



**SONOPANT DANDEKAR ARTS, V.S.APTE COMMERCE AND
M.H.MEHTA SCIENCE COLLEGE,**
Palghar, Dist.- Palghar, Pin- 401 404.

Department of Physics

2021-22

***Certificate Course
On***

**Introduction to coding, basics of C and C++
programming**

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Proposal

Sonopant Dandekar Shikshan Mandali's
**SONOPANT DANDEKAR ARTS, V.S. APTE COMMERCE AND
M.H. MEHTA SCIENCE COLLEGE, Palghar.**

Department of Physics

Date: 20/07/2021

To,
Dr. Kiran Save
Principal
Sonopant Dandekar Arts, V.S. Apte Commerce and
M.H. Mehta Science College,
Palghar.

**Subject: Proposal for Organizing Course in "Introduction to coding basis of C+ and C++
Programing"**

Name of the Program: Certificate course in "Introduction to coding basis of C+ and C++
Programing"

I. COURSE OVERVIEW:

To make the students understand Microprocessor in order to educate them with the necessary basic concepts in the field of Microprocessor & Microcontroller to be used in industries, research field and in commercial field applications.

II. PREREQUISITES:

- Computer Organization basics
- Computer Networks basics
- Number systems & digital logic design concepts
- Basic compilation process

III. COURSE OBJECTIVE:

- To develop an understanding of the operations of C and C++ programming

Objectives

- To understand the concept of coding, C and C++ programming.
- To provide students with understanding of code organization and functional

hierarchical decomposition with using complex data types.

- To get familiar with programming.
- The course is oriented to those who want to advance structured and procedural programming understating and to improve C and C++ programming skills.
- Train their practical knowledge through lab experiments.
- This course provides practical requirements for embedded C chip programming.
- Learning a programming language makes you analyze huge data in an easyway.
- In almost every industry there is growing need for coding knowledge thiscourse will enhance professional credibility
- Knowing a programming language opens up a lot of opportunities.
- If you do want to switch your career you can very well do that if you knowkey programming skills.

Duration - 4 months 60 lectures (40 practical and 20 theory)

Eligibility – Std. XII pass (Science) / Diploma in Engineering /Degree in Science.

Fees – Rs. 300/- only

Intake Capacity – 40 Students

Total Marks – 100 Marks (40 Marks Theory Exam + 60 Marks Practical Works)

Course Content

After completion of this course exam will be conducted andcourse completion certificate will be provided to students. Kindly give the permission for said course and we look forward for your kind cooperation.

Thanking You,

Yours sincerely.



Dr. Sapna B. Jadhav
Course Coordinator



Prof. B. K. Sakhare
(Head, Department of Physics)

Permitted


COURSE CONTENT

I. COURSE OVERVIEW:

To make the students understand Microprocessor in order to educate them with the necessary basic concepts in the field of Microprocessor & Microcontroller to be used in industries, research field and in commercial field applications.

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- Train their practical knowledge through lab experiments.
- This course provides practical requirements for embedded C chip programming.
- Learning a programming language makes you analyze huge data in an easy way.
- In almost every industry there is growing need for coding knowledge this course will enhance professional credibility
- Knowing a programming language opens up a lot of opportunities.
- If you do want to switch your career you can very well do that if you know key programming skills.

Outcomes

- Ability to handle possible errors during program execution.
- After completing the course students will be able to easily understand coding in assembly languages.
- Ability to work with textual information, characters and strings.

- Ability to work with arrays of complex objects.
- After learning C and C++ language students will be able to learn any other higher level language easily and quickly.
- Extends knowledge and skills, preparing you for more job responsibilities.

Duration - 4 months 60 lectures (40 practical and 20 theory)

Eligibility – Std. XII pass (Science) / Diploma in Engineering / Degree in Science.

Fees – Rs. 300/- only

Intake Capacity – 40 Students

Date of commencement -21st July 2021

Total Marks – 100 Marks (40 Marks Theory Exam + 60 Marks Practical Works)

Course Content

- **Theoretical and Practical Component**
- **Introduction to coding**- Basics of computer programming, Number system, ASCII code.
- **Introduction to process of programming**- Problem solving, Flowchart, Statements.
- **Introduction to C and C++**: Basic terms in languages, Variables, Operators and expressions, Input output operators, Basic programs,
- **Conditionals and loops**- If... else, Switch, Do while, While, For.
- **Functions**-Main function, User defined function, Library function.
- **Arrays**- Numeric Arrays, Character Arrays.
- **Introduction to chip programming**- Assembly language and embedded C, General architectures of chips.

After completion of this course exam will be conducted and course completion certificate will be provided to students.



