

Department of Mathematics

Annual Report: 2022-23

Prof. Sanjay A. Salve

Head of the Department

Department of Mathematics has organized following activities in academic session 2022-23.

1. Research Activities:

Mr. S. A. Salve, Assistant Professor and Head, Department of Mathematics published 01 Indian patent on topic 'Design and Analyze of Website Effectiveness Using Graph Theory'. He has participated and presented 01 research papers in online National level conferences. He published 01 research paper in National Research Journal.

Also, he actively participate in 02 Workshop and 01 online Faculty Development Program.

2. Invited as Guest Lecturer/ Subject Expert:

Mr. S. A. Salve, Assistant Professor and Head, Department of Mathematics invited as Resource Person in 'University Level Workshop on Research in Mathematics' held at Sant Gadge Baba Amravati University, Amravati on 6th August 2022. He delivered lecture on 'A Talk on How to write references while writing a Research Paper'.

3. Students Participation in University level Seminar:

Mr. Bhushan Kale (B. Sc. III) & Miss Dipika Gaikwad (B.Sc. III) participated in 'Inter-Collegiate Research Convention AVISHKAR-2022' held at Pankaj Ladhhad Institute of Technology & Management Studies, Buldana on 13th December 2022 organized by Avishkar Cell, Sant Gadge Baba Amravati University, Amravati.

4. Mathematics Association:

The Department of Mathematics has formed Mathematics Association. Dr. V. U. Pochhi Madam, IQAC Coordinator, Professor and Head, Department of Botany presided over the function. In her speech she shared her ideas regarding importance of association. The members are selected on the criterion of marks scored by them in previous university examinations. Mr. Bhushan Kale (B. Sc. III year student) becomes president for Mathematics association for period 2022-23.

5. Use of Modern ICT for Effective Teaching:

Faculty members used LCD Projector, Google Classroom for some important topics of syllabus. The use of ICT room makes effective teaching.

6. Organization of Seminar:

The faculty member demonstrates the required skill for presenting seminar for B. Sc. IInd and B. Sc. IIIrd year students presented online.

7. Celebration National Mathematics Day:

The Department of Mathematics, Shri Shivaji Science and Arts College, Chikhli has organized 135th Birth Anniversary of great mathematician Srinivasa Ramanujan on 22nd December 2022. Honorable Principle Dr. Omraj S. Deshmukh presided over the function. In his speech, he focused on importance of Mathematics in day-to-day life and he also told that how Ramanujan's life is motivated to all persons of the world. Dr. V. U. Pochhi, IQAC Co-coordinator, Dr. M. T. Nikam, Professor & Head, Dept. of Zoology, Mr. Dilip Unhale, Supervisor, Junior College were invited as guest for the program. Mr. S. A. Salve, Head, Department of Mathematics gave an introductory speech on purpose of program. Miss Snehal Deshmukh and Miss Renuka Kharat, anchored the program. Mr. Om Bankar expressed vote of thanks. Mrs. P. P. Vaidya and P. P. Bankar Junior College takes efforts for success of program. Around 105 students attend the program.

Aim:

- 1) To recall the invention of Srinivasa Ramanujan made in the history of mathematics.
- 2) To make interest of students in this mathematics subject.
- 3) To encourage students for making creative in subject.
- 4) To encourage student to develop self-learning and rationale skill.

Following activities are taken by Department of Mathematics in celebration of Birth Anniversary of great Mathematician Srinivasa Ramanujan.

- 1) Speeches
- 2) Mathematical Poster Competition
- 3) Mathematical Model Competition
- 4) Mathematical Rangoli Competition

Firstly, College Student Mr. Bhushan Kale, Mr. Vishal Ingle, Miss Gayatri Rajput, Miss Srusti Helge have participated in Mathematical speeches. Mr. Ketan Avchar, played the role of Srinivasa Ramanujan and spoke about Ramanujan's views on Mathematics. During this Student Mathematics Association was inaugurated by the President of the function.

After that the Principal Dr. Omraj S. Deshmukh inaugurated Mathematical Model and Mathematical Poster Competition organized in the auditorium. About 42 students have presented poster related to Mathematics topic. This competition was judged by Dr. Nikam Madum, Dr. Thakre Sir, Dr. Kadam Sir, Dr. Kalkhe Madum, Dr. Patil Sir and Mr. Gawande Sir.