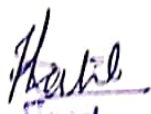


Rajal Shiksha Sanstha's
Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burl)
Department- Physics
Value Added Course
Year: 2021-22

Constitution of Committee

During the academic year 2021-22 the Department of Physics runs the Value added Course named "Importance Of Earthing " for B.Sc. III students.


Head,
Department of Physics
Dr. Patangrao Kadam Mahavidyalaya,
Ramanandnagar (Burl)

Rayat Shikshan Sanstha's

Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)

Department- Physics

Value Added Course

Year: 2021-22

Annual Planning

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


Head,
Department of Physics
Dr. Patangrao Kadam Mahavidyalaya,
Ramanandnagar

Rayat Shikshan Sanstha's

Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)

Department- Physics

Value Added Course

Importance of Earthing

Year: 2021-22

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

Atul
Head,

Department of Physics
Dr. Patangrao Kadam Mahavidyalaya,
Ramanandnagar (Burli)

Rayat Shikshan Sanstha's

Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)

Department- Physics

Value Added Course

Year: 2021-22

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 30/07/2020 to Know more details about the course.


Co-ordinator


Head,
Department of Physics
Dr. Patangrao Kadam Mahavidyalaya,
Ramanandnagar (Burli)

Rayat Shikshan Sanstha's

Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)

Department- Physics

Value Added Course

Year: 2021-22

Notice -01

Date: 23/03/2022

All the faculty and members of the committee are informed that the value added course committee meeting will be held on 25/03/2021 in department at 04:00pm. to discuss following subject.

Agenda:

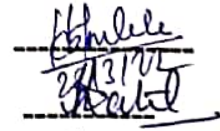
- 1) Discussion on conduction of value added course during current academic year 2021-22 and to get the permission to conduct value added course named "Importance of Earthing".
- 2) To discuss on notice to student.
- 3) To discuss about the intake capacity of course.
- 4) Distribution of syllabus.
- 5) To discuss on weekly time table.


Chairman: Ms. Kamble N. J

Member: Dr. Patil G. R

Mr. Bhagywant P. K

Signature


23/3/22



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

Department- Physics

Value Added Course

Year: 2021-22

Proceeding of Meeting No.-01

Date: 26/03/2022

Meeting of the committee members was held in the department on 25/03/2022 at 04.00pm. The following findings were made.

- 1) Value added course is run by the department of Physics A.S.C. College 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.

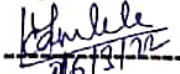
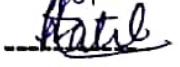
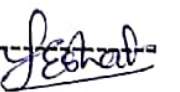
Following member were present for the meeting

Chairman: Ms. Kamble N. J

Member: Dr. Patil G. R

Mr. Bhagywant P. K.

Signature

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

Department of Physics
Value Added Course Syllabus


Importance of Earthing

2021-22

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


Co-Coordinator

Miss. Kamble N.J.


Head,
Department of Physics
Dr. P. Department of Physics
Mahavidyalaya,
Ramanandnagar (Burl)

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

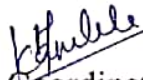
Department of Physics

Value Added Course

"Importance of Earthing"

List of students for Year : 2021-22

Sr. No.	Roll. No.	Name of the student
1	1922	Chougule Rupali Mahavir
2	1923	Gavade Shivani Ganapati
3	1924	Mujawar Parwin Hamid
4	1925	Jadhav Dhananjay Pandurang
5	1928	Kolkar Bistawa Anand
6	1929	Salunkhe Anjali Sampatrao
7	1930	Shinde Zunzarrao Baburao
8	1931	Suryawanshi Shreyas Subhash


Co-Coordinator
(Miss. Kamble N.J)


Head,
Department of Physics
Dept. of Physics
Dr. Patangrao Kadam Mahavidyalaya,
Ramanandnagar (Burli)

Rayat Shikshan Sanstha's

Arts, Science and Commerce College, Ramanandnagar (Burli)

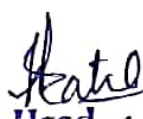
Department- Physics

Value Added Course – Time Table

Year: 2021-22

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 Miss. Kamble N. J
2	Saturday	01:40pm to 02:30pm	Theory	Mr. Patil G. R
		02:30pm to 05:00pm	Practical	Mrs. Patil G. R Miss. Kamble N.J


Co-coordinator


Head
Department of Physics
Dept. of Physics
Dr. Patangrao Madam Mahadevji Jadhav,
Ramanandnagar (Burli)

Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burlii)

