

Department of Physics

2022-23

Certificate Course

in

**Introduction to Coding, Basics of C and C⁺⁺
Programming**

B.Sc. and M.Sc.

Sonopant Dandekar Shikshan Mandalí's
Sonopant Dandekar Arts, V. S. Apte Com. M H Mehta Science College, Palghar
Department of Physics
Certificate Course
Introduction to coding, basics of C and C++ programming
(COURSE PLANNER)

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.

Outcomes

- Ability to handle possible errors during program execution.
- After completing the course students will be able to easily understandcoding 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

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 Report: 2022-23

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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: 01/08/2022

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.

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- Basic compilation process

III. COURSE OBJECTIVE:

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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 understanding 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 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.

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 and course 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.

Prof. B. K. Sakhare





Date: 05/08/2022

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 certificate course on "**Introduction to coding, basics of C and C++ programming**" from **22nd August 2022**. Enrollment for the above course should be done on or before 10-08-2022 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_glSNZRuUWCBy2x0_tkfyin2g/viewform?usp=pp_url

Prof. B. K. Sakhare

**Head,
Department of Physics**

Dr. Kiran Save

Principal

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

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 2022. 40 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 2022 through offline (Room No. 25).

Type of Activity	Topic	Commencement Date and Time	Place of Event	Coordinator	Number of Participants
Co – Curriculum	Certificate Course on Introduction to coding, basics of C and C++ programming	22st August 2022 1:50 p.m. to 3:50 p.m.	Room No. 25	Prof. Sapna Jadhav	40

Brochure



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.XII 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 for Certificate Course

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

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

List of Subject Teachers / Expertise Faculty

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 FOSUniversity 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 ScienceCollege, 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

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

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**

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'sGuide*. 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 throughObjects*. 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'sGuide 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*, KindleEdition
15. Scott, M., (2014). *Effective Modern C++*, O'Reilly Media, Inc.
16. Herb, S., Andrei, A., (2004) .*C++ Coding Standards: 101 Rules, Guidelinesand 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:
Scientific 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 Education
Limited.

Student Enrollment List

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

Student Enrollment List

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 Student	Class
1	VIKAS KAKAD	M.Sc. I
2	PRATHMESH BHAGUL	M.Sc. I
3	PINKI HARIJAN	M.Sc. I
4	KAIKALA GAVALI	M.Sc. I
5	GURGAMATI KADU	M.Sc. I
6	ADESH BARAF	M.Sc. I
7	BHAVIK CHURI	M.Sc. I
8	RAJLAXMI TIWARI	M.Sc. I
9	KARTIK KOKITKAR	M.Sc. I
10	NITIN DESAI	M.Sc. I
11	TANESH WAGH	M.Sc. I
12	PRAMOD TUMBADER	M.Sc. I
13	JHA ASHISH JAYGOVIND	M.Sc. II
14	TAKTODE ROHINI BHUJANG	M.Sc. II
15	BENDAGA SANDESH LAXMAN	M.Sc. II
16	GOVARI VINOD VASANT	M.Sc. II
17	MACHHI KAUSHAL BHAGWAN	M.Sc. II
18	PATIL PRIYA RAMAKANT	M.Sc. II
19	MORE ERSHA DASHARATH	M.Sc. II
20	GANGURDE MUKUND SURESH	M.Sc. II
21	DONGARE RUTIKA ANUP	M.Sc. II
22	KARNIK PRAJAKTA RAJESH	M.Sc. II
23	THAKUR ADESH RAMCHANDRA	M.Sc. II
24	LAHANGE ARCHANA ANKUSH	M.Sc. II
25	GOVIND MAYUR BABALU	M.Sc. II
26	LULANIYA FIRDOUS ILIYAS	M.Sc. II
27	KADU GRINABH NARESH	M.Sc. II
28	DONGARKAR SUNIL JAYRAM	T.Y.B. Sc.
29	GHARAT SHREYA NARENDRA	T.Y.B. Sc.
30	GHATAL SUDHIR DATTA	T.Y.B. Sc.
31	GURODA SWAPNIL NANHU	T.Y.B. Sc.

32	HARAD YADNYESH SANJAY	T.Y.B. Sc.
33	JADHAV MONALI SHARAD	T.Y.B. Sc.
34	KOM SACHIN VISHNU	T.Y.B. Sc.
35	MACHHI ARYAN ANIL	T.Y.B. Sc.
36	OZARE AMIT KALURAM	T.Y.B. Sc.
37	PAWADE SAHIL SANTOSH	T.Y.B. Sc.
38	SAMBARE AKASH BISTIR	T.Y.B. Sc.
39	SOLANKI REKHA DHULSINGH	T.Y.B. Sc.
40	WAVARE SAKSHI SANDIP	T.Y.B. Sc.



**S. D. Arts, V. S. Apte Commerce and M. H. Mehta Science College,
Palghar-401404
Department of Physics**

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

Daily Attendance Sheet

Subject: Physics
Venue: Room no.25

Class: B.Sc. and M.Sc.
Time – 1:50 p.m. To 3:50p.m.

