




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

Department of Physics
Activity Report (2022-23)

Sr. No. & Name of the Activity	5. Soft skills in Physics – Certificate Course	
Day, Date & Time	05/01/2023 – 06/04/2023	
Venue	Department of Physics General Lab	
Activity for College/Class/Group	TYBSC Physics, Mathematics and Statistics students	
Nature: Co-curricular Activity	No. of Participants	25 (M -10 , F – 15)
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. Dhare conducted the certificate course for FYBSC PMS group and TYBSC Physics students through 24 Hrs. of Theory and 21 Hrs. of Lab work. Students performance was evaluated through regular attendance, acquired practical skills and final exam.	
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 liked this activity very much as their hidden skills were exposed and brought out properly.	
Supporting Documents	1. Notice 2. Student List 3. Attendance Sheet 4. Result 5. Report 6. Syllabus	


HoD/Coordinator
Head Dept. of Physics
ARACS College, Vaibhavwadi


Principal
Anandibai Raorane Arts, Commerce & Science
College, Vaibhavwadi



NOTICE

Saturday 24/12/2022

→ 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 1st week of January 2023. The interested candidates are hereby informed to register their names with following faculties, on or before 3rd January 2023.

Name of the faculty:

1. Asst. Prof. Dr. M. A. Chougule - Mob. 9423301382
2. Asst. Prof. Mr. P. M. Dhere - Mob. - 8766881631

Dr. M.A.Chougule
Head Dept. of Physics
(Head Dept. of Physics)
ARA, Vaibhawadi

Principal
Principal
Anandibai Radhane Arts, Commerce & Science
College, Vaibhawadi



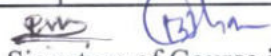
Maharana Pratapsinh Shikshan Sanstha Mumbai's

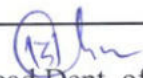
Anandibai Raorane Arts, Commerce and Science College, Vaibhavwadi

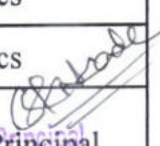
Department of Physics

Certificate Course- Softskills in Physics Classwise enrolled student list 2022-23

Sr. No.	Name of the student	Class
1	BAVDANE SWAPNIL TUKARAM	FYBSC - PMS
2	GHADIGAONKAR SIDDHI LALIT	FYBSC - PMS
3	GURAV SURAJ BALAWANT	FYBSC - PMS
4	HUMBE POOJA PANDURANG	FYBSC - PMS
5	JETHE PRIYANKA GANESH	FYBSC - PMS
6	KADAM AKSHATA ANKUSH	FYBSC - PMS
7	MAGDUM SAGAR SANJAY	FYBSC - PMS
8	MALIM SHARMIN ABDULGAFUR	FYBSC - PMS
9	NARKAR SANIKA RAGHOBHA	FYBSC - PMS
10	PATIL TEJASWINI SATYAWAN	FYBSC - PMS
11	RAMDUL FIZA SALIM	FYBSC - PMS
12	RANE MAHESH MANOHAR	FYBSC - PMS
13	RAORANE NIDHEE GIRIDHAR	FYBSC - PMS
14	RAORANE SAKSHEE JAYWANT	FYBSC - PMS
15	SAWANT PRANAY PRAKASH	FYBSC - PMS
16	SHELKE VAIBHAVI SATYAWAN	FYBSC - PMS
17	SHETYE ASHWINI JAGADISH	FYBSC - PMS
18	VICHARE TEJASRI SRIKRUSHNA	FYBSC - PMS
19	HIROJI SHUBHAM SHANTARAM	TYBSC - Physics
20	KAMBLE ANAND DATTATRAY	TYBSC - Physics
21	KAMBLE PRERANA DILIP	TYBSC - Physics
22	NARKAR SIDDHI SANJAY	TYBSC - Physics
23	NAVALE AKSHAY SANTOSH	TYBSC - Physics
24	PATANE MAHESH CHANDRAKANT	TYBSC - Physics
25	TAMBE SAHIL VILAS	TYBSC - Physics


Signature of Course instructor
(Mr. P. M. Dhore) M. A. Chougale


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



Principal
Anandibai Raorane Arts, Commerce & Science
College, Vaibhavwadi.



NOTICE

Wednesday 04/01/2023

All FYBSc (PMS- group) and TYBSc (Physics) students are hereby informed that the lecture and practical sessions for the certificate course in Physics will commence from Thursday, 5th Jan. 2023. The schedule of the program will depend upon the availability of time and will be notified in advance accordingly. Kindly follow the same.


Dr. M.A.Chougule
Head Dept. of Physics
(Head Dept. of Physics)
Anandibai Rastane Arts, Commerce & Science College, Vaibhavwadi


Principal
Anandibai Rastane Arts, Commerce & Science
College, Vaibhavwadi



Maharana Pratapsinh Shikshan Sansha Mumbai's
Anandibai Raorane Arts, Commerce and Science College, Vaibhavwadi

