

Rayat Shikshan Sanstha's

Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)

Department- Physics

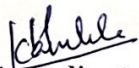
Value Added Course

Importance of Earthing

Year: 2022-23

Objectives

- ❖ To make availability of self employability.
- ❖ To develop confidence for doing job.
- ❖ To develop skills required for job.
- ❖ To develop knowledge of home equipments.
- ❖ To make the students aware about the process of earthing
- ❖ To create awareness in the society about importance of earthing and its benefits to the different instruments.
- ❖ To make the students able to escape mishap due to short circuits


Co-ordinator

(Ms. N. J. Kamble)




Head

Dept. of Physics

Rayat Shikshan Sanstha's

Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)

Department- Physics

Value Added Course

Year: 2022-23

Constitution of Committee

During the academic year 2022-23 the Department of Physics runs the Value added Course named "*Importance Of Earthing*" for B.Sc. III students.


Co-ordinator

(Ms. N. J. Kamble)



Head

Dept.of Physics

Rayat Shikshan Sanstha's

Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)

Department- Physics

Value Added Course

Year: 2022-23

Notice

All the B.Sc. III students are hereby informed that, Department of Physics is going to conduct a 1 month value added course named "Importance of Earthing". This course is free of cost and students will receive certificate on successful completion of Course. Students are requested to meet Ms. Kamble N. J before 10/01/2022 to Know more details about the course. The course will commence on 13/01/2022.



Co-ordinator
(Ms. N. J. Kamble)



Head
Dept. of Physics

Rayat Shikshan Sanstha's

Dr. Patangrao Kadam Mahavidyalaya ,Ramanandnagar (Burli)

Department of Physics

Value Added Course Syllabus

Importance of Earthing

2022-23

Sr. No	Topics
1.	What is earthing?
2.	Necessity of earthing
3.	Types of earthing
4.	Practicals
5.	Journals


Co- Cordinator

Miss. Kamble N.J.




Head,

Department of Physics

Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)
Department- Physics
Value Added Course
Year: 2022-23
Annual Planning

Sr. No.	Month	Particulars
1.	August	
2.	September	
3.	October	
4.	November	
5.	December	
6.	January	To prepare the constitution of the committee and call for the meeting
7.	February	Distribution of the syllabus to concerned faculty.
8.	March	Lectures and Practicals
9.	April	Meeting of the committee about the syllabus completion and arrangement of Exam
10.	May	Take exam of all students and check the answer sheets
11.	June	
12.	July	
13.	August	


Co-ordinator
(Ms. N. J. Kamble)




Head
Dept.of Physics

Rayat Shikshan Sanstha's

Arts, Science and Commerce College, Ramanandnagar (Burli)

Department- Physics

Value Added Course – Time Table

Year: 2022-23

Sr. No.	Day	Time	Theory/ Practical	Name of the Teacher
1	Friday	01:40pm to 02:30pm	Theory	Miss. Kamble N. J.
		02:30pm to 05:00pm	Practical	Mrs. Patil G. R Mr. Bhagyawant P. K.
2	Saturday	01:40pm to 02:30pm	Theory	Mr. Patil G. R
		02:30pm to 05:00pm	Practical	Miss. Kamble N.J. Ms. Jamadade B. P.


Co-Ordinator
Ms. N. J. Kamble




Head
Dept. of Physics

Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burl)

Department of Physics

Value Added Course

"Importance of Earthing"

List of students for Year : 2022-23

Sr. No.	Roll. No.	Name of the student	Gender
1	1893	Mr. Galave Anil Manohar	M
2	1894	Ms. Jadhav Prajakta Popat	F
3	1895	Ms. Jamadade Snehlata Mukund	F
4	1896	Mr. Mohite Sahil Anil	M
5	1897	Ms. Patil Nikita Avinash	F
6	1898	Ms. Pawar Priyanka Yelusa	F
7	1899	Mr. Phatak Ashutosh Bhimrao	M
8	1900	Mr. Salunkhe Rahul Lalaso	M
9	1901	Mr. Shikhare Vishwaraj Sanjay	M
10	1902	Mr. Shinde Unmesh Ramdas	M


Co-Coordinator
(Miss. Kamble N.J)




Head
Dept. of Physics

Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)

