cooler.	04	40
GEC-2	Repair & Maintenance of Electric Fan, Mixer & Refrigerator	04	40
GEC-3	Repair & Maintenance of Electric Microwave Oven, Water Purifier & Induction Cooker	04	40
	<b>Skill Development Component (Practical)</b>		
SDC-1	Practical – I (Based on Theory)	12	120
SDC-2	Practical – II (Field Visit)	06	60
	<b>Total</b>	<b>30</b>	<b>300</b>

**6. Pattern of Examination:**

- Evaluation:** Examination will be held at the end of the course.
- Standard of passing:** Minimum 40%.
- Award of Class, Percentage & Degree:** as per UGC-NSQF guidelines.

**7. Pattern of Question paper:**

**Theory Paper 50 Marks**

- Q.1 Attempt any one 10 Marks  
Q.2 Attempt any one 10 Marks  
Q.3 Attempt any one 10 Marks  
Q.4 Attempt any one 10 Marks  
Q.5 Attempt any one 10 Marks

**Practical Examination 50 Marks**

Q. Detect and repair the fault of given appliance.

**8. Infrastructure Available:**

- ICT enabled Classroom
- Availability of laboratory

**9. Teaching Faculty:**

<b>Sr. No.</b>	<b>Name of the Faculty</b>	<b>Qualification</b>	<b>Experience</b>
1	Prof. S. K. Vitnor	M. Sc.	32 Years
2	Prof. S. A. Funde	M. Sc. SET	3 Years
3	Mr. P. S. Khose	D. E. (Electrical)	23 Years
4	Mr. J. A. Kumbhar	D. E. (Electrical)	23 Years

## **10. Syllabus:**

### **Theory**

#### **GEC-1 Repair & Maintenance of Electric Iron & Geyser**

##### **Unit 1. Electric Iron**

- 1.1 Working Principle
- 1.2 Construction details of appliances
- 1.3 Types of appliances
- 1.4 Common defects in appliances
- 1.5 Testing method
- 1.6 Repairing procedures
- 1.7 Troubleshooting chart of appliances

##### **Unit 2. Electric Geysers**

- 2.1 Description of different types of water heaters like non pressure and pressure types
- 2.2 Installation
- 2.3 Connection diagram
- 2.4 Possible faults geysers
- 2.5 Removals

##### **Unit 3. Electric Water Cooler**

- 3.1 Description of different types of water coolers
- 3.2 Installation
- 3.3 Connection diagram
- 3.4 Possible faults geysers
- 3.5 Removals

#### **GEC-2 Repair & Maintenance of Electric Fan & Mixer**

##### **Unit 1. Electric Fans**

- 1.1 Description of ceiling and table fans
- 1.2 Common defects in fan
- 1.3 Testing methods
- 1.4 Repairing procedure
- 1.5 Troubleshooting chart

##### **Unit 2. Electric Mixer**

- 1.1 Description of internal structure
- 1.2 Possible faults
- 1.3 Their remedies

##### **Unit 3. Refrigerator**

- 3.1 Description of internal structure
- 3.2 Possible faults
- 3.3 Their remedies

## **GEC-3 Repair & Maintenance of Electric Microwave Oven**

### **Unit 1. Electric Microwave Oven**

- 1.1 Description of microwave oven
- 1.2 Construction of microwave oven
- 1.3 Common defects in microwave oven
- 1.4 Repairing procedures or removals

### **Unit 2. Electric Water Purifier**

- 2.1 Description of Water Purifier
- 2.2 Construction of Water Purifier
- 2.3 Common defects in Water Purifier
- 2.4 Repairing procedures or removals

### **Unit 3. Induction Cooker**

- 3.1 Description of Induction Cooker
- 2.2 Construction of Induction Cooker
- 2.3 Common defects in Induction Cooker
- 2.4 Repairing procedures or removals

### **Practical's**

#### **SDC-1 Practical –I (Based on Theory)**

1. Electric iron : testing and repairing
2. Electric Geyser: Connection diagram, faults and repairing
3. Electric Fans: Defects, testing and repairing
4. Electric Mixer: Possible faults and their remedies
5. Electric Microwave Oven : Common defects and repairing
6. Induction Cooker : Common defects and repairing
7. Electric Water Purifier: Common faults and repairing
8. Refrigerator: Possible faults and repairing
9. Electric Water Cooler: Common faults and repairing