Sr. No.	Class	Name	20/9	21/9	26/9	27/9	28/9	3/10
1	M.Sc. I	VIKAS KAKAD	P	P	P	P	P	P
2	M.Sc. I	PRATHMESH BHAGUL	P	P	P	P	P	P
3	M.Sc. I	PINKI HARIJAN	P	P	P	P	A	P
4	M.Sc. I	KAIKALA GAVALI	P	P	P	P	P	A
5	M.Sc. I	GURGAMATI KADU	P	P	P	A	P	P
6	M.Sc. I	ADESH BARAF	P	P	P	P	P	P
7	M.Sc. I	BHAVIK CHURI	P	P	P	P	P	P
8	M.Sc. I	RAJLAXMI TIWARI	P	P	P	P	P	P
9	M.Sc. I	KARTIK KOKITKAR	P	P	P	P	P	A
10	M.Sc. I	NITIN DESAI	P	P	P	P	P	P
11	M.Sc. I	TANESH WAGH	P	P	A	P	P	P
12	M.Sc. I	PRAMOD TUMBADER	P	A	P	P	P	A
13	M.Sc. II	JHA ASHISH JAYGOVIND	P	P	P	P	P	P
14	M.Sc. II	TAKTODE ROHINI BHUJANG	P	P	P	P	P	P
15	M.Sc. II	BENDAGA SANDESH LAXMAN	P	A	P	P	P	P
16	M.Sc. II	GOVARI VINOD VASANT	P	P	P	P	P	A
17	M.Sc. II	MACHHI KAUSHAL BHAGWAN	P	A	A	P	A	A
18	M.Sc. II	PATIL PRIYA RAMAKANT	P	P	A	P	P	P
19	M.Sc. II	MORE ERSHA DASHARATH	P	P	P	P	P	P
20	M.Sc. II	GANGURDE MUKUND SURESH	A	P	P	P	P	P
21	M.Sc. II	DONGARE RUTIKA ANUP	P	A	P	P	P	P
22	M.Sc. II	KARNIK PRAJAKTA RAJESH	P	P	P	P	P	P
23	M.Sc. II	THAKUR ADESH RAMCHANDRA	P	P	P	P	P	P
24	M.Sc. II	LAHANGE ARCHANA ANKUSH	A	P	P	P	P	P
25	M.Sc. II	GOVIND MAYUR BABALU	P	P	P	P	P	P
26	M.Sc. II	LULANIYA FIRDOUS ILIYAS	P	P	P	P	P	P
27	M.Sc. II	KADU GRINABH NARESH	A	P	P	P	P	P
28	T.Y.B. Sc.	DONGARKAR SUNIL JAYRAM	P	P	P	P	P	P
29	T.Y.B. Sc.	GHARAT SHREYA NARENDRA	P	P	P	P	P	P
30	T.Y.B. Sc.	GHATAL SUDHIR DATTA	P	P	P	P	P	P
31	T.Y.B. Sc.	GURODA SWAPNIL NANHU	P	P	A	P	P	P
32	T.Y.B. Sc.	HARAD YADNYESH SANJAY	P	P	P	P	P	P
33	T.Y.B. Sc.	JADHAV MONALI SHARAD	P	P	P	P	P	P
34	T.Y.B. Sc.	KOM SACHIN VISHNU	P	P	P	P	P	P
35	T.Y.B. Sc.	MACHHI ARYAN ANIL	A	A	A	A	A	A
36	T.Y.B. Sc.	OZARE AMIT KALURAM	P	P	A	P	P	A
37	T.Y.B. Sc.	PAWADE SAHIL SANTOSH	P	P	P	P	P	P
38	T.Y.B. Sc.	SAMBARE AKASH BISTIR	A	P	P	P	P	P
39	T.Y.B. Sc.	SOLANKI REKHA DHULSINGH	P	P	A	P	P	P
40	T.Y.B. Sc.	WAVARE SAKSHI SANDIP	P	P	P	P	P	P



(Handwritten signature)

Sr. No.	Class	Name	4/10	5/10	10/10	11/10	12/10	17/10
1	M.Sc. I	VIKAS KAKAD	A	P	P	P	P	P
2	M.Sc. I	PRATHMESH BHAGUL	P	P	P	P	P	P
3	M.Sc. I	PINKI HARIJAN	P	P	P	A	P	P
4	M.Sc. I	KAIKALA GAVALI	P	P	P	P	P	P
5	M.Sc. I	GURGAMATI KADU	A	P	P	P	P	P
6	M.Sc. I	ADESH BARAF	P	P	A	P	P	P
7	M.Sc. I	BHAVIK CHURI	P	P	P	P	P	P
8	M.Sc. I	RAJLAXMI TIWARI	A	P	P	P	P	P
9	M.Sc. I	KARTIK KOKITKAR	P	P	A	P	P	P
10	M.Sc. I	NITIN DESAI	P	P	P	P	P	P
11	M.Sc. I	TANESH WAGH	P	P	P	P	P	P
12	M.Sc. I	PRAMOD TUMBADER	P	A	P	P	A	A
13	M.Sc. II	JHA ASHISH JAYGOVIND	A	P	P	P	P	P
14	M.Sc. II	TAKTODE ROHINI BHUJANG	P	P	P	A	P	P
15	M.Sc. II	BENDAGA SANDESH LAXMAN	P	P	P	P	P	P
16	M.Sc. II	GOVARI VINOD VASANT	A	P	P	P	A	P
17	M.Sc. II	MACHHI KAUSHAL BHAGWAN	A	P	A	A	A	A
18	M.Sc. II	PATIL PRIYA RAMAKANT	A	P	P	P	A	P
19	M.Sc. II	MORE ERSHA DASHARATH	P	P	P	P	P	P
20	M.Sc. II	GANGURDE MUKUND SURESH	P	A	P	P	P	P
21	M.Sc. II	DONGARE RUTIKA ANUP	A	P	P	P	P	P
22	M.Sc. II	KARNIK PRAJAKTA RAJESH	P	P	P	P	P	P
23	M.Sc. II	THAKUR ADESH RAMCHANDRA	P	P	P	P	P	P
24	M.Sc. II	LAHANGE ARCHANA ANKUSH	P	A	P	P	P	P
25	M.Sc. II	GOVIND MAYUR BABALU	P	P	P	P	P	P
26	M.Sc. II	LULANIYA FIRDOUS ILIYAS	P	P	P	P	P	P
27	M.Sc. II	KADU GRINABH NARESH	P	A	P	P	P	P
28	T.Y.B. Sc.	DONGARKAR SUNIL JAYRAM	A	P	P	P	P	P
29	T.Y.B. Sc.	GHRAT SHREYA NARENDRA	P	P	P	P	P	P
30	T.Y.B. Sc.	GHATAL SUDHIR DATTA	P	P	P	P	P	P
31	T.Y.B. Sc.	GURODA SWAPNIL NANHU	P	A	P	P	P	P
32	T.Y.B. Sc.	HARAD YADNYESH SANJAY	P	P	P	P	P	P
33	T.Y.B. Sc.	JADHAV MONALI SHARAD	P	P	P	P	P	P
34	T.Y.B. Sc.	KOM SACHIN VISHNU	P	P	P	P	P	P
35	T.Y.B. Sc.	MACHHI ARYAN ANIL	A	A	A	A	A	A
36	T.Y.B. Sc.	OZARE AMIT KALURAM	P	A	P	P	A	P
37	T.Y.B. Sc.	PAWADE SAHIL SANTOSH	P	P	P	P	P	P
38	T.Y.B. Sc.	SAMBARE AKASH BISTIR	P	P	P	P	P	P
39	T.Y.B. Sc.	SOLANKI REKHA DHULSINGH	P	P	P	P	P	A
40	T.Y.B. Sc.	WAVARE SAKSHI SANDIP	P	P	P	P	P	P



