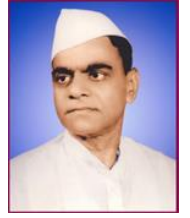




Janata Shikshan Sanstha's
KISAN VEER MAHAVIDYALAYA, WAI



Certificate Course in Python 2022-23

**Supportive Documents for
Certificate Course Annual Report**

Supportive Documents for

Certificate Course Annual Report includes-

- 1. Short Report of the Particular Academic Year**
- 2. Certificate Course Brochure/Handbook**
- 3. Notice regarding the Introduction date of the course & BOS Resolution**
- 4. Syllabus of the Course**
- 5. Course Objectives and Outcomes**
- 6. List of enrolled students**
- 7. Time Table**
- 8. Attendance Sheets**
- 9. Result of the Course**
- 10. One Sample Certificate of the pass student**
- 11. Geotagged Photo**



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




Janata Shikshan Sanstha's
Kisan Veer Mahavidyalaya, Wai
Department of Mathematics
"Certificate Course in Python"


Course Report: 2022-23

The Department of Mathematics has introduced the Certificate Course "Certificate Course in Python" from the academic year 2021-2022. The course for the academic year 2022-23 was started on 9th January 2023. The timetable was displayed on the department's notice board. 33 students were admitted for the said course. Regular lectures and practicals were conducted according to the time-table. The examination of the said course was conducted and certificates were issued to all the passed students. Students gained the knowledge about programming using Python. The non-teaching staff and the administration of the College and specially Hon. Principal supported a lot in conducting the course.

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


Course Coordinator
Department of Mathematics




Principal
Kisan Veer Mahavidyalaya, Wai

2. Certificate Course Brochure/Handbook



Janata Shikshan Sanstha's
Kisan Veer Mahavidyalaya, Wai
Department of Mathematics



CERTIFICATE COURSE IN PYTHON

Eligibility: B. Sc. (Mathematics) Students

Introduced: since academic year 2021-22

DURATION 03 Months

FEES:- Rs.500/-

Objectives:

- To understand the basic concept of programming using Python
- To create an awareness of the importance of Python in Computer Programming
- To learn how to read and write files in Python
- 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.7276235447

3. Notice regarding the Introduction date of the course & BOS Resolution

Department of Mathematics

Kisan Veer Mahavidyalaya, Wai

Date: 06/01/2023

Notice

All the students of B.Sc. (Mathematics) are hereby informed that our department is going to conduct the "Certificate Course in Python". This course will be starting from 09/01/2023. Duration of course is Three months and fee is 500/-. Interested students should enrolled their names in the Department of Mathematics towards Lab Assistant, Shri Thombare Navnath.



Head
Department of Mathematics
Kisan Veer Mahavidyalaya
Wai - 412803

4. Syllabus

Janata Shikshan Sanstha's

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Department of Mathematics

CERTIFICATE COURSE IN PYTHON

SYLLABUS

1) Introduction to Python:

Python Identifiers and Keywords, data types, simple mathematical operation, Indentation and Comments. Input and Output, First Python program

2) Expression and operators:

Expression, Boolean expression, logical operations: comparison operator, membership operator, identity operator, bitwise operator. Order of evaluation. File Handling: open, read, write, append modes of file.

3) Conditional Statements:

if-else, nested if-else, if-elif-else, try-except block.

4) Looping Statements, Control statements:

Looping Statements: for loop, while loop, Nested loops, Control Statements: break, continue and pass.

5) Functions:

Built-in functions, User-defined functions, Arguments, recursive function, Python Anonymous/Lambda Function, Global, Local and Nonlocal variables and return statement.

6) Modules and packages in Python:

Modules, import, import with renaming, from-import statement, math module, cmath module, random module, packages.

7) Python Data structure:

Strings, list, tuples, dictionary, set and array.

8) Operations on set and array:

Set operations, Intersection, union, difference, symmetric difference, searching and sorting.

9) Data visualization in Python: 2D and 3D plot in python: line plot, bar plot, histogram plot, scatter plot, pie plot, area plot, Mandelbrot fractal set visualization.



Practical Programs:

- 1) Program to Display "Hello Python" on Screen
- 2) Program to create file
- 3) Program to find greater number between two numbers
- 4) Program to find greater and equal number between two numbers
- 5) Program to find the number is Positive or Negative
- 6) Program to calculate the class obtained by the student.
- 7) Program to calculate the maximum between three numbers.
- 8) Program to determine whether the given integer is odd or even.
- 9) Program to find sum of first n integers
- 10) Program to find factorial of n
- 11) Program to check whether a given number is prime or not.
- 12) Program to find factorial of n using Recursive Function
- 13) Program to check whether the given numbers are relatively prime or not.
- 14) Program to verify Euler's formula using Python.
- 15) Program to check palindrome string. (A palindrome string is one that reads the same backward as well as forward.)
- 16) Program to remove duplicates from a list
- 17) Program to add an element in the set.
- 18) Program to remove elements in the set.
- 19) Program to solving systems of linear equations using Gauss Elimination Method
- 20) Program to solving systems of linear equations using LU Decomposition method
- 21) Program to find root of an equation using Bisection Method
- 22) Program to find root of an equation using Newton-Raphson formula
- 23) Program to solving ordinary differential equations (ODEs) with a given initial value using Euler Method
- 24) Program to find the approximate solution of ordinary differential equations (ODEs) with a given initial value using Runge-Kutta 4th Order Method.
- 25) Plotting 2D, 3D graphs.

Evaluation: Practical Work (40) + Viva Voce (10).