Dr. Sapna B. Jadhav

Course Coordinator



Prof. B. K. Sakhare

(Head, Department of Physics)

Certificate Course Syllabus and Expert Committee

Sr. No	Name	Designation
1	Dr. Kiran J. Save	Principal, Sonopant Dandekar College, Palghar
2	Prof. Mahesh Deshmukh	Vice-Principal, IQAC Co-ordinator
3	Dr. Tanaji J. Pol	Vice-Principal, Head, Dept. of Political Science
4	Dr. Harshad Vanmali	Administrative Supervisor
5	Prof. B. K. Sakhare	Head, Department of Physics
6	Dr. Sapna B. Jadhav	Course Coordinator, Department of Physics
7	Dr. T.N. Ghorude	Vice-Principal, Head Department of Physics, Member of BOS and FOS University of Mumbai
8	Prof. Nitesh Pawar	Software Programmer in TCS
9	Prof. Ashwin Bhagat	Head Department of Information Technology, SDSM college, Palghar



Sonopant Dandekar Shikshan Mandal's

Sonopant Dandekar Arts, V. S. Apte Commerce
& M. H. Mehta Science College, Palghar

(Best College - University of Mumbai)

(Amongst Top 100 Colleges in India by 'India Today - MDRA Survey 2019')

Date: 15/06/2021

NOTICE

Department of Physics Certificate COURSE On

Introduction to coding, basics of C and C++ programming

All B.Sc. and M. Sc. Students are hereby informed that Department of physics is commencing bridge course on “*Introduction to coding, basics of C and C++ programming*” from 21st July 2021. Enrollment for the above course should be done on or before 10-07-2021 through the Google form link given below. For the payment of course Fee Rs.300/- payment link will be provided after the completion of registration process.

After successful completion of the course, Participants will get Certificate from College.

Google form link for the Registration:

https://docs.google.com/forms/d/e/1FAIpQLSdcMjN0KYcJ9mfgqtASxAnr_glSNZRUuWCByp2x0_tkfyin2g/viewform?usp=pp_url

Prof. B. K. Sakhare

Head,
Department of Physics

Dr. Kiran Save

Principal



Sonopant Dandekar Shikshan Mandali's
Sonopant Dandekar Arts, V.S.Apte Commerce
& M.H.Mehta Science College, Palghar

Kharekuran Rd. Palghar, Dist Palghar 401404 (M.S.)

**Certificate Course in Introduction to Coding, Basics of
C and C++ Programming**
Organized by
DEPARTMENT OF PHYSICS

OBJECTIVES AND OUTCOMES

- The major objective is to understand the concept of coding, C and C++ programming.
- After learning C and C++ language students will be able to learn any other higher level language easily and quickly.
- After completing the course students will be able to easily understand coding in assembly languages.
- This course will help to extend the knowledge and skills prepared for more job responsibilities.



ELIGIBILITY

Std.XI pass (science)
Diploma in Engineering / Degree in Science



COURSE DURATION:
4 Months

TOTAL SESSIONS:
60 Sessions

COURSE FEES:
300/-

SYLLABUS MODULES

Introduction to coding
Introduction to process of programming
Introduction to C and C++
Conditionals and loops
Functions & Arrays
Introduction to chip programming

REGISTRATION / ENQUIRY

Prof.B.K.Sakhare - 9665652975
Dr.S.B.Jadhav - 8169684857

Department of Physics
Sonopant Dandekar College, Palghar
bhimraos68@gmail.com/ jadhav.sapna@yahoo.com

SYLLABUS

	Syllabus One Lecture = 60 Minutes		
Units	Particulars	No of Lectures	Total Lectures
Unit 1	Introduction to coding		
1.1	Basics of computer programming	02	08
1.2	Number system	03	
1.3	ASCII code	03	
Unit 2	Introduction to process of programming		
2.1	Problem solving	03	08
2.2	Flowchart	03	
2.3	statements	02	
Unit 3	Introduction to C and C++		
3.1	Basic terms in languages	02	10
3.2	Variables	02	
3.3	Operators and expressions	02	
3.4	Input output operators	02	

3.5	Basic programs	02	
Unit 4	Conditionals and loops		
4.1	If.. else	02	10
4.2	Switch	02	
4.3	Do while,	02	
4.4	While	02	
4.5	For	02	
Unit 5	Functions		
5.1	Main function	03	08
5.2	User defined function	03	
5.3	Library function	02	
Unit 6	Arrays		
6.1	Numeric Arrays	04	08
6.2	Character Arrays	04	

Unit 7	Introduction to chip programming		
7.1	Assembly language and embeddedC	04	08
7.2	General architectures of chips	04	

***Note: Students must submit the Comprehensive Report of Course after the completion of the course**

Syllabus Covered

Sr. No	Name of the Subject teacher / Expertise	Topics / subtopics to be teach
1	Prof. B.K. Sakhare Course coordinator and Head, Department of Physics	Unit 1 : Introduction to coding
2	Dr. T.N. Ghorude Vice-Principal, Head Department of Physics, Member of BOS and FOS University of Mumbai	Unit 2 : Introduction to process of programming
3	Dr. S. B. Jadhav Assistant Professor, Dept. of Physics Sonopant Dandekar Arts, V. S. Apte Commerce and M. H. Mehta Science College, 401404	Unit 3 : Introduction to C and C++
4	Prof. Utkarsha Save Assistant Professor, Dept. of Physics Sonopant Dandekar Arts, V. S. Apte Commerce and M. H. Mehta Science College, 401404	Unit 4 : Conditionals and loops
5	Prof. Tushar Patil Assistant Professor, Dept. of Computer Science Sonopant Dandekar Arts, V. S. Apte Commerce and M. H. Mehta Science College, 401404	Unit 5 : Functions
6	Prof. Ninad Patil Assistant Professor, Dept. of Physics Sonopant Dandekar Arts, V. S. Apte Commerce and M. H. Mehta Science College, 401404	Unit 6 : Arrays
7	Prof. Vedant Vartak Assistant Professor, Dept. of Physics Sonopant Dandekar Arts, V. S. Apte Commerce and M. H. Mehta Science College, 401404	Unit 7 : Introduction to chip programming

