

**ANNUAL REPORT 2022-2023**  
**DEPARTMENT OF MATHEMATICS**

**TEACHER'S DAY CELEBRATION**

**Ramanujam Forum (Mathematics Association)** celebrated Teacher's day on **05-09-2022 (Monday)** on account of the Birth Anniversary of our second **President Dr. Sarvepalli Radhakrishnan**. The program was organised to commemorate the importance of Teachers.







## GENDER SENSITISATION PROGRAM

The Department of Mathematics in association with IQAC organised an awareness program on the topic “**GENDER SENSITISATION PROGRAM**” on **21-09-2022 (Wednesday)** at 12:30 pm to 2:30 pm. **Mrs. Priya Juliet, Director, Kanya Raksha Foundation**, addressed the gathering. Around 200 students from various departments participated in this awareness program.



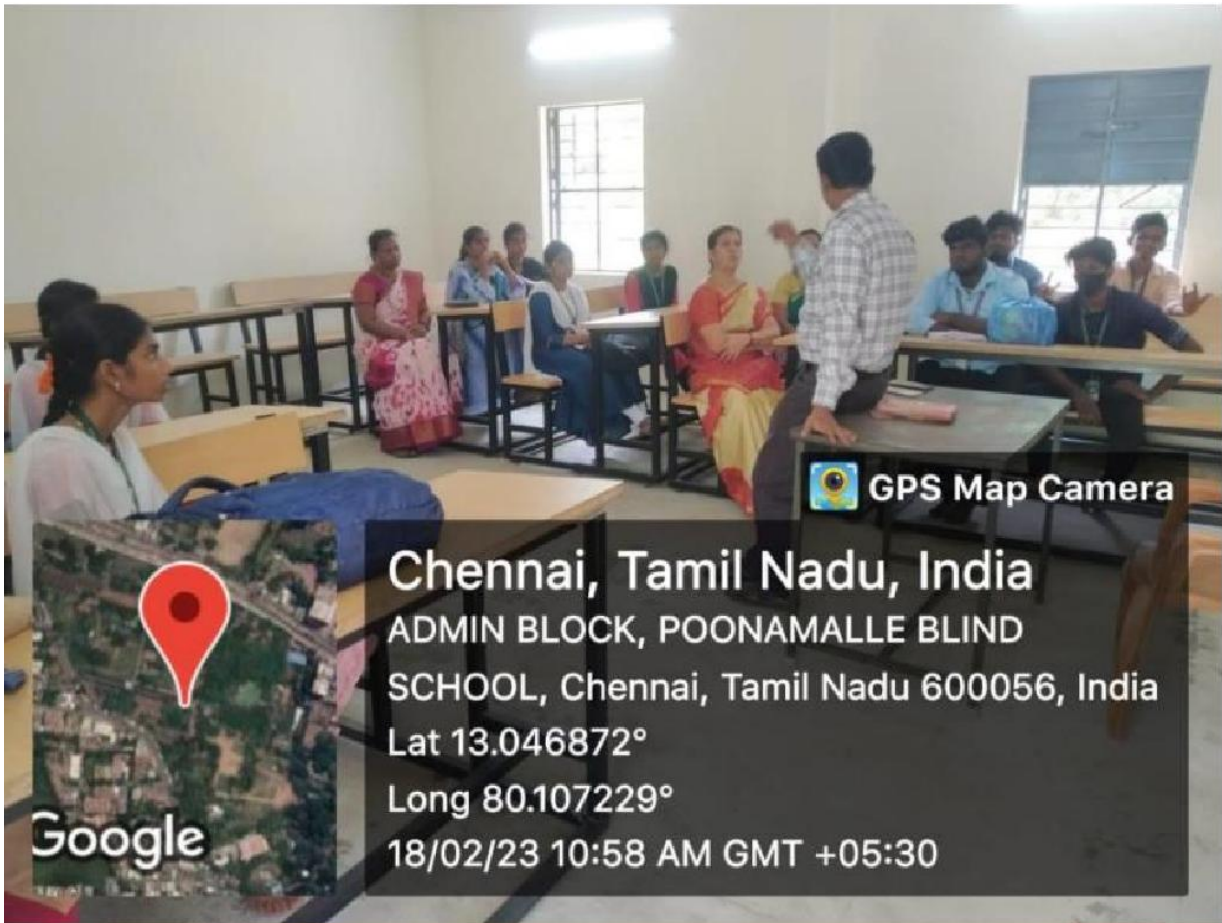


## REPORT ON EXTENSION ACTIVITY

The Students of the Department of Mathematics as a part of their Extension Program paid a visit to Govt. Hr. Sec. School for Visually Impaired, on **18/02/2023 (Saturday)** at Poonamallee, Chennai- 56. 17 Students of the Department accompanied by 3 Staff Members namely Dr. R. Kokila, HOD, Mrs. K. Mohana Devi and Mrs. B. Mohana Priya visited the School for Visually Impaired at about