5. Course Objectives and Outcomes

Course Objectives:

- To understand the basic concept of programming using Python
- To create an awareness of the importance of Python in Computer Programming
- To learn how to read and write files in Python
- To develop the ability to write the program for the problem related their subjects

Course Outcomes:

At the end of this course, the students will be able to


- Explain basic principles of Python programming language
- Develop logical thinking
- Ability to write programs related to mathematics

6. List of enrolled students


Janata Shikshan Sanstha's
Kisan Veer Mahavidyalaya, Wai
Department of Mathematics

CERTIFICATE COURSE IN PYTHON STUDENT LIST (2022-23)

Sr. No	Roll NO.	Students Name
1	2	ADSUL MANASI RAJENDRA
2	58	SHINDE ANIL KRUSHNA
3	61	SHAIKH BILAL SALLAUDDIN
4	62	PAWAR PRATIK DATTATRAY
5	66	THOMBARE MADHAVI DIPAK
6	77	WAKALE SARITA SHIVAJI
7	78	RAJPURE MANASI BALKRUSHNA
8	79	RAJPURE PREM JITENDRA
9	80	ANKITA MAHADEV DHANAWDE
10	81	ABOLI ARUN SUTAR
11	82	JATHAR MANSEE PRAVIN
12	91	MAHAMUNI TEJAS RAJENDRA
13	95	HOGADE SHASHIKANT DATTATRAY
14	127	PISAL DINESH ANANDA
15	128	BHOITE ARJUN RAJENDRA
16	131	BHOSALE DHANASHRI SUBODH
17	134	RAJPURE SAHIL SOMNATH
18	13	CHAUDHARI VINIT ASHOK
19	43	PARTE SANIKA PRADIP
20	50	SHINDE PRUTHVIRAJ PRAKASH
21	66	RAUT ANISHA SAMPAT
22	67	THORAVE PRATIK SUDHIR
23	68	JAGTAP JIVAN ATMARAM
24	72	GAIKWAD RUTIKA VITTHAL
25	88	JAGTAP AVISHKAR JEEVAN
26	89	KHARE ATHARV NANDKUMAR
27	90	KARANJE SANKET SANJAY
28	95	CHAVAN SAKSHI SUDHAKAR
29	96	WADKAR YASH MAHENDRA
30	97	SHINGATE NIRANJAN SHIVAJI
31	98	PISAL JAGANNATH KUMAR
32	104	BHOSALE OM RAVINDRA
33	121	SUNEHA RAJPUT


Course Coordinator
Department of Mathematics




Principal
Kisan Veer Mahavidyalaya, Wai

7. Time Table

Janata Shikshan Sanstha's

Kisan Veer Mahavidyalaya, Wai

Department of Mathematics

CERTIFICATE COURSE IN PYTHON

TIME TABLE (2022-23)

Time	Friday	Saturday
11:00 am – 12:00 pm	Theory (VAS)	Theory (VAS)
12:00 pm – 2: 00 pm	Practical (SRT)	Practical (SRT)

Note: For all the students, attendance is compulsory.



Course Coordinator
Department of Mathematics



Principal
Kisan Veer Mahavidyalaya, Wai



8. Attendent Sheets:

Janata Shikshan Sanstha's

KISAN VEER MAHAVIDYALAYA, WAI

DEPARTMENT OF MATHEMATICS

CERTIFICATE COURSE IN PYTHON (2022-23)

ATTENDANCE (THEORY)

Sr. No	Roll No.	Students Name	13/01/23	20/01/23	21/01/23	21/01/23	28/01/23	3/02/23	4/02/23	10/02/23
1	2	ADSUL MANASI RAJENDRA	Manasi	Manasi	Manasi	Manasi	Manasi	Manasi	Manasi	Manasi
2	58	SHINDE ANIL KRUSHNA	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde
3	61	SHAIKH BILAL SALLAUDDIN	Bilal	Bilal	Bilal	Bilal	Bilal	Bilal	Bilal	Bilal
4	62	PAWAR PRATIK DATTATRAY	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik
5	66	THOMBARE MADHAVI DIPAK	Madhavi	Madhavi	Madhavi	Madhavi	Madhavi	Madhavi	Madhavi	Madhavi
6	77	WAKALE SARITA SHIVAJI	Sarita	Sarita	Sarita	Sarita	Sarita	Sarita	Sarita	Sarita
7	78	RAJPURE MANASI BALKRUSHNA	Manasi	Manasi	Manasi	Manasi	Manasi	Manasi	Manasi	Manasi
8	79	RAJPURE PREM JITENDRA	Prem	Prem	Prem	Prem	Prem	Prem	Prem	Prem
9	80	ANKITA MAHADEV DHANAWDE	Ankita	Ankita	Ankita	Ankita	Ankita	Ankita	Ankita	Ankita
10	81	ABOLI ARUN SUTAR	Arun	Arun	Arun	Arun	Arun	Arun	Arun	Arun
11	82	JATHAR MANSEE PRAVIN	Mansee	Mansee	Mansee	Mansee	Mansee	Mansee	Mansee	Mansee
12	91	MAHAMUNI TEJAS RAJENDRA	Tejas	Tejas	Tejas	Tejas	Tejas	Tejas	Tejas	Tejas
13	95	HOGADE SHASHIKANT DATTATRAY	Shashikant	Shashikant	Shashikant	Shashikant	Shashikant	Shashikant	Shashikant	Shashikant
14	127	PISAL DINESH ANANDA	Dinesh	Dinesh	Dinesh	Dinesh	Dinesh	Dinesh	Dinesh	Dinesh
15	128	BHOITE ARJUN RAJENDRA	Arjun	Arjun	Arjun	Arjun	Arjun	Arjun	Arjun	Arjun
16	131	BHOSALE DHANASHRI SUBODH	Dhanashri	Dhanashri	Dhanashri	Dhanashri	Dhanashri	Dhanashri	Dhanashri	Dhanashri
17	134	RAJPURE SAHIL SOMNATH	Sahil	Sahil	Sahil	Sahil	Sahil	Sahil	Sahil	Sahil

Department of Mathematics

Kisan Veer Mahavidyalaya

Wai - 412803

Janata Shikshan Sanstha's

KISAN VEER MAHAVIDYALAYA, WAI

DEPARTMENT OF MATHEMATICS
CERTIFICATE COURSE IN PYTHON (2022-23)
ATTENANCE (THEORY)

