

# DEPARTMENT OF MATHEMATICS

## ANNUAL REPORT

### REPORT ON SEMINAR

**Ramanujam Forum** (Mathematics Association) organised a Seminar on the topic, “**Various Developments and Applications of Mathematics**” for the department students on **10-12-2021(Friday)** at **10:00AM**.

**Mrs. J. Prabha**, Associate Professor, Anna Adarsh College for Women, Anna Nagar, Chennai, delivered a lecture on the topic providing insights into the Numerous Applications and Recent Advancements in the field of Mathematics. The Welcome Address and Chief Guest introduction was delivered by **Dr. R. Kokila**, Head, Department of Mathematics. **Dr. V. Hemalatha**, Principal i/c, graced the occasion by delivering the Keynote Address regarding the Seminar.

The Seminar showcased applications of Mathematics in daily life enabling the students to understand the underlying principle behind its working. The students were also encouraged to pursue Higher studies and Research in many flourishing areas of Mathematics like Statistics, Graph theory, Cryptography, Mechanics, Coding Theory, Queuing Models, in Medical Field, Criminology etc. The session was an eye - opener for students as they gained immense knowledge regarding the scope of Mathematics and its day to day implementation. Overall, the seminar was both educative and informative to the staff as well as the students was a grand success.



## **REPORT ON ONLINE QUIZ**

An Inter Departmental Activity **“ONLINE QUIZ”** was conducted from **19/12/2021** to **22/12/2021** for all the U.G classes. Nearly **115** students appeared for the test from all over Tamil Nadu. This test kindles the knowledge in Quantitative Aptitude, Current affairs, Math connections and General knowledge of the students thereby enabling them to face various competitive exams for their career with ease.

# **REPORT ON**

## **NATIONAL MATHEMATICS DAY**

### **CELEBRATION**

On the remembrance of our eminent Indian Mathematician Srinivasa Ramanujan, National Mathematics Day was celebrated on **22-12-2021 (Wednesday)**. Regarding this, Ramanujam Forum (Mathematics Association) conducted Inter-departmental competitions for our students on “**Ramanujan’s Life & Achievement**”.

The various competitions were:

- 1. ONLINE QUIZ**
- 2. COLLAGE**
- 3. PENCIL DRAWING**
- 4. POWER POINT PRESENTATION**
- 5. POSTER PRESENTATION**

On **22-12-2021**, Inter Departmental Activities **Poster Presentation, Collage** and **Pencil drawing** was conducted in Central Hall at 12:30 PM. In **Collage** eight students participated. Students designed Ramanujan’s picture using waste materials like bits of soap paper, glitter papers, broom sticks and paper cups. In the next event, **Poster Presentation** thirteen students participated. Students devised modern posters on the topic of Ramanujan’s life history and his achievements and displayed their ideas on a chart paper using colour papers, newspapers, and sketch pens, crayons etc. **Mrs. L.I Mary Pauline, Assistant Professor, Department of Commerce** was the judge for the event. The main organizers of the program were **Mrs. V.N. Jaya Shruthy** and **Mrs. B. Deepa, Assistant Professors, Department of Mathematics**. The next program was **Pencil Drawing**. In Pencil drawing thirty seven students participated and portrayed the picture of Srinivasa Ramanujan. **Dr. R. Ramani, Head, Department of Visual Communication** was the judge for the event. **Mrs.**

**G. Menaka, Assistant Professor, Department of Mathematics** was the in-charge of the pencil drawing event.

Another Inter Departmental activity **“PAPER PRESENTATION PROGRAM”** was conducted by “Ramanujam Forum” on **22/12/2021** in the Conference Hall at 1:30 PM. This program started with a Prayer song followed by Welcome Address by **Dr. R. Kokila, Head, Department of Mathematics**. Nine teams participated and presented papers on the topics related to Ramanujan’s life history and his achievements. Almost all the participants had the knowledge of Power-Point presentation and excelled their best in the competition. **Dr. A. Sairam, Head, Department of Corporate Secretaryship** gave motivational speech for our students and judged the presentation along with **Dr. R. Kokila, HOD, Department of Mathematics**. **Mrs. K. Mohana Devi, Assistant Professor** was in charge of the event Powerpoint presentation.