#### **SDC-2 Practical – II**

##### **Field visit**

### **References:**

1. Study of Electrical Appliance and Devices- K. B. Bhatia
2. How to Repair Small Appliances?- Jack Darr
3. Electrical Wiring, Estimating and Costing- J. D. Gupta
4. Electrical Motor Repair- I. M. Anwani
5. Maintenance of Domestic Appliances- R. B. Lal
6. House wiring Practice- T. D. Bhise
7. Indian Electricity Rules- Nausheer Bharocha
8. Electrical Engineering- B. L. Theraja
9. Basic Electronics- V. K. Mehta
10. Basic Electricals- B. L. Theraja

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Funde S.A.



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**Principal**  
Arts, Science & Commerce, College  
Mokhada, Dist. Palghar



Rayat Shikshan Sanstha's,  
**Arts, Science and Commerce College, Mokhada, Dist. Palghar**  
**Department of Physics**  
Certificate Course: "Electrical Appliances Maintenance and Repair"  
 Student List 2021-22

Sr. No.	Name	Gender	Category
1	Bhoir Pawan Chandrakant	Male	ST
2	Damase Jitendra Rajaram	Male	ST
3	Jadhav Pradip Devidas	Male	ST
4	Khale Sudarshan Shankar	Male	ST
5	Korade Manoj Ranganath	Male	ST
6	Maniyar Shadab Nisar	Male	OBC
7	Nadage Shivram Sonya	Male	ST
8	Pawar Mahendra Parshuram	Male	ST
9	Rathod Avinash Padmasing	Male	VJ/DTA
10	Topale Yogesh Kisan	Male	ST
11	Navale Nilesh Rajaram	Male	ST
12	Padher Nitin Chandrakant	Male	ST
13	<b>Patil Poonam Rajaram</b>	Female	NT-D
14	Pawar Lekhanand Ishwar	Male	NT-C
15	Pawar Nikesh Ashok	Male	ST
16	Pawar Umesh Balu	Male	ST
17	Rajbhar Suraj Surendra	Male	OPEN
18	<b>Randive Devashree Santosh</b>	Female	OBC
19	<b>Shinde Megha Shankar</b>	Female	SC
20	Surum Sagar Kevaji	Male	ST

Gender	Open	OBC	SC	ST	NT/DTA
Male	1	1	0	13	2
Female	0	1	1	0	1

*Funde*  
Funde S.A.



*[Signature]*  
**Head / विभागप्रमुख**  
 Department of Physics/भौतिकशास्त्र विभाग

*[Signature]*  
**Principal**

Rayat Shikshan Sanstha's,  
Arts, Science and Commerce College, Mokhada, Dist. Palghar  
Department of Physics

Certificate Course: "Electrical Appliances Maintenance and Repair"  
Practical Attendance Report 2021-22

