

Janata Shikshan Sanstha's  
KISAN VEER MAHAVIDYALAYA, WAI  
DEPARTMENT OF MATHEMATICS

**Profile of the Department from 2018 onward**

<b>About Us</b>	<b>Year of Establishment</b>	June, 1982	
	<b>Strength of Faculty</b>	03	
	<b>Faculty with Ph.D. / M.Phil</b>	01	
	<b>Faculty with NET / SET</b>	03	
	<b>Name of Faculty</b>	1. Dr. S. R. Tate 2. Mrs. V.A. Sawant 3. Miss. S.R. Malwade	
		<b>2019-20</b>	
		B.Sc.I	91
		B.Sc.II	94
		B.Sc.III	02
		<b>2020-21</b>	
		B.Sc.I	113
		B.Sc.II	80
		B.Sc.III	12
		<b>2021-22</b>	
		B.Sc.I	74
		B.Sc.II	84
		B.Sc.III	05
	<b>2022-23</b>		
	B.Sc.I	61	
	B.Sc.II	47	
	B.Sc.III	17	

**MISSION**

Provide the quality mathematics education for every student.

**VISION**

Development of analytical and logical thinking among students.

**OBJECTIVES**

- 1) To educate students with basic concepts in mathematics and update them according to the knowledge of mathematics with computer applications
- 2) To encourage the students for research work and further higher studies in mathematics.
- 3) To inculcate in students the ability to apply mathematical and computational skills to model, formulate and solve real life applications.

## INFRASTRUCTURE OF THE DEPARTMENT :

- Staff Room: 484.62 sq.ft
- Two Laboratories:
  - Computer Laboratory: 484.62 sq.ft
  - Computational Mathematical Laboratory: 484.62 sq.ft

## ICT FACILITIES & OTHER LEARNING RECOURSES :

1. Computers : 23
2. Calculators :46
3. Printers : 01
4. Scanner : 01
5. Printer with Scanner : 01
6. LCD Projector : 01
7. Internet Facility
8. Departmental Library

## EXPERT TALKS DELIVERED BY THE FACULTY :

- 1) A lecture on “**Sci-Lab and C++**” on 8<sup>th</sup> Sept 2018, in Rajendra Mahavidyalaya, Khandala.
- 2) A lecture on "**Symbolic Logic**" in Raja Shripatrao Bhagwantrao Mahavidyalaya, Aundh on 7<sup>th</sup> April 2018.
- 3) A lecture on “**Introduction to Sci-Lab**” on 18th September, 2019, in Sushila Shankarrao Gadhave Mahavidyalaya, Khandala.

## COURSES (REGULAR)

Class	Semester	Title of Paper	Paper No.	Marks	Syllabus Introduced Year
B.Sc. Part I Mathematics	Semester-I	Differential calculus	DSC – 5A	50	CBCS Pattern June 2018 -June 2022
		Calculus	DSC – 6A	50	
	Semester-II	Differential equations	DSC – 5B	50	
		Higher order ordinary differential Equations and partial order differential equations	DSC – 6B	50	
	Practical	Core Course Practical in Mathematics-I		50	
B.Sc. Part I Mathematics	Semester I	Calculus	DSC-A5	50	NEP 2020 From Academic Year 2022-23
		Differential Equations	DSC-A6	50	
	Semester-II	Multivariable Calculus	DSC-B5	50	
		Basic Algebra	DSC-B6	50	
	Practical	Core Course Practical in Mathematics-I		50	
B.Sc. Part II Mathematics	Semester-III	Real Analysis–I	DSC – 5C	50	CBCS Pattern June, 2019 June 2022
		Algebra–I	DSC – 6C	50	

	<b>Semester-IV</b>	Real Analysis – II	DSC – 5D	50	
		Algebra-II	DSC – 6D	50	
	<b>Practical</b>	Core Course Practical in Mathematics – II (Analysis I & II and Algebra I & II)		50	
	<b>Practical</b>	Core Course Practical in Mathematics – III (Numerical Recipes in Scilab)		50	
<b>B.Sc. Part III Mathematics</b>	<b>Semester - V</b>	Mathematical Analysis	DSE E9	50	
		Abstract Algebra	DSE E10	50	
		Optimization Techniques	DSE E11	50	
		Integral Transforms	DSE E12	50	
	<b>Semester VI</b>	Metric Spaces	DSE F9	50	
		Linear Algebra	DSE F10	50	
		Complex Analysis	DSE F11	50	
		Discrete Mathematics	DSE F12	50	
	<b>Practical</b>	Core Course Practical in Mathematics –IV (Operations Research)		50	
	<b>Practical</b>	Core Course Practical in Mathematics –V (Laplace and Fourier Transforms)		50	
	<b>Practical</b>	Core Course Practical in Mathematics –VI (Mathematical Computation Using Python)		50	
	<b>Practical</b>	Core Course Practical in Mathematics –VII (Project, sturdy tour, viva)		50	

CBCS Pattern  
June 2020  
onwards

### **COURSES (SELF FUNDED COURSE):**

<b>Course</b>		<b>Syllabus Introduced Year</b>
Self-Funded Course	Capsule course in Python programming	June 2021 and onwards

### **RESULTS:**

Sr. No.	Particulars	2019-20	2020-21	2021-22
1	Total Number of Students	02	12	05
2	No. of Students Appeared	02	12	04
3	No. of Students Absent	--	--	01
4				
	a) Distinction	02	07	03
	b) First Class	00	05	01
	c) Second Class	00	00	00
	d) Pass Class	00	00	00
5	No. of Students Failed	00	00	00
6	No. of Students ATKT	00	00	00
7	Percentage of Passing	100%	100%	100%

