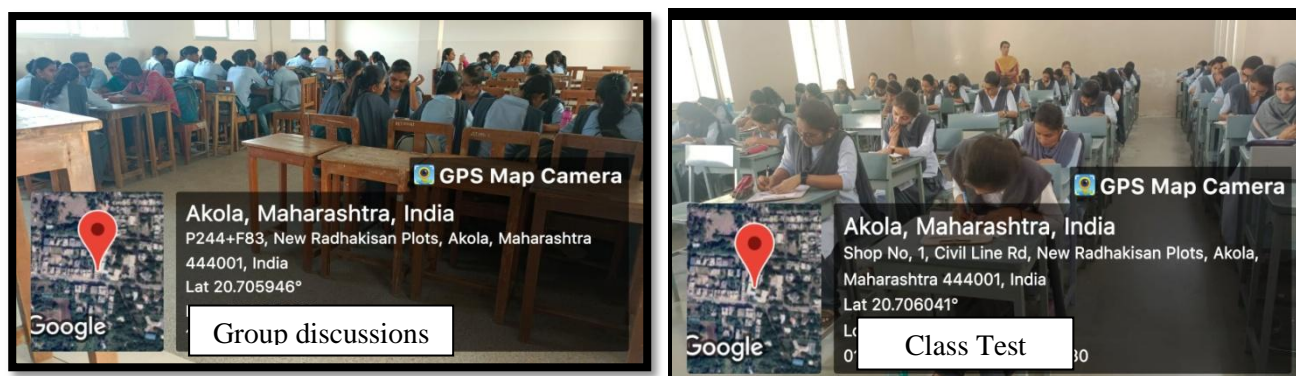


Shri R.L.T. College of Science, Akola
Department of Mathematics
Annual Departmental Report (2022-23)

Department of Mathematics is one of the major departments of Shri R.L.T. College of Science and is having granted PG course. Some of the important educational activities and achievements of students and faculty members of the department during the session 2022-23 are highlighted as below.

- Academic activities like Online Maths Quiz, Project Assignment, Group discussions and Seminars were conducted for B.Sc. I, II & III, M.Sc. I & II students in the month of November 2022 and April 2023.



- Introspective Test Series was taken for students of M.Sc. All students were participated in test series. Departmental faculty collect the answer papers and distribute it among the students randomly to evaluate. After the evaluation of answer papers by students, corresponding teachers and students were discussed on evaluation. In this test series students solved the test, evaluate the test and discuss the topic related the test. Thus students were understanding the topic thoroughly and the purpose of the test series were successes.

- **Celebration of National Mathematics Day:**

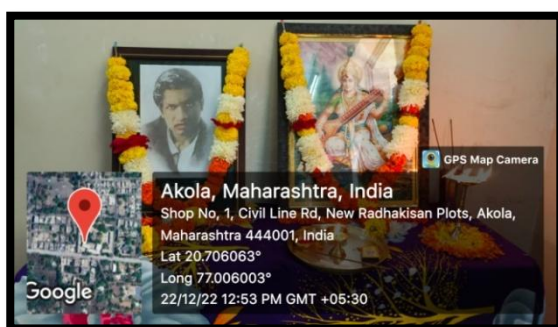
December 22 was designated as 'National Mathematics Day' by government of India in 2012. This day is celebrated every year to mark the birth anniversary of legendary Indian mathematician, Srinivasa Ramanujan. All over India this day was celebrated by taking various activities like Poster Presentation, Workshops, Mathematics quiz etc. Department of Mathematics celebrated National Mathematics Day on 22nd December 2022. The program was presided over by Principal Dr. V. D. Nanoty.

The event was inaugurated by laying a wreath on the photo of Srinivasa Ramanujan. The introductory speech of the program was delivered by H.O.D. Dr. Tadam. In her introductory speech she highlighted Ramanujan's work in Mathematics. On this occasion, she explained the importance of National Mathematics Day and the purpose of celebrating this day.

Student of M.Sc. II, Mr. Swapnil Wankhade gave information about the life of Mathematician Ramanujan. Dr. Mohta presented a poem on "Mathematics-A Key of life....." On the occasion of this day Department of Mathematics inaugurate "Ramanujan NET/SET Tutorial" by the hands of Principal Dr. V.D.Nanoty.

In presidential address, Dr. Nanoty appreciate all the students and wished them a happy National Mathematics Day. He hoped that all the students would take in-depth knowledge of mathematics and make every effort to get their name in the merit list of the university. Also he said that all students should take advantage of Ramanujan NET/SET Tutorial.

The program was nicely conducted by Ms. Mhaske & the vote of thanks was given by Asst. Professor Dr. Munde.