Sr.No.	Name of the Student	11/10/21	18/10/21	5/10/22	12/10/22	20/10/22	5/11/22	10/11/22
1.	Bhoir Pawan Chandrakant	<del>Prade</del>	<del>Sirel</del>	<del>Sirel</del>	<del>Sirel</del>	<del>Sirel</del>	<del>Sirel</del>	<del>Sirel</del>
2.	Damase Jitendra Rajaram	<del>Jitendra</del>	<del>Jitendra</del>	<del>Jitendra</del>	<del>Jitendra</del>	<del>Jitendra</del>	<del>Jitendra</del>	<del>Jitendra</del>
3.	Jadhav Pradip Devidas	<del>Pradip</del>	<del>Pradip</del>	<del>Pradip</del>	<del>Pradip</del>	<del>Pradip</del>	<del>Pradip</del>	<del>Pradip</del>
4.	Khale Sudarshan Shankar	<del>Shankar</del>	<del>Shankar</del>	<del>Shankar</del>	<del>Shankar</del>	<del>Shankar</del>	<del>Shankar</del>	<del>Shankar</del>
5.	Korade Manoj Ranganath	<del>Manoj</del>	<del>Manoj</del>	<del>Manoj</del>	<del>Manoj</del>	<del>Manoj</del>	<del>Manoj</del>	<del>Manoj</del>
6.	Maniyar Shadab Nisar	<del>Shadab</del>	<del>Shadab</del>	<del>Shadab</del>	<del>Shadab</del>	<del>Shadab</del>	<del>Shadab</del>	<del>Shadab</del>
7.	Nadage Shivram Sonya	<del>Shivram</del>	<del>Shivram</del>	<del>Shivram</del>	<del>Shivram</del>	<del>Shivram</del>	<del>Shivram</del>	<del>Shivram</del>
8.	Pawar Mahendra Parshuram	<del>Parshuram</del>	<del>Parshuram</del>	<del>Parshuram</del>	<del>Parshuram</del>	<del>Parshuram</del>	<del>Parshuram</del>	<del>Parshuram</del>
9.	Rathod Avinash Padmasing	<del>Avinash</del>	<del>Avinash</del>	<del>Avinash</del>	<del>Avinash</del>	<del>Avinash</del>	<del>Avinash</del>	<del>Avinash</del>
10.	Topale Yogesh Kisan	<del>Yogesh</del>	<del>Yogesh</del>	<del>Yogesh</del>	<del>Yogesh</del>	<del>Yogesh</del>	<del>Yogesh</del>	<del>Yogesh</del>
11.	Navale Nilesch Rajaram	<del>Nilesch</del>	<del>Nilesch</del>	<del>Nilesch</del>	<del>Nilesch</del>	<del>Nilesch</del>	<del>Nilesch</del>	<del>Nilesch</del>
12.	Padher Nitin Chandrakant	<del>Nitin</del>	<del>Nitin</del>	<del>Nitin</del>	<del>Nitin</del>	<del>Nitin</del>	<del>Nitin</del>	<del>Nitin</del>

13.	Patil Poonam Rajaram	<del>Acharya</del>	<del>Pawar</del>	<del>Pawar</del>	<del>Pawar</del>	<del>Pawar</del>	<del>Pawar</del>	<del>Pawar</del>	<del>Pawar</del>	<del>Pawar</del>
14.	Pawar Lekhanand Ishwar	<del>Chavhan</del>	<del>Chavhan</del>	<del>Chavhan</del>	<del>Chavhan</del>	<del>Chavhan</del>	<del>Chavhan</del>	<del>Chavhan</del>	<del>Chavhan</del>	<del>Chavhan</del>
15.	Pawar Nikesh Ashok	<del>Nipawar</del>	<del>Nipawar</del>	<del>Nipawar</del>	<del>Nipawar</del>	<del>Nipawar</del>	<del>Nipawar</del>	<del>Nipawar</del>	<del>Nipawar</del>	<del>Nipawar</del>
16.	Pawar Umesh Balu	<del>Umesh</del>	<del>Umesh</del>	<del>Umesh</del>	<del>Umesh</del>	<del>Umesh</del>	<del>Umesh</del>	<del>Umesh</del>	<del>Umesh</del>	<del>Umesh</del>
17.	Rajbhar Suraj Surendra	<del>Rajbhar</del>	<del>Rajbhar</del>	<del>Rajbhar</del>	<del>Rajbhar</del>	<del>Rajbhar</del>	<del>Rajbhar</del>	<del>Rajbhar</del>	<del>Rajbhar</del>	<del>Rajbhar</del>
18.	Randive Devashree Santosh	<del>Randive</del>	<del>Randive</del>	<del>Randive</del>	<del>Randive</del>	<del>Randive</del>	<del>Randive</del>	<del>Randive</del>	<del>Randive</del>	<del>Randive</del>
19.	Shinde Megha Shankar	<del>Randive</del>	<del>Randive</del>	<del>Randive</del>	<del>Randive</del>	<del>Randive</del>	<del>Randive</del>	<del>Randive</del>	<del>Randive</del>	<del>Randive</del>
20.	Surum Sagar Kevaji	<del>S. Kevaji</del>	<del>S. Kevaji</del>	<del>S. Kevaji</del>	<del>S. Kevaji</del>	<del>S. Kevaji</del>	<del>S. Kevaji</del>	<del>S. Kevaji</del>	<del>S. Kevaji</del>	<del>S. Kevaji</del>

Funde

Course Coordinator

Funde S.A.



