

Shetkari Shikshan Prasarak Mandal's

Krishna Mahavidyalaya, Rethare Bk

IQAC 2021-2022

ACTIVITY REPORT  
PHYSICS DEPARTMENT

IQAC ACTIVITY No:

NAME OF THE ACTIVITY: "Certificate course in Domestic wiring, maintenance & fitting"			
DATE	FACULTY	DEPARTMENT/COMMITTEE	COORDINATOR NAME
2 <sup>nd</sup> December 2021-1 <sup>st</sup> January 2022	Science	Physics	Dr. Dhanaji S. Dalavi Mr.B.S.Mane
TIME	VENUE	NUMBER OF PARTICIPANTS	NATURE: Outdoor/Indoor
9.00 am -11.00 am	Physics laboratory	20 students+02 teacher	Indoor
SUPPORT/ASSISTANCE:	Nil		

BRIEF INFORMATION ABOUT THE ACTIVITY (CRITERION NO. - ): ):

TOPIC/SUBJECT OF THE ACTIVITY	"Certificate course in Domestic wiring, maintenance & fitting."
OBJECTIVES	To provide trainees with knowledge and skills in electrical wiring installation. help them to understand the fundamentals of D. C. Circuits. To make them identify the basic components of electrical engineering. To make them understand the basic uses and working of the electrical related all components to teach them correct size, wirings, terminating at light fittings, switches, and terminal block. To teach them worksite safety relating to electrical activities.
METHODOLOGY	Experimental work
OUTCOMES	They actively participated and learned all the basics of the course

PROOFS & DOCUMENTS ATTACHED (Tick mark the proofs attached):

1. Notice & Letters	2. Student list	3. Activity report	4. Photos	5. Feedback form
6. Feedback analysis	7. News clip with details	8. Certificate	9. Any other	10.

IQAC CELL ACTIVITY NUMBER:

NAME OF TEACHER & SIGNATURE	NAME OF HEAD/ COMMITTEE INCHARGE & SIGNATURE	PRINCIPALS SIGNATURE	IQAC COORDINATOR (SEAL & SIGNATURE)
Dr. Dhanaji S. Dalavi <i>Dalavi</i>	Dr. Dhanaji S. Dalavi <i>Dalavi</i>	<i>Dalavi</i> Principal Krishna Mahavidyalaya, Rethare Bk Tal. Karad : 415 108 (MS)	<i>Dalavi</i> IQAC, Coordinator, KRISHNA MAHAVIDYALAYA, Rethare Bk; Shivnagar - 415108 Tal. Karad, Dist. Satara

HEAD  
DEPARTMENT OF PHYSICS  
KRISHNA MAHAVIDYALAYA,  
Rethare Bk; Shivnagar - 415108

**REPORT  
ON  
CERTIFICATE COURSE IN DOMESTIC WIRING, MAINTENANCE,  
AND FITTING**

**DEPARTMENT OF PHYSICS AND ELECTRONICS**

**Academic Year 2021-2022**

The Certificate Course “**COURSE IN DOMESTIC WIRING, MAINTENANCE, AND FITTING**” is the basic Level course offered in our college that gives a comprehensive study of the basics of making domestic wiring and repairing domestic wiring. It also helps to understand the series and parallel connections. It gives knowledge about the design and testing of electric boards having 3 pins plugs controlled by single and three switches. The **COURSE IN DOMESTIC WIRING, MAINTENANCE, AND FITTING** Certification course is shaped around the essential principles that should be recognized for a better appreciation of the standards around electrical wiring systems.

**Duration of Course:** 2<sup>nd</sup> December 2021- 1<sup>st</sup> January 2022

**Total Students Enrolled:** 20

**Duration:** 20 hours (10 hrs. theory and 10 hrs. Practical)

**Date of Exam:** 07/01/2022

**Faculty:** Dr. Dhanaji S. Dalavi, Mr.B.S. Mane.

**Focus:** This domestic Wiring Maintenance and fitting Certification program aims to provide you with basic theoretical and applied education and training. This contains aspects that explain and demonstrate the calculation of the power demand of a system and the calculation of earth fault currents. This course is informative and delivers important details needed to make an electrical system safe and secure for operation.



