

DEPARTMENT OF MATHEMATICS

ANNUAL REPORT 2023-2024

The Department of Mathematics was started during the academic year 1991-92.

Members of the Faculty for the Academic Year 2023-2024

1. Dr. R. Kokila, M.Sc., M.Phil., PGDAOR, B.Ed., Ph.D., SET, HOD
2. Mrs. K. Mohana Devi, M.Sc., M.Phil.
3. Dr. V.N. Jaya Shruthy, M.Sc., M.Phil., Ph.D.
4. Dr. B. Deepa, M.Sc., M.Phil., Ph.D.
5. Mrs. B. Mohana Priya, M.Sc., M.Phil., B.Ed., SET
6. Dr. A. Balasubramanian, M.sc., M.Phil., Ph.D.
7. Mrs. G. Menaka, M.Sc., M.Phil.
8. Mr. N. Balamurugan, M.Sc., M.Phil.

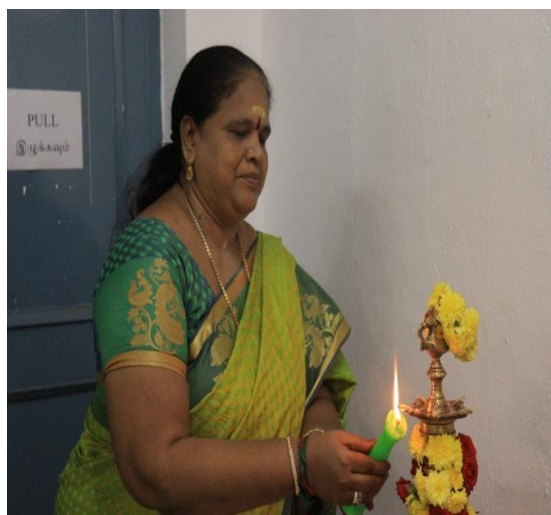
Inauguration of Mathematics Association & Workshop on Fundamental Data Analysis with IBM.SPSS

The Inauguration function of Mathematics Department Association “RAMANUJAM FORUM” was conducted on **27.09.2023 (Wednesday)** at 10 a.m. Then Principal Dr. V.Hemalatha, Dr. R.Kokila, Head, Department of Mathematics, Chief guest Dr. S. Venkatesan, M.Sc., M.Phil, Ph.D. Assistant Professor, Faculty of Engineering and Technology, Sri Ramachandra Institute of Higher Education and Research (DU), Chennai-116 inaugurated our association by lighting the traditional lamp.

Dr. S. Venkatesan conducted the workshop on the topic “Fundamental Data Analysis with IBM.SPSS”. It was attended by the students of I, II and III Year B.Sc., Mathematics, III ISM, II M.Com and II B.Sc., Computer Science.

The workshop showcased various applications of SPSS in fields like Statistics, education, market research, healthcare, government and business. He explained in detail about the entire analytics process, from planning, data collection to data analysis, which helps in obtaining better outcome of the projects taken.

The session was very useful for students as they gained immense knowledge regarding the scope of Mathematics and Statistics and its day to day implementation. Overall, the workshop was both educative and informative to the UG and PG students.





Common Aptitude Test October - 2023

RAMANUJAM FORUM, the Association of Mathematics conducted an Inter Departmental activity “COMMON APTITUDE TEST” on **10.10.2023 (Tuesday)** for all the UG classes.

Nearly 250 students appeared for the test. The test was conducted in the Central Hall at 01.30 PM for the duration of 1 hour.

The program was organised by Asst. Professors **Mrs. K. Mohanadevi** and **Mrs. G. Menaka** of the Department of Mathematics.

The question paper consisted of Quantitative Aptitude, sports, Logical Reasoning, General Awareness and Current Affairs. This enabled the students to face various competitive exams for their career with ease.





