

## DEPARTMENT OF MATHEMATICS



### Contact

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Departmental Blog: [www.aracsmaths.blogspot.com](http://www.aracsmaths.blogspot.com)

### **Vision:**

To provide mathematical knowledge in business, finance and industry, in order to help develop the discipline and also the nation.

### **❖ Mission:**

To provide an environment where students can learn and become competent users of mathematics and mathematical application.

### **❖ About Department:**

Anandibai Raorane Arts, Commerce and Science College, Vaibhavwadi has rendered services to the community, by the way of providing educational facilities, particularly to the rural students.

In our college, the department of mathematics has been established in **academic year 2015-16** and students who had dreams and desire to enrich their competence in the field of mathematical sciences. We know the fact that the prosperity and progress of faculty depends on the fundamental facilities. Our faculty member always tried their level best for all round development of the department. Due to sincere efforts of Principal Dr. C.S. Kakade, today we have fundamental facilities.

It is a matter of pride to mention that our one staff member is doing Ph.D. Our staff members acquired not only good academic qualification,

but they are also ahead in extra-curricular and social activities like participation in seminars, conferences and workshops, participation in Blood Donation camp, etc.

Innovative curricular and extra-curricular activities such as Seminars, Guest Lectures, National workshops were conducted successfully. All these programmes have added a great value to our teaching and learning programme.

In our department, various activities like quiz competition, poster presentation competition, power point presentation etc. are organized.

Students of Mathematics actively participated in university level as well as district level Avishkar research competition, Poster presentation competition, organized by university of Mumbai as well as by different institutions department of Mathematics. This activity enhances scientific attitude and popularize science in the society.

### ❖ Department Faculty:

Sr. No.	Name of Faculty	Designation	Qualification
<b>Teaching Faculty</b>			
1	Miss P.M. Manjarekar	Assistant Professor	M.Sc., SET
2	Mr. V.V. Shinde	Assistant Professor	M.Sc., SET, B.Ed
<b>Non- Teaching Faculty</b>			
1	Mr. M. G. Raorane	Lab. Assistant	B.Com.
2	Mr. U. S. Raorane	Lab. Attendant	B.Com.

### ❖ Strength of Department:

Sr.No.	Academic Year	B.Sc. Part I	B.Sc. Part II	B.Sc. Part III	Total
1	2021-22	26	21	06	53
2	2022-23	28	16	05	49
3	2023-24	36	17	07	60
4	2024-25				
5	2025-26				

### ❖ Results of T.Y.B.Sc :

Sr.No	Year	No of Students		O	A <sup>+</sup>	A	B <sup>+</sup>	B	C	D	F	
1	2021-22	06	V	1	1	4	0	0	0	0	0	100%
2	2021-22	06	VI	0	1	3	1	1	0	0	0	100%
3	2022-23	05	V	0	0	1	2	0	0	0	2	60%
4	2022-23	05	VI	0	0	1	1	0	0	0	3	40%
5	2023-24	07	V	0	0	0	0	3	0	0	4	43%
6	2023-24	07	VI	0	0	0	0	4	0	0	3	57%
7	2024-25	05	V	0	0	0	2	0	1	0	2	60%
8	2024-25	05	VI	0	0	0	0	2	2	0	1	80%
9	2025-26	06	V	0	0	0	0	1	1	0	4	