References

1. Brian.Kernighan, 1990. *The C Programming Language*. second ed. New Delhi:Prentice Hall of Indian Pvt. Ltd.
2. Dale, N. (2010). *Programming and Problem Solving With C ++*. Boston: Jonsand Bartlet Publisher.
3. Deshmukh, K., 2013. *C Programming -1 F.Y.B.Sc Computer Science*). 1st ed. Pune:Prashant Publications.
4. Harwani, B., 2009. *C++ for Beginners*. New Mumbai: Shroff Publication .
5. Kanetkar, Y., 2010. *Let us C*. New Delhi: BPS Publication.
6. Perry, G. & Miller, D., 2013. *C Programming Absolute Beginner's Guide*. 3rd edition ed. s.l.: Que Publishing.
7. Richard, B., 2008. *Embedded C Programming and the Microchip PIC*. 1st ed.Australia: Cengage Learning.
8. Tony, G., 2005. *Starting out with C++ from Control Structure through Objects*. 6th edition edition ed. New Delhi: International Publication.
9. Stroustrup, B. (1986). *The C++ programming language*. Reading, Mass.Addisson-Wesley. 4th edition.
10. Brian, W., Dennis, M.,(2015). *The C programming language*. Pearson. 2ndedition
11. Lafore, R.,(2008). *Object Oriented Programming C++*, Pearson. 4th edition
12. Darrel, G. (2016). *C Programming: Language: A Step by Step Beginner's Guide to Learn C Programming in 7 Days*, Kindle Edition
13. Herbert, S., (2017). *C: The Complete Reference*, McGraw Hill. 4th edition
14. Nathan, C., (2017). *C++: A Detailed Approach to Practical Coding*, Kindle Edition
15. Scott, M., (2014). *Effective Modern C++*, O'Reilly Media, Inc.
16. Herb, S., Andrei, A., (2004) *.C++ Coding Standards: 101 Rules, Guidelines and Best Practices*, Kindle Edition

17. Barhate, B. (2013). *Computer Science*. Pune: Prashant Publications.
18. Barr, M. (2011). *Programming Ebedded Systems in C and C ++*. Mumbai:Shrof Publisher.
19. Dale, N. (2004). *Programming and Problem solving With C++*. Boston: Jonsand Bartlet Publisher.
20. Gubani, K. (2009). *C ++ Programming*. Maharashtra: Vipul Prakashan.
21. Harwani, B. (2011). *C++ for Beginners*. Shrof Publisher.
22. Hubbard, J. (2004). *Programming With C ++*. New Delhi: Shrof Publisher.
23. Kanetkar, Y. (2014). *Visual C ++ Programming* . New Delhi: PBPPublication.
24. Kothari, D. (2013). *C ++ For UG & PG Students of EngineeringComputer Science*. New Delhi: Scintific International Pvt, Ltd.
25. Mahapatra, P. (2010). *Programming in C ++*. New Delhi: S.Chand andCompany Ltd.
26. Malik, D. (2009). *C ++ Programming Language*. New Delhi: VipulPrakashan.
27. Pawar, A. (2011). *C++ Programming*. Tech Max Publisher.
28. Pimparkhede, K. (2017). *Computer Programming With C++*. CambridgeUniversity Press.
29. Sagar, S. (2011). *C ++ B.Sc (IT) Second Year : Third Sem*. Mumbai: VipulPrakashan.
30. Stroustrup, B. (2018). *The C ++ Programming Language*. Maharashtra:Pearson EducationLimited.

S. D. Arts, V. S. Apte Commerce and M. H. Mehta Science College, Palghar
Department of Physics

Certificate Course
On
Introduction to coding, basics of C and C++ programming

Time Table (Hybrid mode)

Day	Monday	Tuesday	Wednesday
Time	1:50p.m. to 2:50p.m.	1:50p.m. to 2:50p.m.	1:50p.m. to 2:50p.m.
Topic	UNIT I/ UNIT III	UNIT II & UNIT VII/ UNIT VI	UNIT IV/ UNIT V
Speaker	Prof. B.K. Sakhare/ Prof. Sapna Jadhav	Dr. T.N. Ghorude &Prof. Vedant Vartak/ Prof. Ninad Patil	Prof. Utkarsha Save/ Prof. Tushar Patil