Principal

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Department of Physics

Certificate Course: "Electrical Appliances Maintenance and Repair"

Theory Attendance Report 2021-22

Sr.No.	Name of the Student	28/10/22	29/10/22	30/10/22	31/10/22	01/11/22	02/11/22	03/11/22	04/11/22	05/11/22	06/11/22	07/11/22	08/11/22	09/11/22	10/11/22	11/11/22	12/11/22
1.	Bhoir Pawan Chandrakant	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>
2.	Damase Jitendra Rajaram	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>
3.	Jadhav Pradip Devidas	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>
4.	Khale Sudarshan Shankar	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>
5.	Korade Manoj Ranganath	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>
6.	Maniyar Shadab Nisar	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>
7.	Nadage Shivram Sonya	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>
8.	Pawar Mahendra Parshuram	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>
9.	Rathod Avinash Padmasing	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>
10.	Topale Yogesh Kisan	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>
11.	Navale Nilesh Rajaram	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>
12.	Padher Nitin Chandrakant	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>	<del>Present</del>

13.	Patil Poonam Rajaram	<del>Ramesh</del>	<del>Ramdas</del>	<del>Ramdas</del>	<del>Ramdas</del>	<del>Ramdas</del>	<del>Ramdas</del>	<del>Ramdas</del>	<del>Ramdas</del>
14.	Pawar Lekhanand Ishwar	<del>Shankar</del>	<del>Shankar</del>	<del>Shankar</del>	<del>Shankar</del>	<del>Shankar</del>	<del>Shankar</del>	<del>Shankar</del>	<del>Shankar</del>
15.	Pawar Nikesh Ashok	<del>Nirav</del>	<del>Nirav</del>	<del>Nirav</del>	<del>Nirav</del>	<del>Nirav</del>	<del>Nirav</del>	<del>Nirav</del>	<del>Nirav</del>
16.	Pawar Umesh Balu	<del>Umesh</del>	<del>Umesh</del>	<del>Umesh</del>	<del>Umesh</del>	<del>Umesh</del>	<del>Umesh</del>	<del>Umesh</del>	<del>Umesh</del>
17.	Rajbhar Suraj Surendra	<del>Shankar</del>	<del>Shankar</del>	<del>Shankar</del>	<del>Shankar</del>	<del>Shankar</del>	<del>Shankar</del>	<del>Shankar</del>	<del>Shankar</del>
18.	Randive Devashree Santosh	<del>Randive</del>	<del>Randive</del>	<del>Randive</del>	<del>Randive</del>	<del>Randive</del>	<del>Randive</del>	<del>Randive</del>	<del>Randive</del>
19.	Shinde Megha Shankar	<del>Shinde</del>	<del>Shinde</del>	<del>Shinde</del>	<del>Shinde</del>	<del>Shinde</del>	<del>Shinde</del>	<del>Shinde</del>	<del>Shinde</del>
20.	Surum Sagar Kevaji	<del>Sskewaji</del>	<del>Sskewaji</del>	<del>Sskewaji</del>	<del>Sskewaji</del>	<del>Sskewaji</del>	<del>Sskewaji</del>	<del>Sskewaji</del>	<del>Sskewaji</del>

*Sundre*

Course Coordinator

funde S.A.



*YTS*  
Principal

Arts, Science & Commerce, College  
Mokhada, Dist. Palghar

Rayat Shikshan Sanstha's,  
Arts, Science and Commerce College, Mokhada, Dist. Palghar  
Department of Physics

Certificate Course: "Electrical Appliances Maintenance and Repair"  
Theory Practical Attendance Report 2021-22