10 am. The program began with an introduction about the School by Mr.Arulananthan, Principal. He also explained the importance of Social Service and also encouraged the youth to involve in Social Work. The HOD, Dr. R. Kokila, gave a motivational speech for Visually Impaired School students and advised them to improve their talents. Our department students on their part entertained the School Students by narrated stories, motivated them by encouraging words, singing and shared their experiences. Also our students had one to one interaction with them. Our department students gained a new experience apart from regular studies. We thank our Principal Dr. K. Hemalatha for providing this wonderful opportunity for the students.









## FIELD TRIP TO VELLORE

A Field trip was organised by the Department of Mathematics on **10/03/2023**, 21 Students along with Three Staff members of Department of Mathematics Visited Sripuram Golden Temple, The Vellore Fort, Museum and Amirthi Zoological Park near Vellore. The Places visited were very interesting and beautiful. Students learned about the Historical background of the Vellore Fort and its importance in Indian History. The Zoological Park is situated 20 Km from Vellore. The climate was very pleasant and students enjoyed watching different types of birds and animals.







### REPORT ON MATH FEST – 2023

**RAMANUJAM FORUM**, the Association of Mathematics conducted “**MATH FEST 2023**” on **31.03.2023 (FRIDAY)** in the Central Hall. The following events were held in this regard.

- 1. Magazine Release Ceremony**
- 2. Inter departmental Activities**
- 3. Intra departmental Activities**

#### **MAGAZINE RELEASE CEREMONY**

The Programme began with Math Fest 2023 Welcome Address by Athirstaraj. D, Department of Mathematics. The Department Magazine “**Math Quest 2023**” was released by our **Principal i/c Dr.V. Hemalatha**. The principal appreciated the efforts taken by the Staff and Students to bring out the magazine. She also spoke about the latest development in the field of Mathematics. The magazine was received by **Dr.T.Prahalathan, Head, Department of Tamil**, **Mr.V.Kannathasan, Head, Department of Business Administration** and **Mr. R.Nedunchezian, Head, Department of Information System Management**.

**Dr.T.Prahalathan** highlighted the importance of Mathematics in day to day life and explained the various job opportunities available for Maths students. He proudly recollected his memories with Maths students and quoted some interesting incidents with them. **Mr.V.Kannathasan**, gave the full review of the magazine “**Math Quest**”. He appreciated each and every article contributed by staff and students. He quoted some of the interesting articles which made the audiences wonder. **Mr. R.Nedunchezian**, congratulated the students and staff for their efforts to bring out the magazine. The department magazine which is a compilation of students and staff contributions in the form of Poem, Riddles, Facts, applications, Jokes and important updates related to Mathematics showcased the talents of students in a great way.

## **FASHION PARADE**

The Inter Departmental included two Events namely **Fashion Parade** and **Best out of Waste**. The Fashion Parade consisted of 24 students open to both male and female students. Students from various departments participated enthusiastically, decked with beautiful and gorgeous costumes and took part in the show as models. The ramp walk was dazzling with outstanding performances. The students wore colourful and vivid North Indian and Western garments. To mention a few, costumes from North eastern states, Costumes of Brave Women Warriors and stylish western attires stole the show. **Mrs. P.Sudharani, Head, Department of Travel and Tourism Management & Dr. P. Priya, Assistant Professor, Department of Business Administration** were the judges for the event. The Judges posted questions to the participants and students answered well. They declared the following students as prize winners based on the type of costume, walking style, Grace, Confidence level and their ability to answer the queries raised by the judges.

NAME OF THE STUDENT	CLASS	PRIZE
Tamilarasi K	II B.Sc Mathematics	I
Rajalakshmi R	II BA TTM	II
Melvin R Shakila R Saranya J	III BBA II BA TTM II BA Tamil	III

## BEST OUT OF WASTE

In Best out of Waste, 16 students participated. In today's world recycling has a very important place. The competition focused on bringing an understanding among the students about preserving the environment by re-using and re-cycling waste material bringing the best out of it. The students made artificial jewellery, glass bottle painting, decorative wall hangings, Decorative flower vase, Paper lamp etc. The event was judged by **Dr.P.Saraswathi, Assistant Professor, Department of Computer Science**. The results were based on the Creativity, Materials used and finishing of the products displayed and the following prize winners were announced.

