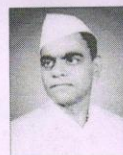




Janata Shikshan Sanstha's
KISAN VEER MAHAVIDYALAYA, WAI
Department of Physics & Mathematics



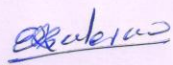
"Capsule Course in C++ Programming"


Course Report -2020-21


The department of Physics and Mathematics has decided to conduct a certificate course in departmental meeting. The title of the course is "Capsule Course in C++ Programming" was finalized. The notification and advertisement was made through our college website and Brochure of the course was uploaded on the college website. The course was started on 20 February 2021. The time-table was displayed on the department's notice board.

43 students were admitted for the said course. Regular lectures and practicals were conducted according to the time-table. Examination of the said course was conducted and certificates were issued to all the passed students. Students gained the knowledge about programming using C++ and one more certificate along with the B.Sc. degree. The supportive staff and the administration of the College and specially Hon. Principal supported a lot.

The record of the course has maintained in the department. One copy had given in IQAC cell and same had been uploaded on college website.

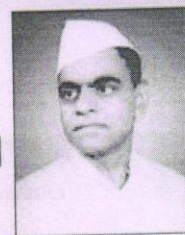

Dr. E.B. Bhalerao
Principal
KISAN VEER MAHAVIDYALAYA
Tal. Wai, Dist. Satara


Prof. Dr. S.R. Tate
Course Co-ordinator
Department of Mathematics


Prof. R.V. Bakare
Head
Department of Physics
Kisan Veer Mahavidyalaya, Wai



Janata Shikshan Sanstha's
KISAN VEER MAHAVIDYALAYA, WAI



DEPARTMENT OF PHYSICS AND MATHEMATICS

CAPSULE COURSE IN C++ PROGRAMMING

Eligibility: B.Sc. Part III (Physics & Mathematics) Students

Duration: 3 Months

CAPSULE COURSE IN C++ PROGRAMMING

Objectives:

- To understand and the basic concept of programming using C++
- To create an awareness of the importance of C++ language in Computer Programming
- To generate the ability to read and to write C++ Programs
- To develop the ability to write the program for the problem related their subjects

Contact

Dr. S.R. Tate(Course co-ordinator)
Head
Department of Mathematics
Mob.8788943894

Prof. G.S.Babar
Assistant Professor
Deptment of Physics
Mob.8805270716

Head
Department of Physics
Kisan Veer Mahavidyalaya, Wai

Department of Physics &
Department of Mathematics
Kisan Veer Mahavidyalaya, Wai
Date: 15th February, 2021

Notice

All students from **B.Sc. Part III Physics & Mathematics** are here by informed that
“**Capsule Course in C++ Programming**” will be started from 20th February 2021. It is noted that this
course is mandatory to every B.Sc. Part III Physics & Mathematics students.

- Theory Time Table

Time	Friday	Saturday
11.00 to 12.00	GSB(Theory)	GSB(Theory)

- Time Table for Practical

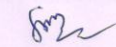
Time	Friday	
12.30 to 02.30	SRT(Practical)	SRT(Practical)
12.30 to 02.30	SRT(Practical)	SRT(Practical)

NOTE: 1. Theory & Practical will be started from 20th February 2021.

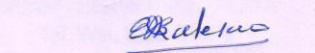
2. Each theory lecture will be of 1 Clock hour.
3. Each practical will be of 2 Clock hour.


Head

Department of Physics
Head
Department of Physics
Kisan Veer Mahavidyalaya, Wai


Head

Department of Mathematics


I/C Principal
I/C PRINCIPAL
Kisan Veer Mahavidyalaya, Wai
Tal. Wai, Dist. Satara

Syllabus

Theory

1. C++ Introduction

(2-Lectures)

History, Identifiers, Keywords, Constants, Variables, C++ operations, Basic data types, User defined data types, Header files, Manipulators...

2. Expressions in C++:

(2-Lectures)

Constant expression, Integer expression, Float expression, Relational expression, Logical expression, Bitwise expression, Declarations in C++, Program Structure of C++, Simple Programs.

3. Control Statements:

(3-Lectures)

if, else, nested if, for loop, while loop, do-while loop, break, continue, goto, switch statements.

4. Arrays:

(2-Lectures)

One dimensional and two dimension array, Linear and Binary search.

5. Functions:

(1-Lectures)

Library functions and four types of User defined functions with illustrative programs each.