## ACADEMIC YEAR 2021 TO 2025

### ❖ Departmental Rank Holders:

Sr. No.	Academic year	Sem	Name of student	Rank
1	2021-22	V	Miss. Rathod Poonam Suresh	I <sup>st</sup>
			Miss Khot Ankita Jayawant	II <sup>nd</sup>
			Mr. Mohite Dipak Prakash	III <sup>rd</sup>
2	2021-22	VI	Miss. Rathod Poonam Suresh	I <sup>st</sup>
			Miss Khot Ankita Jayawant	II <sup>nd</sup>
			Mr. Moihite Dipak Prakash	III <sup>rd</sup>
3	2022-23	V	Mr. Tambe Shudhanshu Gautam	I <sup>st</sup>
			Miss Revdekar Bhagyashree Mahadev	II <sup>nd</sup>
			Mr. Karande Pramod Balkrishna	III <sup>rd</sup>
4	2022-23	VI	Miss Revdekar Bhagyashree Mahadev	I <sup>st</sup>
			Mr. Karande Pramod Balkrishna	II <sup>nd</sup>
5	2023-24	V	Miss. Kamble Prerana Dilip	I <sup>st</sup>
			Mr. Moraye Tushar Devidas	II <sup>nd</sup>
6	2023-24	VI	Mr. Moraye Tushar Devidas	I <sup>st</sup>
			Tambe Sahil Vilas	II <sup>nd</sup>
			Parab Kajal Santosh	III <sup>rd</sup>
7	2024-25	V	Mr. Bavdane Swapnil Tukaram	I <sup>st</sup>
			Miss. Humbe Pooja Pandurang	II <sup>nd</sup>
8	2024-25	VI	Mr. Bavdane Swapnil Tukaram	I <sup>st</sup>
			Miss. Humbe Pooja Pandurang	II <sup>nd</sup>
9	2025-26	V		

## ❖ Is there any method of assessing the Student's academic performance in order to enrichment and/ or Remedial Course?

- 1) Bridge Course for F.Y.B.Sc. Students every year
- 2) Certificate Course in "Business Calculus" for academic year 2021-22 to 2024-25
- 3) E-Test Program (Online MCQ Test for FYBSc and SYBSc Students) for academic year 2021-22 to 2024-25
- 4) Class tests

## ❖ Facilities:-

### 1) Library:-

Sr.No.	Particulars	Quantity
1	Reference books in central library	50
2	Textbooks in central library	60
3	No. of books in central library	300
4	Some personal copies are kept in the department as references	15

### 2) Computer:-

- 1) Computer contains all academic data
- 2) wxMaxima, LaTeX, Turbo C++, Python softwares
- 3) Scilab

### 4) Teaching Aids:-

- 1) Video Lectures
- 2) Educational Model as Identify derivative by given function
- 3) Projector

## ❖ Achievements:-

### ❖ Avishkar Research Activity:-

1. Department student Miss.Riya Jadhav & Miss .Mrunali Patil actively participated and presented one research project in district level Avishkar research competition 2020-21 organized by Dept. of student Welfare, University of Mumbai.
2. Department student Mr. Sudhanshu Tambe, Priyanka Jethe, Nidhee Raorane actively participated and presented two research projects in district level Avishkar research competition 2022-23 and one project selected for University Level organized by Dept. of student Welfare, University of Mumbai at ARACS College, Vaibhavwadi on 20<sup>th</sup> Dec. 2022

### ❖ Extension activities

College Teaching: Faculty of the department conducts lectures on 12th STD students in various colleges:

- Delivered guest lecture on “Limits and Derivative” organized by Padmashri Dr. G. G. Jadhav Mahavidyalaya, Gaganbawada, Tal.Gaganbawada, Dist. Kolhapur on 02<sup>nd</sup> February, 2022