Sr. No	Roll NO.	Students Name	13/01/23	20/01/23	21/01/23	27/01/23	28/01/23	3/02/23	4/02/23	10/02/23
18	13	CHAUDHARI VINIT ASHOK	Di	Di	Di	Di	Di	Di	Di	Di
19	43	PARTI SANIKA PRADIP	Sanit	Sanit	Sanit	Sanit	Sanit	Sanit	Sanit	Sanit
20	50	SHINDE PRUTHVIRAJ PRAKASH	Kish	Kish	Kish	Kish	Kish	Kish	Kish	Kish
21	66	RAUT ANISHA SAMPAT	Prat	Prat	Prat	Prat	Prat	Prat	Prat	Prat
22	67	THORAVE PRATIK SUDHIR	Thorave	Thorave	Thorave	Thorave	Thorave	Thorave	Thorave	Thorave
23	68	JAGTAP JIVAN ATMARAM	Jagt	Jagt	Jagt	Jagt	Jagt	Jagt	Jagt	Jagt
24	72	GAIKWAD RUTIKA VITTHAL	Rut	Rut	Rut	Rut	Rut	Rut	Rut	Rut
25	88	JAGTAP AVISHKAR JEEVAN	Jagt	Jagt	Jagt	Jagt	Jagt	Jagt	Jagt	Jagt
26	89	KHARE ATHARV NANDKUMAR	Khar	Khar	Khar	Khar	Khar	Khar	Khar	Khar
27	90	KARANJE SANKET SANJAY	Kar	Kar	Kar	Kar	Kar	Kar	Kar	Kar
28	95	CHAVAN SAKSHI SUDHAKAR	Chav	Chav	Chav	Chav	Chav	Chav	Chav	Chav
29	96	WADKAR YASH MAHENDRA	Wad	Wad	Wad	Wad	Wad	Wad	Wad	Wad
30	97	SHINGATE NIRANJAN SHIVAJI	Shing	Shing	Shing	Shing	Shing	Shing	Shing	Shing
31	98	PISAL JAGANNATH KUMAR	Pisal	Pisal	Pisal	Pisal	Pisal	Pisal	Pisal	Pisal
32	104	BHOSALE OM RAVINDRA	Bhos	Bhos	Bhos	Bhos	Bhos	Bhos	Bhos	Bhos
33	121	SUNEHA RAJPUT	Sun	Sun	Sun	Sun	Sun	Sun	Sun	Sun

Head

Department of Mathematics
Kisan Veer Mahavidyalaya
Wai - 412803

Janata Shikshan Sanstha's

KISAN VEER MAHAVIDYALAYA, WAI

DEPARTMENT OF MATHEMATICS

CERTIFICATE COURSE IN PYTHON (2022-23)

ATTENDANCE (THEORY)

Sr. No	Roll NO.	Students Name	11/02/23	11/02/23	24/02/23	25/02/23	3/03/23	4/03/23	10/03/23	11/03/23
1	2	ADSUL MANASI RAJENDRA	Present	Present	Present	Present	Present	Present	Present	Present
2	58	SHINDE ANIL KRUSHNA	Present	Present	Present	Present	Present	Present	Present	Present
3	61	SHAIKH BILAL SALLAUDDIN	Present	Present	Present	Present	Present	Present	Present	Present
4	62	PAWAR PRATIK DATTATRAY	Present	Present	Present	Present	Present	Present	Present	Present
5	66	THOMBARE MADHAVI DIPAK	Present	Present	Present	Present	Present	Present	Present	Present
6	77	WAKALE SARITA SHIVAJI	Present	Present	Present	Present	Present	Present	Present	Present
7	78	RAJPURE MANASI BALKRUSHNA	Present	Present	Present	Present	Present	Present	Present	Present
8	79	RAJPURE PREM JITENDRA	Present	Present	Present	Present	Present	Present	Present	Present
9	80	ANKITA MAHADEV DHANAWDE	Present	Present	Present	Present	Present	Present	Present	Present
10	81	ABOLI ARUN SUTAR	Present	Present	Present	Present	Present	Present	Present	Present
11	82	JATHAR MANSEE PRAVIN	Present	Present	Present	Present	Present	Present	Present	Present
12	91	MAHAMUNI TEJAS RAJENDRA	Present	Present	Present	Present	Present	Present	Present	Present
13	95	HOGADE SHASHIKANT DATTATRAY	Present	Present	Present	Present	Present	Present	Present	Present
14	127	PISAL DINESH ANANDA	Present	Present	Present	Present	Present	Present	Present	Present
15	128	BHOITE ARJUN RAJENDRA	Present	Present	Present	Present	Present	Present	Present	Present
16	131	BHOSALE DHANASHRI SUBODH	Present	Present	Present	Present	Present	Present	Present	Present
17	134	RAJPURE SAHIL SOMNATH	Present	Present	Present	Present	Present	Present	Present	Present

Department of Mathematics
Kisan Veer Mahavidyalaya
Wai - 412803

Janata Shikshan Sanstha's

KISAN VEER MAHA VIDYALAYA, WAI

DEPARTMENT OF MATHEMATICS
CERTIFICATE COURSE IN PYTHON (2022-23)
ATTENDANCE (THEORY)

Sr. No	Roll NO.	Students Name	11/02/23	17/02/23	24/02/23	25/02/23	3/03/23	4/03/23	10/03/23	11/03/23
18	13	CHAUDHARI VINIT ASHOK								
19	43	PARTE SANIKA PRADIP								
20	50	SHINDE PRUTHVIRAJ PRAKASH								
21	66	RAUT ANISHA SAMPAT								
22	67	THORAVE PRATIK SUDHIR								
23	68	JAGTAP JIVAN ATMARAM								
24	72	GAIKWAD RUTIKA VITTHAL								
25	88	JAGTAP AVISHKAR JEEVAN								
26	89	KHARE ATHARV NANDKUMAR								
27	90	KARANJE SANKET SANJAY								
28	95	CHAVAN SAKSHI SUDHAKAR								
29	96	WADKAR YASH MAHENDRA								
30	97	SHINGATE NIRANJAN SHIVAJI								
31	98	PISAL JAGANNATH KUMAR								
32	104	BHOSALE OM RAVINDRA								
33	121	SUNEHA RAJPUT								

Head

Department of Mathematics
Kisan Veer Mahavidyalaya
Wai - 412803

Janata Shikshan Sanstha's

KISAN VEER MAHAVIDYALAYA, WAI

DEPARTMENT OF MATHEMATICS
CERTIFICATE COURSE IN PYTHON (2022-23)
ATTENDANCE (THEORY)