NAME OF THE STUDENT	CLASS	PRIZE
V.Janani	II B.Sc Mathematics	I
Dhanush M	II B.Sc Computer Science	II
RukhsarKhatoon Hemalatha A	I BA English III B.Com ISM	III

## INTRA DEPARMENTAL ACTIVITIES INVITATION DESIGNING

Intra departmental activity comprised of the event Invitation Designing. 10 students of our department prepared beautiful and attractive invitations based on

Mathematics themes. The event was judged by **Dr.R.Ramani, Head, Department of Visual Communication.**

NAME OF THE STUDENT	CLASS	PRIZE
Sneha .G	II B.Sc., Mathematics	I
Janaki .R	II B.Sc., Mathematics	II
Gokula Krishnan. G	III B.Sc., Mathematics	III

Finally, the session ended with a vote of thanks. The event not only provided a platform for the students to foster their creativity and decision making skills but also helped them explore their hidden talents and discover new areas of interest.









## **REPORT ON PAPER PRESENTATION**

**Ramanujam Forum (Mathematics Association)** conducted an Intra departmental activity, Paper Presentation Programme for the department students on **22-02-2023 (Wednesday)** in the Conference Hall at 1:30 PM.

The program started with a Prayer song followed by Welcome Address. S.Sivagami of III B.Sc. Mathematics gave the Welcome address. The main organizers of the program were **Dr. A.Balasubramanian and Mr.N. Balamurugan** Asst. Professor, Dept. of Mathematics. In this Program, 11 teams presented papers (PPT) in various Mathematical related topics. Paper presentation topics were Fluid Mechanics, Graph theory, operation Research, and calculus, Application of Trigonometry in real life, Mathematics in our daily life, famous Mathematician, Application of Calculus, and Application of Vectors etc.