## ❖ Departmental Activity:

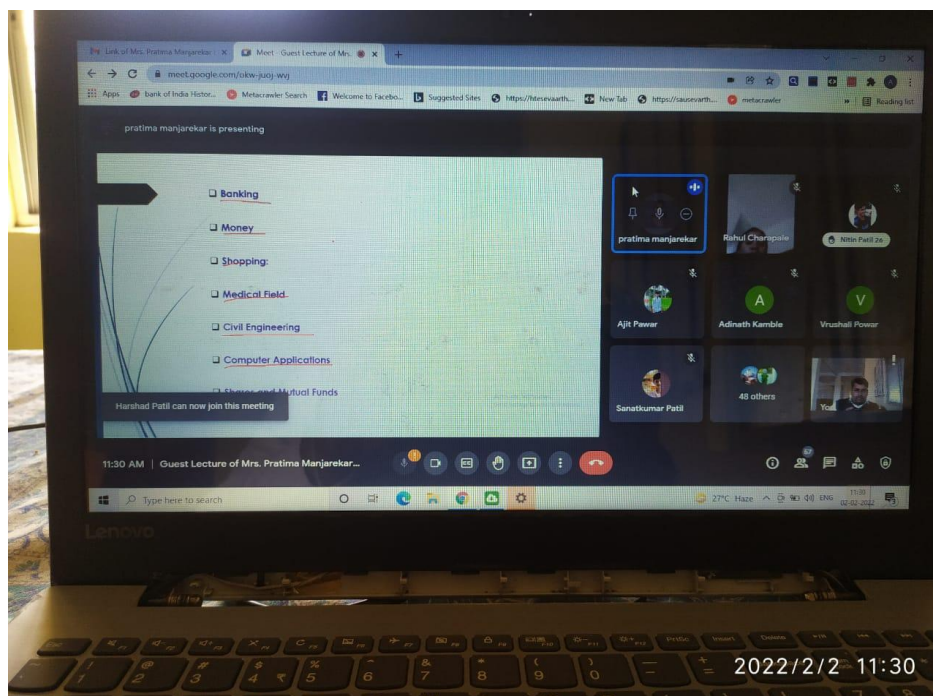
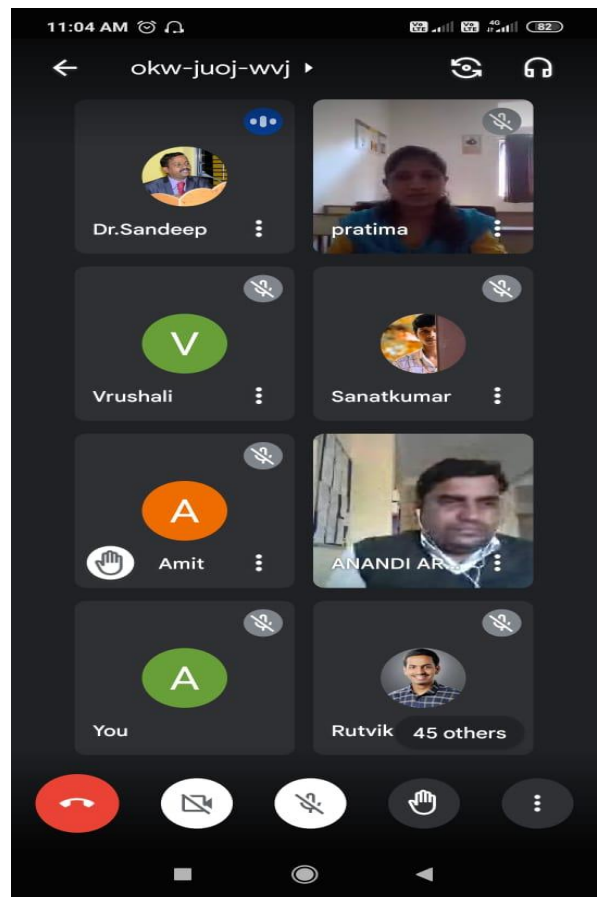
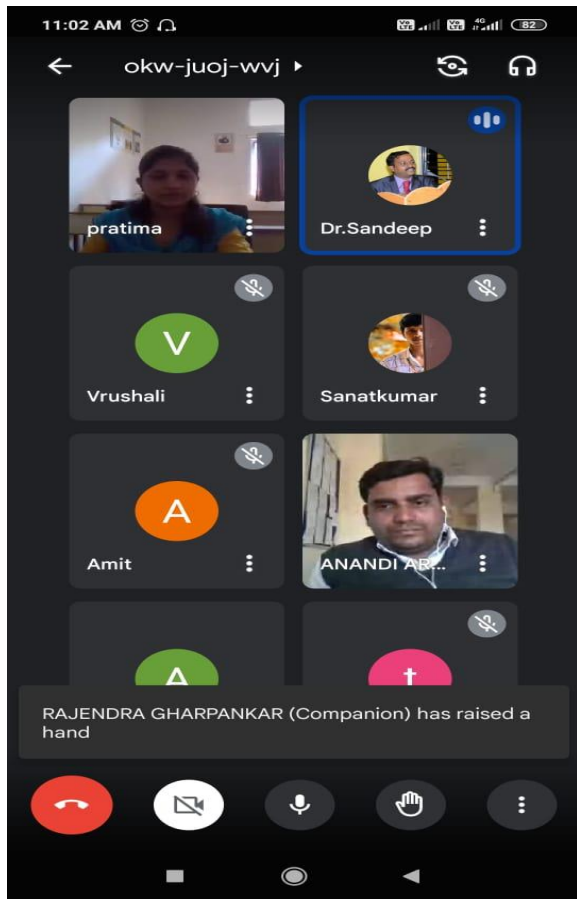
- Our department always promotes to the students for PG admission guidance and tries to help them to career guidance.
- Our department organizes various departmental activities through Science Association.
- Department also organizes Study tour, Celebration of National Mathematics day, Expert lectures, Bridge course, Seminars, Certificate courses, E-Test Program to motivate the students and to develop their skill.