The winners of the Aptitude test are

	Name of the Student	Class
I Prize	Sathish VS	II B.SC (CS) 'B' SEC
II Prize	Saraswathi CMR	III BA (ECONOMICS)
III Prize	Dwarakesh R Dinesh K Deepika S Naresh M	III B.COM (ISM) II B.SC (CS) 'B' SEC II B.COM (G) 'C' SEC III B.COM (ISM)

International Education Day

The Department of Mathematics in Association with IQAC celebrated “International Education Day” on **24-01-2024 (Wednesday)** in Room No. SF.16. Under the guidance of Dr. T. Prahalathan, Principal (i/c) and Dr. Shobana, Vice Principal, it commemorated the importance of education in various fields at an international level. The topic for the event was “Learning for Lasting Peace”. The organisers of the event were **Dr.B.Deepa**, Associate Professor and **Mrs.B.Mohana Priya**, Assistant Professor, Department of Mathematics. The program began with Prayer song. Welcome Address was given by F. Dhun Nafesha Fathima of II B.Sc., Maths. **Dr. R.Kokila**, Head, Department of Mathematics gave the introductory speech for the event. From all departments, almost 45 students registered for the program.

The following competitions were held in this regard on the topic “**Learning for Lasting Peace**” in which students from various department participated with great enthusiasm.

1. Elocution
2. Slogan Contest
3. Poster Presentation

The Judge for the Elocution competition was **Dr. D. Mary Arockia Cletus Kala**, Head, Department of Tamil. In this Elocution six students participated. The students actively delivered their impressive speeches on the given topic in both Tamil and English within the allocated time period. The judge evaluated the participants based on various factors such as theme, clarity of speech, pronunciation, voice modulation, expression, stage presence, and overall impact.

In the next event Slogan Contest, seventeen students were participated. **Dr.R. Ramani**, Head, Department of Visual Communication was the judge for the event. Relevance to theme, originality, and creativity were used as criteria for the selection.

Another event was poster presentation. Eight students participated. **Mrs. C. Maheshwari**, Head, P.G. Department of Social work was the judge for the event. The prize winners were selected based on the criteria – theme, content and presentation. The students expressed their ideas in chart papers, A4 sheets using vivid colours. The hidden talents of the students were showcased in these events. Overall the program was a grand success.





International Mathematics Day

The Department of Mathematics (Ramanujam Forum) in association with IQAC celebrated the International Mathematics day on 14.03.2024. The following Programs were conducted for the students.

1. Quiz Program
2. Mehendi Competition (using mathematical symbols)
3. PPT

1. Report on Quiz Programme

Department of Mathematics conducted an inter-Departmental activity Quiz Programme for all students on **14-03-2024** at 12 pm in the Conference Hall.

This program started with Welcome Address by **Dr.R.Kokila**, Head, Department of Mathematics and motivational speech for our students.

The coordinators are **Dr.A.Balasubramanian** and **Mr.N. Balamurugan**. Twelve teams participated in the Quiz Program. Each team consisted of three students. **Dr.V.N.Jayashruthy** and **Ms.B.Mohanapriya**, Asst. Professors, Dept. of Mathematics calculated the scores for all the rounds of this Program.

There were 7 rounds in the Quiz program. Questions for the first two rounds were from current affairs. Third round was from sports. Fourth round was from identification of famous mathematician's picture. At the end of the fifth round 3 teams were selected for final.

The remaining THREE teams continued their participation for the next two rounds. Questions were asked from simple maths. Connections and Rapid-fire were also conducted.

At the end of seventh round, results were announced by the judges.
Team – 10 got I prize, Team – 5 got II prize and Team – 1 got III prize.

The Winners for the Quiz Program

I Prize: Team 10

TEAM 10	D.Nithyashree	III B.sc Mathematics
	G.Sneha	III B.sc Mathematics
	R.Janaki	III B.sc Mathematics

II Prize: Team 5

TEAM 5	S.Deepali Polai	II B.Com (G) -B
	K.Deenu	II B.Com (G)- B
	V.Monisha	II B.Com (G)- B

III Prize: Team 1

TEAM 1	R.Harini	II B.Com (G)- A
	R.Sai Srinidhi	II B.Com (G)- A
	S.Vignesh	II B.Com (G)- A

All the students were very enthusiastic and good in current affairs and subjects. Finally, Dr.A.Balasubramanian Department of Mathematics gave the vote of thanks.



2. Report on Mehandi Competition

In the same day conducted an interdepartmental activity Mehandi Competition for all students on **14-03-2024** at 12 pm in SF-15.