**\* Results not declared**

No. of publications	Published in UGC Recognized Journals	Other Journals	Accepted in UGC Recognized Journal
State Level			
National Level			01
International Level	10	-	01
University Level			

**NO. OF PRESENTED PAPERS:**

Conference/ Seminar/ Workshop	
State Level	
National Level	9
International Level	3
University Level	-

**NO. OF SEMINARS, CONFERENCES, SYMPOSIA AND WORKSHOPS ATTENDED:**

State Level	2
National Level	8
International Level	1
University Level	22
College Level	-

**NO. OF WEBINARS ATTENDED:**

State Level	8
National Level	22
International Level	6
University Level	3
College Level	--

**NO. OF ONLINE FACULTY DEVELOPMENT PROGRAM / SHORT TERM TRAINING PROGRAM ATTENDED: 16**

**NO. OF SWAYAM COURSE COMPLETED: 01**

**Workshop/ Guest Lectures/ Competitions  
Organized by Department**

Sr.No.	Date	Year	Activity Name	Level
1	22-12-2018	2018-19	Mathematics Day	Institutional
2	29-01-2019	2018-19	SUMs Quiz competition for B.Sc.I, II & III	Institutional
3	18-09-2019	2018-19	Guest lecture on Representation of curves in Parametric and Polar co-ordinates	Institutional
4	28-02-2019	2018-19	Guest lecture on Opportunities in Mathematics	Institutional
5	11-12-2019	2019-20	Workshop on Introduction to Scilab	Regional
6	25-02-2020	2019-20	SUMs Quiz competition for B.Sc.I, II & III	Institutional
7	10-03-2021	2020-21	A webinar on "Application and career in Mathematics"	Institutional
8	16-06-2021	2020-21	Two-Day State Level Online Workshop on Python	State
9	23-12-2021	2021-22	National Mathematics Day-2021 and Quiz Competition	Institutional
10	01-01-2022	2021-22	Guest Lecture on Career in Mathematics	Institutional
11	07-04-2022	2021-22	One Day Workshop on Mathematical Computation using Scilab	Institutional
12	28-04-2022	2021-22	Guest lecture on "Career in IT Industry"	Institutional
13	18-12-2021	2021-22	Three days workshop on Python in Future Technologies	Institutional
14	18-12-2021	2021-22	Three days workshop on Python in Future Technologies	Institutional
15	14-03-2022	2021-22	Celebration of PI Day	Institutional
16	16-03-2023	2022-23	Guest Lecture on Fun in Mathematics	Institutional
17	03-03-2023	2022-23	A Guest Lecture on Career Opportunities after Graduation in Management	Institutional
18	22-12-2022	2022-23	National Mathematics Day	Institutional
19	25-04-2023	2022-23	A Guest Lecture on Opportunities after B. Sc Mathematics	Institutional
20	17-02-2023	2022-23	One day national workshop on "Opportunities and Recent Trends in Space Science and Technology "	National

**INFRASTRUCTURE OF THE DEPARTMENT:**

- ❖ Computer Laboratory: 01
- ❖ Computational Laboratory: 01
- ❖ Staffroom: 01

**ICT Facilities & Other Learning Resources:**

- ❖ Computers : 23
- ❖ Printers : 01
- ❖ LCD Projector : 01
- ❖ Laptop : 01
- ❖ scilab software, Python Software, Latex software

Visits & Excursion Tours organized by Department	Date	Activity
	08/03/2019	A study tour for B.Sc. III to Bhilar-A Gram of books and Mala's Food Factory.
	18/03/2020	A study tour for B.Sc. III to Shivaji University, Kolhapur.
	03/05/2023	A study tour for B.Sc. III Mathematics Department & Center of Invention, Innovation and Incubation (CIII) of Yashwantrao Chavan Institute of Science, Satara.

### Student Profile According to Reservation and Gender:

Year	Class	Categories									Total	
		EWS	N.T.C.	OBC	OPEN	S.B.C.	S.C.	S.T.	N.T.B.	SEBC		V.J.A.
2022-23	B.Sc.I	4	1	5	45	1	4	1	0	0	0	61
	B.Sc.II	6	0	8	26	0	5	0	2	0	0	47
	B.Sc.III	1	1	4	10	0	1	0	0	0	0	17
2021-22	B.Sc.I	8	0	11	45	0	8	0	2	0	0	74
	B.Sc.II	1	3	18	42	1	5	0	2	10	2	84
	B.Sc.III	0	0	0	05	0	0	0	0	0	0	05
2020-21	B.Sc.I	1	6	23	51	2	9	0	4	15	2	113
	B.Sc.II	0	3	11	52	2	2	1	1	8	0	80
	B.Sc.III	0	1	2	5	0	2	0	0	1	1	12
2019-20	B.Sc.I	0	2	14	56	2	3	1	2	10	0	90
	B.Sc.II	0	1	12	58	1	4	0	0	12	0	88
	B.Sc.III	0	0	0	2	0	0	0	0	0	0	02

Year	Class	Gender	
		Male	Female
2022-23	B.Sc.I	42	19
	B.Sc.II	33	14
	B.Sc.III	9	8
2021-22	B.Sc.I	53	21
	B.Sc.II	58	26
	B.Sc.III	1	4
2020-21	B.Sc.I	73	40
	B.Sc.II	39	41
	B.Sc.III	0	12
2019-20	B.Sc.I	46	44
	B.Sc.II	33	55
	B.Sc.III	1	1