## ❖ STUDY TOUR:



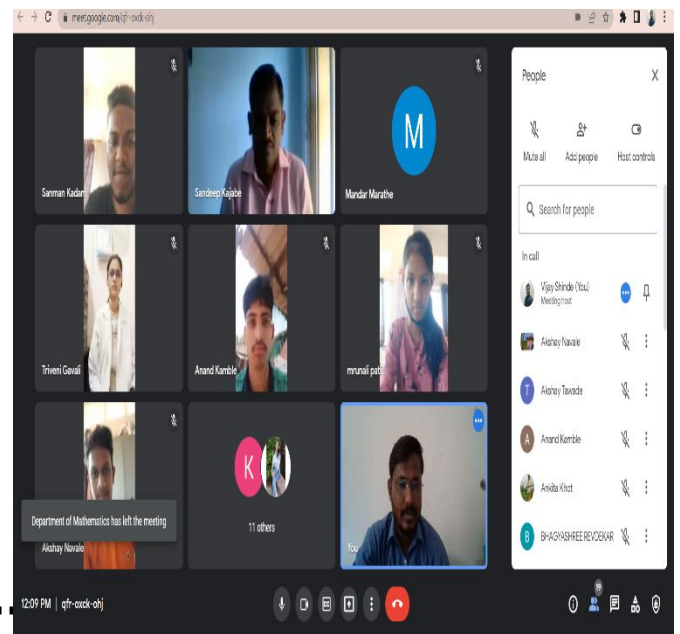
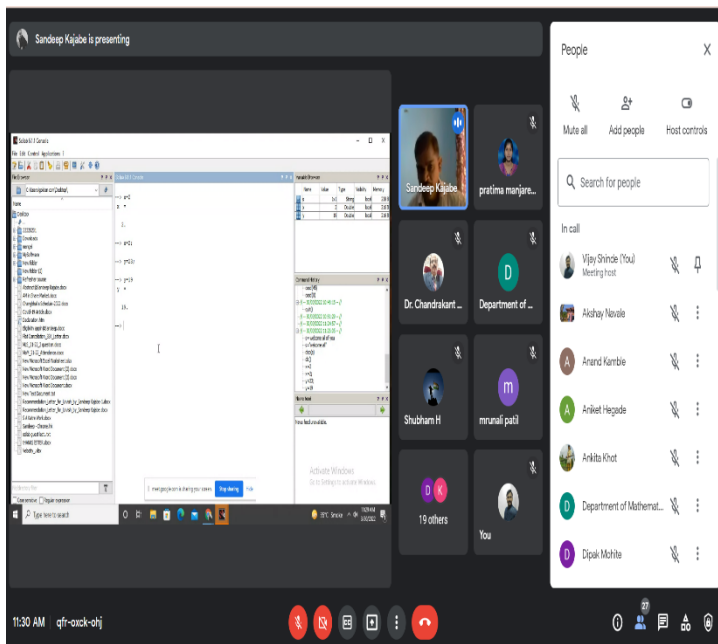