All the participants were very enthusiastic and good in every competition. Finally, A. Malini of III B.Sc., Mathematics gave the vote of thanks to all. Overall the event was a grand success and we express our sincere thanks to our **Management** and the **Principal** who supported us to conduct all these programs successfully.

**POSTER PRESENTATION:**

S.No.	Student’s Name	Class	Prize
1	D.SHALINI	II B.SC MATHS	I
2	G.SNEHA S.SANGAVI	I B.SC MATHS II B.COM (G) ‘C’	II
3	S.SIVAGAMI	II B.SC MATHS	III

**COLLAGE:**

S.No.	Student’s Name	Class	Prize
1	V. JANANI	I B.SC MATHS	I
2	M.H.NEHA JEEVA.S	III BCA I B.SC MATHS	II
3	V. SUNEERAM NISHANTHI	II B.COM ‘ISM’ II B.COM ‘ISM’	III

### POWERPOINT PRESENTATION:

S.No.	Student's Name	Class	Prize
1	K.SARANYA	III B.SC MATHS	I
2	NITHYASHREE	I B.SC MATHS	II
3	K.J. SATHYA REKHA S. SIVAGAMI	II B.COM 'C' II B.SC MATHS	III

### PENCIL DRAWING:

S.No.	Student's Name	Class	Prize
1	P.VARATHARAJA PERUMAL	I B.COM (CS)'B'	I
2	M.S.JAGANATHAN	I BCA	II
3	M.H. NEAHA S.SANDHIYA	III BCA III B.SC MATHS	III

## NATIONAL MATHEMATICS DAY CELEBRATIONS





## **POWER POINT PRESENTAION**



## PENCIL DRAWING



## COLLAGE



## Report on Visit to Birla Planetarium

The Students of the Department of Mathematics, as a part of their Extension Activity (Educational Trip) program, paid a visit to **B. M. Birla Planetarium** (Periyar Science and Technology Centre) , on 13/04/2022 (Wednesday) at Kotturpuram, Chennai. **22 Students** of the Department accompanied by 4 Staff Members namely **Dr. R. Kokila, Head, Department of Mathematics, Mrs. K. Mohana Devi, Mrs. B. Mohana Priya, Mr. G. Gokul Vijay** visited the Birla Planetarium at about 11.00 am.

**B. M. Birla Planetarium** is a large planetarium in Chennai providing a virtual tour of the night sky and holding cosmic shows on a specially perforated hemispherical aluminium inner dome. The fifth in the country, B. M. Birla planetarium is located at Kotturpuram in the Periyar Science and Technology Centre campus which houses eight galleries, namely, Physical Science, Electronics and Communication, Energy, Life Science, Innovation, Transport, International Dolls and Children & Materials Science, with over 500 exhibits.

Our students watched the 5D shows related to the solar system, sky, comets, and different types of stars around 12 noon. They gained knowledge about how the solar system moves, the study of seasons and comets, the cause for seasons, the expenditure of Man on the moon and planets. They also watched 3D shows related to Aluadeen history.

The students later on visited the Math lab atomic energy museum, Missiles, Satellites, Shake pendulum, World clock virtual harp, Ocean gallery, Locomotive boiler, determining the Age of tree, calculation of Muscles power, the working of battery, Progress of India in Space (different types of satellites), Visualizing sound, Infinity well, Infinity train moving rows, Transport gallery, Four cylinder engine, Left right conflicts. In the Maths lab, the students also explored a variety of games and formulae which are related to Mathematics Tricks. And also visited earth on a sphere. The students also gained information about the weather conditions of places, the cyclone and temperature variations, ozone layer depletion and increase in the earth atmospheric temperature.