Prof. B. K. Sakhare

**Head,
Department of Physics**



Dr. Kiran Save

Principal

Enrolled students

Sr. No.	Name of the Students
1	Priyanka Ashok Patil
2	Kartik Dattatray Kokitkar
3	Ajit Rishimuni Gond
4	Manoj Shankar Dhangada
5	Harshita Manoharsingh Ahada
6	Manisha Pradip Gonhare
7	Suraj Nagina Prasad
8	Rajan Gayabakas Singh
9	Parth Chhatrasinh Bhatiya
10	Nitin Suresh Desai
11	Kshitija Prakash Katela
12	Pawan Shrichand Singh
13	Rekha Dhulsingh Solanki
14	Avinash Kashinath Yadav
15	Pooja Manoj Prasad
16	Sachin Vishnu Kom
17	Omshivam S. Vishwakarma
18	Dishank Vidhyadhar Churi
19	Nandini Ashok Kushwaha
20	Shreya Narendra Gharat
21	Lavanya Rajendra Dixit
22	Deepesh Omprakash Jha
23	Aanchal S. Bafna
24	Devika Narendra Chaudhari
25	Guroda Swapnil Nanhu
26	Kajal Mukesh Tamore
27	Tejangani Surendra Sane
28	Sonali Ravindra Karambale
28	Sonali Ravindra Karambale
29	Vedika Shashikant Patil
30	Rutuja Sanjeev Patil
31	Tanvi Sunil Raut
32	Shubham Jagdish Mali



Attendance

Subject: Physics
Venue: Room no.25
 3:50p.m.

Class: B.Sc. and M.Sc.
Time – 1:50 p.m. To

Sr. No.	Name of the Students	Grade	No. of Days Present
1	Priyanka Ashok Patil	A+	43
2	Kartik Dattatray Kokitkar	A+	44
3	Ajit Rishimuni Gond	B	43
4	Manoj Shankar Dhangada	A	44
5	Harshita Manoharsingh Ahada	O	39
6	Manisha Pradip Gonhare	A+	44
7	Suraj Nagina Prasad	A+	47
8	Rajan Gayabakas Singh	A+	46
9	Parth Chhatrasinh Bhatiya	A+	43
10	Nitin Suresh Desai	A+	46
11	Kshitija Prakash Katela	A	42
12	Pawan Shrichand Singh	O	28
13	Rekha Dhulsingh Solanki	O	43
14	Avinash Kashinath Yadav	B	44
15	Pooja Manoj Prasad	A+	46
16	Sachin Vishnu Kom	A+	40
17	Omshivam S. Vishwakarma	A+	10
18	Dishank Vidhyadhar Churi	O	44
19	Nandini Ashok Kushwaha	O	46
20	Shreya Narendra Gharat	O	42
21	Lavanya Rajendra Dixit	B	39
22	Deepesh Omprakash Jha	A	46
23	Aanchal S. Bafna	A	47
24	Devika Narendra Chaudhari	O	42
25	Guroda Swapnil Nanhu	A+	40
26	Kajal Mukesh Tamore	O	00
27	Tejangani Surendra Sane	O	44
28	Sonali Ravindra Karambale	A+	40
28	Sonali Ravindra Karambale	A+	43
29	Vedika Shashikant Patil	A+	44
30	Rutuja Sanjeev Patil	O	43
31	Tanvi Sunil Raut	O	42
32	Shubham Jagdish Mali	O	43

Subject: Physics
Venue: Room no.25
3:50p.m.

Class: B.Sc. and M.Sc.
Time – 1:50 p.m. To

Sr. No.	Name	21/07/2021	22/07/2021	23/07/2021	26/07/2021	27/07/2021	28/07/2021
1	Priyanka Ashok Patil	P	P	P	P	P	P
2	Kartik Dattatray Kokitkar	P	P	P	P	P	P
3	Ajit Rishimuni Gond	P	P	P	P	A	P
4	Manoj Shankar Dhangada	P	P	P	P	P	A
5	Harshita Manoharsingh Ahada	P	P	P	A	P	P
6	Manisha Pradip Gonhare	P	P	P	P	P	P
7	Suraj Nagina Prasad	P	P	P	P	P	P
8	Rajan Gayabakas Singh	P	P	P	P	P	P
9	Parth Chhatrasinh Bhatiya	P	P	P	P	P	A
10	Nitin Suresh Desai	P	P	P	P	P	P
11	Kshitija Prakash Katela	P	P	A	P	P	P
12	Pawan Shrichand Singh	P	A	P	P	P	A
13	Rekha Dhulsingh Solanki	P	P	P	P	P	P
14	Avinash Kashinath Yadav	P	P	P	P	P	P
15	Pooja Manoj Prasad	P	A	P	P	P	P
16	Sachin Vishnu Kom	P	P	P	P	P	A
17	Omshivam S. Vishwakarma	P	A	A	P	A	A
18	Dishank Vidhyadhar Churi	P	P	A	P	P	P
19	Nandini Ashok Kushwaha	P	P	P	P	P	P
20	Shreya Narendra Gharat	A	P	P	P	P	P
21	Lavanya Rajendra Dixit	P	A	P	P	P	P
22	Deepesh Omprakash Jha	P	P	P	P	P	P
23	Aanchal S. Bafna	P	P	P	P	P	P
24	Devika Narendra Chaudhari	A	P	P	P	P	P
25	Guroda Swapnil Nanhu	P	P	P	P	P	P
26	Kajal Mukesh Tamore	P	P	P	P	P	P
27	Tejangani Surendra Sane	A	P	P	P	P	P
28	Sonali Ravindra Karambale	P	P	P	P	P	P
29	Sonali Ravindra Karambale	P	P	P	P	P	P
30	Vedika Shashikant Patil	P	P	P	P	P	P
31	Rutuja Sanjeev Patil	P	P	A	P	P	P
32	Tanvi Sunil Raut	P	P	P	P	P	P