Sr.No.	Name of the Student	25/11/21	10/12/21	17/12/21	24/12/21	31/12/21	7/1/22	21/1/22
1.	Bhoir Pawan Chandrakant	Sure	Sure	Sure	Sure	Sure	Sure	Sure
2.	Damase Jitendra Rajaram	Jalmisel	Jalmisel	Jalmisel	Jalmisel	Jalmisel	Jalmisel	Jalmisel
3.	Jadhav Pradip Devidas	<del>Sure</del>	<del>Sure</del>	<del>Sure</del>	<del>Sure</del>	<del>Sure</del>	<del>Sure</del>	<del>Sure</del>
4.	Khale Sudarshan Shankar	<del>Sure</del>	<del>Sure</del>	<del>Sure</del>	<del>Sure</del>	<del>Sure</del>	<del>Sure</del>	<del>Sure</del>
5.	Korade Manoj Ranganath	Korade	Korade	Korade	Korade	Korade	Korade	Korade
6.	Maniyar Shadab Nisar	Maniyar	Maniyar	Maniyar	Maniyar	Maniyar	Maniyar	Maniyar
7.	Nadage Shivram Sonya	<del>Nadage</del>	<del>Nadage</del>	<del>Nadage</del>	<del>Nadage</del>	<del>Nadage</del>	<del>Nadage</del>	<del>Nadage</del>
8.	Pawar Mahendra Parshuram	<del>Pawar</del>	<del>Pawar</del>	<del>Pawar</del>	<del>Pawar</del>	<del>Pawar</del>	<del>Pawar</del>	<del>Pawar</del>
9.	Rathod Avinash Padmasing	<del>Rathod</del>	<del>Rathod</del>	<del>Rathod</del>	<del>Rathod</del>	<del>Rathod</del>	<del>Rathod</del>	<del>Rathod</del>
10.	Topale Yogesh Kisan	<del>Topale</del>	<del>Topale</del>	<del>Topale</del>	<del>Topale</del>	<del>Topale</del>	<del>Topale</del>	<del>Topale</del>
11.	Navale Nilesh Rajaram	Navale	Navale	Navale	Navale	Navale	Navale	Navale
12.	Padher Nitin Chandrakant	Nitin	Nitin	Nitin	Nitin	Nitin	Nitin	Nitin

13.	Patil Poonam Rajaram	Poonam	Poonam	Poonam	Poonam	Poonam	Poonam	Poonam	Poonam	Poonam
14.	Pawar Lekhanand Ishwar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar
15.	Pawar Nikesh Ashok	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar
16.	Pawar Umesh Balu	Umesh	Umesh	Umesh	Umesh	Umesh	Umesh	Umesh	Umesh	Umesh
17.	Rajbhar Suraj Surendra	Rajbhar	Rajbhar	Rajbhar	Rajbhar	Rajbhar	Rajbhar	Rajbhar	Rajbhar	Rajbhar
18.	Randive Devashree Santosh	Randive	Randive	Randive	Randive	Randive	Randive	Randive	Randive	Randive
19.	Shinde Megha Shankar	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde
20.	Surum Sagar Kevaji	Surum	Surum	Surum	Surum	Surum	Surum	Surum	Surum	Surum

Shinde

Funde S.A.



Principal

Arts, Science & Commerce, College  
Mokhada, Dist. Palghar

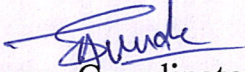
Rayat Shikshan Sanstha's,  
**Arts, Science and Commerce College, Mokhada, Dist. Palghar**  
**Department of Physics**  
**2021-2022**

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Date: 28/03/2022

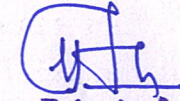
## Notice

All students of T.Y.B.Sc. are hereby informed that, theory examination for the Certificate course “**Electrical Appliances Maintenance and Repair**” will be conducted on **18/04/2022** at **11.00 am**. And Practical Examination will be held on 19/04/2022 at 11.00 am at Department of Physics. Absent students will not be entertained. All students should remain present.

  
Course Coordinator



  
**Head / विभागप्रमुख**  
Department of Physics/भौतिकशास्त्र विभाग

  
**Principal**  
Arts, Science & Commerce, College  
Mokhada, Dist. Palghar



Rayat Shikshan Sanstha's,  
**Arts, Science and Commerce College, Mokhada, Dist. Palghar**

**Department of Physics**

**Certificate Course: "Electrical Appliances: Maintenance and Repairs"**

**Theory Exam Attendance-2021-22**

11 8 APR 2022

S.N.	Name of the Student	Sign
1.	Bhoir Pawan Chandrakant	
2.	Damase Jitendra Rajaram	
3.	Jadhav Pradip Devidas	
4.	Khale Sudarshan Shankar	
5.	Korade Manoj Ranganath	
6.	Maniyar Shadab Nisar	
7.	Nadage Shivram Sonya	
8.	Pawar Mahendra Parshuram	
9.	Rathod Avinash Padmasing	
10.	Topale Yogesh Kisan	
11.	Navale Nilesh Rajaram	
12.	Padher Nitin Chandrakant	
13.	<b>Patil Poonam Rajaram</b>	
14.	Pawar Lekhanand Ishwar	
15.	Pawar Nikesh Ashok	
16.	Pawar Umesh Balu	
17.	Rajbhar Suraj Surendra	
18.	<b>Randive Devashree Santosh</b>	
19.	<b>Shinde Megha Shankar</b>	
20.	Surum Sagar Kevaji	