Sr. No	Roll NO.	Students Name	17/03/23	18/03/23	24/03/23	25/03/23	31/03/23	1/04/23	8/04/23	15/04/23
1	2	ADSUL MANASI RAJENDRA	Present	Present	Present	Present	Present	Present	Present	Present
2	58	SHINDE ANIL KRUSHNA	Present	Present	Present	Present	Present	Present	Present	Present
3	61	SHAIKH BILAL SALLAUDDIN	Present	Present	Present	Present	Present	Present	Present	Present
4	62	PAWAR PRATIK DATTATRAY	Present	Present	Present	Present	Present	Present	Present	Present
5	66	THOMBARE MADHAVI DIPAK	Present	Present	Present	Present	Present	Present	Present	Present
6	77	WAKALE SARITA SHIVAJI	Present	Present	Present	Present	Present	Present	Present	Present
7	78	RAJPURE MANASI BALKRUSHNA	Present	Present	Present	Present	Present	Present	Present	Present
8	79	RAJPURE PREM JITENDRA	Present	Present	Present	Present	Present	Present	Present	Present
9	80	ANKITA MAHADEV DHANAWDE	Present	Present	Present	Present	Present	Present	Present	Present
10	81	ABOLI ARUN SUTAR	Present	Present	Present	Present	Present	Present	Present	Present
11	82	JATHAR MANSEE PRAVIN	Present	Present	Present	Present	Present	Present	Present	Present
12	91	MAHAMUNI TEJAS RAJENDRA	Present	Present	Present	Present	Present	Present	Present	Present
13	95	HOGADE SHASHIKANT DATTATRAY	Present	Present	Present	Present	Present	Present	Present	Present
14	127	PISAL DINESH ANANDA	Present	Present	Present	Present	Present	Present	Present	Present
15	128	BHOITE ARJUN RAJENDRA	Present	Present	Present	Present	Present	Present	Present	Present
16	131	BHOSALE DHANASHRI SUBODH	Present	Present	Present	Present	Present	Present	Present	Present
17	134	RAJPURE SAHIL SOMNATH	Present	Present	Present	Present	Present	Present	Present	Present

Department of Mathematics
Kisan Veer Mahavidyalaya
Wai - 412903

Janata Shikshan Sanstha's

KISAN VEER MAHAVIDYALAYA, WAI

DEPARTMENT OF MATHEMATICS

CERTIFICATE COURSE IN PYTHON (2022-23)

ATTENANCE (THEORY)

Sr. No	Roll NO.	Students Name	17/03/23	18/03/23	24/03/23	25/03/23	31/03/23	1/04/23	8/04/23	15/04/23
18	13	CHAUDHARI VINIT ASHOK	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr
19	43	PARTE SANIKA PRADIP	Sanitap	Sanitap	Sanitap	Sanitap	Sanitap	Sanitap	Sanitap	Sanitap
20	50	SHINDE PRUTHVIRAJ PRAKASH	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde
21	66	RAUT ANISHA SAMPAT	Prant	Prant	Prant	Prant	Prant	Prant	Prant	Prant
22	67	THORAVE PRATIK SUDHIR	Thorave	Thorave	Thorave	Thorave	Thorave	Thorave	Thorave	Thorave
23	68	JAGTAP JIVAN ATMARAM	Jagtap	Jagtap	Jagtap	Jagtap	Jagtap	Jagtap	Jagtap	Jagtap
24	72	GAIKWAD RUTIKA VITTHAL	Rgt	Rgt	Rgt	Rgt	Rgt	Rgt	Rgt	Rgt
25	88	JAGTAP AVISHKAR JEEVAN	Jagt	Jagt	Jagt	Jagt	Jagt	Jagt	Jagt	Jagt
26	89	KHARE ATHARV NANDKUMAR	Khare	Khare	Khare	Khare	Khare	Khare	Khare	Khare
27	90	KARANJE SANKET SANJAY	Kar	Kar	Kar	Kar	Kar	Kar	Kar	Kar
28	95	CHAVAN SAKSHI SUDHAKAR	Chav	Chav	Chav	Chav	Chav	Chav	Chav	Chav
29	96	WADKAR YASH MAHENDRA	Wad	Wad	Wad	Wad	Wad	Wad	Wad	Wad
30	97	SHINGATE NIRANJAN SHIVAJI	Shing	Shing	Shing	Shing	Shing	Shing	Shing	Shing
31	98	PISAL JAGANNATH KUMAR	Pisal	Pisal	Pisal	Pisal	Pisal	Pisal	Pisal	Pisal
32	104	BHOSALE OM RAVINDRA	Bhos	Bhos	Bhos	Bhos	Bhos	Bhos	Bhos	Bhos
33	121	SUNEHA RAJPUT	Sun	Sun	Sun	Sun	Sun	Sun	Sun	Sun

Head

Department of Mathematics
Kisan Veer Mahavidyalaya
Wai - 412803

Janata Shikshan Sanstha's

KISAN VEER MAHAVIDYALAYA, WAI

DEPARTMENT OF MATHEMATICS
CERTIFICATE COURSE IN PYTHON (2022-23)
ATTENDANCE (THEORY)