Sr. No.	Name	29/ 07/ 202 1	2/0 8/2 021	3/0 8/2 021	4/0 8/2 021	5/0 8/2 021	6/0 8/2 021
1	Priyanka Ashok Patil	A	P	P	P	P	P
2	Kartik Dattatray Kokitkar	P	P	P	P	P	P
3	Ajit Rishimuni Gond	P	P	P	A	P	P
4	Manoj Shankar Dhangada	P	P	P	P	P	P
5	Harshita Manoharsingh Ahada	A	P	P	P	P	P
6	Manisha Pradip Gonhare	P	P	A	P	P	P
7	Suraj Nagina Prasad	P	P	P	P	P	P
8	Rajan Gayabakas Singh	A	P	P	P	P	P
9	Parth Chhatrasinh Bhatiya	P	P	A	P	P	P
10	Nitin Suresh Desai	P	P	P	P	P	P
11	Kshitija Prakash Katela	P	P	P	P	P	P
12	Pawan Shrichand Singh	P	A	P	P	A	A
13	Rekha Dhulsingh Solanki	A	P	P	P	P	P
14	Avinash Kashinath Yadav	P	P	P	A	P	P
15	Pooja Manoj Prasad	P	P	P	P	P	P
16	Sachin Vishnu Kom	A	P	P	P	A	P
17	Omshivam S. Vishwakarma	A	P	A	A	A	A
18	Dishank Vidhyadhar Churi	A	P	P	P	A	P
19	Nandini Ashok Kushwaha	P	P	P	P	P	P
20	Shreya Narendra Gharat	P	A	P	P	P	P
21	Lavanya Rajendra Dixit	A	P	P	P	P	P
22	Deepesh Omprakash Jha	P	P	P	P	P	P
23	Aanchal S. Bafna	P	P	P	P	P	P
24	Devika Narendra Chaudhari	P	A	P	P	P	P
25	Guroda Swapnil Nanhu	P	P	P	P	P	P
26	Kajal Mukesh Tamore	P	P	P	P	P	P
27	Tejangani Surendra Sane	P	A	P	P	P	P
28	Sonali Ravindra Karambale	A	P	P	P	P	P
29	Sonali Ravindra Karambale	P	P	P	P	P	P
30	Vedika Shashikant Patil	P	P	P	P	P	P
31	Rutuja Sanjeev Patil	P	A	P	P	P	P
32	Tanvi Sunil Raut	P	P	P	P	P	P

Sr. No.	Name	9/08/2021	10/08/2021	11/08/2021	12/08/2021	13/08/2021	16/08/2021
1	Priyanka Ashok Patil	P	P	P	P	A	P
2	Kartik Dattatray Kokitkar	P	P	P	P	P	P
3	Ajit Rishimuni Gond	P	P	P	P	P	P
4	Manoj Shankar Dhangada	A	P	P	P	P	P
5	Harshita Manoharsingh Ahada	P	P	P	P	P	A
6	Manisha Pradip Gonhare	P	P	P	P	P	P
7	Suraj Nagina Prasad	P	P	P	P	P	P
8	Rajan Gayabakas Singh	P	P	P	P	P	P
9	Parth Chhatrasinh Bhatiya	P	P	P	P	P	P
10	Nitin Suresh Desai	P	P	P	P	P	P
11	Kshitija Prakash Katela	P	P	P	P	P	P
12	Pawan Shrichand Singh	P	A	A	P	P	A
13	Rekha Dhulsingh Solanki	A	P	P	P	P	P
14	Avinash Kashinath Yadav	P	A	P	P	P	A
15	Pooja Manoj Prasad	P	P	P	P	P	P
16	Sachin Vishnu Kom	A	P	P	P	P	P
17	Omshivam S. Vishwakarma	A	A	A	A	A	A
18	Dishank Vidhyadhar Churi	P	P	P	P	P	P
19	Nandini Ashok Kushwaha	P	P	P	P	P	P
20	Shreya Narendra Gharat	P	P	A	P	P	P
21	Lavanya Rajendra Dixit	P	P	A	P	P	P
22	Deepesh Omprakash Jha	P	P	P	P	P	P
23	Aanchal S. Bafna	P	P	P	P	P	P
24	Devika Narendra Chaudhari	P	P	A	P	P	P
25	Guroda Swapnil Nanhu	P	P	P	P	A	P
26	Kajal Mukesh Tamore	P	P	P	P	P	P
27	Tejangani Surendra Sane	P	P	A	P	P	P
28	Sonali Ravindra Karambale	P	A	P	P	P	P
29	Sonali Ravindra Karambale	P	P	P	P	P	P
30	Vedika Shashikant Patil	P	P	P	A	P	P
31	Rutuja Sanjeev Patil	A	P	P	P	P	P
32	Tanvi Sunil Raut	P	P	P	P	P	P