Sr. No.	Class	Name	18/10	19/10	24/10	25/10	26/10	31/10
1	M.Sc. I	VIKAS KAKAD	P	P	P	P	A	P
2	M.Sc. I	PRATHMESH BHAGUL	P	P	P	P	P	P
3	M.Sc. I	PINKI HARIJAN	P	P	P	P	P	P
4	M.Sc. I	KAIKALA GAVALI	A	P	P	P	P	P
5	M.Sc. I	GURGAMATI KADU	P	P	P	P	P	A
6	M.Sc. I	ADESH BARAF	P	P	P	P	P	P
7	M.Sc. I	BHAVIK CHURI	P	P	P	P	P	P
8	M.Sc. I	RAJLAXMI TIWARI	P	P	P	P	P	P
9	M.Sc. I	KARTIK KOKITKAR	P	P	P	P	P	P
10	M.Sc. I	NITIN DESAI	P	P	P	P	P	P
11	M.Sc. I	TANESH WAGH	P	P	P	P	P	P
12	M.Sc. I	PRAMOD TUMBADER	P	A	A	P	P	A
13	M.Sc. II	JHA ASHISH JAYGOVIND	A	P	P	P	P	P
14	M.Sc. II	TAKTODE ROHINI BHUJANG	P	A	P	P	P	A
15	M.Sc. II	BENDAGA SANDESH LAXMAN	P	P	P	P	P	P
16	M.Sc. II	GOVARI VINOD VASANT	A	P	P	P	P	P
17	M.Sc. II	MACHHI KAUSHAL BHAGWAN	A	A	A	A	A	A
18	M.Sc. II	PATIL PRIYA RAMAKANT	P	P	P	P	P	P
19	M.Sc. II	MORE ERSHA DASHARATH	P	P	P	P	P	P
20	M.Sc. II	GANGURDE MUKUND SURESH	P	P	A	P	P	P
21	M.Sc. II	DONGARE RUTIKA ANUP	P	P	A	P	P	P
22	M.Sc. II	KARNIK PRAJAKTA RAJESH	P	P	P	P	P	P
23	M.Sc. II	THAKUR ADESH RAMCHANDRA	P	P	P	P	P	P
24	M.Sc. II	LAHANGE ARCHANA ANKUSH	P	P	A	P	P	P
25	M.Sc. II	GOVIND MAYUR BABALU	P	P	P	P	A	P
26	M.Sc. II	LULANIYA FIRDOUS ILIYAS	P	P	P	P	P	P
27	M.Sc. II	KADU GRINABH NARESH	P	P	A	P	P	P
28	T.Y.B. Sc.	DONGARKAR SUNIL JAYRAM	P	A	P	P	P	P
29	T.Y.B. Sc.	GHARAT SHREYA NARENDRA	P	P	P	P	P	P
30	T.Y.B. Sc.	GHATAL SUDHIR DATTA	P	P	P	A	P	P
31	T.Y.B. Sc.	GURODA SWAPNIL NANHU	A	P	P	P	P	P
32	T.Y.B. Sc.	HARAD YADNYESH SANJAY	P	P	P	P	P	P
33	T.Y.B. Sc.	JADHAV MONALI SHARAD	P	P	P	P	P	P
34	T.Y.B. Sc.	KOM SACHIN VISHNU	P	P	P	P	P	P
35	T.Y.B. Sc.	MACHHI ARYAN ANIL	A	A	A	A	A	A
36	T.Y.B. Sc.	OZARE AMIT KALURAM	P	P	P	P	P	P
37	T.Y.B. Sc.	PAWADE SAHIL SANTOSH	P	P	P	P	P	P
38	T.Y.B. Sc.	SAMBARE AKASH BISTIR	P	P	A	P	P	P
39	T.Y.B. Sc.	SOLANKI REKHA DHULSINGH	P	P	P	P	P	P
40	T.Y.B. Sc.	WAVARE SAKSHI SANDIP	P	A	P	P	P	A