Dr.R.Kokila and Dr.B.Deepa, Head and Asst. Professor, Dept, of Mathematics selected the Price winners of the Mehandi competition.

The Winners of the Mehandi Competition:

	Name of the Student	Class
I Prize	T.Shalini	II B.Sc (C.Sc) –B
II Prize	E.Roshini	III B.Com (G)- B
III Prize	G.Sneha	III B.Sc Mathematics
III Prize	R.Sathya	II B.Sc (C.Sc) – A

The students were very much interested in participating the Mehandi competition.





3. Report on Paper Presentation

The Paper Presentation Program for the department of Mathematics students on **15-03-2024 (Saturday)** in SF-15.

In this Program, 9 Students presented papers (PPT) in various Mathematics topics. The topics were Algebra, Differential Calculus, Integral Calculus, Trigonometry, Statistics, and about Famous Mathematicians. **Dr.B.Deepa and Ms.B.Mohanapriya**, Asst. Professor, Dept. of Mathematics were the judges for this event. At the end of the Program, the judges announced the results. The following Students are the winners of the paper presentation.

The Winners of the Power Point Presentation (PPT):

	Name of the Student	Class
I Prize	P.Jamila	II B.Sc Mathematics
II Prize	F.Dhun Nafesha Fathima	II B.Sc Mathematics
III Prize	G.Sneha	III B.Sc Mathematics

III Prize	M.Vignesh	I B.Sc Mathematics
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STAFF ACHIEVEMENTS

(a) Staff members acted as resource person/chief guest

S.no	Faculty name	Topic	College name	Date/Place
1.	Dr. B. Deepa	Bridge Course On Matrix Theory	D.G. Vaishnav College	06.07.2024/ Chennai
2.	DR. V.N. Jaya Shruthy	Bridge Course On Sequence And Series	D.G. vaishnav college	07.07.2024/ Chennai

(b) Staff participation of workshop/FDP/Seminar

S. no	Faculty name	National/ International	Title of workshop/ FDP/Seminar	College name	Date/place
1.	Dr. R. Kokila	International (virtual mode)	Global Research in Graph and Fuzzy Theory	SHASUN Jain College for Women	17 th and 18 th October 2023
2.	Mrs. K. Mohana Devi	National	Data Literacy with Tableau	D.G. Vaishnav College	24/07/23 To 28/07/23, Chennai
3.	Mrs. K. Mohana Devi	National	Advance Data Analytics using Python	University of Madras	22/01/24 To 30/01/24, Chennai
4.	Dr. A. Balasubramanian	National (Virtual mode)	Workshop on Brain Balancing and Hypnosis	Ramanujan College	13/10/23
5.	Dr. A. Balasubramanian	National (Virtual mode)	Workshop on NTA/NET-SET PAPER - I	Sakthukailash Women's College	8 th and 9 th Nov 2023
6.	Dr. A. Balasubramanian	International (Virtual mode)	Applications of Mathematics in Various Fields with Innovative Approaches	Bapatla Engineering College	21/11/23 To 25/11/23
7.	Mrs. G. Menaka	International (Virtual mode)	Applications of Mathematics in Various Fields with Innovative Approaches	Bapatla Engineering College	21/11/23 To 25/11/23

(c) Staff Paper presentation in conferences

S. no	Faculty name	National /International	Title	University/ Institute/ College name	ISS N No	Conference Date/Place
1.	Mrs. K. Mohana Devi	Inter national	On Fractional Chromatic Number of Special Families of Halin Graphs	New Horizon College of Engineering	-	23/09/2023, Bangalore
2.	Mrs. K. Mohana Devi	Inter national	Fractional Coloring of Indu-Bala Product of Simple Graphs	SIMATS Engineering	-	08/12/2023, Chennai

(d) Staff members achieved 100% result

S.no	Faculty name	Department	Class	Subject	Year
1.	Dr. R. Kokila	Mathematics	III	Operations Research	Apr 2023
2.	Mrs. K. Mohana Devi	Mathematics	III	Algebraic Structures – II	Apr 2023
3.	Dr. V.N. Jaya Shruthy	Mathematics	III	Complex Analysis	Apr 2023
4.	Dr. B. Deepa	Mathematics	III	Real Analysis - II	Apr 2023
5.	Mrs. B. Mohana Priya	Mathematics	III	Graph Theory	Apr 2023
6.	Dr. V.N. Jaya Shruthy	Economics	II	Econometrics	Apr 2023