Sr. No	Roll NO.	Students Name	21/04/23	28/04/23	29/04/23	6/05/23	12/05/23	13/05/23	15/05/23	16/05/23
1	2	ADSUL MANASI RAJENDRA	Present	Present	Present	Present	Present	Present	Present	Present
2	58	SHINDE ANIL KRUSHNA	Present	Present	Present	Present	Present	Present	Present	Present
3	61	SHAIKH BILAL SALLAUDDIN	Present	Present	Present	Present	Present	Present	Present	Present
4	62	PAWAR PRATIK DATTATRAY	Present	Present	Present	Present	Present	Present	Present	Present
5	66	THOMBARE MADHAVI DIPAK	Present	Present	Present	Present	Present	Present	Present	Present
6	77	WAKALE SARITA SHIVAJI	Present	Present	Present	Present	Present	Present	Present	Present
7	78	RAJPURE MANASI BALKRUSHNA	Present	Present	Present	Present	Present	Present	Present	Present
8	79	RAJPURE PREM JITENDRA	Present	Present	Present	Present	Present	Present	Present	Present
9	80	ANKITA MAHADEV DHANAWDE	Present	Present	Present	Present	Present	Present	Present	Present
10	81	ABOLI ARUN SUTAR	Present	Present	Present	Present	Present	Present	Present	Present
11	82	JATHAR MANSEE PRAVIN	Present	Present	Present	Present	Present	Present	Present	Present
12	91	MAHAMUNI TEJAS RAJENDRA	Present	Present	Present	Present	Present	Present	Present	Present
13	95	HOGADE SHASHIKANT DATTATRAY	Present	Present	Present	Present	Present	Present	Present	Present
14	127	PISAL DINESH ANANDA	Present	Present	Present	Present	Present	Present	Present	Present
15	128	BHOITE ARJUN RAJENDRA	Present	Present	Present	Present	Present	Present	Present	Present
16	131	BHOSALE DHANASHRI SUBODH	Present	Present	Present	Present	Present	Present	Present	Present
17	134	RAJPURE SAHIL SOMNATH	Present	Present	Present	Present	Present	Present	Present	Present

Department of Mathematics
Kisan Veer Mahavidyalaya
Wai - 412803

Janata Shikshan Sanstha's

KISAN VEER MAHAVIDYALAYA, WAI

DEPARTMENT OF MATHEMATICS
CERTIFICATE COURSE IN PYTHON (2022-23)
ATTENANCE (THEORY)

Sr. No.	Roll No.	Students Name	21/04/23	28/04/23	29/04/23	06/05/23	12/05/23	13/05/23	15/05/23	16/05/23
18	13	CHAUDHARI VINIT ASHOK	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr
19	43	PARTI SANIKA PRADIP	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr
20	50	SHINDE PRUTHVIRAJ PRAKASH	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr
21	66	RAUT ANISHA SAMPAT	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr
22	67	THORAVE PRATIK SUDHIR	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr
23	68	JAGTAP JIVAN ATMARAM	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr
24	72	GAIKWAD RUTIKA VITTHAL	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr
25	88	JAGTAP AVISHIKAR JEEVAN	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr
26	89	KHARE ATHARV NANDKUMAR	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr
27	90	KARANJE SANKET SANJAY	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr
28	95	CHAVAN SAKSHI SUDHAKAR	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr
29	96	WADKAR YASH MAHENDRA	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr
30	97	SHINGATE NIRANJAN SHIVAJI	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr
31	98	PISAL JAGANNATH KUMAR	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr
32	104	BHOSALE OM RAVINDRA	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr
33	121	SUNEHA RAJPUT	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr

Head

Department of Mathematics
Kisan Veer Mahavidyalaya
Wai - 412803

Janata Shikshan Sanstha's

KISAN VEER MAHAVIDYALAYA, WAI

DEPARTMENT OF MATHEMATICS

CERTIFICATE COURSE IN PYTHON (2022-23)

ATTENANCE (PRACTICAL)

Sr. No	Roll NO.	Students Name	13/10/23	20/10/23	21/10/23	27/10/23	28/10/23	3/10/23	4/10/23	10/10/23
1	2	ADSUL MANASI RAJENDRA	Present	Present	Present	Present	Present	Present	Present	Present
2	58	SHINDE ANIL KRUSHNA	Present	Present	Present	Present	Present	Present	Present	Present
3	61	SHAIKH BILAL SALLAUDDIN	Present	Present	Present	Present	Present	Present	Present	Present
4	62	PAWAR PRATIK DATTATRAY	AB	Present	Present	Present	Present	Present	Present	Present
5	66	THOMBARE MADHAVI DIPAK	Present	Present	Present	Present	Present	Present	Present	Present
6	77	WAKALE SARITA SHIVAJI	Present	Present	Present	Present	Present	Present	Present	Present
7	78	RAJPURE MANASI BALKRUSHNA	Present	Present	Present	Present	Present	Present	Present	Present
8	79	RAJPURE PREM JITENDRA	Present	Present	Present	Present	Present	Present	Present	Present
9	80	ANKITA MAHADEV DHANAWDE	Present	Present	Present	Present	Present	Present	Present	Present
10	81	ABOLI ARUN SUTAR	Present	Present	Present	Present	Present	Present	Present	Present
11	82	JATHAR MANSEE PRAVIN	Present	Present	Present	Present	Present	Present	Present	Present
12	91	MAHAMUNI TEJAS RAJENDRA	Present	Present	Present	Present	Present	Present	Present	Present
13	95	HOGADE SHASHIKANT DATTATRAY	Present	Present	Present	Present	Present	Present	Present	Present
14	127	PISAL DINESH ANANDA	Present	Present	Present	Present	Present	Present	Present	Present
15	128	BHOITE ARJUN RAJENDRA	Present	Present	Present	Present	Present	Present	Present	Present
16	131	BHOSALE DHANASHRI SUBODH	Present	Present	Present	Present	Present	Present	Present	Present
17	134	RAJPURE SAHIL SOMNATH	Present	Present	Present	Present	Present	Present	Present	Present

Department of Mathematics

Kisan Veer Mahavidyalaya

Wai - 412803

Janata Shikshan Sanstha's

KISAN VEER MAHAVIDYALAYA, WAI

DEPARTMENT OF MATHEMATICS
CERTIFICATE COURSE IN PYTHON (2022-23)
ATTENDANCE (PRACTICAL)

