

Shri R.L.T. College of Science, Akola
Department of Mathematics
Annual Departmental Report (2019-20)

Department of Mathematics is one of the major department of Shri R.L.T. College of Science and is having granted PG course. The research activities in Mathematics is also run by the department under the guidance of Dr. S. M. Padhye (former H.O.D.). Some of the important educational activities and achievements of students and faculty members of the department during the session 2019-20 are highlighted as below.

In the session 2019-20 the college reopened on 10.06.2019. All the teachers and staff joined at 11.00 am in the morning and started their respective works.

- Departmental staff:
 - (i) Ms. S.B. Tadam (H.O.D. & Asst. Prof.)
 - (ii) Dr. S. L. Munde (Assistant Prof.)
 - (iii) Mr. Gautam Ingole (Non-teaching)
- The admission process of B.Sc.I and M.Sc.II started on 10.06.2019.
- All the teachers started their works of respective college committees.
- Students strength of the department:

Sr. No.	Class	No. of Students	No. of Sections
1	B.Sc.I	164	2
2	B.Sc.II	185	2
3	B.Sc.III	151	1
4	M.Sc.I	96	1
5	M.Sc.II	94	1
	Total	690	7

- Number of C.H.B. teachers: 1 for U.G.
- Number of Contract Basis teachers : 3 for P.G. and U.G.
- Academic activities like Seminars, Project Assignment and Group discussions were conducted online as well as offline for B.Sc. Ist, IInd & IIIrd, M.Sc. Ist & IInd students in the month of September and October 2019 and February & March 2020.
- Test series was taken for students of M.Sc., in which all students actively participated. Students solved the question papers; the solved question papers were collected by the teachers and distributed among the students randomly for evaluation. After that the topic of the test and evaluation of answer sheets was discussed. In this way students solved the question papers and got the experience to evaluate the answer sheets. In this way students get proficiency in the same topic as it is repeated over and over again. Thus the purpose of taking the test series was achieved.

- A Regional Mathematics Olympiad examination is conducted by the department every year for the students of 9th, 10th and 11th standard of the Amravati region.

This year the exam was conducted successfully on Sunday 10th November 2019.

- On the occasion of Golden Jubilee celebration of Shri R.L.T. College of Science, the department of mathematics in collaboration with Alumna Association and IQAC organized a guest lecture on the topic “**Mathematical Patterns of Share Market Fluctuations**” by Mr.V.L.Ruiwale, Ex. Asso. Professor of Shri R.L.T College of Science, Akola on Saturday 12th October 2019. The members of the organizing committee were Dr. R. L. Rahatagonkar (NAAC Co-ordinator), Dr.S.B.Tadam (H.O.D), Dr.S.L.Munde(Asst. Prof.), Mr Y.O.Heda, Ms. Asma Fatima and Ms. Karuna Sharma. All the students of M.Sc. Ist and IInd year (Maths) attended the lecture.

The President of the program was Principal Dr.V.D.Nanoty sir. The program was also graced by the presence of Mr. M.R.Ubale(librarian) & Mr.R.M.Agrawal (Asst. Prof), Mr. Manish Sachdev & Mr. Nilesh Deoke financial Advisory since fifteen years. The introductory speech was given by Dr. S.B.Tadam (H.O.D) in which she advised the students on the importance of application of mathematics and its uses. In Presidential speech Principal Dr.V.D.Nanoty sir glorified the fifty years that the college is about to complete this year, He also motivated students to gain knowledge to build a strong future.

After a short introduction about the speaker given by Miss Asma Fatima, Mr.V.L.Ruiwale, began his lecture, giving a brief insight on share market he moved on with the mathematical aspects in calculating the trends in the share market. The lecture was quite productive for all the listeners who wanted to have knowledge on how to invest their money and how to grow it.

He said that investment should start from a young age. In addition, during the lecture, the students learn how to calculate the risk factor in the market. He advised the students to learn relevant theory before entering the market and how not to play the blind game. The lecture was not only informative but also inspired students, teachers and all the listeners to gain an insight on financial planning.

The conduction of the program was done by Miss Asma Fatima Ab Jabbar and Miss Karuna Sharma proposed the vote of thanks.

- During this session Dr. S.B.Tadam has published one research paper in International Journal and also present one research paper in National Conference.

- During the session 2019-20 the achievements of the department are shown in the following table.

Sr. No.	Name of Faculty / Students	Designation / Class	Achievements
1.	Dr. Sujata B. Tadam	Assistant Prof. & H.O.D.	1] Awarded Ph.D. Degree in the subject Mathematics under the guidance of Former HOD Dr. S. M. Padhye. Title of the thesis is “Study of Uniformly Continuous Spaces and Compactness Related Concepts in Uniform Spaces And Proximity Spaces”. 2] Worked as a joint organising secretary for the National Conference on Multidisciplinary Research in Science and Technology for Healthy Lifestyle Management” on Friday 24 th January 2020.
2.	Dr. Priti P.Umarkar	Research Scholar	Awarded Ph.D. Degree in the subject Mathematics under the guidance of Former HOD Dr. S.M.Padhye. Title of the thesis is “ Study Of Uniformitable Topological Spaces And Its Relation To Compactness In Uniform And Proximity Spaces ”.
3.	Dr. Rajeshree D. Nanaware	Research Scholar	Awarded Ph.D. Degree in the subject Mathematics under the guidance of Former HOD Dr. S.M.Padhye Title of the thesis is “ Properties of the Spectral Operators on Different linear Spaces ”.
4.	Ms. Sandhya S. Mhaske	CHB Teacher and Student of NET-SET Class	Qualified the State Eligibility Test (SET) held on 11 th October 2019 in the subject Mathematical Sciences
5.	Mr. Pradip R. Surushe	PG Student and Student of NET-SET Class	Qualified the State Eligibility Test (SET) held on 11 th October 2019 in the subject Mathematical Sciences
6.	Ku. Dipali Bhojane	PG Student (2018-19)	5 th Merit in M.Sc. Mathematics S.G.B. A.U. Amravati
7.	Ku. Namrata Lohiya	UG Student (2016-19)	5 th Merit in B.Sc. S.G.B. A.U. Amravati

Date:

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Dept. Of Mathematics