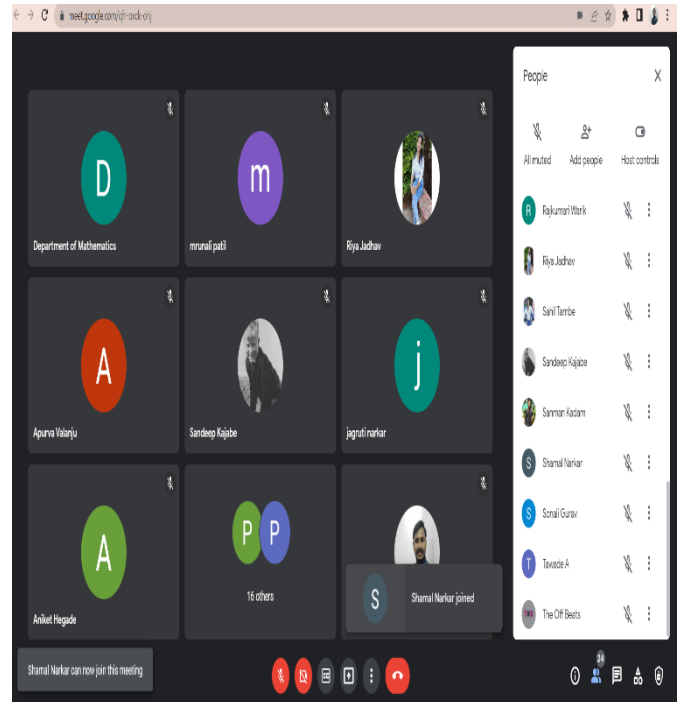
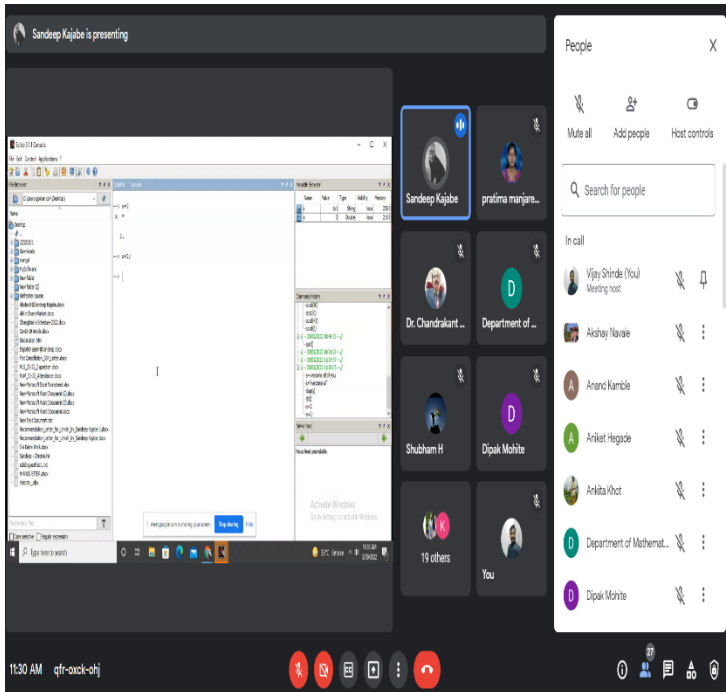
# Academic Year 2021-22