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DEPARTMENT OF PHYSICS  
KRISHNA MAHAVIDYALAYA,  
Rethare Bk; Shivnagar - 415108

**SHETKARI SHIKSHAN PRASARAK MANDAL'S  
KRISHNA MAHAVIDYALAYA RETHARE (BK.)  
DEPARTMENT OF PHYSICS AND ELECTRONICS**

**NOTICE**

Date- 23/11/2021

Department of physics organizing a certificate course in  
“DOMESTIC WIRING, MAINTENANCE, AND FITTING” for  
B. Sc. students from 2<sup>nd</sup> December 2021. The course is only for 25  
students. Students will be selected on a first come first serve basis.  
Please register yourself for the course as early as possible before 29<sup>th</sup>  
November 2021.

  
Head

Department of physics  
HEAD  
DEPARTMENT OF PHYSICS  
KRISHNA MAHAVIDYALAYA,  
Rethare Bk; Shivnagar - 415108

  
Principal

Krishna Mahavidyalaya  
Principal  
Krishna Mahavidyalaya, Rethare Bk,  
Tq. Karad : 415 103 (MS)

Sr.No	Certificate Course Details	
1.	Name of the department:	Department of physics & electronics .
2.	Title of the course:	Domestic Wiring, Maintenance and fitting
3.	Duration of the course:	30 days
4.	Course objectives:	1.Making domestic wiring and repairing of domestic wiring. 2.To know about series and parallel connection. 3.Uses of various lows in electricity and its application.
5.	Course outcomes:	1.To Aware about repairing and handling electric domestic appliances 2.Basic concept about electric and electronic Maintenance. 3.Connections making and testing Awareness about ac and dc supply.
6.	Course approved by:	Krishna Mahavidyalaya Rethare Bk.
7.	Total fund generated (amount and source)	-
8.	Total fund received from management:	-
9.	Total intake of students:	20
10.	Total No. of students Registered:	20
11.	Total No. of Beneficiaries:	20
12.	Total No. of Faculty involved:	02
13.	Best suggestions from feedbacks:	---

**KRISHNA MAHAVIDYALAYA RETHARE (BK.)**  
**DEPARTMENT OF PHYSICS AND ELECTRONICS**  
**CERTIFICATE COURSE IN DOMESTICS WIRING, MAINTMAINTENANCE, 2021-22**

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**Eligibility for the course:**

Candidates who appeared for B. Sc. Course (subject with physics and electronics) in college are eligible for admission to a Certificate course in Domestic wiring, and Maintenance

Duration of course: 30 days (Contact Hours)

**Examination**

The theory paper is of 1-hour duration for a maximum of 25 marks with a passing minimum of 8 marks. The practical Examination is of 2 hours duration for a maximum of 20 marks and a passing minimum of 10 marks.

**Question Paper pattern of Theory (Maximum marks: 25, Time: 1 hour)**

Q.1 Multiple choice question

**Theory :-**

1. Electric circuit: Concept of electromotive force, potential difference (P.D), ohm's law, Resistance, Resistance in series and parallel, Electric power, Electric energy
2. Elementary Wiring: wiring accessories, General information about low-tension and high-tension circuits, Types of wiring, Types of electric circuit series and parallel, short circuit and open circuits, Test lamp, Earthing, and its importance
3. Electrical instruments: Ammeters, Voltmeters, Watt-meters, Multi-meter, ohms-meters
4. DC and AC: Safety measures while handling electrical instruments /appliances

~~KRISHNA MAHAVIDYALAYA RETHARE (BK.)~~  
~~DEPARTMENT OF PHYSICS AND ELECTRONICS~~

**KRISHNA MAHAVIDYALAYA RETHARE (BK.)  
DEPARTMENT OF PHYSICS AND ELECTRONICS**

**CERTIFICATE COURSE SYLLABUS**

**Name of the course: Domestic wiring, Maintenance, and fitting**

**Objectives of the Course:**

- Making domestic wiring and repairing domestic wiring.
- To know about series and parallel connections.
- Uses of various laws of electricity and its applications.