Course Co-ordinator

**Head / विभागप्रमुख**  
Department of Physics/ भौतिकशास्त्र विभाग



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Rayat Shikshan Sanstha's,  
**Arts, Science and Commerce College, Mokhada, Dist. Palghar**

**Department of Physics**

**Certificate Course: "Electrical Appliances: Maintenance and Repairs"**

Practical Exam Attendance-2021-22

11 9 APR 2022

S.N.	Name of the Student	Sign
1.	Bhoir Pawan Chandrakant	
2.	Damase Jitendra Rajaram	
3.	Jadhav Pradip Devidas	
4.	Khale Sudarshan Shankar	
5.	Korade Manoj Ranganath	
6.	Maniyar Shadab Nisar	
7.	Nadage Shivram Sonya	
8.	Pawar Mahendra Parshuram	
9.	Rathod Avinash Padmasing	
10.	Topale Yogesh Kisan	
11.	Navale Nilesh Rajaram	
12.	Padher Nitin Chandrakant	
13.	Patil Poonam Rajaram	
14.	Pawar Lekhanand Ishwar	
15.	Pawar Nikesh Ashok	
16.	Pawar Umesh Balu	
17.	Rajbhar Suraj Surendra	
18.	Randive Devashree Santosh	
19.	Shinde Megha Shankar	
20.	Surum Sagar Kevaji	

Course Co-ordinator

**Head / विभागप्रमुख**  
Department of Physics/भौतिकशास्त्र विभाग

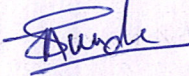



**Principal**  
Arts, Science & Commerce, College  
Mokhada, Dist. Palghar

University of Mumbai  
Rayat Shikshan Sanstha's,  
**Arts, Science and Commerce College, Mokhada, Dist. Palghar**  
**Department of Physics**  
**Certificate Course: "Electrical Appliances: Maintenance and Repairs"**  
Exam Marks  
2021-2022

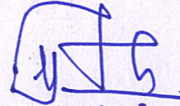
20 APR 2022

Sr. No.	Name of the Student	Theory/50	Practical/50	Total/100
1.	Bhoir Pawan Chandrakant	36	40	76
2.	Damase Jitendra Rajaram	36	40	76
3.	Jadhav Pradip Devidas	36	41	77
4.	Khale Sudarshan Shankar	36	45	81
5.	Korade Manoj Ranganath	36	42	78
6.	Maniyar Shadab Nisar	35	43	78
7.	Nadage Shivram Sonya	38	43	81
8.	Pawar Mahendra Parshuram	37	42	79
9.	Rathod Avinash Padmasing	36	41	77
10.	Topale Yogesh Kisan	35	44	79
11.	Navale Nilesh Rajaram	20	39	59
12.	Padher Nitin Chandrakant	20	40	60
13.	<b>Patil Poonam Rajaram</b>	34	42	76
14.	Pawar Lekhanand Ishwar	20	40	60
15.	Pawar Nikesh Ashok	36	41	77
16.	Pawar Umesh Balu	20	38	58
17.	Rajbhar Suraj Surendra	20	38	58
18.	<b>Randive Devashree Santosh</b>	38	43	81
19.	<b>Shinde Megha Shankar</b>	38	43	81
20.	Surum Sagar Kevaji	20	41	61

  
Course Coordinator

  
Head / विभागप्रमुख  
Department of Physics/भौतिकशास्त्र विभाग



  
Principal  
Arts, Science & Commerce, College  
Mokhada, Dist. Palghar

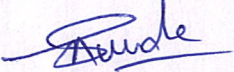
Rayat Shikshan Sanstha's,  
ASC College, Mokhada, Dist: Palghar  
Department of Physics  
Certificate Course 2021-22  
**Electrical Appliances Maintenance and Repair**

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Date: 20-04-2022

**Report**


The Department of Physics, ASC College, Mokhada conducted a Certificate course entitled **Electrical Appliances Maintenance and Repair**. Total 20 students of T.Y.B.Sc. were admitted in the course. The duration of course was one semester. The course was conducted satisfactorily by the Dept. of Physics, ASC College, Mokhada, Dist: Palghar.