Department of Physics

Certificate Course enrolled student Attendance list 2022-23

Sr. No.	Name of the student	5/01/2023	11/01/2023	18/01/2023	25/01/2023	1/02/2023	8/02/2023	15/02/2023	22/02/2023	01/03/2023	08/03/2023	15/03/2023	22/03/2023	29/03/2023	05/04/2023	12/04/2023	19/04/2023	26/04/2023	03/05/2023	10/05/2023	17/05/2023	24/05/2023	31/05/2023	06/06/2023	13/06/2023	20/06/2023	27/06/2023		
1	BAVDANE SWAPNIL TUKARAM	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
2	GHADIGAONKAR SIDDHI LALIT	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
3	GURAV SURAJ BALAWANT	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	HUMBE POOJA PANDURANG	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
5	JETHE PRIYANKA GANESH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	KADAM AKSHATA 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	P	P	P	P
7	MAGDUM SAGAR SANJAY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8	MALIM SHARMIN ABDULGAFUR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9	NARKAR'SANIKA RAGHOBA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10	PATIL TEJASWINI SATYAWAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	RAMDUL FIZA SALIM	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12	RANE MAHESH MANOHAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13	RAORANE NIDHEE GIRIDHAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14	RAORANE SAKSHI JAYWANT	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
15	SAWANT PRANAY PRAKASH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	SHELKE VAIBHAVI SATYAWAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	SHETYE ASHWINI JAGADISH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
18	VICHARE TEJASRI SRIKRUSHNA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19	HIROJI SHUBHAM SHANTARAM	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
20	KAMBLE ANAND DATTATRAY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
21	KAMBLE PRERANA 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	P	P	P	P
22	NARKAR SIDDHI SANJAY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
23	NAVALE AKSHAY SANTOSH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
24	PATANE MAHESH CHANDRANKANT	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25	TAMBE SAHIL VILAS	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
	No. of Periods	2	1	3	2	1	3	2	1	3	2	1	3	2	1	3	2	1	3	2	1	3	2	1	3	2	1	3	2

MAC

(Signature)
 Signature of Course Instructor
 (Asst. Prof. Mrs. P. M. Dhore)

Head Dept. of Physics

Head Dept. of Physics

ARACS College, Vaibhavwadi

Principal

Anandibai Raorane Arts, Commerce & Science College, Vaibhavwadi

AMD




EXAM NOTICE

Thursday, 30/03/2023

All FYBSc (PMS- group) and TYBSc (Physics) students are hereby informed that the theory exam for the certificate course in Physics will be held on 6th Apr.2023 between 09 : 00 AM – 10 : 30 AM. It is mandatory to appear for the theory exam so as to complete the certificate course. Exam will be conducted in an online mode. The exam link will be shared accordingly.

Time: 1 Hr.

Marks Allowed: 60


Dr. M.A.Chougule
Head Dept. of Physics
Anandibai Raorane Arts, Commerce & Science College, Vaibhavwadi


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 Result

(Examination April 2023 + Practical Performance)



Sr. No.	Name of the student	Marks		Total Marks out of 100	Result	Grade
		Theory Exam	Practical			
1	Bavdane Swapnil Tukaram	34 / 60	30 / 40	64	Pass	A
2	Ghadigaonkar Siddhi Lalit	46 / 60	36 / 40	82	Pass	O
3	Gurav Suraj Balawant	30 / 60	26 / 40	56	Pass	B+
4	Humbe Pooja Pandurang	36 / 60	24 / 40	60	Pass	B+
5	Jethe Priyanka Ganesh	48 / 60	38 / 40	86	Pass	O
6	Kadam Akshata Ankush	40 / 60	36 / 40	76	Pass	A+
7	Magdum Sagar Sanjay	34 / 60	30 / 40	64	Pass	A
8	Malim Sharmin Abdulgafur	00 / 60	00 / 40	00	Fail	F
9	Narkar Sanika Raghoba	40 / 60	34 / 40	74	Pass	A+
10	Patil Tejaswini Satyawan	48 / 60	38 / 40	86	Pass	O
11	Ramdul Fiza Salim	38 / 60	32 / 40	70	Pass	A
12	Rane Mahesh Manohar	44 / 60	36 / 40	80	Pass	A+
13	Raorane Nidhee Giridhar	42 / 60	32 / 40	74	Pass	A+
14	Raorane Sakshee Jaywant	40 / 60	32 / 40	72	Pass	A+
15	Sawant Pranay Prakash	38 / 60	34 / 40	72	Pass	A+
16	Shelke Vaibhavi Satyawan	36 / 60	30 / 40	66	Pass	A
17	Shetye Ashwini Jagadish	40 / 60	32 / 40	72	Pass	A+
18	Vichare Tejasri Srikrushna	50 / 60	40 / 40	90	Pass	O
19	Hiroji Shubham Shantaram	42 / 60	30 / 40	72	Pass	A+
20	Kamble Anand Dattatray	44 / 60	32 / 40	76	Pass	A+
21	Kamble Prerana Dilip	50 / 60	40 / 40	90	Pass	O
22	Narkar Siddhi Sanjay	52 / 60	40 / 40	92	Pass	O
23	Navale Akshay Santosh	52 / 60	40 / 40	92	Pass	O
24	Patane Mahesh Chandrakant	46 / 60	38 / 40	84	Pass	O
25	Tambe Sahil Vilas	50 / 60	40 / 40	90	Pass	O

Examiner

(Asst. Prof. Mr. P. M. Dhore)

Head, Department of Physics

ARACS College, Vaibhavwadi

Principal

Anandibai Raorane Arts, Commerce & Science College, Vaibhavwadi

Anandibai Raorane Arts, Commerce and Science College, Vaibhavwadi

**DEPARTMENT OF
PHYSICS**

Introduces a certificate course in Physics.



Title of the course : Softskills in Physics (2022-23)

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

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

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.


Head, Department of Physics
Head Dept. of Physics
ARACS College, Vaibhavwadi.


Principal
Anandibai Raorane Arts, Commerce & Science
College, Vaibhavwadi.