**Contents of the Course:**

**THEORY SYLLABUS**

**Unit I** (02)

- **Electric circuit**

Concept of electromotive force, potential difference (P.D), ohm's law, Resistance, Resistance in series and parallel, Electric power, Electric energy

**Unit II** (04)

- **Elementary wiring**

wiring accessories, General information about low-tension and high-tension circuit, Types of wiring, Types of electric circuits series and parallel, short circuit and open circuits, Test lamps, Earthing, and its importance

**Unit III** (01)

- Electrical instruments: Ammeters, Voltmeters, Watt-meters, multi-meter, ohms-meters:

**Unit IV** (01)

- DC and AC: Safety measures while handling electrical instruments /appliances

**PRACTICAL SYLLABUS**

**Practicals: 12 periods/Hours (each practical' s of 2 hours)**

1. To build and test the extension board
2. To connect and test three lamps controlled by a single switch
3. To build and test three lamps controlled by three separate switches.
4. To build and test an electric board having three pin plugs controlled by a single switch. (3-point board and single switch)
5. Design and test an electric board containing three pins having three switches for three plugs (3-point board)
6. Design and test the electric board for stair wiring (two-way wiring (one lamp controlled from places)

Krishna Mahavidyalaya, Rethare (BK)		
Department of Physics and Electronics		
Academic Year 2021-2022		
Students Enrolled for Certificate Course in Domestic Wiring, Maintenance and Fitting		
Roll No	Student Name	Class
101	Chavan Om Shivaji	B.Sc. II
102	Lohar Sakshi Maruti	B.Sc. II
103	Mane Harshad Vijay	B.Sc. II
104	Bakale Vaishnavi Hanmant	B.Sc. II
105	Doiphode Yuvraj Kisan	B.Sc. II
108	Jadhav Digvijay Dilip	B.Sc. II
110	Zele Ritesh Dattatray	B.Sc. II
111	Mane Ashish Popat	B.Sc. II
112	Nadaf Ashraf Ekbal	B.Sc. II
113	Patil Abhishek Santosh	B.Sc. II
115	Patil Atul Ashok	B.Sc. II
116	Salave Rahul Sanjay	B.Sc. II
117	Salunkhe Siddhesh Ankush	B.Sc. II
120	Mohite Nikita Vilas	B.Sc. II
121	Patel Wasim Kadir	B.Sc. II
122	Pawar Shubham Mahadev	B.Sc. II
301	Pardeshi Siddharth Rahul	B.Sc. III
302	Patole Prajakta Balaso	B.Sc. III
303	Jadhav Deepika Sanjay	B.Sc. III
306	Patole Komal Popat	B.Sc. III

*Salan'*  
Head

Department of Physics

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DEPARTMENT OF PHYSICS  
KRISHNA MAHAVIDYALAYA,  
Rethare Bk; Shivnagar - 415108

**KRISHNA MAHAVIDYALAYA RETHARE (BK.)**

**DEPARTMENT OF PHYSICS**

**CERTIFICATE COURSE IN DOMESTIC WIRING: MAINTAINANCE AND FITTING**

**TIME TABLE 2021 - 2022**

Course Duration: 2/12/2021 to 1/01/2022 (Contact Hours: 20)