Dept. of Physics

Academic Year 2022-23

CLASS B.Sc. III YEAR

Value Added Course- Importance of Earthing

Attendance Sheet

Sr. No	Roll. No.	Name of the Student	Date									
			13/01/2023	20/01/2023	21/01/2023	27/01/2023	28/01/2023	3/02/2023	04/02/2023	10/02/2023	11/02/2023	17/02/2023
1	1893	Mr. Galave Anil Manohar	GAM	GAM	GAM	GAM	GAM	GAM	GAM	GAM	GAM	GAM
2	1894	Ms. Jadhav Prajakta Popat	P.P.J	P.P.J	P.P.J	P.P.J	P.P.J	P.P.J	P.P.J	P.P.J	P.P.J	P.P.J
3	1895	Ms. Jamadade Snehlata Mukund	SMJ	SMJ	SMJ	SMJ	SMJ	SMJ	SMJ	SMJ	SMJ	SMJ
4	1896	Mr. Mohite Sahil Anil	SA.M	SA.M	SA.M	SA.M	SA.M	SA.M	SA.M	SA.M	SA.M	SA.M
5	1897	Ms. Patil Nikita Avinash	NAP	NAP	NAP	NAP	NAP	NAP	NAP	NAP	NAP	NAP
6	1898	Ms. Pawar Priyanka Yelusa	P.Y.P	P.Y.P	P.Y.P	P.Y.P	P.Y.P	P.Y.P	P.Y.P	P.Y.P	P.Y.P	P.Y.P
7	1899	Mr. Phatak Ashutosh Bhimrao	A.B.P	A.B.P	A.B.P	A.B.P	A.B.P	A.B.P	A.B.P	A.B.P	A.B.P	A.B.P
8	1900	Mr. Salunkhe Rahul Lalaso	R.L.S	R.L.S	R.L.S	R.L.S	R.L.S	R.L.S	R.L.S	R.L.S	R.L.S	R.L.S
9	1901	Mr. Shikhare Vishwaraj Sanjay	VS	VS	VS	VS	VS	VS	VS	VS	VS	VS
10	1902	Mr. Shinde Unmesh Ramdas	UR	UR	UR	UR	UR	UR	UR	UR	UR	UR


Co-ordinator




Head

Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)

Department- Physics

Value Added Course

Year: 2022-23

Notice -01

Date: 13/01/2023

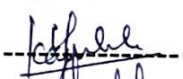
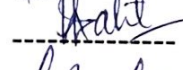
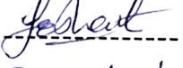
All the faculty and members of the committee are informed that the value added course committee meeting will be held on 14/01/2023 in department at 04:00pm. to discuss following subject.

Agenda:

- 1) Discussion on conduction of value added course during current academic year 2022-23 and to get the permission to conduct value added course named "Importance of Earthing".
- 2) To discuss on notice to student.
- 3) To discuss about the intake capacity of course.
- 4) Distribution of syllabus.
- 5) To discuss on weekly time table.

Chairman: Ms. Kamble N. J
Member: Dr. Patil G. R
Mr. Bhagywant P. K
Ms. Jamadade B. P.

Signature


Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)

Department- Physics

Value Added Course

Year: 2022-23

Proceeding of Meeting No.-01

Date: 20/01/2023

Meeting of the committee members was held in the department on 21/01/2023 at 04.00pm. The following findings were made.

- 1) Value added course is run by the department of Physics Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli), Shivaji University, Kolhapur. So it is necessary to get the permission to conduct the course.
- 2) If the permission is granted then the courses will be launched to B.Sc. III year student.
- 3) These courses will be held free of cost and certificates will be provided after successful completion of course.
- 4) Discussed about the syllabus distribution and the preparation of time table.

Following member were present for the meeting

Chairman: Ms. Kamble N. J

Member: Dr. Patil G. R

Mr. Bhagywant P. K.

Ms. Jamadade B. P.

Signature







Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)
Department- Physics
Value added courses

Year: 2021-22

Notice -02

Dates: 15/02/2023

All the faculty and members of the committee are informed that the value added course committee meeting will held on 17/02/2023 in department at 04:30pm. to discuss following subject.

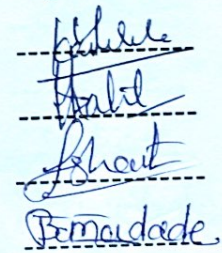
Agenda:

1. To take the review of the syllabus completion.
2. To conduct practical and theory exams as per the guidelines of the Karmveer Vidya Prabodhini, Rayat Shikshan Sanstha, Satara.

Chairman: Ms. Kamble N. J

Member: Dr. Patil G. R
Mr. Bhagywant P. K.
Ms. Jamadade B. P.

Signature



Rayat Shikshan Sanstha's

Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)

Department- Physics

Value added courses

Year: 2022-23

Proceeding of Meeting No-02

Date: 24/02/2023

Meeting of the committee members was held in the department on 25/02/2023 at 04.30 pm. The following discussion was made.

1. Review syllabus completion and give necessary suggestions to the faculties to complete it.
2. Discussion is made about the conduction of practical and theory exams as per the guidelines of the Karmveer Vidya Prabodhini, Rayat Shikshan Sanstha Satara.