Recommended Book:

1. Programming with Ravichandran Edition, Tata Mac Graw-Hill publishing Co Ltd., New Delhi (2006).



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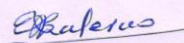
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Department of Mathematics



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Tal. Wai, Dist. Satara

Practicals

1. Program to display "Hello, World!" on the screen.
2. Program to add two Integers
3. Program to compute quotient and remainder, both divisor and dividend should be integers.
4. Program to Check Whether Number is even or odd.
5. Program to Check Whether a character is Vowel or Consonant.
6. Program to Find Largest Number among Three Numbers
7. Program to Find All Roots of a Quadratic Equation
8. Program to Calculate Sum of Natural Numbers
9. Program to Find Factorial
10. Program to Display Fibonacci Series
11. Program to Find GCD
12. Program to Find LCM
13. Program to Reverse a Number
14. Program to Calculate Power of a Number
15. Program to Check Whether a Number is Prime or Not
16. Program to Display Factors of a Number
17. Program to Display Prime Numbers between Two Intervals Using Functions
18. Program to Check Prime Number by Creating a Function
19. Program to Calculate Factorial of Number Using Recursion
20. Program to Find Largest Element of an Array
21. Program to Calculate Average of Numbers Using Arrays
22. Program to Calculate Standard Deviation
23. Program to Add Two Matrix Using Multi-dimensional Arrays
24. Program to Find Transpose of Matrix
25. Program to find square/cube of 10 numbers.



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Kisan Veer Mahavidyalaya, Wai
Tal. Wai, Dist. Satara

Office,

Kisan Veer Mahavidyalaya, Wai,

Date: 15/02/2021

Notice

All the students of B.Sc.III (Physics and Mathematics) are hereby informed that their final Examination (Theory + Practical) of "A Capsule Course in C++ Programming" will be held on Wednesday, 31st March, 2021. The students who will remain absent for the examination and the students who will be failed in the examination, will not be able to get Certificate of the Course.



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Kisan Veer Mahavidyalaya, Wai



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Department of Mathematics



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Tal. Wai, Dist. Satara
Kisan Veer Mahavidyalaya, Wai

Janata Shikshan Sanstha's
Kisan Veer Mahavidyalaya, Wai
Department of Physics and Mathematics
Examination for Capsule Course in C⁺⁺

Class : B.Sc. III

Date : 31/03/2021

Marks : 50

Time : 3hr.

Theory

Q.1 Attempt any four questions of the following

20

- A. Explain if-else statement.
- B. Explain user defined data types.
- C. Write a note on Linear & Binary search
- D. Write a note on two dimensional arrays.
- E. Explain Break and continue statement.

Practical

Q.2 Write a program and run it on the computer (Attempt any two)

30

- A. Program for ascending and descending order of given set of Number.
- B. Program for finding largest number out of three numbers.
- C. Program to add two matrix using Multidimensional Array.

KISAN VEER MAHAVIDYALAYA, WAI
Department of Physics
Student List 2020-21

Sr.No.	Roll.No.	Name Of Student
1	5	ASIM IKRAMUDDIN SHAIKH
2	8	KALAMBE KEDAR SHANKAR
3	10	NANAWARE SNEHAL MAHADEO
4	48	SAYYAD NAFISA NISAR
5	53	SURYAWANSHI ROHINI SUBHASH
6	60	DHUMAL POOJA MAHESH
7	63	SHEWATE RUTUJA DATTATRAY
8	66	BHOSALE RUTUJA DHANAJI
9	67	BHOSALE DHANASHREE PRATAP
10	68	GAVANDI SANJANA KISHOR
11	69	CHAVAN POOJA SHIVAJI
12	80	KSHIRSAGAR VAISHNAVI PRASHANT
13	93	SHREYAS BHIMRAO RAJPURE
14	96	VIVEK SHANTARAM MALI
15	125	MUNGASE VAISHNAVI RAJENDRA
16	140	MANDHARE RUTUJA ANIL
17	165	NIGADE ANKITA VINOD
18	169	TARADE SWATI UMESH
19	182	RAJPURE NEHA SANJAY
20	183	YADAV AMRUTA ANIL
21	188	PAWAR SHARMISHTHA SHIVAJI
22	189	CHAVAN RUTUJA SUDHAKAR
23	190	WAGH GAURI SANJAY
24	194	KALE ESHWARI RAJESH
25	195	MANDHARE PRATIKSHA PRAKASH
26	203	MANDHARE GIRIRAJ SUNIL
27	214	PATIL DIGVIJAY SUBHASH
28	216	DAREKAR GANESH VINAYAK
29	220	CHIKANE NUTAN SANJAY
30	223	GAIKWAD AISHWARYA SURYAKANT
31	241	POL AVANTIKA VINOD



Head
Department of Mathematics



Head
Department of Physics
Kisan Veer Mahavidyalaya, Wai



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Kisan Veer Mahavidyalaya, Wai
KISAN VEER MAHAVIDYALAYA
Tal. Wai, Dist. Satara

KISAN VEER MAHAVIDYALAYA, WAI
Department of Mathematics
Student List 2020-21

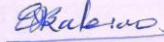
Sr.No	Roll No.	Name of the students
1	3	Dangare Pratiksha Krishna
2	13	Sathe Reshma Krushna
3	29	Rajpure Pradnya Tanaji
4	51	Rajpure Amisha sadashiv
5	59	Gaudanavar Sumitra Amasiddha
6	61	Yadav Sandhya chandraprakash
7	64	Mozar Rupa Ramachandra
8	70	Dhanvade Sarita Suryakant
9	79	Jadhav Snehal Tatyasaheb
10	83	Chavan Trupti Sandip
11	91	Bhosale Dnyaneshwari Manohar
12	92	Bhosale Rutuja Bhanudas.