Date	Time	Theory	Practical	Remark
2/12/2022	10.00 a. m to 11.00 a. m	Dr. D. S. Dalavi	-----	
3/12/2022	10.00 a. m to 11.00 a. m	Dr. D. S. Dalavi	-----	
4/12/2022	10.00 a. m to 11.00 a. m	Dr. D. S. Dalavi	-----	
6/12/2022	10.00 a. m to 11.00 a. m	Dr. D. S. Dalavi	-----	
7/12/2022	10.00 a. m to 11.00 a. m	Dr. D. S. Dalavi	-----	
8/12/2022	10.00 a. m to 11.00 a. m	Dr. D. S. Dalavi	-----	
9/12/2022	10.00 a. m to 11.00 a. m	Mr. B.S. Mane	-----	
10/12/2022	10.00 a. m to 11.00 a. m	Mr. B.S. Mane	-----	
11/12/2022	10.00 a. m to 11.00 a. m	Mr . B.S. Mane	-----	
13/12/2022	10.00 a. m to 11.00 a. m	Mr . B.S. Mane	-----	
14/12/2022	9.00 a. m to 10.00 a. m	-----	Dr. D. S. Dalavi and Mr. B.S. Mane	
15/12/2022	9.00 a. m to 10.00 a. m	-----	Dr. D. S. Dalavi and Mr. B.S. Mane	
16/12/2022	9.00 a. m to 10.00 a. m	-----	Dr. D. S. Dalavi and Mr. B.S. Mane	
17/12/2022	9.00 a. m to 10.00 a. m	-----	Dr. D. S. Dalavi and Mr. B.S. Mane	
18/12/2022	9.00 a. m to 10.00 a. m	-----	Dr. D. S. Dalavi and Mr. B.S. Mane	
21/12/2022	9.00 a. m to 10.00 a. m	-----	Dr. D. S. Dalavi and Mr. B.S. Mane	
22/12/2022	9.00 a. m to 10.00 a. m	-----	Dr. D. S. Dalavi and Mr. B.S. Mane	
23/12/2022	9.00 a. m to 10.00 a. m	-----	Dr. D. S. Dalavi and Mr. B.S. Mane	
24/12/2022	9.00 a. m to 10.00 a. m	-----	Dr. D. S. Dalavi and Mr. B.S. Mane	
27/12/2022	9.00 a. m to 10.00 a. m	-----	Dr. D. S. Dalavi and Mr B.S. Mane	
07/1/2022	9.00 a. m to 10.00 a. m	Theory and Practical Examination	Dr. D. S. Dalavi and Mr. B.S. Mane	

*Salam*  
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DEPARTMENT OF PHYSICS  
KRISHNA MAHAVIDYALAYA,  
Rethare Bk; Shivnagar - 415108



**Krishna Mahavidyalaya, Rethare (BK)**  
**Certificate course in Domestic wiring, maintenance and fitting**  
**B.Sc. II and III attendance**

Sr.no	NAME OF STUDENTS	2/12/2022	3/12/2022	4/12/2022	6/12/2022	7/12/2022	8/12/2022	9/12/2022	10/12/2022	11/12/2022	13/12/2022	14/12/2022	15/12/2022	16/12/2022	17/12/2022	18/12/2022	21/12/2022	22/12/2022	23/12/2022	24/12/2022	27/12/2022	28/12/2022	29/12/2022	30/12/2022	1/1/2023
101	Chawan Om Shivaji	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
102	Lohar Sakshi Maruti	P	P	A	P	P	.	.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
103	Mane Harshad Vijay	P	P	P	A	P	P	P	P	P	P	.	P	P	P	P	.	P	P	P	P	P	P	P	P
104	Bakale Vaishnavi Hanmant	P	P	P	P	P	P	.	P	P	P	P	P	P	.	.	P	P	P	P	P	P	P	P	P
105	Doiphode Yuvraj Kisan	P	P	P	P	P	P	.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
108	Jadhav Digvijay Dilip	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
110	Zele Ritesh Dattatray	P	P	P	P	P	P	P	P	P	.	P	P	P	P	P	P	P	P	P	P	P	P	P	P
111	Mane Ashish Popat	P	P	P	P	P	P	.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
112	Nadaf Ashraf Ekbal	P	A	P	P	P	P	P	P	P	P	P	P	P	.	P	P	P	P	P	P	P	P	P	P
113	Patil Abhishek Santosh	P	P	P	P	P	P	P	P	P	P	.	P	P	P	P	P	P	P	P	P	P	P	P	P
115	Patil Atul Ashok	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	.	P	P	P	P	P	P	P	P
116	Salave Rahul Sanjay	P	P	P	A	P	P	P	.	P	P	P	P	P	.	P	P	P	P	P	P	P	P	P	P
117	Salunkhe Siddhesh Ankush	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
120	Mohite Nikita Vilas	P	P	P	P	P	P	P	.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
121	Patel Wasim Kadir	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
122	Pawar Shubham Mahadev	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
301	Pardeshi Siddharth Rahul	P	P	P	P	.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
302	Patole Prajakta Balaso	P	P	P	P	P	P	P	P	.	P	.	P	P	P	P	P	P	P	P	P	P	P	P	P
303	Jadhav Deepika Sanjay	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
306	Patole Komal Popat	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

*Salam*

HEAD

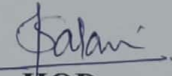
DEPARTMENT OF PHYSICS  
 KRISHNA MAHAVIDYALAYA,  
 Rethare Bk; Shivnagar - 415108

**Krishna Mahavidyalaya, Rethare (Bk)**  
**Department of Physics and Electronics**  
Certificate Course in Domestic Wiring, Maintenance, and Fitting

**NOTICE**

**Date:02/01/2022**

The students of B. Sc. II and B. Sc. III are hereby informed that their Certificate course examination in Domestic Wiring, Maintenance, and Fitting will be conducted at the Department of Physics on 07/01/2022 from 10 am to 11 am. The exam will be based on Multiple-Choice Questions.

