

Maharana Pratapsinh Shikshan Sanstha Mumbai's
Anandibai Raorane Arts, Commerce and Science College, Vaibhawwadi



DEPARTMENT OF PHYSICS

Activity Report (2023-24)

Sr. No. & Name of the Activity	Soft skills in Physics – Certificate Course	
Day, Date & Time	09/01/2024 – 30/03/2024	
Venue	Department of Physics General Lab	
Activity for College/Class/Group	FYBSC – PMS Group students and TYBSC Physics students	
Nature: Co-Curricular Activity	No. of Participants	17
Objectives of the Activity	1. To boost the foundation of Basic Principles and Phenomena in Physics. 2. To improve and develop professional skills among students.	
Methodology/Brief Information of the Activity	Asst. Prof. Dr. M. A. Chougule and Asst. Prof. Mr. P. M. Dhere conducted the certificate course for TYBSC PMS group students through 45 periods.	
Expected Outcome	Due to exposure to basic skills in Physics, student may benefit acquiring the industrial jobs. Students may also set their own small businesses.	
Feedback Analysis	Students enjoyed this activity very much as their hidden skills were exposed and brought out properly.	
Supporting Documents	1. Notice 2. Registered Student List 3. Attendance Sheet 4. Result 5. Syllabus 6. Report	


Head of Physics
 ARACS College, Vaibhawwadi.


Principal
 Anandibai Raorane Arts, Commerce
 & Science College, Vaibhawwadi

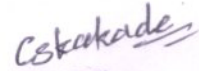


NOTICE

Tuesday 02/01/2024

All FYBSc, SYBSc and TYBSc students are hereby informed that, the certificate course of the department of Physics entitled "soft skills in Physics" will commence from 2nd week of January 2024. The interested candidates are hereby informed to register their names with Asst. Prof. Mr. P. M. Dhere, Dept. of Physics before 7th Jan 2024.


Head Dept. of Physics
ARACS College, Vaibhavwadi.
(Head Dept. of Physics)


PRINCIPAL
Anandbal Commerce
& Science College, Vaibhavwadi



MPSS's Mumbai's Anandibai Raorane Arts, Commerce and Science College, Vaibhavwadi

DEPARTMENT OF PHYSICS

Certificate Course – Soft skills in Physics Enrolled student list 2023-24

Sr. No.	Name of the student	Class
1	BHOGATE DIGVIJAY DINESH	TYBSC STATISTICS
2	DALAVI MAKARAND VIJAY	TYBSC PHYSICS
3	DALAVI MANASWI DNYANESHWAR	TYBSC PHYSICS
4	GAVALI TRIVENI BHIMRAO	TYBSC PHYSICS
5	GAWALI NIKHIL NAMDEV	TYBSC MATHEMATICS
6	GURAV OMKAR VIJAY	TYBSC MATHEMATICS
7	KAMBLE ASHISH YASHAWANT	TYBSC STATISTICS
8	KAMBLE RUSHIKESH SAMBHAJI	TYBSC STATISTICS
9	KUBADE BHUSHAN SUBHASH	TYBSC STATISTICS
10	MIRASE LALITA BALOJI	TYBSC STATISTICS
11	MORAYE TUSHAR DEVIDAS	TYBSC MATHEMATICS
12	NARKAR MANDAR PRAKASH	TYBSC - PHYSICS
13	PAWAR SUMIT CHANDRAHAS	TYBSC STATISTICS
14	RATHOD LALITA KRISHNA	TYBSC PHYSICS
15	SANSARE ADITYA BHAGYAWANT	TYBSC STATISTICS
16	SAWANT KALPESH VAMAN	TYBSC STATISTICS
17	TAWADE AKSHAY RAJESH	TYBSC STATISTICS


Course instructor


Head, Department of Physics
Anandibai Raorane Arts, Commerce & Science College, Vaibhavwadi

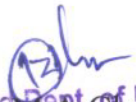

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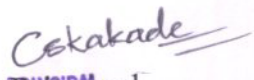


Lecture Notice

Monday, 08/01/2024

All students who have registered for certificate course in Physics entitled *Soft Skills in Physics* are hereby informed that, certificate course lectures will commence from, Tuesday 09/01/2024. Please take a note and attend the same.