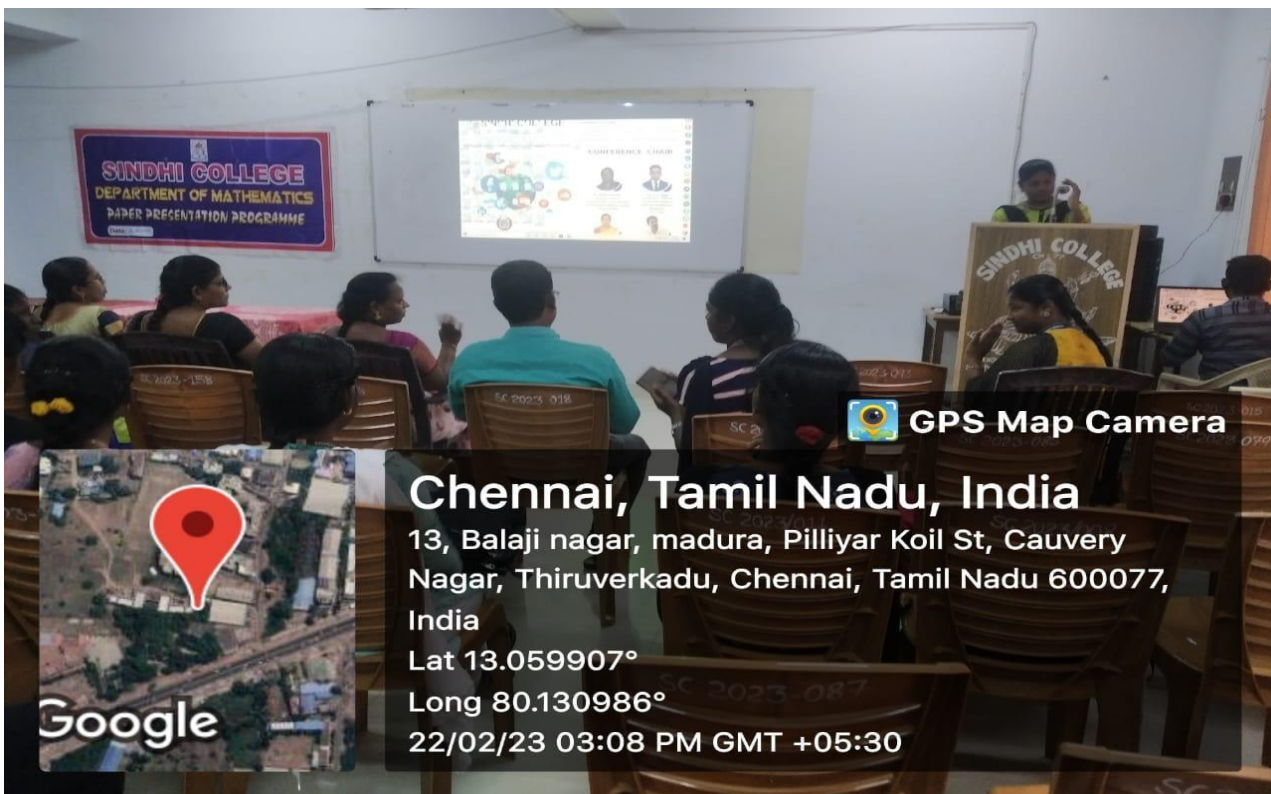
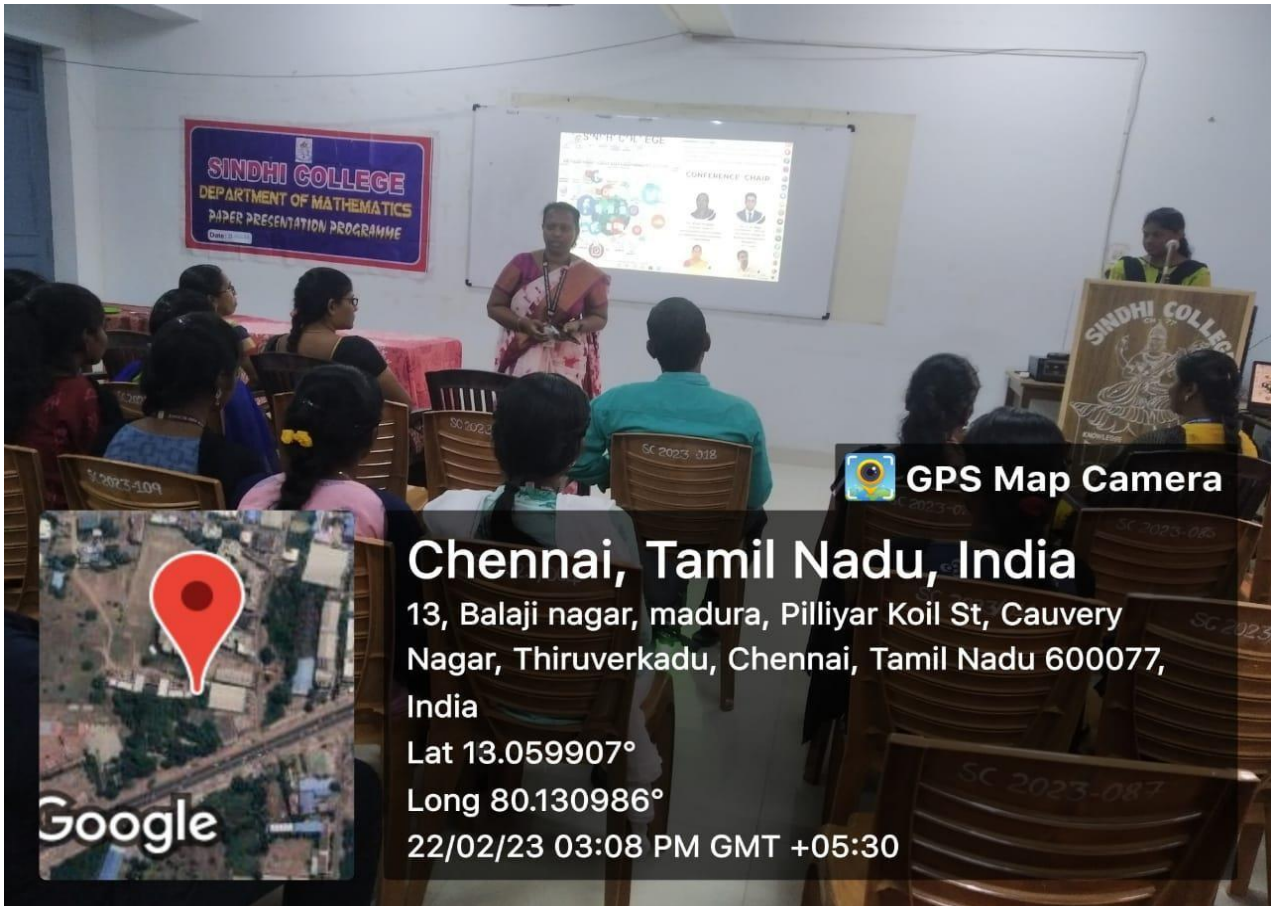
**Mrs. K. Mohanadevi and Mrs. B. Mohana Priya**, Asst. Professor, Dept. of Mathematics were the judges for this event. At the end of the Program, the judges announced the results. The following Students are the winners of the paper presentation.