Following members were present for the meeting.

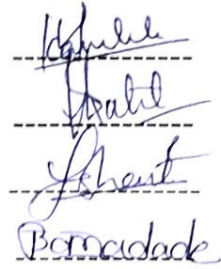
Chairman: Ms. Kamble N. J

Member: Dr. Patil G. R

Mr. Bhagywant P. K.

Ms. Jamadade B. P.

Signature



Rayat Shikshan Sanstha's
Dr. Patnagrao Kadam Mahavidyalaya, Ramanandnagar (Burli)

Department of Physics

Value Added Course Theory Examination 2022-23

Importance of Earthing

Name of the Student : _____

Date : _____

Roll No: _____

Total Marks : 20

Class : _____

Time : 11:30 to 12:00 pm

PRN: _____

Marks obtained :

- Instructions:** 1. Each question carries two marks
2. All questions are mandatory.

1. Most of the substations in the power system changeof electric supply.

- A. Current level
C. Both A and B

- B. Voltage level
D. None of the above

☐

2. Earthing is necessary to give protection against

- A. Danger of electric shock
C. Overloading

- B. Voltage fluctuation
D. High temperature of the conductors

☐

3. Solid grounding is adopted for voltages below

- A. 100 V
C. 660 V

- B. 200 V
D. 400 V

☐

4. The advantage of neutral earthing is.....

- A. Freedom from persistent arcing grounds
C. Simplified design earth fault protection

- B. safety of personnel
D. All of the above

☐

5. In a star connected system without neutral grounding, zero sequence currents are

- A. Zero
C. Same as r.m.s. value of phase currents

- B. Phasor sum of phase currents
D. Same as peak value of phase currents

☐☐

Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)

Department of Physics

Value Added Course

"Importance of Earthing"

Final Result

Sr. No.	Roll. No.	Name of the student	Marks obtained out of 20 (Theory)	Marks obtained out of 20 (Practical)	Marks obtained out of 10 (Oral)	Total Marks Obtained (Out of 50)
1	1893	Mr. Galave Anil Manohar	Ab	Ab	Ab	Ab
2	1894	Ms. Jadhav Prajakta Popat	18	17	07	42
3	1895	Ms. Jamadade Snehlata Mukund	16	14	06	36
4	1896	Mr. Mohite Sahil Anil	18	17	08	43
5	1897	Ms. Patil Nikita Avinash	20	19	10	49
6	1898	Ms. Pawar Priyanka Yelusa	16	19	09	44
7	1899	Mr. Phatak Ashutosh Bhimrao	18	18	09	45
8	1900	Mr. Salunkhe Rahul Lalaso	14	17	08	39
9	1901	Mr. Shikhare Vishwaraj Sanjay	20	19	09	48
10	1902	Mr. Shinde Unmesh Ramdas	18	18	09	45


Co-Coordinator
(Miss. Kamble N.J.)




Head
Dept. of Physics

Rayat Shikshan Sanstha's

Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)

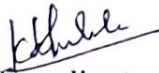
Department- Physics

Value added courses

Year: 2022-23

Action Report

“Importance of Earthing” this Value added course is made mandatory for B.Sc. final year students. The committee was established at the beginning of the year 2021-22. The total 10 students and a team of four faculties of department of physics was involved in this course. This value added courses (one month) has been run during this year. The technical information was given to the students. The detailed information about the ‘**Importance of Earthing**’ were given to the admitted student.


Co-ordinator
(Ms. N. J. Kamble)




Head
Dept. of Physics

Rayat Shikshan Sanstha's

Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)

Department- Physics

Value added courses

Year: 2022-23

Annual Report

After completion of the value added course "Importance of Earthing", the students admitted that through the course they gained fruitful knowledge about importance of earthing to the devices. Because of the lack of information about appliances, several mishaps are caused. The students were given proper information about this appliances by subject experts. All students hereby completed the course in tenure of one month (30 contact hours) attended theory, practical as well as oral exams conducted for the same.

Students stated that the handling of the appliances is very easy with prior knowledge of how devices work, therefore it is necessary to know about the appliances. This was achieved by this value added course altogether.

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Department- Physics

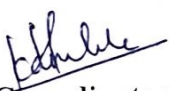
Value added courses

IMPORTANCE OF EARTHING

Year: 2021-22

Future plan

1. In future we aim to involve more students in short term course and value added courses. We have also decided to invite the subject experts to guide students as part of the course.
2. The committee is planned to implement project on repairing of domestic appliances.
3. To create the awareness in the society to save energy and conserve it by using non-convetional energy resources.


Co-ordinator

(Ms. N. J. Kamble)




Head

Dept.of Physics