Sr. No.	Name	17/ 08/ 202 1	18/ 08/ 202 1	19/ 08/ 202 1	24/ 08/ 202 1	25/ 08/ 202 1	26/ 08/ 202 1
1	Priyanka Ashok Patil	P	P	P	A	P	P
2	Kartik Dattatray Kokitkar	P	P	P	P	P	P
3	Ajit Rishimuni Gond	P	P	P	P	P	P
4	Manoj Shankar Dhangada	P	P	P	P	P	P
5	Harshita Manoharsingh Ahada	A	P	P	P	A	P
6	Manisha Pradip Gonhare	A	P	P	P	P	P
7	Suraj Nagina Prasad	P	P	P	P	P	P
8	Rajan Gayabakas Singh	P	P	P	P	P	P
9	Parth Chhatrasinh Bhatiya	P	P	P	P	P	P
10	Nitin Suresh Desai	P	P	P	P	P	P
11	Kshitija Prakash Katela	A	P	P	P	P	P
12	Pawan Shrichand Singh	A	P	P	A	P	P
13	Rekha Dhulsingh Solanki	P	P	P	P	P	A
14	Avinash Kashinath Yadav	P	P	P	P	P	P
15	Pooja Manoj Prasad	P	P	P	P	P	P
16	Sachin Vishnu Kom	P	P	P	P	A	P
17	Omshivam S. Vishwakarma	P	A	A	A	A	A
18	Dishank Vidhyadhar Churi	P	A	P	P	P	P
19	Nandini Ashok Kushwaha	P	P	P	P	P	A
20	Shreya Narendra Gharat	P	P	P	P	A	P
21	Lavanya Rajendra Dixit	P	P	P	A	P	P
22	Deepesh Omprakash Jha	P	P	P	P	P	P
23	Aanchal S. Bafna	P	P	P	P	P	P
24	Devika Narendra Chaudhari	P	P	P	A	P	P
25	Guroda Swapnil Nanhu	P	A	P	P	P	P
26	Kajal Mukesh Tamore	P	P	P	P	P	P
27	Tejangani Surendra Sane	P	P	P	A	P	P
28	Sonali Ravindra Karambale	P	P	A	P	P	P
29	Sonali Ravindra Karambale	P	P	P	P	P	P
30	Vedika Shashikant Patil	P	P	A	P	P	P
31	Rutuja Sanjeev Patil	P	P	P	A	P	P
32	Tanvi Sunil Raut	P	A	P	P	P	P

Sr. No.	Name	27/ 08/ 202 1	1/0 9/2 021	2/0 9/2 021	3/0 9/2 021	6/0 9/2 021	8/0 9/2 021
1	Priyanka Ashok Patil	P	P	P	P	P	A
2	Kartik Dattatray Kokitkar	A	P	P	P	P	P
3	Ajit Rishimuni Gond	P	P	P	P	A	P
4	Manoj Shankar Dhangada	P	P	P	P	P	P
5	Harshita Manoharsingh Ahada	P	P	P	A	P	P
6	Manisha Pradip Gonhare	P	P	P	P	P	A

7	Suraj Nagina Prasad	P	P	P	P	P	P
8	Rajan Gayabakas Singh	P	P	P	P	P	P
9	Parth Chhatrasinh Bhatiya	A	P	P	P	P	P
10	Nitin Suresh Desai	P	P	P	P	P	P
11	Kshitija Prakash Katela	P	P	P	A	P	P
12	Pawan Shrichand Singh	P	A	P	P	P	A
13	Rekha Dhulsingh Solanki	P	P	P	P	P	P
14	Avinash Kashinath Yadav	P	P	P	P	P	P
15	Pooja Manoj Prasad	P	P	P	P	P	P
16	Sachin Vishnu Kom	A	P	P	A	P	P
17	Omshivam S. Vishwakarma	A	A	A	A	A	A
18	Dishank Vidhyadhar Churi	P	P	P	P	P	P
19	Nandini Ashok Kushwaha	A	P	P	P	P	P
20	Shreya Narendra Gharat	P	P	P	P	A	P
21	Lavanya Rajendra Dixit	P	P	P	P	A	P
22	Deepesh Omprakash Jha	P	P	P	P	P	P
23	Aanchal S. Bafna	P	P	P	P	P	P
24	Devika Narendra Chaudhari	P	P	P	P	A	P
25	Guroda Swapnil Nanhu	A	P	P	P	P	P
26	Kajal Mukesh Tamore	P	P	P	P	P	P
27	Tejangani Surendra Sane	P	P	P	P	P	P
28	Sonali Ravindra Karambale	P	P	P	A	P	P
29	Sonali Ravindra Karambale	P	P	P	P	P	P
30	Vedika Shashikant Patil	P	A	P	P	P	P
31	Rutuja Sanjeev Patil	P	P	P	P	A	P
32	Tanvi Sunil Raut	P	P	A	P	P	P