(e) Staff members who have produced centum in various subjects

S. no	Faculty name	Department	Class	Subject	Year
1	Dr. B. Deepa	B.Com (G) 'B' sec	II	Business Statistics	Nov 2023
2	Mrs. G. Menaka	B.Com (G) 'C' sec	II	Business Statistics	Nov 2023

STUDENT PARTICIPATION IN INTER AND INTRA-COLLEGE EVENTS

S. no	Student Name	Class-Department	Event name	College name	Date
1.	Jamila P	II Year-Mathematics	Rangoli	St. Thomas College	26/09/2023
2.	Nandhini B	II Year-Mathematics	Rangoli	St. Thomas College	26/09/2023
3	Pavithra A	II Year-Mathematics	Rangoli	St. Thomas College	26/09/2023
4.	Dhun Nafesha Fathima F	II Year-Mathematics	Mehandi	St. Thomas College	26/09/2023
5.	Nithiya S	II Year-Mathematics	Mehandi	St. Thomas College	26/09/2023
6.	Saranya S	II Year-Mathematics	Reels	St. Thomas College	26/09/2023
7.	Jamila P	II Year-Mathematics	Handwriting Competition	Dept of English, Sindhi College	23/01/2024
8.	Shobana K	II Year-Mathematics	Handwriting Competition	Dept of English, Sindhi College	23/01/2024
9.	Dhun Nafesha Fathima F	II Year-Mathematics	Handwriting Competition	Dept of English, Sindhi College	23/01/2024
10.	Jamila P	II Year-Mathematics	Slogan Writing	Dept of Maths, Sindhi College	24/01/2024
11.	Dhun Nafesha Fathima F	II Year-Mathematics	Speech	Dept of Maths, Sindhi College	24/01/2024
12.	Dhun Nafesha Fathima F	II Year-Mathematics	Poster Presentation	Dept of Maths, Sindhi College	24/01/2024
13.	Sneha G	III Year-Mathematics	Poster Presentation	Dept of Maths, Sindhi College	24/01/2024
14.	Sneha G	III Year-Mathematics	Slogan Contest	Dept of Maths, Sindhi College	24/01/2024
15.	Shobana K	II Year-Mathematics	Channel Surfing	S.S.S. Jain College	29/01/2024
16.	Nithiya S	II Year-Mathematics	Channel Surfing	S.S.S. Jain College	29/01/2024
17.	Saranya S	II Year-Mathematics	Channel Surfing	S.S.S. Jain College	29/01/2024

18.	Dhun Nafesha Fathima F	II Year-Mathematics	Channel Surfing	S.S.S. Jain College	29/01/2024
19.	Jamila P	II Year-Mathematics	Just A Minute	S.S.S. Jain College	29/01/2024
20.	Nithiya S	II Year-Mathematics	Fashion Walk	S.S.S. Jain College	02/02/2024
21.	Saranya S	II Year-Mathematics	Fashion Walk	S.S.S. Jain College	02/02/2024
22.	Nithiya S	II Year-Mathematics	Kavithai Competition	Dept of Tamil, Sindhi College	07/02/2024
23.	Saranya S	II Year-Mathematics	Kavithai Competition	Dept of Tamil, Sindhi College	07/02/2024
24.	Santhosh S	II Year-Mathematics	Kavithai Competition	Dept of Tamil, Sindhi College	07/02/2024
25.	Sneha G	III Year-Mathematics	Mehandi	Dept of Mathematics, Sindhi College	14/03/2024
26.	Nandhini S	II Year-Mathematics	Mehandi	Dept of Mathematics, Sindhi College	14/03/2024
27.	Pavithra A	II Year-Mathematics	Mehandi	Dept of Mathematics, Sindhi College	14/03/2024
28.	Jeeva S	III Year-Mathematics	Quiz	Dept of Mathematics, Sindhi College	14/03/2024
29.	Manoj E	III Year-Mathematics	Quiz	Dept of Mathematics, Sindhi College	14/03/2024
30.	Vignesh M	I Year-Mathematics	Quiz	Dept of Mathematics, Sindhi College	14/03/2024
31.	Nithya Shree D	III Year-Mathematics	Quiz	Dept of Mathematics, Sindhi College	14/03/2024
32.	Sneha G	III Year-Mathematics	Quiz	Dept of Mathematics, Sindhi College	14/03/2024
33.	Janaki R	III Year-Mathematics	Quiz	Dept of Mathematics, Sindhi College	14/03/2024
34.	Madhavan S	III Year-Mathematics	Quiz	Dept of Mathematics, Sindhi College	14/03/2024