Course Coordinator



**Head / विभागप्रमुख**  
Department of Physics / भौतिकशास्त्र विभाग



**Principal**  
Arts, Science & Commerce, College  
Mokhada, Dist. Palghar



**Rayat Shikshan Sanstha, Satara**  
**Karmaveer Vidya Prabodhini**

# CERTIFICATE

095

This is to certify that Shri / Smt *Tapale Yogesh Kisan*

(Class *TY B.sc. Physics*) of

(College) *Arts, Science & Commerce College Mokhada*  
*Dist. Palghar*

has successfully completed

a short term course in *Electrical Appliances: Maintenance & Repair*  
*(UGC-NSQF)*  
Academic year 2021 2022 ( From ..... To ..... ) and

secured ..... Grade.



*[Signature]*  
PRINCIPAL

**Principal**  
Arts, Science & Com. College  
Mokhada, Dist. Palghar

*[Signature]*

Executive Director  
Karmaveer Vidya Prabodhini

*[Signature]*

Chairman  
Karmaveer Vidya Prabodhini



**Rayat Shikshan Sanstha, Satara**  
**Karmaveer Vidya Prabodhini**

097

# CERTIFICATE

This is to certify that Shri / Smt Padher Nibin Chandrakant

(Class IX B.Sc. Chemistry) of

(College) Arts, Science & Commerce College - Mokhada

Dist. Palghar

has successfully completed

a short term course in Electrical Appliances: Maintenance & Repair

(UGC - NSRF)

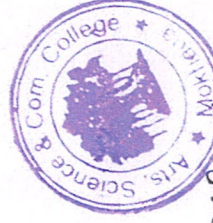
Academic year 2024 2022

( From

To

) and

secured ..... Grade.



  
**PRINCIPAL**

**Principal**  
 Arts, Science & Com. College  
 Mokhada, Dist. Palghar



**Executive Director**  
 Karmaveer Vidyaprabodhini



**Chairman**  
 Karmaveer Vidyaprabodhini



098

**Rayat Shikshan Sanstha, Satara**  
**Karmaveer Vidya Prabodhini**

# CERTIFICATE

This is to certify that Shri / Smt *Patil Poanam Rajaram*

(Class *T.Y. B.Sc. Chemistry*) of

(College) *Arts, Science & Commerce College, Makhada*

*Dist. Palghar*

has successfully completed

a short term course in *Electrical Appliances: Maintenance & Repair*

(*UGC-NSRF*)

Academic year 2021 2022

( From To ) and

secured ..... Grade.



*[Signature]*  
PRINCIPAL

**Principal**  
Arts, Science & Com. College  
Makhada, Dist. Palghar

*[Signature]*

Executive Director  
Karmaveer Vidya Prabodhini

*[Signature]*

Chairman  
Karmaveer Vidya Prabodhi



093

**Rayat Shikshan Sanstha, Satara**  
**Karmaveer Vidya Prabodhini**

# CERTIFICATE

This is to certify that Shri / Smt Pawar Lekhanand Ishwar

(Class T-R. B.sc. Chemistry ) of

(College) Arts, Science & Commerce College Mokhada

Dist. Palghar

has successfully completed

a short term course in Electrical Appliances: Maintenance & Repair

(UGC-NSRF)

Academic year 2021 2022

( From ..... To ..... ) and

secured ..... Grade.



  
PRINCIPAL

**Principal**  
Arts, Science & Com. College  
Mokhada, Dist. Palghar



Executive Director  
Karmaveer Vidyaprabodhini



Chairman  
Karmaveer Vidyaprabodhi





**Rayat Shikshan Sanstha, Satara**  
**Karmaveer Vidya Prabodhini**

# CERTIFICATE

100

This is to certify that Shri / Smt Pawar Nikesh Ashok  
 (Class T.R. B.sc. Chemistry) of

(College) Arts, Science & Commerce College Mokhada

Dist. Palghar

has successfully completed

a short term course in Electrical Appliances: Maintenance & Repair  
(UGC-NSQF)

Academic year 2024 2022

( From To ) and

secured ..... Grade.



Principal

PRINCIPAL

**Principal**  
 Arts, Science & Com. College  
 Mokhada, Dist. Palghar

Executive Director

Executive Director

Karmaveer Vidyaprabodhini

Chairman

Chairman

Karmaveer Vidyaprabodhi