Head Dept. of Physics
Dr. M.A. Chougule
ARACS College, Vaibhavwadi.
(Head Dept. of Physics)


Principal
Principal
Ranidbal Raorane Arts, Commerce
& Science College, Vaibhavwadi

MPSS's Mumbai's Anandibai Raorane Arts, Commerce and Science College, Vaibhavwadi

Department of Physics

Certificate Course – Soft skills in Physics Attendance Report 2023-24 Month : January 2024 - March 2024



Sr. No.	Name of the Student	9/01	10/01	11/01	12/01	17/01	18/01	29/01	31/01	01/02	02/02	06/02	08/02	13/02	15/02	22/02	26/02	29/02
1	BHOGATE DIGVIJAY DINESH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
2	DALAVI MAKARAND VIJAY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
3	DALAVI MANASWI DNYANESHWAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	GAVALI TRIVENI BHIMRAO	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
5	GAWALI NIKHIL NAMDEV	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	GURAV OMKAR VIJAY	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7	KAMBLE ASHISH YASHAWANT	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P
8	KAMBLE RUSHIKESH SAMBHAJI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9	KUBADE BHUSHAN SUBHASH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10	MIRASE LALITA BALOJI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	MORAYE TUSHAR DEVIDAS	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12	NARKAR MANDAR PRAKASH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13	PAWAR SUMIT CHANDRAHAS	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14	RATHOD LALITA KRISHNA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
15	SANSARE ADITYA BHAGYAWANT	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	SAWANT KALPESH VAMAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	TAWADE AKSHAY RAJESH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Number of Periods		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Name of the Teacher		MAC	PMD	MAC	PMD	MAC	PMD	MAC	PMD	MAC	PMD	MAC	PMD	MAC	PMD	MAC	PMD	MAC

[Signature]
Course instructor

[Signature]
Head of Department of Physics
ARACS College, Vaibhavwadi

[Signature]
Principal
Anandibai Raorane Arts, Commerce & Science College, Vaibhavwadi

MPSS's Mumbai's Anandibai Raorane Arts, Commerce and Science College, Vaibhavwadi

Department of Physics

Certificate Course – Soft skills in Physics Attendance Report 2023-24 Month : January 2024 -March 2024

Sr. No.	Name of the Student	01/03	05/03	07/03	12/03	18/03	20/03
1	BHOGATE DIGVIJAY DINESH	P	P	P	P	P	P
2	DALAVI MAKARAND VIJAY	P	P	P	P	P	P
3	DALAVI MANASWI DNYANESHWAR	P	P	P	P	P	P
4	GAWALI TRIVENI BHIMRAO	P	P	P	P	P	P
5	GAWALI NIKHIL NAMDEV	P	P	P	P	P	P
6	GURAV OMKAR VIJAY	P	A	P	P	P	P
7	KAMBLE ASHISH YASHAWANT	P	P	P	P	P	P
8	KAMBLE RUSHIKESH SAMBHAJI	P	P	P	A	P	P
9	KUBADE BHUSHAN SUBHASH	P	P	P	P	P	P
10	MIRASE LALITA BALOJI	P	P	P	P	P	P
11	MORAYE TUSHAR DEVIDAS	P	P	A	P	P	P
12	NARKAR MANDAR PRAKASH	P	P	P	P	P	P
13	PAWAR SUMIT CHANDRAHAS	P	P	P	P	P	P
14	RATHOD LALITA KRISHNA	P	P	P	P	P	P
15	SANSARE ADITYA BHAGYAWANT	P	P	P	P	P	P
16	SAWANT KALPESH VAMAN	P	P	P	P	A	P
17	TAWADE AKSHAY RAJESH	P	P	P	P	P	P
Number of Periods		2	2	2	2	2	1
Name of the Teacher		MAC	PMD	MAC	PMD	MAC	PMD


Course instructor


Head, Department of Physics
Anandibai Raorane Arts, Commerce & Science College, Vaibhavwadi


Principal
Anandibai Raorane Arts, Commerce & Science College, Vaibhavwadi





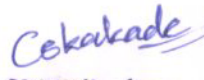
Examination Notice

Tuesday, 27/03/2024

All students who have registered for certificate course in Physics entitled *Soft Skills in Physics* are hereby informed that, the theory examination for certificate course will be conducted on Saturday, 30th March 2024 between 10:00 AM – 11:00 AM.

Venue – Smart Room


Head Dept. of Physics
Dr. M.A. Chougule
ARACS College, Vaibhavwadi
(Head Dept. of Physics)


Principal
ARACS College, Vaibhavwadi
& Science College, Vaibhavwadi



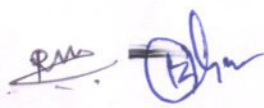
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DEPARTMENT OF PHYSICS

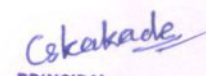
Certificate Course – Soft skills in Physics Result

(Examination March 2024 + Practical Performance)