Sr. No.	Class	Name	01/11	2/11	7/11	8/11	9/11	14/11
1	M.Sc. I	VIKAS KAKAD	P	P	P	A	P	P
2	M.Sc. I	PRATHMESH BHAGUL	P	P	P	P	P	P
3	M.Sc. I	PINKI HARIJAN	P	P	P	P	P	P
4	M.Sc. I	KAICALA GAVALI	P	P	P	P	P	P
5	M.Sc. I	GURGAMATI KADU	A	P	P	P	A	P
6	M.Sc. I	ADESH BARAF	A	P	P	P	P	P
7	M.Sc. I	BHAVIK CHURI	P	P	P	P	P	P
8	M.Sc. I	RAJLAXMI TIWARI	P	P	P	P	P	P
9	M.Sc. I	KARTIK KOKITKAR	P	P	P	P	P	P
10	M.Sc. I	NITIN DESAI	P	P	P	P	P	P
11	M.Sc. I	TANESH WAGH	A	P	P	P	P	P
12	M.Sc. I	PRAMOD TUMBADER	A	P	P	A	P	P
13	M.Sc. II	JHA ASHISH JAYGOVIND	P	P	P	P	P	A
14	M.Sc. II	TAKTODE ROHINI BHUJANG	P	P	P	P	P	P
15	M.Sc. II	BENDAGA SANDESH LAXMAN	P	P	P	P	P	P
16	M.Sc. II	GOVARI VINOD VASANT	P	P	P	P	A	P
17	M.Sc. II	MACHHI KAUSHAL BHAGWAN	P	A	A	A	A	A
18	M.Sc. II	PATIL PRIYA RAMAKANT	P	A	P	P	P	P
19	M.Sc. II	MORE ERSHA DASHARATH	P	P	P	P	P	A
20	M.Sc. II	GANGURDE MUKUND SURESH	P	P	P	P	A	P
21	M.Sc. II	DONGARE RUTIKA ANUP	P	P	P	A	P	P
22	M.Sc. II	KARNIK PRAJAKTA RAJESH	P	P	P	P	P	P
23	M.Sc. II	THAKUR ADESH RAMCHANDRA	P	P	P	P	P	P
24	M.Sc. II	LAHANGE ARCHANA ANKUSH	P	P	P	A	P	P
25	M.Sc. II	GOVIND MAYUR BABALU	P	A	P	P	P	P
26	M.Sc. II	LULANIYA FIRDOUS ILIYAS	P	P	P	P	P	P
27	M.Sc. II	KADU GRINABH NARESH	P	P	P	A	P	P
28	T.Y.B. Sc.	DONGARKAR SUNIL JAYRAM	P	P	A	P	P	P
29	T.Y.B. Sc.	GHARAT SHREYA NARENDRA	P	P	P	P	P	P
30	T.Y.B. Sc.	GHATAL SUDHIR DATTA	P	P	A	P	P	P
31	T.Y.B. Sc.	GURODA SWAPNIL NANHU	P	P	P	A	P	P
32	T.Y.B. Sc.	HARAD YADNYESH SANJAY	P	A	P	P	P	P
33	T.Y.B. Sc.	JADHAV MONALI SHARAD	P	P	A	P	P	A
34	T.Y.B. Sc.	KOM SACHIN VISHNU	P	P	P	A	A	P
35	T.Y.B. Sc.	MACHHI ARYAN ANIL	A	A	A	A	A	A
36	T.Y.B. Sc.	OZARE AMIT KALURAM	P	P	A	P	P	P
37	T.Y.B. Sc.	PAWADE SAHIL SANTOSH	P	P	P	P	P	P
38	T.Y.B. Sc.	SAMBARE AKASH BISTIR	P	A	P	P	P	P
39	T.Y.B. Sc.	SOLANKI REKHA DHULSINGH	P	P	P	P	P	P
40	T.Y.B. Sc.	WAVARE SAKSHI SANDIP	P	P	P	P	P	P