Sr. No	Roll No.	Students Name	13/10/23	20/10/23	21/10/23	28/10/23	3/10/23	4/10/23	10/10/23
18	13	CHAUDHARI VINIT ASHOK	AB	AB	AB	AB	AB	AB	AB
19	43	PARTI SANIKA PRADIP	AB	AB	AB	AB	AB	AB	AB
20	50	SHINDE PRUTHVIRAJ PRAKASH	AB	AB	AB	AB	AB	AB	AB
21	66	RAUT ANISHA SAMPAT	AB	AB	AB	AB	AB	AB	AB
22	67	THORAVE PRATIK SUDHIR	AB	AB	AB	AB	AB	AB	AB
23	68	JAGTAP JIVAN ATMARAM	AB	AB	AB	AB	AB	AB	AB
24	72	GAIKWAD RUTIKA VITTHAL	AB	AB	AB	AB	AB	AB	AB
25	88	JAGTAP AVISHKAR JEEVAN	AB	AB	AB	AB	AB	AB	AB
26	89	KHARE ATHARV NANDKUMAR	AB	AB	AB	AB	AB	AB	AB
27	90	KARANJE SANKET SANJAY	AB	AB	AB	AB	AB	AB	AB
28	95	CHAVAN SAKSHI SUDHAKAR	AB	AB	AB	AB	AB	AB	AB
29	96	WADKAR YASH MAHENDRA	AB	AB	AB	AB	AB	AB	AB
30	97	SHINGATE NIRANJAN SHIVAJI	AB	AB	AB	AB	AB	AB	AB
31	98	PISAL JAGANNATH KUMAR	AB	AB	AB	AB	AB	AB	AB
32	104	BHOSALE OM RAVINDRA	AB	AB	AB	AB	AB	AB	AB
33	121	SUNEHA RAJPUT	AB	AB	AB	AB	AB	AB	AB

Head
Department of Mathematics
Kisan Veer Mahavidyalaya
Wai - 412903

Janata Shikshan Sanstha's

KISAN VEER MAHAVIDYALAYA, WAI

DEPARTMENT OF MATHEMATICS

CERTIFICATE COURSE IN PYTHON (2022-23)

ATTENDANCE (PRACTICAL)

Sr. No	Roll NO.	Students Name	11/02/23	17/02/23	24/02/23	25/02/23	3/03/23	4/03/23	10/03/23	11/03/23
1	2	ADSUL MANASI RAJENDRA	Present	Present	Present	Present	Present	Present	Present	Present
2	58	SHINDE ANIL KRUSHNA	Present	Present	Present	Present	Present	Present	Present	Present
3	61	SHAIKH BILAL SALLAUDDIN	Present	Present	Present	Present	Present	Present	Present	Present
4	62	PAWAR PRATIK DATTATRAY	Present	Present	Present	Present	Present	Present	Present	Present
5	66	THOMBARE MADHAVI DIPAK	Present	Present	Present	Present	Present	Present	Present	Present
6	77	WAKALE SARITA SHIVAJI	Present	Present	Present	Present	Present	Present	Present	Present
7	78	RAJPURE MANASI BALKRUSHNA	Present	Present	Present	Present	Present	Present	Present	Present
8	79	RAJPURE PREM JITENDRA	Present	Present	Present	Present	Present	Present	Present	Present
9	80	ANKITA MAHADEV DHANAWDE	Present	Present	Present	Present	Present	Present	Present	Present
10	81	ABOLI ARUN SUTAR	Present	Present	Present	Present	Present	Present	Present	Present
11	82	JATHAR MANSEE PRAVIN	Present	Present	Present	Present	Present	Present	Present	Present
12	91	MAHAMUNI TEJAS RAJENDRA	Present	Present	Present	Present	Present	Present	Present	Present
13	95	HOGADE SHASHIKANT DATTATRAY	Present	Present	Present	Present	Present	Present	Present	Present
14	127	PISAL DINESH ANANDA	Present	Present	Present	Present	Present	Present	Present	Present
15	128	BHOITE ARJUN RAJENDRA	Present	Present	Present	Present	Present	Present	Present	Present
16	131	BHOSALE DHANASHRI SUBODH	Present	Present	Present	Present	Present	Present	Present	Present
17	134	RAJPURE SAHIL SOMNATH	Present	Present	Present	Present	Present	Present	Present	Present

Department of Mathematics

Kisan Veer Mahavidyalaya

Wai - 412803

KISAN VEER MAHAVIDYALAYA, WAI

DEPARTMENT OF MATHEMATICS
 CERTIFICATE COURSE IN PYTHON (2022-23)
 ATTENANCE (PRACTICAL)

Sr. No	Roll NO.	Students Name	11/02/23	17/02/23	24/02/23	25/02/23	31/03/23	4/03/23	10/03/23	11/03/23
18	13	CHAUDHARI VINIT ASHOK	AB	AB	AB	AB	AB	AB	AB	AB
19	43	PARTI SANIKA PRADIP	AB	AB	AB	AB	AB	AB	AB	AB
20	50	SHINDE PRUTHVIRAJ PRAKASH	AB	AB	AB	AB	AB	AB	AB	AB
21	56	RAUT ANISHA SAMPAT	AB	AB	AB	AB	AB	AB	AB	AB
22	67	THORAVE PRATIK SUDHIR	AB	AB	AB	AB	AB	AB	AB	AB
23	68	JAGTAP JIVAN ATMARAM	AB	AB	AB	AB	AB	AB	AB	AB
24	72	GAIKWAD RUTIKA VITTHAL	AB	AB	AB	AB	AB	AB	AB	AB
25	88	JAGTAP AVISHKAR JEEVAN	AB	AB	AB	AB	AB	AB	AB	AB
26	89	KHARE ATHARV NANDKUMAR	AB	AB	AB	AB	AB	AB	AB	AB
27	90	KARANJE SANKET SANJAY	AB	AB	AB	AB	AB	AB	AB	AB
28	95	CHAVAN SAKSHI SUDHAKAR	AB	AB	AB	AB	AB	AB	AB	AB
29	96	WADKAR YASH MAHENDRA	AB	AB	AB	AB	AB	AB	AB	AB
30	97	SHINGATE NIRANJAN SHIVAJI	AB	AB	AB	AB	AB	AB	AB	AB
31	98	PISAL JAGANNATH KUMAR	AB	AB	AB	AB	AB	AB	AB	AB
32	104	BHOSALE OM RAVINDRA	AB	AB	AB	AB	AB	AB	AB	AB
33	121	SUNEHA RAJPUT	AB	AB	AB	AB	AB	AB	AB	AB