Sr. No.	Name	9/0 9/2 021	11/ 09/ 202 1	13/ 09/ 202 1	14/ 09/ 202 1	15/ 09/ 202 1	16/ 09/ 202 1
1	Priyanka Ashok Patil	P	A	P	P	P	P
2	Kartik Dattatray Kokitkar	P	P	P	P	P	A
3	Ajit Rishimuni Gond	P	P	P	P	P	P
4	Manoj Shankar Dhangada	P	P	A	P	P	P
5	Harshita Manoharsingh Ahada	P	P	A	P	P	P
6	Manisha Pradip Gonhare	P	P	P	P	P	P
7	Suraj Nagina Prasad	P	P	P	P	P	P
8	Rajan Gayabakas Singh	P	P	P	P	P	P
9	Parth Chhatrasinh Bhatiya	P	P	P	P	P	P
10	Nitin Suresh Desai	P	P	P	P	P	P
11	Kshitija Prakash Katela	P	P	P	P	P	P
12	Pawan Shrichand Singh	P	A	P	P	P	A
13	Rekha Dhulsingh Solanki	P	P	P	P	P	P
14	Avinash Kashinath Yadav	P	P	P	P	A	P
15	Pooja Manoj Prasad	P	A	P	P	P	P
16	Sachin Vishnu Kom	P	P	P	P	P	P
17	Omshivam S. Vishwakarma	P	A	A	A	A	P

18	Dishank Vidhyadhar Churi	P	P	P	P	P	P
19	Nandini Ashok Kushwaha	P	P	P	P	P	P
20	Shreya Narendra Gharat	P	P	P	P	P	A
21	Lavanya Rajendra Dixit	P	P	P	P	P	A
22	Deepesh Omprakash Jha	P	P	P	P	P	P
23	Aanchal S. Bafna	P	P	P	P	P	P
24	Devika Narendra Chaudhari	P	P	P	P	P	A
25	Guroda Swapnil Nanhu	P	A	P	P	P	P
26	Kajal Mukesh Tamore	P	P	P	P	P	P
27	Tejangani Surendra Sane	P	P	P	P	P	P
28	Sonali Ravindra Karambale	P	P	P	P	A	P
29	Sonali Ravindra Karambale	P	P	P	P	A	P
30	Vedika Shashikant Patil	A	P	P	P	P	P
31	Rutuja Sanjeev Patil	P	P	P	P	P	A
32	Tanvi Sunil Raut	P	P	P	P	P	a

Sr. No.	Name	17/09/2021	20/09/2021	21/09/2021	22/09/2021	23/09/2021	27/09/2021
1	Priyanka Ashok Patil	P	P	P	P	P	P
2	Kartik Dattatray Kokitkar	P	A	A	P	P	P
3	Ajit Rishimuni Gond	P	P	P	P	P	P
4	Manoj Shankar Dhangada	P	P	P	P	A	P
5	Harshita Manoharsingh Ahada	A	P	P	A	P	P
6	Manisha Pradip Gonhare	P	P	P	P	P	P
7	Suraj Nagina Prasad	P	P	P	P	P	P
8	Rajan Gayabakas Singh	P	P	P	P	P	P
9	Parth Chhatrasinh Bhatiya	P	P	P	P	P	A
10	Nitin Suresh Desai	P	A	P	P	P	P
11	Kshitija Prakash Katela	P	P	P	P	P	A
12	Pawan Shrichand Singh	A	A	P	P	P	P
13	Rekha Dhulsingh Solanki	A	P	P	P	P	P
14	Avinash Kashinath Yadav	P	P	P	P	P	P
15	Pooja Manoj Prasad	P	P	P	P	P	P
16	Sachin Vishnu Kom	A	P	P	P	P	P
17	Omshivam S. Vishwakarma	A	A	A	P	A	A
18	Dishank Vidhyadhar Churi	P	P	P	P	P	P
19	Nandini Ashok Kushwaha	P	P	P	P	P	P
20	Shreya Narendra Gharat	P	P	P	P	P	P
21	Lavanya Rajendra Dixit	P	A	P	P	P	P
22	Deepesh Omprakash Jha	P	P	P	P	P	P
23	Aanchal S. Bafna	A	P	P	P	P	P
24	Devika Narendra Chaudhari	P	P	P	P	P	P
25	Guroda Swapnil Nanhu	P	P	A	P	P	P
26	Kajal Mukesh Tamore	P	P	P	P	P	P
27	Tejangani Surendra Sane	P	P	P	P	P	P
28	Sonali Ravindra Karambale	P	P	P	P	P	A
29	Sonali Ravindra Karambale	P	P	P	A	P	P