**I Prize - D. Shalini, III B.Sc., Mathematics**

**II Prize - Dhun Nafesha fathima F, I B.Sc., Mathematics**

**III Prize - S. Sivagami, III B.Sc., Mathematics**

**III Prize - D. Nithya shree, II B.Sc., Mathematics**



## **Report on Quiz Programme**

Ramanujam Forum (Mathematics Association) conducted an inter Departmental activity "**BRAIN TWISTERS**" (Quiz Programme) for the department students on **21-02-2023 (Tuesday)** in **room SF -15** at 12:30 PM.

The program started with a Prayer song followed by Welcome Address. The coordinators of the event were **Dr. A. Balasubramanian and Mr. N. Balamurugan** Asst. Professor, Dept. of Mathematics. Seven teams participated in the Quiz Program. Each team consisted of three students from each of the I, II and III year classes. **Mrs. B. Mohanadevi and Mrs. B. Mohana Priya, Asst. Professors**, Dept. of Mathematics calculated the scores for all the rounds of this Program.

There were 6 rounds in the Quiz program. Questions for the first two rounds were from general knowledge and current affairs. Third round was from sports and connections. Fourth round was from the identification of a famous Mathematician's picture. At the end of the fourth round 4 teams were eliminated due to low scores.

The remaining THREE teams continued their participation for the next two rounds. Questions were asked from Subjects, finding mathematics related words.

At the end of the sixth round, results were announced by the judges. Team – G got I prize, Team – D got II prize and Team – B got III prize.