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Sr. No.	Class	Name	15/11/202	16/11/202	21/11/202	22/11/202	23/11/202	28/11/202
1	M.Sc. I	VIKAS KAKAD	P	P	P	P	P	A
2	M.Sc. I	PRATHMESH BHAGUL	A	P	P	P	P	P
3	M.Sc. I	PINKI HARIJAN	P	P	P	P	A	P
4	M.Sc. I	KAIKALA GAVALI	P	P	P	P	P	P
5	M.Sc. I	GURGAMATI KADU	P	P	P	A	P	P
6	M.Sc. I	ADESH BARAF	P	P	P	P	P	A
7	M.Sc. I	BHAVIK CHURI	P	P	P	P	P	P
8	M.Sc. I	RAJLAXMI TIWARI	P	P	P	P	P	P
9	M.Sc. I	KARTIK KOKITKAR	A	P	P	P	P	P
10	M.Sc. I	NITIN DESAI	P	P	P	P	P	P
11	M.Sc. I	TANESH WAGH	P	P	P	A	P	P
12	M.Sc. I	PRAMOD TUMBADER	P	A	P	P	P	A
13	M.Sc. II	JHA ASHISH JAYGOVIND	P	P	P	P	P	P
14	M.Sc. II	TAKTODE ROHINI BHUJANG	P	P	P	P	P	P
15	M.Sc. II	BENDAGA SANDESH LAXMAN	P	P	P	P	P	P
16	M.Sc. II	GOVARI VINOD VASANT	A	P	P	A	P	P
17	M.Sc. II	MACHHI KAUSHAL BHAGWAN	A	A	A	A	A	A
18	M.Sc. II	PATIL PRIYA RAMAKANT	P	P	P	P	P	P
19	M.Sc. II	MORE ERSHA DASHARATH	A	P	P	P	P	P
20	M.Sc. II	GANGURDE MUKUND SURESH	P	P	P	P	A	P
21	M.Sc. II	DONGARE RUTIKA ANUP	P	P	P	P	A	P
22	M.Sc. II	KARNIK PRAJAKTA RAJESH	P	P	P	P	P	P
23	M.Sc. II	THAKUR ADESH RAMCHANDRA	P	P	P	P	P	P
24	M.Sc. II	LAHANGE ARCHANA ANKUSH	P	P	P	P	A	P
25	M.Sc. II	GOVIND MAYUR BABALU	A	P	P	P	P	P
26	M.Sc. II	LULANIYA FIRDOUS ILIYAS	P	P	P	P	P	P
27	M.Sc. II	KADU GRINABH NARESH	P	P	P	P	P	P
28	T.Y.B. Sc.	DONGARKAR SUNIL JAYRAM	P	P	P	A	P	P
29	T.Y.B. Sc.	GHARAT SHREYA NARENDRA	P	P	P	P	P	P
30	T.Y.B. Sc.	GHATAL SUDHIR DATTA	P	A	P	P	P	P
31	T.Y.B. Sc.	GURODA SWAPNIL NANHU	P	P	P	P	A	P
32	T.Y.B. Sc.	HARAD YADNYESH SANJAY	P	P	A	P	P	P
33	T.Y.B. Sc.	JADHAV MONALI SHARAD	P	P	P	P	P	P
34	T.Y.B. Sc.	KOM SACHIN VISHNU	P	A	A	P	P	P
35	T.Y.B. Sc.	MACHHI ARYAN ANIL	A	A	A	A	A	A
36	T.Y.B. Sc.	OZARE AMIT KALURAM	P	P	A	P	P	P
37	T.Y.B. Sc.	PAWADE SAHIL SANTOSH	P	A	P	P	P	A
38	T.Y.B. Sc.	SAMBARE AKASH BISTIR	P	P	P	P	P	P

ST

Sr. No.	Class	Name	29/11	30/11	5/12	6/12	7/12	12/12
1	M.Sc. I	VIKAS KAKAD	P	A	P	P	P	P
2	M.Sc. I	PRATHMESH BHAGUL	P	P	P	P	P	A
3	M.Sc. I	PINKI HARIJAN	P	P	P	P	P	P
4	M.Sc. I	KAIKALA GAVALI	P	P	A	P	P	P
5	M.Sc. I	GURGAMATI KADU	P	P	A	P	P	P
6	M.Sc. I	ADESH BARAF	P	P	P	P	P	P
7	M.Sc. I	BHAVIK CHURI	P	P	P	P	P	P
8	M.Sc. I	RAJLAXMI TIWARI	P	P	P	P	P	P
9	M.Sc. I	KARTIK KOKITKAR	P	P	P	P	P	P
10	M.Sc. I	NITIN DESAI	P	P	P	P	P	P
11	M.Sc. I	TANESH WAGH	P	P	P	P	P	P
12	M.Sc. I	PRAMOD TUMBADER	P	A	P	P	P	A
13	M.Sc. II	JHA ASHISH JAYGOVIND	P	P	P	P	P	P
14	M.Sc. II	TAKTODE ROHINI BHUJANG	P	P	P	P	A	P
15	M.Sc. II	BENDAGA SANDESH LAXMAN	P	A	P	P	P	P
16	M.Sc. II	GOVARI VINOD VASANT	P	P	P	P	P	P
17	M.Sc. II	MACHHI KAUSHAL BHAGWAN	P	A	A	A	A	P
18	M.Sc. II	PATIL PRIYA RAMAKANT	P	P	P	P	P	P
19	M.Sc. II	MORE ERSHA DASHARATH	P	P	P	P	P	P
20	M.Sc. II	GANGURDE MUKUND SURESH	P	P	P	P	P	A
21	M.Sc. II	DONGARE RUTIKA ANUP	P	P	P	P	P	A
22	M.Sc. II	KARNIK PRAJAKTA RAJESH	P	P	P	P	P	P
23	M.Sc. II	THAKUR ADESH RAMCHANDRA	P	P	P	P	P	P
24	M.Sc. II	LAHANGE ARCHANA ANKUSH	P	P	P	P	P	A
25	M.Sc. II	GOVIND MAYUR BABALU	P	A	P	P	P	P
26	M.Sc. II	LULANIYA FIRDOUS ILIYAS	P	P	P	P	P	P
27	M.Sc. II	KADU GRINABH NARESH	P	P	P	P	P	P
28	T.Y.B. Sc.	DONGARKAR SUNIL JAYRAM	P	P	P	P	A	P
29	T.Y.B. Sc.	GHARAT SHREYA NARENDRA	P	P	P	P	A	P
30	T.Y.B. Sc.	GHATAL SUDHIR DATTA	A	P	P	P	P	P
31	T.Y.B. Sc.	GURODA SWAPNIL NANHU	P	P	P	P	P	A
32	T.Y.B. Sc.	HARAD YADNYESH SANJAY	P	P	P	P	P	a
33	T.Y.B. Sc.	JADHAV MONALI SHARAD	P	P	P	P	P	P
34	T.Y.B. Sc.	KOM SACHIN VISHNU	A	P	P	P	P	A
35	T.Y.B. Sc.	MACHHI ARYAN ANIL	A	A	A	A	A	A
36	T.Y.B. Sc.	OZARE AMIT KALURAM	P	P	P	P	P	P
37	T.Y.B. Sc.	PAWADE SAHIL SANTOSH	P	P	P	P	P	P
38	T.Y.B. Sc.	SAMBARE AKASH BISTIR	P	P	P	P	P	P
39	T.Y.B. Sc.	SOLANKI REKHA DHULSINGH	P	P	P	P	P	P
40	T.Y.B. Sc.	WAVARE SAKSHI SANDIP	P	P	P	P	P	P