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Department of Mathematics



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Department of Physics
Kisan Veer Mahavidyalaya, Wai



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Wai, Dist. Satara

KISAN VEER MAHAVIDYALAYA, WAI

Department of Physics

Mark List 2020-21

Sr.No.	Roll.No.	Name Of Student	Marks Obtained		Total (50)
			Theory (20)	Practical (30)	
1	5	ASIM IKRAMUDDIN SHAIKH	14	22	36
2	8	KALAMBE KEDAR SHANKAR	20	30	50
3	10	NANAWARE SNEHAL MAHADEO	18	28	46
4	48	SAYYAD NAFISA NISAR	18	22	40
5	53	SURYAWANSHI ROHINI SUBHASH	18	24	42
6	60	DHUMAL POOJA MAHESH	20	28	48
7	63	SHEWATE RUTUJA DATTATRAY	18	24	42
8	66	BHOSALE RUTUJA DHANAJI	16	22	38
9	67	BHOSALE DHANASHREE PRATAP	16	26	42
10	68	GAVANDI SANJANA KISHOR	20	30	50
11	69	CHAVAN POOJA SHIVAJI	20	30	50
12	80	KSHIRSAGAR VAISHNAVI PRASHANT	20	30	50
13	93	SHREYAS BHIMRAO RAJPURE	16	26	42
14	96	VIVEK SHANTARAM MALI	16	22	38
15	125	MUNGASE VAISHNAVI RAJENDRA	16	24	40
16	140	MANDHARE RUTUJA ANIL	16	24	40
17	165	NIGADE ANKITA VINOD	16	26	42
18	169	TARADE SWATI UMESH	18	26	44
19	182	RAJPURE NEHA SANJAY	20	30	50
20	183	YADAV AMRUTA ANIL	20	30	50
21	188	PAWAR SHARMISHTHA SHIVAJI	18	28	46
22	189	CHAVAN RUTUJA SUDHAKAR	18	28	46
23	190	WAGH GAURI SANJAY	16	24	40
24	194	KALE ESHWARI RAJESH	16	24	40
25	195	MANDHARE PRATIKSHA PRAKASH	16	22	38
26	203	MANDHARE GIRIRAJ SUNIL	16	22	38
27	214	PATIL DIGVIJAY SUBHASH	18	22	40
28	216	DAREKAR GANESH VINAYAK	14	22	36
29	220	CHIKANE NUTAN SANJAY	14	24	38
30	223	GAIKWAD AISHWARYA SURYAKANT	16	28	44
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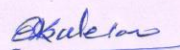
Head

Department of Mathematics



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Kisan Veer Mahavidyalaya, Wai



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Kisan Veer Mahavidyalaya, Wai

KISAN VEER MAHAVIDYALAYA, WAI

Department of Mathematics

Mark List 2020-21


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3	29	Rajpure Pradnya Tanaji	18	28	46
4	51	Rajpure Amisha sadashiv	16	24	40
5	59	Gaudanavar Sumitra Amasiddha	16	24	40
6	61	Yadav Sandhya chandraprakash	16	22	38
7	64	Mozar Rupa Ramachandra	16	22	38
8	70	Dhanvade Sarita Suryakant	18	22	40
9	79	Jadhav Snehal Tatyasaheb	14	22	36
10	83	Chavan Trupti Sandip	14	24	38
11	91	Bhosale Dnyaneshwari Manohar	16	28	44
12	92	Bhosale Rutuja Bhanudas.	14	28	42



Head
Department of Mathematics



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Department of Physics
Kisan Veer Mahavidyalaya, Wai



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KISAN VEER MAHAVIDYALAYA
Tal. Wai, Dist. Solapur, Wai



Janata Shikshan Sanstha's

KISAN VEER MAHAVIDYALAYA, WAI (DIST-SATARA)

DEPARTMENT OF PHYSICS AND DEPARTMENT OF MATHEMATICS
CAPSULE COURSE IN C++ PROGRAMMING.

This is to certify that Mr./Miss Yadav Amruta Anil of B.Sc. Part III

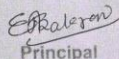
(Physics / Mathematics) has successfully completed Capsule Course in C++ Programming which was jointly conducted by Department of Physics & Department of Mathematics of KISAN VEER MAHAVIDYALAYA, WAI, DIST. SATARA during the Academic Year 2020 -2021

Place : Wai

Date : 10/04/2021


Head,

Department of Physics


Principal

Kisan Veer Mahavidyalaya, Wai


Head,

Department of Mathematics