Introductory speech delivered by Dr. Tadam



Poem presented by Dr. Mohta



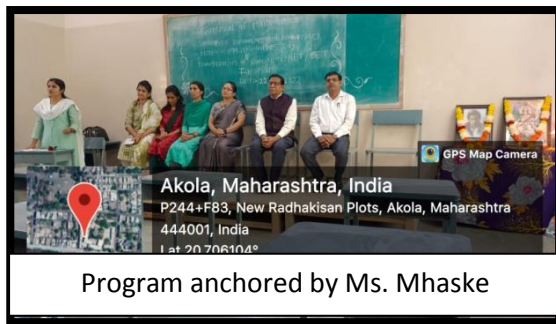
Speech delivered by Mr. Swapnil Wankhade



Inauguration of "Ramanujan NET/SET Tutorials"



Presidential speech delivered by Principal Dr. Nanoty



Program anchored by Ms. Mhaske



Vote of Thanks delivered by Dr. Munde



Students present for the program

● **Maths Horizon-3 (The knowledge beyond the curriculum...):**

Department of Mathematics was decided to create a Mathematics News Bulletin with the objective of informing the students in addition to curriculum, about the current developments in the world of Mathematics, history of Mathematics, important days of Mathematics, research in Mathematics, job opportunities after M.Sc. Mathematics and curious/amusing part in Mathematics and were created by the student themselves under the guidance of teachers. As this news bulletin provides information in addition to the curriculum so that the students were connected to the outside world of Mathematics. Therefore we named it as Maths Horizon (The knowledge beyond the curriculum...) (Because horizon means line connecting earth and sky so here news bulletin does the same work).

This bulletin covered five topics:

- Current affairs in mathematics.
- Monthly events in mathematics.
- History in mathematics.
- Twisted parts in mathematics.
- Career opportunities after M.Sc. Mathematics.

This helps each and every student to become updated in recent trends, review of mathematics or mathematicians history, learn some interesting facts about mathematics, and aware of career opportunity.

Each group was given a topic to gather information on. Some students were given the task of editing and formatting the news bulletin. After all the endeavors by the students and teachers the math's horizon III was ready for publication.

The students namely Aishwarya A. Tayade, Aishwarya G. Pathak, Aishwarya R. Deshmukh, Anjali A. Kakad, Ankita B. Shirsat, Ankita R. Sonone and Ankita R. Gawande in the first group presented the topic current affairs in mathematics in which they overview the following topics.

- Use of Math to better treat Cancer
- National Mathematics Day Celebration
- The SASTRA Ramanujan Prize bestowed to Yunqing Tang

- Four field medals
- Math Maven reveals properties of 2023.

Students from second group namely Ankita Y. Ingle, Apeksha M. Ghaysundar, Arti M. Kakad, Ashwini P. Deshmukh, Divya S. Bhagewar and Dnyaneshwari D. Bonde highlighted the topic History of Algebra in which they gave information about the following topics.

- Origin of Algebra
- Developmental stages of Algebra
- Contribution of countries in Algebra

Students namely Gayatri R. Jawake, Gayatri S. Vairale, Hrutuja S. Bhalerao, Jaya S. Mirani, Kalyani S. Ghuge and Karishma R. Panjwani from third group presented the topic Monthly events in Mathematics in which they gave information about the following topics.

- July-Gott Fried Leibniz
- August-Eric Schecter
- September-Bernhard-Riemann
- October-Karl Weirstrass
- November-Fibonacci Day
- December-National Mathematics Day

Students from fourth group specifically Komal G. Thakur, Mukta P. Sure & Neha Metange presented the topic “Twisted Part in Mathematics” in which they explain the following points.

- Pythagoras Theorem in Sanskrit form
- Mobious Strip
- What is Paradox?
- Various representation of the year 2023

Students from the fifth group namely Neha S. Chandan, Pooja P. Ingle, Pragati L. Mhasal, Prajakta P. Kale and Pranita S. Gayakwad gave information on “Job Opportunities after M.Sc. Mathematics” in which they explain the following points.

- Lecturer
- Manual Testing
- Banking-investment
- Statical Research
- Civil Service
- A Career in the Private Job Sector
- Automobile Industries

During the session 2022-23 the achievements of the department are shown in the following table.