Sr. No.	Class	Name	13/12/2022	14/12/2022	19/12/2022	20/12/2022	21/12/2022	26/12/2022
1	M.Sc. I	VIKAS KAKAD	P	P	P	P	P	P
2	M.Sc. I	PRATHMESH BHAGUL	P	A	A	P	P	P
3	M.Sc. I	PINKI HARIJAN	P	P	P	P	P	P
4	M.Sc. I	KAIKALA GAVALI	P	P	P	P	A	P
5	M.Sc. I	GURGAMATI KADU	A	P	P	A	P	P
6	M.Sc. I	ADESH BARAF	P	P	P	P	P	P
7	M.Sc. I	BHAVIK CHURI	P	P	P	P	P	P
8	M.Sc. I	RAJLAXMI TIWARI	P	P	P	P	P	P
9	M.Sc. I	KARTIK KOKITKAR	P	P	P	P	P	A
10	M.Sc. I	NITIN DESAI	P	A	P	P	P	P
11	M.Sc. I	TANESH WAGH	P	P	P	P	P	A
12	M.Sc. I	PRAMOD TUMBADER	A	A	P	P	P	P
13	M.Sc. II	JHA ASHISH JAYGOVIND	A	P	P	P	P	P
14	M.Sc. II	TAKTODE ROHINI BHUJANG	P	P	P	P	P	P
15	M.Sc. II	BENDAGA SANDESH LAXMAN	P	P	P	P	P	P
16	M.Sc. II	GOVARI VINOD VASANT	A	P	P	P	P	P
17	M.Sc. II	MACHHI KAUSHAL BHAGWAN	A	A	A	P	A	A
18	M.Sc. II	PATIL PRIYA RAMAKANT	P	P	P	P	P	P
19	M.Sc. II	MORE ERSHA DASHARATH	P	P	P	P	P	P
20	M.Sc. II	GANGURDE MUKUND SURESH	P	P	P	P	P	P
21	M.Sc. II	DONGARE RUTIKA ANUP	P	A	P	P	P	P
22	M.Sc. II	KARNIK PRAJAKTA RAJESH	P	P	P	P	P	P
23	M.Sc. II	THAKUR ADESH RAMCHANDRA	A	P	P	P	P	P
24	M.Sc. II	LAHANGE ARCHANA ANKUSH	P	P	P	P	P	P
25	M.Sc. II	GOVIND MAYUR BABALU	P	P	A	P	P	P
26	M.Sc. II	LULANIYA FIRDOUS ILIYAS	P	P	P	P	P	P
27	M.Sc. II	KADU GRINABH NARESH	P	P	P	P	P	P
28	T.Y.B. Sc.	DONGARKAR SUNIL JAYRAM	P	P	P	P	P	A
29	T.Y.B. Sc.	GHARAT SHREYA NARENDRA	P	P	P	A	P	P
30	T.Y.B. Sc.	GHATAL SUDHIR DATTA	P	P	P	P	P	P
31	T.Y.B. Sc.	GURODA SWAPNIL NANHU	P	P	P	P	P	P
32	T.Y.B. Sc.	HARAD YADNYESH SANJAY	A	P	P	P	P	P
33	T.Y.B. Sc.	JADHAV MONALI SHARAD	P	P	P	P	P	P
34	T.Y.B. Sc.	KOM SACHIN VISHNU	A	P	P	P	A	P
35	T.Y.B. Sc.	MACHHI ARYAN ANIL	A	A	A	A	A	A
36	T.Y.B. Sc.	OZARE AMIT KALURAM	P	P	P	P	P	P
37	T.Y.B. Sc.	PAWADE SAHIL SANTOSH	P	P	P	P	P	P
38	T.Y.B. Sc.	SAMBARE AKASH BISTIR	P	P	P	P	P	P