Head

Department of Mathematics
 Kisan Veer Mahavidyalaya
 Wai - 412803

Janata Shikshan Sanstha's

KISAN VEER MAHA VIDYALAYA, WAI

DEPARTMENT OF MATHEMATICS
CERTIFICATE COURSE IN PYTHON (2022-23)
ATTENANCE (PRACTICAL)

Sr. No	Roll NO.	Students Name	11/03/23	18/03/23	24/03/23	25/03/23	31/03/23	10/4/23	8/04/23	15/04/23
1	2	ADSUL MANASI RAJENDRA	Present	Present	Present	Present	Present	Present	Present	Present
2	58	SHINDE ANIL KRUSHNA	Present	Present	Present	Present	Present	Present	Present	Present
3	61	SHAIKH BILAL SALLAUDDIN	Present	Present	Present	Present	Present	Present	Present	Present
4	62	PAWAR PRATIK DATTATRAY	Present	Present	Present	Present	Present	Present	Present	Present
5	66	THOMBARE MADHAVI DIPAK	Present	Present	Present	Present	Present	Present	Present	Present
6	77	WAKALE SARITA SHIVAJI	Present	Present	Present	Present	Present	Present	Present	Present
7	78	RAJPURE MANASI BALKRUSHNA	Present	Present	Present	Present	Present	Present	Present	Present
8	79	RAJPURE PREM JITENDRA	Present	Present	Present	Present	Present	Present	Present	Present
9	80	ANKITA MAHADEV DHANAWDE	Present	Present	Present	Present	Present	Present	Present	Present
10	81	ABOLI ARUN SUTAR	Present	Present	Present	Present	Present	Present	Present	Present
11	82	JATHAR MANSEE PRAVIN	Present	Present	Present	Present	Present	Present	Present	Present
12	91	MAHAMUNI TEJAS RAJENDRA	Present	Present	Present	Present	Present	Present	Present	Present
13	95	HOGADE SHASHIKANT DATTATRAY	Present	Present	Present	Present	Present	Present	Present	Present
14	127	PISAL DINESH ANANDA	Present	Present	Present	Present	Present	Present	Present	Present
15	128	BHOITE ARJUN RAJENDRA	Present	Present	Present	Present	Present	Present	Present	Present
16	131	BHOSALE DHANASHRI SUBODH	Present	Present	Present	Present	Present	Present	Present	Present
17	134	RAJPURE SAHIL SOMNATH	Present	Present	Present	Present	Present	Present	Present	Present

Department of Mathematics
Kisan Veer Mahavidyalaya
Wai - 412803

Janata Shikshan Sanstha's

KISAN VEER MAHAVIDYALAYA, WAI

DEPARTMENT OF MATHEMATICS

CERTIFICATE COURSE IN PYTHON (2022-23)

ATTENDANCE (PRACTICAL)

Sr. No	Roll NO.	Students Name	17/03/23	18/03/23	24/03/23	25/03/23	31/03/23	1/04/23	8/04/23	15/04/23
18	13	CHAUDHARI VINIT ASHOK	AB	AB	AB	AB	AB	AB	AB	AB
19	43	PARTI SANIKA PRADIP	AB	AB	AB	AB	AB	AB	AB	AB
20	50	SHINDE PRUTHVIRAJ PRAKASH	AB	AB	AB	AB	AB	AB	AB	AB
21	66	RAUT ANISHA SAMPAT	AB	AB	AB	AB	AB	AB	AB	AB
22	67	THORAVE PRATIK SUDHIR	AB	AB	AB	AB	AB	AB	AB	AB
23	68	JAGTAP JIVAN ATMARAM	AB	AB	AB	AB	AB	AB	AB	AB
24	72	GAIKWAD RUTIKA VITTHAL	AB	AB	AB	AB	AB	AB	AB	AB
25	88	JAGTAP AVISHKAR JEEVAN	AB	AB	AB	AB	AB	AB	AB	AB
26	89	KHARE ATHARV NANDKUMAR	AB	AB	AB	AB	AB	AB	AB	AB
27	90	KARANJE SANKET SANJAY	AB	AB	AB	AB	AB	AB	AB	AB
28	95	CHAVAN SAKSHI SUDHAKAR	AB	AB	AB	AB	AB	AB	AB	AB
29	96	WADKAR YASH MAHENDRA	AB	AB	AB	AB	AB	AB	AB	AB
30	97	SHINGATE NIRANJAN SHIVAJI	AB	AB	AB	AB	AB	AB	AB	AB
31	98	PISAL JAGANNATH KUMAR	AB	AB	AB	AB	AB	AB	AB	AB
32	104	BHOSALE OM RAVINDRA	AB	AB	AB	AB	AB	AB	AB	AB
33	121	SUNEHA RAJPUT	AB	AB	AB	AB	AB	AB	AB	AB

for
Head

Department of Mathematics
Kisan Veer Mahavidyalaya
Wai - 412803

Janata Shikshan Sanstha's

KISAN VEER MAHA VIDYALAYA, WAI

DEPARTMENT OF MATHEMATICS

CERTIFICATE COURSE IN PYTHON (2022-23)

ATTENANCE (PRACTICAL)

Sr. No	Roll NO.	Students Name	21/04/23	28/04/23	29/04/23	06/05/23	12/05/23	13/05/23	15/05/23	16/05/23
1	2	ADSUL MANASI RAJENDRA	P	P	P	P	P	P	P	P
2	58	SHINDE ANIL KRUSHNA	P	P	P	P	P	P	P	P
3	61	SHAIKH BILAL SALLAUDDIN	P	P	P	P	P	P	P	P
4	62	PAWAR PRATIK DATTATRAY	P	P	P	P	P	P	P	P
5	66	THOMBARE MADHAVI DIPAK	P	P	P	P	P	P	P	P
6	77	WAKALE SARITA SHIVAJI	P	P	P	P	P	P	P	P
7	78	RAJPURE MANASI BALKRUSHNA	P	P	P	P	P	P	P	P
8	79	RAJPURE PREM JITENDRA	P	P	P	P	P	P	P	P
9	80	ANKITA MAHADEV DHANAWDE	P	P	P	P	P	P	P	P
10	81	ABOLI ARUN SUTAR	P	P	P	P	P	P	P	P
11	82	JATHAR MANSEE PRAVIN	P	P	P	P	P	P	P	P
12	91	MAHAMUNI TEJAS RAJENDRA	P	P	P	P	P	P	P	P
13	95	HOGADE SHASHIKANT DATTATRAY	P	P	P	P	P	P	P	P
14	127	PISAL DINESH ANANDA	P	P	P	P	P	P	P	P
15	128	BHOITE ARJUN RAJENDRA	P	P	P	P	P	P	P	P
16	131	BHOSALE DHANASHRI SUBODH	P	P	P	P	P	P	P	P
17	134	RAJPURE SAHIL SOMNATH	P	P	P	P	P	P	P	P