### **The Winners for the Quiz**

#### **Team G - I Prize**

TEAM G	III MATHS	S. SIVAGAMI
	II MATHS	S. JEEVA
	I MATHS	S. NANDHINI

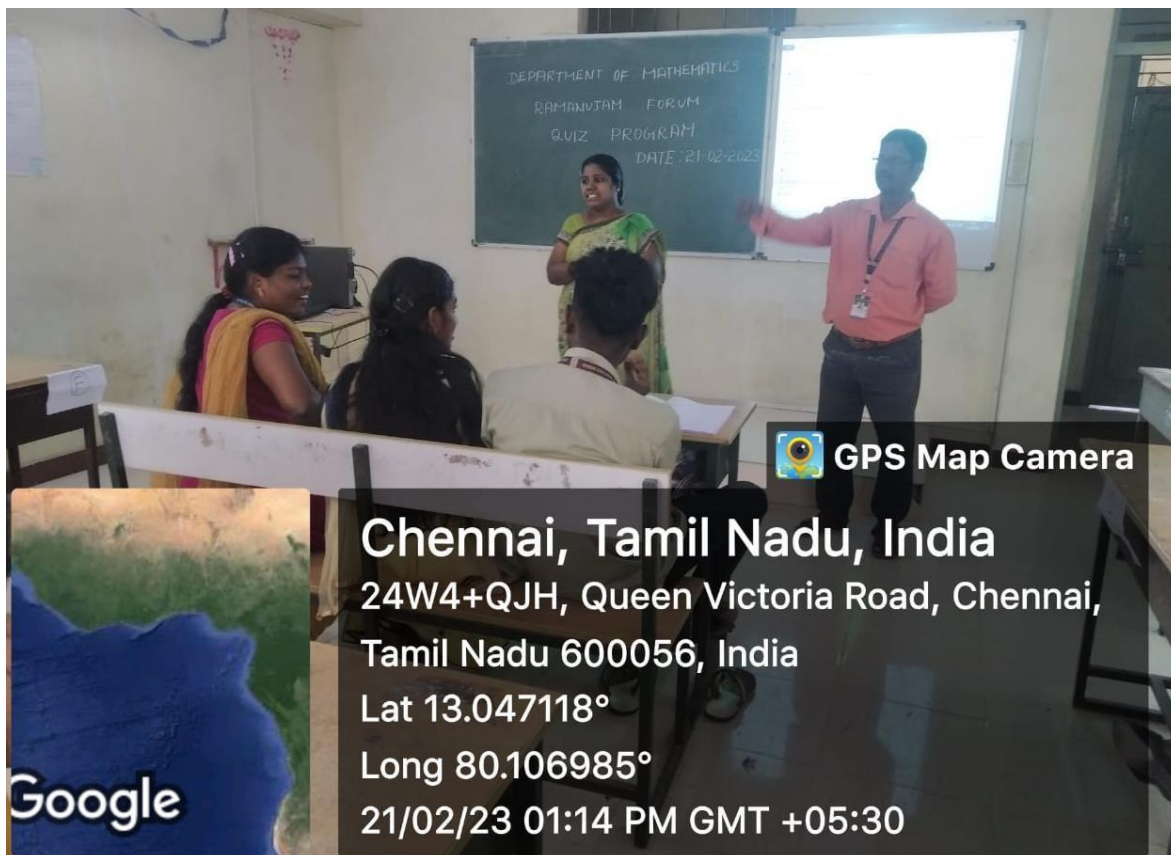
### Team D - II Prize

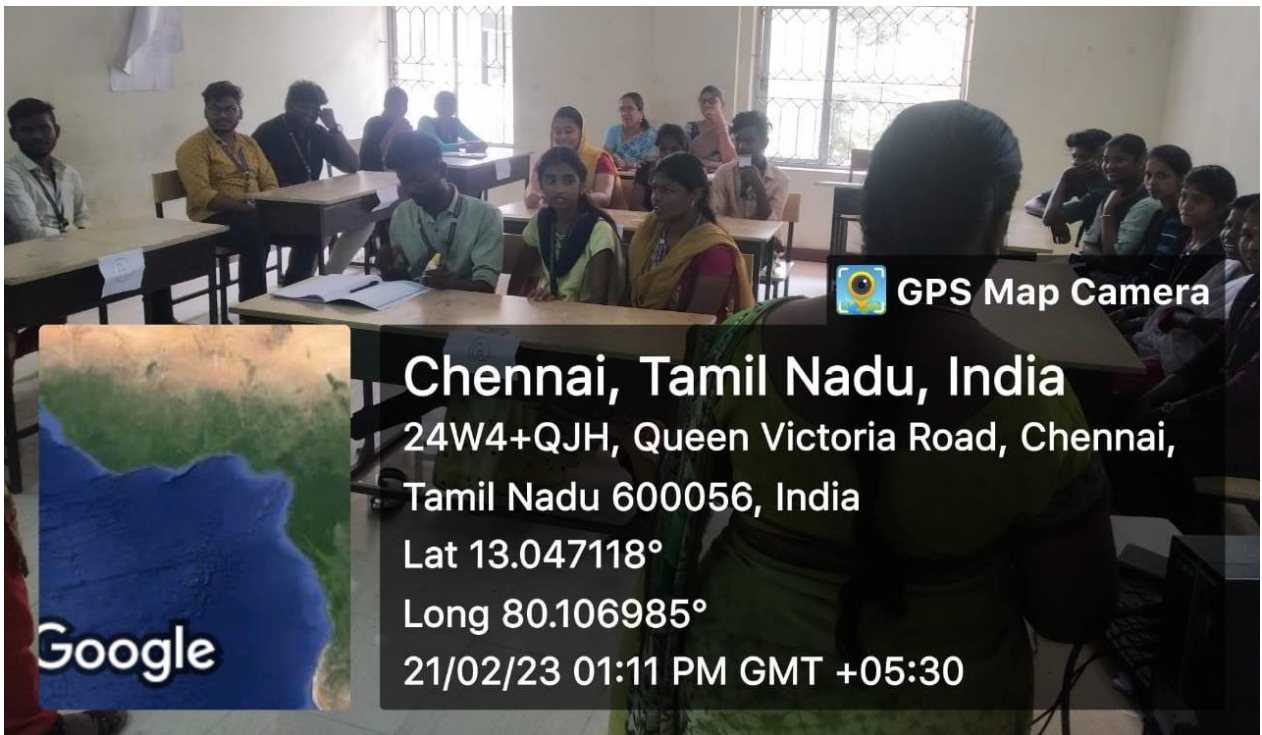
TEAM D	II MATHS	G.SNEHA
	I MATHS	DHUN NAFESHA FATHIMA F
	I MATHS	V. DHANUSH KUMAR

### Team B - III Prize

TEAM B	III MATHS	G. GOKULAKRISHNAN
	II MATHS	E. MANOJ

Overall the program went on well and all the participants were very enthusiastic and good in G.K and subjects. Finally, **S. SIVAGAMI** of **III B.Sc. Mathematics** gave the vote of thanks.