Dept. of Physics

Academic Year 2021-22

CLASS B.Sc. III YEAR

Short term course- Student Attendance

Sr. No	Roll. No.	Name of the Student	Date										
			6 May '22	7 May '22	13 May '22	14 May '22	20 May '22	21 May '22	27 May '22	28 May '22	3 June '22	4 June '22	
1	1922	Chougule Rupali Mahavir	P	P	P	P	P	P	P	P	P	P	P
2	1923	Gavade Shivani Ganapati	P	P	P	P	P	P	P	P	P	P	P
3	1924	Mujawar Parwin Hamid	P	P	P	P	P	P	P	P	P	P	P
4	1925	Jadhav Dhananjay Pandurang	P	P	P	P	P	P	P	P	P	P	P
5	1928	Kolkar Bistawa Anand	P	P	P	P	P	P	P	P	P	P	P
6	1929	Salunkhe Anjali Sampatrao	P	P	P	P	P	P	P	P	P	P	P
7	1930	Shinde Zunzarao Baburao	P	P	P	P	P	P	P	P	P	P	P
8	1931	Suryawanshi Shreyas Subhash	P	P	P	P	P	P	P	P	P	P	P


Coordinator


Department of Physics
Dr. Patangrao Kadam Mahavidyalaya,

Rayat Shikshan Sanstha's

Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)

Department- Physics

Value added courses

Year: 2021-22

Notice -02

Dates: 10/06/2022

All the faculty and members of the committee are informed that the value added course committee meeting will held on 12/06/2022 in department at 04:30pm. to discuss following subject.

Agenda:

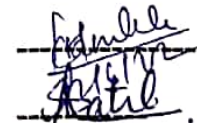
1. To take the review of the syllabus completion
2. To conduct practical and theory exams as per the guidelines of the department of Adult and Continuing Education & Extension Work, Shivaji University, Kolhapur.

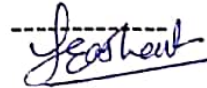
Chairman: Ms. Kamble N. J

Member: Dr. Patil G. R

Mr. Bhagywant P. K.

Signature





Rayat Shikshan Sanstha's

Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)

Department- Physics

Value added courses

Year: 2021-22

Proceeding of Meeting No=02

Date: 13/06/2022

Meeting of the committee members was held in the department on 12/06/2022 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.

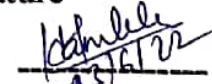
Following members were present for the meeting.

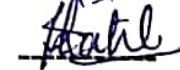
Chairman: Ms. Kamble N. J

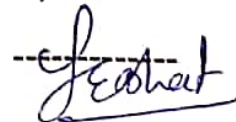
Member: Dr. Patil G. R

Mr. Bhagywant P. K.

Signature







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

Department of Physics

Value Added Course Theory Examination 2021-22

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. Phaser sum of phase currents
D. Same as peak value of phase currents

6. The over voltage surge in power systems may be caused by

- A. Lightning
- C. Switching

- B. Resonance
- D. All of the above

7. The neutral wire is coloured

- A. Red
- C. Black

- B. Blue
- D. Yellow

8. Grounding transformer is used where neutralavailable

- A. Is
- C. Either A or B

- B. Is not
- D. None of the above

9. The ground wire is coloured

- A. Green
- C. Yellow

- B. Black
- D. Red

10. Following equipment is used to limit short circuit current level in a Sub Station.....

- A. Isolator
- C. Coupling capacitor

- B. Lightning switch
- D. Series reactor

SPACE FOR ROUGH WORK

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 100)
1	1922	Chougule Rupali Mahavir	17	18	10	45
2	1923	Gavade Shivani Ganapati	18	17	10	45
3	1924	Mujawar Parwin Hamid	18	18	09	45
4	1925	Jadhav Dhananjay Pandurang	19	18	10	47
5	1928	Kolkar Bistawa Anand	18	18	10	46
6	1929	Salunkhe Anjali Sampatrao	19	18	10	47
7	1930	Shinde Zunzarrao Baburao	16	19	09	44
8	1931	Suryawanshi Shreyas Subhash	18	19	10	47

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

Kamblé
Head
Department of Physics
Dr. Patangrao Kadam Mahavidyalaya,
Ramanandnagar (Burli)

Rayat Shikshan Sanstha's

Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)

Department- Physics

Value added courses

Year: 2020-21

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 08 students and a team of three 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.



Head,
Department of Physics
Dr. Patangrao Kadam Mahavidyalaya,
Ramanandnagar (Burli)

Rayat Shikshan Sanstha's

Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)

Department- Physics

Short Term and Value added courses

Year: 2021-22

Experiential feelings

After completion of the value added course "Importance of Earthing", the students admitted to this course gained fruitful knowledge about importance of earthing to the devices. Because of the lack of information about appliances, several mishaps are caused. The students gave proper information about this appliances to people in the society. All students went from home to home and shared knowledge regarding the electric appliances.

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.



Head,
Department of Physics
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Ramanandnagar (Burli)

Rayat Shikshan Sanstha's

Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)

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.


Head,
Department of Physics
Dr. Patangrao Kadam Mahavidyalaya,
Ramanandnagar (Burli)