  
**HOD**

**Dept. of Physics**  
**HEAD**  
DEPARTMENT OF PHYSICS  
KRISHNA MAHAVIDYALAYA,  
Rethare Bk; Shivnagar - 415108

Krishna Mahavidyalaya, Rethare (BK)			
Certificate course in Domestic wiring, maintenance and fitting			
EXAM ATTENDANCE SHEET			
B.Sc. I and B.sc II			
NAME OF STUDENTS	CLASS	SIGNATURE	MARKS (out of 25)
Zele Ritesh Dattabray	BSC - II	R.D. Zele	21
Om Shivaji Chavan	BSC - II		14
Wasim Kadir Patel	BSC - II	W. Wasim	21
Mane Harshad Vijay	Bsc - II	Mane Harshad	23
Mohite Nikita Vilas	Bsc - II	Mohite Nikita	21
Doiphode Yuvraj Kisan	Bsc - II	Y. Doiphode	17
Patole Prajakta Babar	B.Sc III	P. Patole	22
Patole Komal Popat	B.Sc III	K. Patole	20
Pardechi Siddharth Rahul	B.Sc III	S. Pardechi	24
Jadhav Deepika Sanjay	B.Sc III	J. Deepika	23
Pawar Shubham Mahadev	BSC II	P. Shubham	18
Bakale Vaishnavi Hanmant	B.Sc II	B. Vaishnavi	17
Vasim Kadir Patel	B.Sc. II	V. K. Patel	13
Rahul Sanjay Salame	B. SC. II	R. Salame	11
Atul Pankaj Patil	B.Sc. II	A. Patil	17
Mane Ashish Popat	B. SC. II	M. Ashish	19
Jadhav Digvijay Dilip	B. SC. II	J. Jadhav	18
Nadaf Ashraf Ekbal	B.Sc. II	N. Ashraf	15
Lohar Sakshi Maruti	B. II	L. S. Maruti	16
Patil Abhishek Santosh	B. SC. II	P. Abhishek	19

Salan  
Head

Department of Physics



SHETAKARI SHIKSHAN PRASARAK MANDAL'S



KRISHNA MAHAVIDYALAYA, RETHARE BK

CERTIFICATE COURSE 2021-22

"DOMESTIC WIRING, MAINTENANCE & FITTING"

2<sup>nd</sup> December 2021 To 1<sup>st</sup> January 2022

Organized by

DEPARTMENT OF PHYSICS

This is to certify that, Mr. **Pawar Shubham Mahadev** of B.Sc. II has participated in and successfully completed the certificate course of DOMESTIC WIRING, MAINTENANCE, AND FITTING actively and her/his performance was

**Excellent.**

  
Dr. Dalvi D. S.

Course coordinator

  
Dr. Salunkhe C. B.

Principal



SHETAKARI SHIKSHAN PRASARAK MANDAL'S

KRISHNA MAHAVIDYALAYA, RETHARE BK

CERTIFICATE COURSE 2021-22

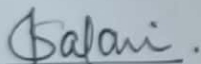
"DOMESTIC WIRING, MAINTENANCE & FITTING"

2<sup>nd</sup> December 2021 To 1<sup>st</sup> January 2022


Organized by

DEPARTMENT OF PHYSICS

This is to certify that, Miss. **Lohar Sakshi Maruti** of B.Sc. II has participated in and successfully completed the certificate course of DOMESTIC WIRING, MAINTENANCE, AND FITTING actively and her/his performance was **Excellent**

  
Dr. Dalvi D. S.

Course coordinator

  
Dr. Salunkhe C. B.  
Principal