Sr. No.	Name of the student	Marks		Total Marks out of 100	Result	Grade
		Theory Exam	Practical			
1	BHOGATE DIGVIJAY DINESH	42 / 60	30 / 40	72	Pass	A+
2	DALAVI MAKARAND VIJAY	60 / 60	36 / 40	96	Pass	O
3	DALAVI MANASWI DNYANESHWAR	60 / 60	36 / 40	96	Pass	O
4	GAVALI TRIVENI BHIMRAO	60 / 60	36 / 40	96	Pass	O
5	GAWALI NIKHIL NAMDEV	43 / 60	16 / 40	59	Pass	B+
6	GURAVOMKAR VIJAY	30 / 60	24 / 40	54	Pass	B
7	KAMBLE ASHISH YASHAWANT	60 / 60	36 / 40	96	Pass	O
8	KAMBLE RUSHIKESH SAMBHAJI	30 / 60	24 / 40	54	Pass	B
9	KUBADE BHUSHAN SUBHASH	30 / 60	25 / 40	55	Pass	B+
10	MIRASE LALITA BALOJI	42 / 60	26 / 40	68	Pass	A
11	MORAYE TUSHAR DEVIDAS	42 / 60	17 / 40	59	Pass	B+
12	NARKAR MANDAR PRAKASH	60 / 60	36 / 40	96	Pass	O
13	PAWAR SUMIT CHANDRAHAS	36 / 60	26 / 40	62	Pass	A
14	RATHOD LALITA KRISHNA	54 / 60	35 / 40	89	Pass	O
15	SANSARE ADITYA BHAGYAWANT	48 / 60	32 / 40	80	Pass	O
16	SAWANT KALPESH VAMAN	42 / 60	17 / 40	59	Pass	B+
17	TAWADE AKSHAY RAJESH	60 / 60	36 / 40	96	Pass	O


Examiner

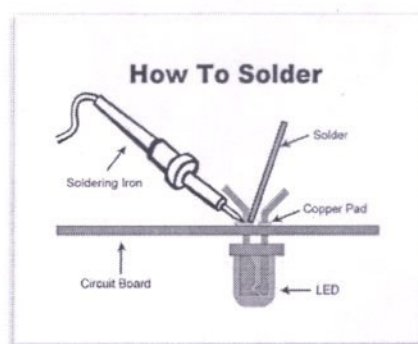
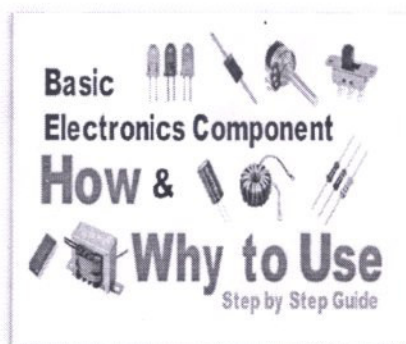
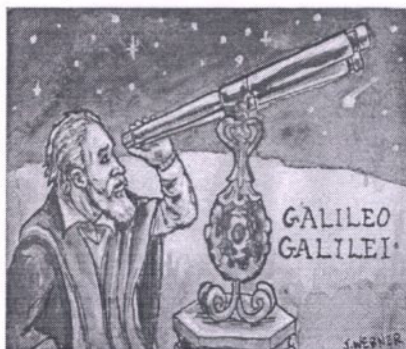

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**DEPARTMENT OF
PHYSICS**

Introduces a certificate course in Physics.



Title of the course : Soft skills in Physics (2023-24)

Course designer : Dr. M.A. Chougule and Mr. P. M. Dhere

Course Instructor : Dr. M.A. Chougule and Mr. P. M. Dhere

Course Duration : 3 Months

No. of periods : 45

Course Code - PHYCC2023-01

Objective :

Physics is one of the leading natural sciences that studies nature and fundamental things around us. For viable job prospects, a core knowledge in physics is necessary. Understanding the basic things will boost the foundation for further education into the study of the nature of our planet earth and hence the universe.

Introduction of this certificate course will definitely help students to enhance their imagination and practical knowledge.

Learning outcomes:

This qualification will develop students learning in four main areas:

- Knowledge and understanding
- Cognitive skills
- Practical and professional skills
- Key skills for industrial use



Course Syllabus

Unit No.	Contents	No. of periods
I	Basics of Soldering technique, need of soldering, applications and precautions.	6
II	Basic electronics, basic components and their uses, few basic circuit designs.	6
III	Measurement devices in physics, measurement methods, least counts and their uses.	6
IV	Optical instruments, construction of basic telescope, periscope.	6

Practicals

Sr. No.	Contents	No. of periods
1	Soldering a wire or circuit components.	3
2	Understanding rectification.	3
3	Understanding basic electrical components.	3
4	Security alarm circuit designing.	3
5	Measuring the density of given material with the use of micrometer/ Vernier caliper	3
6	Designing your own telescope.	3
7	Practical Revision	3



Method of Assessment :

Sr. No.	Mode of Evaluation	Marks
1	Theory Exam	60 M
2	Regular Practical wise evaluation	40 M
Total	100 M	

To pass the certificate course, the candidate should obtain min. 40 % aggregate marks.


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