## Delivering a Online Guest Lecture



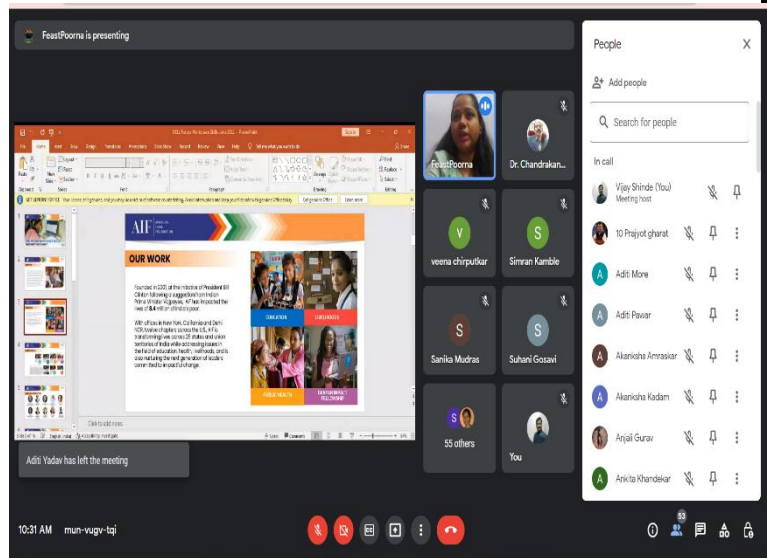
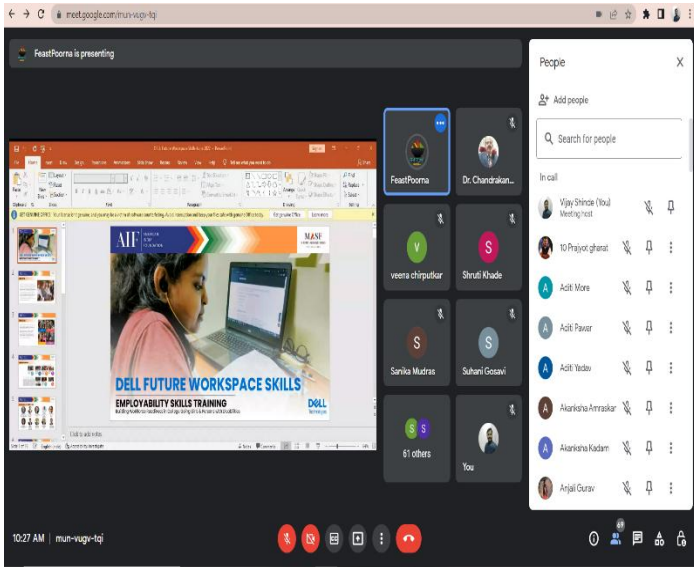
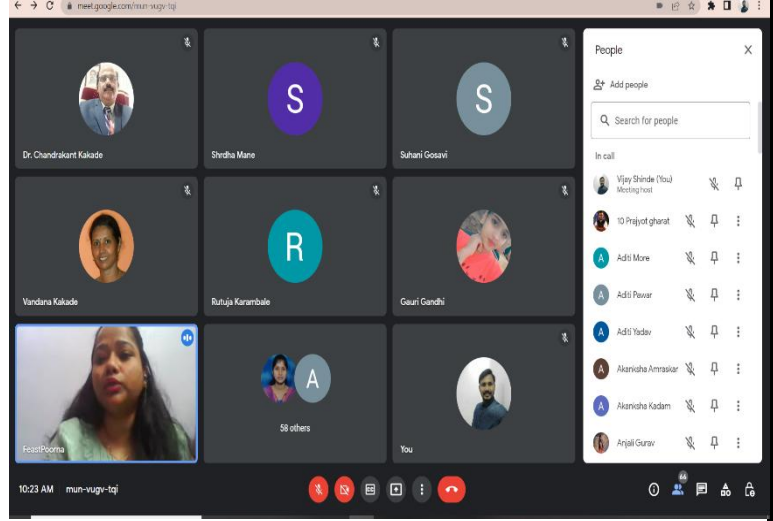
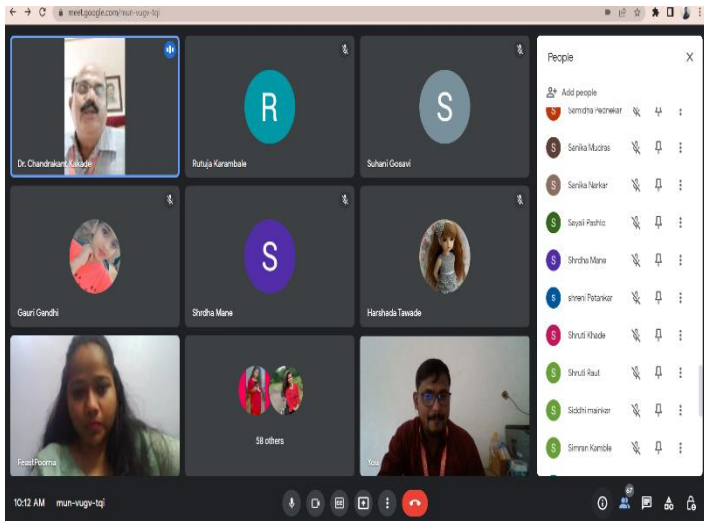
# Academic Year 2021-22

## Two Day Online State Level Workshop on Scilab



# Academic Year 2022-23

## Skill Development Training by American India Foundation



# Academic Year 2022-23

## National Mathematics Day



Academic year 2023-24  
National Mathematics Day



# Academic year 2024-25 National Mathematics Day