30	Vedika Shashikant Patil	P	P	P	P	P	P
31	Rutuja Sanjeev Patil	P	P	P	P	P	P
32	Tanvi Sunil Raut	A	P	P	P	P	P

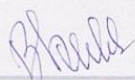
Sr. No.	Name	28/ 09/ 202 1	1/1 0/2 021	4/1 0/2 021	5/1 0/2 021	6/1 0/2 021	8/1 0/2 021
1	Priyanka Ashok Patil	P	P	P	P	P	P
2	Kartik Dattatray Kokitkar	P	P	P	P	P	P
3	Ajit Rishimuni Gond	P	P	P	P	P	A
4	Manoj Shankar Dhangada	P	P	P	P	P	P
5	Harshita Manoharsingh Ahada	P	P	P	P	P	P
6	Manisha Pradip Gonhare	P	P	P	P	P	P
7	Suraj Nagina Prasad	P	P	P	P	P	P
8	Rajan Gayabakas Singh	P	P	P	P	P	P
9	Parth Chhatrasinh Bhatiya	P	P	P	P	P	P
10	Nitin Suresh Desai	P	P	P	P	P	P
11	Kshitija Prakash Katela	P	P	P	P	P	P
12	Pawan Shrichand Singh	P	P	P	P	P	P
13	Rekha Dhulsingh Solanki	P	P	P	P	P	P
14	Avinash Kashinath Yadav	P	P	P	P	P	P
15	Pooja Manoj Prasad	P	P	P	P	P	P
16	Sachin Vishnu Kom	P	P	P	P	P	P
17	Omshivam S. Vishwakarma	A	A	A	A	A	P
18	Dishank Vidhyadhar Churi	P	P	P	P	P	P
19	Nandini Ashok Kushwaha	P	P	P	P	P	P
20	Shreya Narendra Gharat	P	P	P	P	P	P
21	Lavanya Rajendra Dixit	A	P	P	P	P	P
22	Deepesh Omprakash Jha	P	P	P	P	A	P
23	Aanchal S. Bafna	P	P	P	P	P	P
24	Devika Narendra Chaudhari	P	P	P	P	P	P
25	Guroda Swapnil Nanhu	P	P	P	A	P	P
26	Kajal Mukesh Tamore	P	P	P	P	P	P
27	Tejangani Surendra Sane	P	P	P	P	P	P
28	Sonali Ravindra Karambale	A	P	P	P	P	P
29	Sonali Ravindra Karambale	P	P	A	P	P	P
30	Vedika Shashikant Patil	P	P	P	P	P	P
31	Rutuja Sanjeev Patil	P	P	P	P	P	P
32	Tanvi Sunil Raut	P	A	P	P	P	A

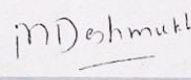
Certificate

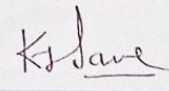
 Sonopant Dandekar Shikshan Mandal's
**Sonopant Dandekar Arts, V. S. Apte Commerce and
M. H. Mehta Science College. Palghar**
DEPARTMENT OF PHYSICS &
CENTER FOR EXCELLENCE AND INNOVATION

Certificate

This is to certify that Mr./miss.
Rekha Dhulsingh Solanki
has successfully completed the certificate course
"Introduction to coding basics of C+ and C++
Programming" with Grade: O


Prof. B. K. Sakhare
HOD Dept. of Physics
Head Dept. of Physics
S.D.S.M. College, Palghar


Prof. Mahesh M Deshmukh
IQAC Convener


Dr. Kiran J Save
Principal

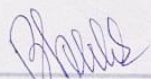


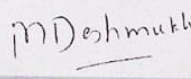
Date: 20/01/2022

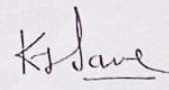
 Sonopant Dandekar Shikshan Mandal's
**Sonopant Dandekar Arts, V. S. Apte Commerce and
M. H. Mehta Science College. Palghar**
DEPARTMENT OF PHYSICS &
CENTER FOR EXCELLENCE AND INNOVATION

Certificate

This is to certify that Mr./miss.
Priyanka Ashok Patil
has successfully completed the certificate course
"Introduction to coding basics of C+ and C++
Programming" with Grade: A+


Prof. B. K. Sakhare
HOD Dept. of Physics
Head Dept. of Physics
S.D.S.M. College, Palghar


Prof. Mahesh M Deshmukh
IQAC Convener


Dr. Kiran J Save
Principal



Date: 20/01/2022



Sonopant Dandekar Shikshan Mandali's
**Sonopant Dandekar Arts, V. S. Apte Commerce and
M. H. Mehta Science College, Palghar**

DEPARTMENT OF PHYSICS &
CENTER FOR EXCELLENCE AND INNOVATION

Certificate

This is to certify that Mr./miss.

Nilin Suresh Desai

has successfully completed the certificate course

"Introduction to coding basics of C+ and C++

Programming" with Grade: A+

B. K. Sakhare

Prof. B. K. Sakhare

HOD Dept. of Physics

M. Mahesh M Deshmukh

Prof. Mahesh M Deshmukh

IQAC Convener

K. J. Save

Dr. Kiran J Save

Principal

Head Dept. of Physics
S. D. S. M. College, Palghar



Date: 20/01/2022

Introduction to coding, basics of C and C++ programming
Program Report

Department of Physics, Sonopant Dandekar Arts College, V.S. Apte Commerce College and M.H. Mehta Science College, Palghar has taken Certificate course for Physics students on 22st August 2021. 32 participants were present for the same.

The aim of the coaching was to enhance the knowledge of the basic so that it will help the students to improve their studies.

The Coaching was conducted for a period of six month from 22th August 2021 through hybrid mode (Room No. 25).

Type of Activity	Topic	Commencement Date and Time	Place of Event	Coordinator	Number of Participants
Co – Curriculum	Certificate Course On <i>Introduction to coding, basics of C and C++ programming</i>	15 st September 2021 to 15/01/22 1:50 p.m. to 3:50 p.m.	Room No. 25	Prof. Sapna Jadhav	32