Sr. No.	Name of Faculty/ Students	Designation / Class	Achievements
1.	Ku. Karishma Panjawani	UG Student	Stood 1 st merit in B.Sc. S.G.B.A.U. Amravati (2021-22)
2.	Ku. Pooja Hatgaonkar	UG Student	Stood 3 rd merit in B.Sc. S.G.B.A.U. Amravati (2021-22)
3.	Ku. Pallavi Sharad Ingole	PG Student	Stood 5 th merit in M.Sc. S.G.B.A.U. Amravati (2021-22)

4.	Mr. Akshay Telharkar	PG Student	Stood 9 th merit in M.Sc. S.G.B.A.U. Amravati (2021-22)
5.	Ku. Ayeshamaa Amdani	PG Student	Stood 9 th merit in M.Sc. S.G.B.A.U. Amravati (2021-22)
6.	Ku. Komal Dhote	PG Student	Stood 9 th merit in M.Sc. S.G.B.A.U. Amravati (2021-22)
7.	Shri. Rishikesh Barabde	PG Student	Stood 9 th merit in M.Sc. S.G.B.A.U. Amravati (2021-22)
8.	Ku. Dnyaneshwari Bhatkar	PG Student	Stood 10 th merit in M.Sc. S.G.B.A.U. Amravati (2021-22)
9.	Ku. Kavita Bhute	PG Student	Stood 10 th merit in M.Sc. S.G.B.A.U. Amravati (2021-22)
10.	Ku. Trupti Davhale	PG Student	Stood 10 th merit in M.Sc. S.G.B.A.U. Amravati (2021-22)
11.	Ms. Sayali Kalmegh	PG Student	Qualified the State Eligibility Test SET-MAR 2023 held on 26 th March 2023 in the subject Mathematical Sciences
12.	Mr. Qazi Merajuddin	PG Student	Qualified the State Eligibility Test SET-MAR 2023 held on 26 th March 2023 in the subject Mathematical Sciences
13.	Ms. Riya Thakre	PG Student	Got 2 nd prize in University Level Exhibition on Innovative Mathematical Rangoli competition for P.G. students.
14.	Ms. Kalyani Ghuge	PG Student	Got Consolation prize in University Level seminar competition for P.G. students



Ms. Karishma Panjawani (1st merit from university) felicitated by the hands of Shri Ramesh Bais Hon'ble Chancellor , Govt of Maharashtra



Ms. Pooja Hatgaonkar (3rd merit from university) felicitated by the hands of Shri Ramesh Bais Hon'ble Chancellor , Govt of Maharashtra



Ms. Kalyani Ghuge got consolation prize in University Level seminar Competition.



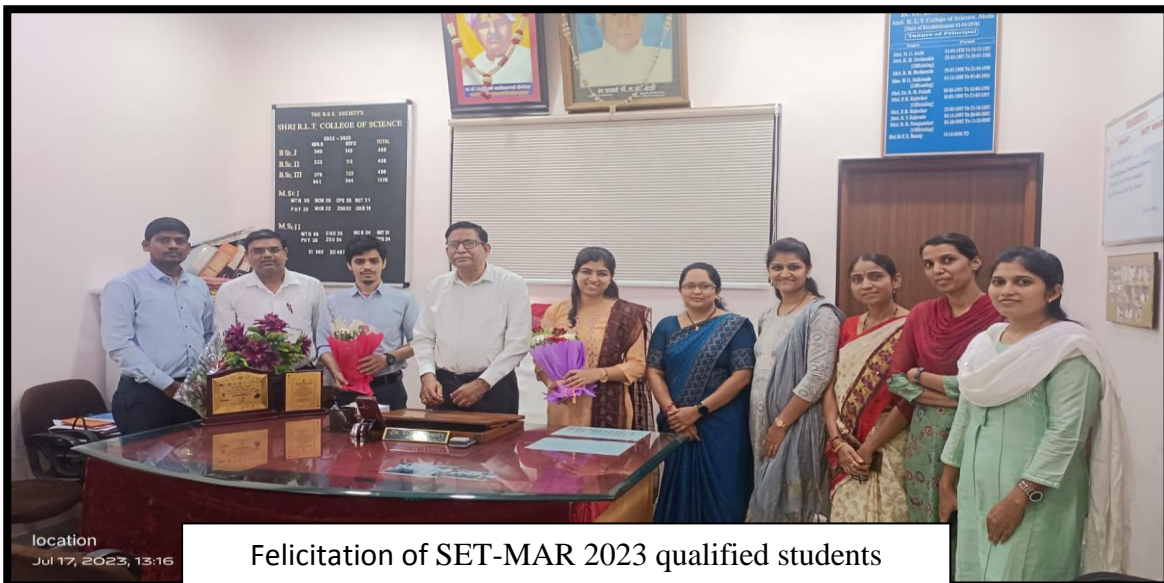
Ms. Riya Thakre got 2nd prize in University Level Innovative Mathematical Rangoli Competition



Latitude: 20.705881
 Longitude: 77.005901
 Elevation: 231.0±1 m
 Accuracy: 14.5 m
 Azimuth: 245° (SW)
 Pitch: -8.5° (T.8°)
 Time: 01-02-2023 12:34

Felicitations of all PG meritorious students.

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location
 Jul 17, 2023, 13:16

Felicitations of SET-MAR 2023 qualified students

Date: 30.05.23

Dr. S. B. Tadam
H.O.D.
Dept. of Mathematics