35.	Janani V	III Year-Mathematics	Quiz	Dept of Mathematics, Sindhi College	14/03/2024
36.	Sneha L	III Year-Mathematics	Quiz	Dept of Mathematics, Sindhi College	14/03/2024
37.	Nithya shree D	III Year-Mathematics	Power point Presentation	Dept of Mathematics, Sindhi College	15/03/2024
38.	Madhavan S	III Year-Mathematics	Power point Presentation	Dept of Mathematics, Sindhi College	15/03/2024
39.	Sneha G	III Year-Mathematics	Power point Presentation	Dept of Mathematics, Sindhi College	15/03/2024
40.	Janani V	III Year-Mathematics	Power point Presentation	Dept of Mathematics, Sindhi College	15/03/2024
41.	Jeeva S	III Year-Mathematics	Power point Presentation	Dept of Mathematics, Sindhi College	15/03/2024
42.	Jamila P	II Year-Mathematics	Power point Presentation	Dept of Mathematics, Sindhi College	15/03/2024
43.	Nithiya S	II Year-Mathematics	Power point Presentation	Dept of Mathematics, Sindhi College	15/03/2024
44.	Dhun Nafesha Fathima F	II Year-Mathematics	Power point Presentation	Dept of Mathematics, Sindhi College	15/03/2024
45.	Saranya S	II Year-Mathematics	Power point Presentation	Dept of Mathematics, Sindhi College	15/03/2024
46.	Pavithra A	II Year-Mathematics	Power point Presentation	Dept of Mathematics, Sindhi College	15/03/2024
47.	Vignesh M	I Year-Mathematics	Powerpoint Presentation	Dept of Mathematics, Sindhi College	15/03/2024
48.	Nithyashree D	III Year-Mathematics	Math Connect	Vel Tech College	01/04/2024
49.	Madhavan S	III Year-Mathematics	Math Connect	Vel Tech College	01/04/2024
50.	Janaki R	III Year-Mathematics	Su-do-ko	Vel Tech College	01/04/2024
51.	Sneha G	III Year-	Poster Presentation	Vel Tech College	01/04/2024

		Mathematics			
52.	Janani V	III Year-Mathematics	Poster Presentation	Vel Tech College	01/04/2024
53.	Sneha L	III Year-Mathematics	Poster Presentation	Vel Tech College	01/04/2024
54.	Jamila P	II Year-Mathematics	Math Connect	Vel Tech College	01/04/2024
55.	Dhun Nafesha Fathima F	II Year-Mathematics	Poster Presentation	Vel Tech College	01/04/2024
56.	Saranya S	II Year-Mathematics	Math Connect	Vel Tech College	01/04/2024
57.	Santhosh S	II Year-Mathematics	Poster Presentation	Vel Tech College	01/04/2024
58.	Vignesh M	I Year-Mathematics	Poster Presentation	Vel Tech College	01/04/2024

SCHOLARSHIP

(a) Management Scholarship

S.No	Name of the student	Class
1	Saranya S	II B.Sc Mathematics
2	Nandhini S	II B.Sc Mathematics

(b) Private Sector Scholarship

S.No	Name of the student	Class	Organisation Name
1.	Jamila P	II B.Sc Mathematics	Uyir Foundation

(c) Government Scholarship

Moovalur Ramamirtham Ammaiyaar Scholarship (Pudhummai Penn Scheme)

S.No	Name of the student	Class
1	Sneha L	III B.Sc Mathematics
2	Sneha G	III B.Sc Mathematics
3	Janaki R	III B.Sc Mathematics
4	Shobana K	II B.Sc Mathematics
5	Pavithra A	II B.Sc Mathematics
6	Nithiya S	II B.Sc Mathematics