## CONVOCATION (BATCH 2018-2021)

The Convocation for the **Batch 2018-2021** students was held on **08-04-2023 (Saturday)** in our College campus.

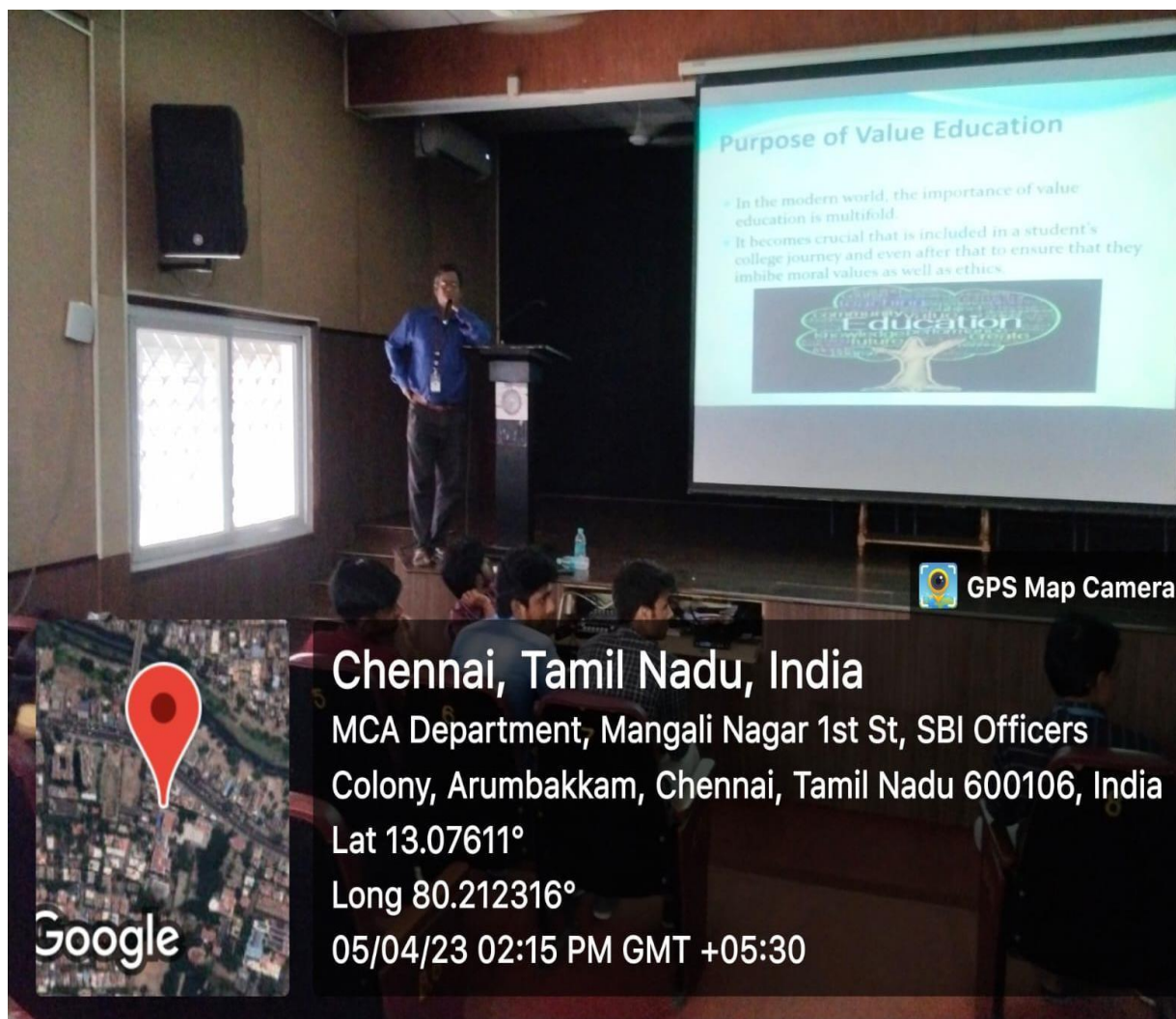


## STAFF ACHIEVEMENTS

**Dr. Jaya Shruthy V.N.**, Assistant Professor, Department of Mathematics presented a seminar on the topic “**Career and Research Trends in Mathematics**” at Soka Ikeda College for Women , Chennai -99 On 22.12.2022.