39	T.Y.B. Sc.	SOLANKI REKHA DHULSINGH	P	P	P	P	P	P
40	T.Y.B. Sc.	WAVARE SAKSHI SANDIP	P	P	A	P	P	P



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Sr. No.	Class	Name	02/01/2023	3/01/2023	4/01/2023	9/01/2023	10/01/2023	11/01/2023
1	M.Sc. I	VIKAS KAKAD	P	P	P	P	P	P
2	M.Sc. I	PRATHMESH BHAGUL	P	P	P	P	P	P
3	M.Sc. I	PINKI HARIJAN	P	P	P	P	P	A
4	M.Sc. I	KAIKALA GAVALI	P	P	P	P	P	P
5	M.Sc. I	GURGAMATI KADU	P	P	P	P	P	P
6	M.Sc. I	ADESH BARAF	P	P	P	P	P	P
7	M.Sc. I	BHAVIK CHURI	P	P	P	P	P	P
8	M.Sc. I	RAJLAXMI TIWARI	P	P	P	P	P	P
9	M.Sc. I	KARTIK KOKITKAR	P	P	P	P	P	P
10	M.Sc. I	NITIN DESAI	P	P	P	P	P	P
11	M.Sc. I	TANESH WAGH	P	P	P	P	P	P
12	M.Sc. I	PRAMOD TUMBADER	P	P	P	P	P	P
13	M.Sc. II	JHA ASHISH JAYGOVIND	P	P	P	P	P	P
14	M.Sc. II	TAKTODE ROHINI BHUJANG	P	P	P	P	P	P
15	M.Sc. II	BENDAGA SANDESH LAXMAN	P	P	P	P	P	P
16	M.Sc. II	GOVARI VINOD VASANT	P	P	P	P	P	P
17	M.Sc. II	MACHHI KAUSHAL BHAGWAN	A	A	A	A	A	A
18	M.Sc. II	PATIL PRIYA RAMAKANT	P	P	P	P	P	P
19	M.Sc. II	MORE ERSHA DASHARATH	P	P	P	P	P	P
20	M.Sc. II	GANGURDE MUKUND SURESH	P	P	P	P	P	P
21	M.Sc. II	DONGARE RUTIKA ANUP	A	P	P	P	P	P
22	M.Sc. II	KARNIK PRAJAKTA RAJESH	P	P	P	P	A	P
23	M.Sc. II	THAKUR ADESH RAMCHANDRA	P	P	P	P	P	P
24	M.Sc. II	LAHANGE ARCHANA ANKUSH	P	P	P	P	P	P
25	M.Sc. II	GOVIND MAYUR BABALU	P	P	P	A	P	P
26	M.Sc. II	LULANIYA FIRDOUS ILIYAS	P	P	P	P	P	P
27	M.Sc. II	KADU GRINABH NARESH	P	P	P	P	P	P
28	T.Y.B. Sc.	DONGARKAR SUNIL JAYRAM	A	P	P	P	P	P
29	T.Y.B. Sc.	GHARAT SHREYA NARENDRA	P	P	A	P	P	P
30	T.Y.B. Sc.	GHATAL SUDHIR DATTA	P	P	P	P	P	P
31	T.Y.B. Sc.	GURODA SWAPNIL NANHU	P	P	P	P	P	P
32	T.Y.B. Sc.	HARAD YADNYESH SANJAY	P	A	P	P	P	A
33	T.Y.B. Sc.	JADHAV MONALI SHARAD	P	P	P	P	P	P
34	T.Y.B. Sc.	KOM SACHIN VISHNU	A	P	P	P	P	A
35	T.Y.B. Sc.	MACHHI ARYAN ANIL	A	A	A	A	A	A
36	T.Y.B. Sc.	OZARE AMIT KALURAM	P	P	P	P	P	P
37	T.Y.B. Sc.	PAWADE SAHIL SANTOSH	P	P	P	P	P	P
38	T.Y.B. Sc.	SAMBARE AKASH BISTIR	P	P	P	P	P	P

39	T.Y.B. Sc.	SOLANKI REKHA DHULSINGH	P	P	P	P	P	P
40	T.Y.B. Sc.	WAVARE SAKSHI SANDIP	P	P	P	P	P	P



Signature

**S. D. Arts, V. S. Apte Commerce and M. H. Mehta Science College,
Palghar-401404
Department of Physics**

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

No. of Days Present

Subject: Physics

Venue: Room no.25

Class: B.Sc. and M.Sc.

Time – 1:50 p.m. To 3:50p.m.

Sr. No.	Class	Name Of The Student	No. of Days Present
1	M.Sc. I	VIKAS KAKAD	43
2	M.Sc. I	PRATHMESH BHAGUL	44
3	M.Sc. I	PINKI HARIJAN	43
4	M.Sc. I	KAIKALA GAVALI	44
5	M.Sc. I	GURGAMATI KADU	39
6	M.Sc. I	ADESH BARAF	44
7	M.Sc. I	BHAVIK CHURI	47
8	M.Sc. I	RAJLAXMI TIWARI	46
9	M.Sc. I	KARTIK KOKITKAR	43
10	M.Sc. I	NITIN DESAI	46
11	M.Sc. I	TANESH WAGH	42
12	M.Sc. I	PRAMOD TUMBADER	28
13	M.Sc. II	JHA ASHISH JAYGOVIND	43
14	M.Sc. II	TAKTODE ROHINI BHUJANG	44
15	M.Sc. II	BENDAGA SANDESH LAXMAN	46
16	M.Sc. II	GOVARI VINOD VASANT	40
17	M.Sc. II	MACHHI KAUSHAL BHAGWAN	10
18	M.Sc. II	PATIL PRIYA RAMAKANT	44
19	M.Sc. II	MORE ERSHA DASHARATH	46
20	M.Sc. II	GANGURDE MUKUND SURESH	42
21	M.Sc. II	DONGARE RUTIKA ANUP	39
22	M.Sc. II	KARNIK PRAJAKTA RAJESH	46
23	M.Sc. II	THAKUR ADESH RAMCHANDRA	47
24	M.Sc. II	LAHANGE ARCHANA ANKUSH	42
25	M.Sc. II	GOVIND MAYUR BABALU	40
26	M.Sc. II	LULANIYA FIRDOUS ILIYAS	00
27	M.Sc. II	KADU GRINABH NARESH	44
28	T.Y.B. Sc.	DONGARKAR SUNIL JAYRAM	40
29	T.Y.B. Sc.	GHARAT SHREYA NARENDRA	43
30	T.Y.B. Sc.	GHATAL SUDHIR DATTA	44