Department of Mathematics
Kisan Veer Mahavidyalaya
Wai - 412803

KISAN VEER MAHAVIDYALAYA, WAI

DEPARTMENT OF MATHEMATICS

CERTIFICATE COURSE IN PYTHON (2022-23)

ATTENANCE (PRACTICAL)

Sr. No	Roll NO.	Students Name	21/04/23	28/04/23	29/04/23	6/05/23	12/05/23	13/05/23	15/05/23	16/05/23
18	13	CHAUDHARI VINIT ASHOK	AB	AB	AB	AB	AB	AB	AB	AB
19	43	PARTI SANIKA PRADIP	AB	AB	AB	AB	AB	AB	AB	AB
20	50	SHINDE PRUTHVIRAJ PRAKASH	AB	AB	AB	AB	AB	AB	AB	AB
21	66	RAUT ANISHA SAMPAT	AB	AB	AB	AB	AB	AB	AB	AB
22	67	THORAVE PRATIK SUDHIR	AB	AB	AB	AB	AB	AB	AB	AB
23	68	JAGTAP JIVAN ATMARAM	AB	AB	AB	AB	AB	AB	AB	AB
24	72	GAIKWAD RUTIKA VITTHAL	AB	AB	AB	AB	AB	AB	AB	AB
25	88	JAGTAP AVISHKAR JEEVAN	AB	AB	AB	AB	AB	AB	AB	AB
26	89	KHARE ATHARV NANDKUMAR	AB	AB	AB	AB	AB	AB	AB	AB
27	90	KARANJE SANKET SANJAY	AB	AB	AB	AB	AB	AB	AB	AB
28	95	CHAVAN SAKSHI SUDHAKAR	AB	AB	AB	AB	AB	AB	AB	AB
29	96	WADKAR YASH MAHENDRA	AB	AB	AB	AB	AB	AB	AB	AB
30	97	SHINGATE NIRANJAN SHIVAJI	AB	AB	AB	AB	AB	AB	AB	AB
31	98	PISAL JAGANNATH KUMAR	AB	AB	AB	AB	AB	AB	AB	AB
32	104	BHOSALE OM RAVINDRA	AB	AB	AB	AB	AB	AB	AB	AB
33	121	SUNEHA RAJPUT	AB	AB	AB	AB	AB	AB	AB	AB

Head

Department of Mathematics
Kisan Veer Mahavidyalaya
Wai - 412803

9. Result of the Course:


Janata Shikshan Sanstha's
Kisan Veer Mahavidyalaya Wai

Department of Mathematics
Examination: Certificate Course in Python (2022-23)
Marksheet


Time: 8:00 am to 11:00 am

Date: 20/05/2023

Sr. No	Roll No	Name of the Student	Marks
1	2	ADSUL MANASI RAJENDRA	50
2	58	SHINDE ANIL KRUSHNA	50
3	61	SHAIKH BILAL SALLAUDDIN	47
4	62	PAWAR PRATIK DATTATRAY	45
5	66	THOMBARE MADHAVI DIPAK	49
6	77	WAKALE SARITA SHIVAJI	50
7	78	RAJPURE MANASI BALKRUSHNA	48
8	79	RAJPURE PREM JITENDRA	47
9	80	ANKITA MAHADEV DHANAWDE	49
10	81	ABOLI ARUN SUTAR	48
11	82	JATHAR MANSEE PRAVIN	49
12	91	MAHAMUNI TEJAS RAJENDRA	40
13	95	HOGADE SHASHIKANT DATTATRAY	49
14	127	PISAL DINESH ANANDA	49
15	128	BHOITE ARJUN RAJENDRA	40
16	131	BHOSALE DHANASHRI SUBODH	49
17	134	RAJPURE SAHIL SOMNATH	48
18	13	CHAUDHARI VINIT ASHOK	38
19	43	PARTE SANIKA PRADIP	48
20	50	SHINDE PRUTHVIRAJ PRAKASH	39
21	66	RAUT ANISHA SAMPAT	45
22	67	THORAVE PRATIK SUDHIR	35
23	68	JAGTAP JIVAN ATMARAM	36
24	72	GAIKWAD RUTIKA VITTHAL	40
25	88	JAGTAP AVISHKAR JEEVAN	41
26	89	KHARE ATHARV NANDKUMAR	44
27	90	KARANJE SANKET SANJAY	48
28	95	CHAVAN SAKSHI SUDHAKAR	43
29	96	WADKAR YASH MAHENDRA	39
30	97	SHINGATE NIRANJAN SHIVAJI	40
31	98	PISAL JAGANNATH KUMAR	42
32	104	BHOSALE OM RAVINDRA	38
33	121	SUNEHA RAJPUT	48


Head
Department of Mathematics
Kisan Veer Mahavidyalaya
Wai - 412803

10. One Sample Certificate of the pass

	<p>Janata Shikshan Sanstha's</p> <p>Kisan Veer Mahavidyalaya, Wai</p> <p>Department of Mathematics</p>	
<p>This is to certify that Mr. Shinde Anil Krushna of B. Sc. III (Mathematics) class has completed successfully Certificate Course in Python conducted by Department of Mathematics,</p> <p>Kisan Veer Mahavidyalaya, Wai for the Academic year 2022-23 and obtained Grade "A".</p>		
 <p>Co-ordinator Head, Department of Mathematics Kisan Veer Mahavidyalaya, Wai</p>	 <p>Principal Kisan Veer Mahavidyalaya, Wai</p>	

11. Geotagged Photo