**Dr. A. Balasubramanian**, Assistant Professor, Department of Mathematics presented a seminar on the topic “ Academic Importance ” at D.G. Vaishnava College, Arumbakkam , Chennai – 106 on 05.04.2023.



### **Research publications of Staff**

The department of Visual Communication organized a National Conference on “Ethical implication of social media and Journalism in the digital Era” in which our staff members presented and published .The details are as follows

S.No	Name of the Staff	Title of the paper	ISBN Number	Date of Publications
1	Dr.R.KOKILA	A study on Celestial Bodies , Galaxies and Universe	978-83-5786-076-5	17/02/2023
2	Dr.A.Balasubramanian	Oscillatory and non – oscillatory properties of Linear Homogeneous Difference equations and its applications to real life	978-83-5786-076-5	17/02/2023

The following Staff Members published the research articles in Scopus indexed Journals in the year 2022-2023.

S.No	Name of the Staff	Title of the paper	Name of the Journal	Year of Publications
1	Dr. V.N. Jaya Shruthy	A hybrid fusion of symmetric encryption techniques with graph labeling	AIP Conference Proceedings (Scopus Indexed)	2516, 210050,Nov(2022)
2	Dr. V.N.Jaya Shruthy	A Hybrid combination of Symmetric and Asymmetric Encryption Techniques with Graph Labeling	AIP Conference Proceedings (Scopus Indexed)	2516, 120002, Nov (2022)
3	Dr.B.Deepa	An improved DNA Cryptosystem based graph labeling technique	AIP Conference Proceedings (Scopus Indexed)	2516, 210001,Nov(2022)
4	Dr. B. Deepa	An enriched cryptosystem based polybius Cipher using graph labeling techniques.	AIP Conference Proceedings (Scopus Indexed)	2516, 210001,Nov(2022)

## Students Achievement

The students of the Mathematics department participated in various Inter-Collegiate Activities in and around Chennai and won the following prizes.

<b>S. No</b>	<b>Student Name</b>	<b>Class</b>	<b>Name of the College</b>	<b>EVENT Name</b>	<b>Date</b>	<b>Prize</b>
1	D.SHALINI  E.DHUN NAFEESA FATHIMA	III B.Sc Maths  I B.Sc Maths	Shri Krishnaswamy College for Women, Chennai	Hairstyle Designing	18-02-2023	III
2	S.SIVAGAMI	III B.Sc Maths	Mahalashmi College for Women, Paruthipattu, Chennai	Second to Second	09-02-2023	Participated
3	A.PAVITHRA	I B.Sc Maths	Alpha College of Arts And Science, Chennai	Jewelry Making	17-02-2023	III
4	D.ATHIRSTAJ  G.GOKULA KRISHNAN	III B.Sc Maths  III B.Sc Maths	Ramakrishna Mission Vivekananda College Chennai	Prof .K.S ubramani an Endowment Talent Search	14-03-2023	Participated

**Department of Mathematics**  
**Staff Cent percent details and Scholarship details**

**Staff Members who produced Cent Percent Result**

S.No	Staff Name	Class	Name of the Subject
1	Mrs. K.Mohana Devi	III B.Sc Mathematics	Algebraic Structures - I
2	Dr. B.Deepa	III B.Sc Mathematics	Real Analysis- I
3	Dr.Jaya Shruthy V N	III B.Sc Mathematics	Dynamics
4	Dr. R.Kokila	III B.Sc Mathematics	Operations Research

**Overall pass percentage**

Pass percentage for III B.Sc Mathematics in V Semester (Nov 2022) – 75 %

Overall percentage for III B.Sc Mathematics upto V Semester (Nov 2022) – 75

**% Management Scholarship**

S.No	Name of the student	Class
1	Nithya Shree.D	II B.Sc Mathematics
2	Sneha.K	II B.Sc Mathematics
3	Dhun Nafesha Fathima F	I B.Sc Mathematics

**Government Scholarship**

1. Central Sector Scheme Scholarship for College and University students.

S.No	Name of the student	Class
1	Nithiya S	I B.Sc Mathematics

## 2. Moovalur Ramamirtham Ammaiyaar Scholarship (Pudhummai Penn Scheme)

S.No	Name of the student	Class
1	Shobana K	I B.Sc Mathematics
2	Pavithra A	I B.Sc Mathematics
3	Nithiya S	I B.Sc Mathematics

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