31	T.Y.B. Sc.	GURODA SWAPNIL NANHU	43
32	T.Y.B. Sc.	HARAD YADNYESH SANJAY	42
33	T.Y.B. Sc.	JADHAV MONALI SHARAD	46
34	T.Y.B. Sc.	KOM SACHIN VISHNU	38
35	T.Y.B. Sc.	MACHHI ARYAN ANIL	00
36	T.Y.B. Sc.	OZARE AMIT KALURAM	42
37	T.Y.B. Sc.	PAWADE SAHIL SANTOSH	46
38	T.Y.B. Sc.	SAMBARE AKASH BISTIR	45
39	T.Y.B. Sc.	SOLANKI REKHA DHULSINGH	46
40	T.Y.B. Sc.	WAVARE SAKSHI SANDIP	45

**S. D. Arts, V. S. Apte Commerce and M. H. Mehta Science College,
Palghar-401404
Department of Physics**

Certificate Course
On

**Introduction to coding, basics of C and C++ programming
Exam Question Paper Link**

Google Form link of Test Paper

Certificate Course Test- - <https://forms.gle/MVGYonGcY5f4wsxX6>

Grade of Exam

Subject: Physics
Venue: Room no.25

Class: B.Sc. and M.Sc.
Time – 1:50 p.m. To 3:50p.m.

Sr. No.	Class	Name Of The Student	Grade
1	M.Sc. I	VIKAS KAKAD	A
2	M.Sc. I	PRATHMESH BHAGUL	A
3	M.Sc. I	PINKI HARIJAN	A
4	M.Sc. I	KAIKALA GAVALI	A
5	M.Sc. I	GURGAMATI KADU	A
6	M.Sc. I	ADESH BARAF	O
7	M.Sc. I	BHAVIK CHURI	O
8	M.Sc. I	RAJLAXMI TIWARI	O
9	M.Sc. I	KARTIK KOKITKAR	A+
10	M.Sc. I	NITIN DESAI	O
11	M.Sc. I	TANESH WAGH	A
12	M.Sc. I	PRAMOD TUMBADER	B
13	M.Sc. II	JHA ASHISH JAYGOVIND	O
14	M.Sc. II	TAKTODE ROHINI BHUJANG	O
15	M.Sc. II	BENDAGA SANDESH LAXMAN	O
16	M.Sc. II	GOVARI VINOD VASANT	A+
17	M.Sc. II	MACHHI KAUSHAL BHAGWAN	AB
18	M.Sc. II	PATIL PRIYA RAMAKANT	O
19	M.Sc. II	MORE ERSHA DASHARATH	O
20	M.Sc. II	GANGURDE MUKUND SURESH	A
21	M.Sc. II	DONGARE RUTIKA ANUP	A
22	M.Sc. II	KARNIK PRAJAKTA RAJESH	A+
23	M.Sc. II	THAKUR ADESH RAMCHANDRA	O
24	M.Sc. II	LAHANGE ARCHANA ANKUSH	A+
25	M.Sc. II	GOVIND MAYUR BABALU	A+
26	M.Sc. II	LULANIYA FIRDOUS ILIYAS	AB
27	M.Sc. II	KADU GRINABH NARESH	O
28	T.Y.B. Sc.	DONGARKAR SUNIL JAYRAM	A
29	T.Y.B. Sc.	GHARAT SHREYA NARENDRA	A+
30	T.Y.B. Sc.	GHATAL SUDHIR DATTA	A
31	T.Y.B. Sc.	GURODA SWAPNIL NANHU	A+
32	T.Y.B. Sc.	HARAD YADNYESH SANJAY	A
33	T.Y.B. Sc.	JADHAV MONALI SHARAD	O
34	T.Y.B. Sc.	KOM SACHIN VISHNU	B
35	T.Y.B. Sc.	MACHHI ARYAN ANIL	AB

36	T.Y.B. Sc.	OZARE AMIT KALURAM	O
37	T.Y.B. Sc.	PAWADE SAHIL SANTOSH	A+
38	T.Y.B. Sc.	SAMBARE AKASH BISTIR	A
39	T.Y.B. Sc.	SOLANKI REKHA DHULSINGH	O
40	T.Y.B. Sc.	WAVARE SAKSHI SANDIP	O

B.K. Sakhre

Prof. B.K. Sakhre
Head (Dept. of Physics)

Certificate

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

DEPARTMENT OF PHYSICS

CERTIFICATE
this is to certify that

Ghatal Sudhir Datta

has successfully completed the Certificate Course "Introduction to coding,
Basics of C & C++ Programming" with A grade conducted by Department
of Physics from 20/09/2022 to 15/01/2023

MDeshmukh

Prof. Mahesh Deshm,ukh
CFEI- Chairman



Kirane

Dr. Kiran Save
Principal

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

DEPARTMENT OF PHYSICS

CERTIFICATE
this is to certify that

Jadhav Monali Sharad

has successfully completed the Certificate Course "Introduction to coding,
Basics of C & C++ Programming" with Q grade conducted by Department
of Physics from 20/09/2022 to 15/01/2023

MDeshmukh

Prof. Mahesh Deshm,ukh
CFEI- Chairman



Kirane

Dr. Kiran Save
Principal

Report

Course Summary

Certificate Course on “Introduction to coding, basics of C and C++ programming” was started during the academic year 2022-23 under the flagship of Physics department. The course offers concept of coding, C and C++ programming, understanding of code organization and functional hierarchical decomposition with using complex data types. Duration of course is of 47 days, starting from 20/09/2022 to 15/01/2023. Total number of students who registered in the course were 40. After successful completion of the course, 37 students were issued the certificate.



Prof. B.K. Sakhre
Head (Dept. of Physics)