Overall this educational trip was very informative to our students and staff.



## Visit to Birla Planetarium





## **Report on Quiz Programme**

Ramanujam Forum (Mathematics Association) conducted an Intra Departmental activity Quiz Programme for the department students on **06-05-2022** at 12:30 PM.

This program started with Welcome Address by Dr. R. Kokila, M.Sc., M.Phil., Ph.D., Head Department of Mathematics gave motivational speech for our students. The co-coordinators are Dr. A. Balasubramanian and Mr. G. Gokulvijay. Nine teams participated in the Quiz Program. Each team consists of two students from each of the I, II and III year classes. Mrs. K. Mohana Devi 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 2 teams were eliminated due to low score. The remaining seven teams continued their participation for the next two rounds. Questions were asked from Solving Puzzles, finding mathematics related words. At the end of the sixth round, results were announced by the judges.

Team – A got I prize, Team – E got II prize and Team – F got III prize.

## The Winners for the Quiz

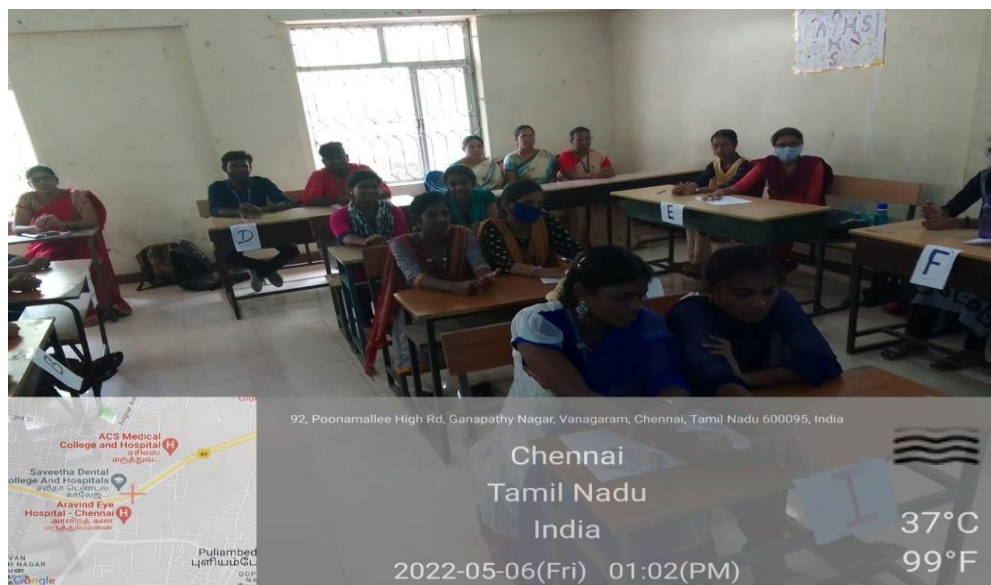
S.No.	Name	Class	Prize
1	G. Gokula Krishnan S. Jeeva	II B.Sc Mathematics I B.Sc Mathematics	I
2	D.H. Shreya L. Sneha	III B.Sc Mathematics I B.Sc Mathematics	II
3	K.Vishnupriya D. Shalini	III B.Sc Mathematics I B.Sc Mathematics	III

All the participants were very enthusiastic and good in G.K and subjects.  
Finally, S. SANDHIYA of III B.Sc. Mathematics gave the vote of thanks to all.

## **QUIZ PROGRAMME**







## **REPORT ON MATH FEST**

An Inter-Departmental activity, “**Math Fest**” was conducted on **07-05-2022 (Saturday)** in the Central Hall. Various competitions like **Traditional Dress Competition and Cooking without Fire** were conducted for the benefit of the students.

Traditional dress competition was conducted in Central Hall from 9:30 a.m. to 11:30 a.m. to develop confidence in the students and explore the traditions and culture of our country. Sixteen students from various departments of our college participated enthusiastically and explained about the speciality of our Indian culture. The programme was organised by Mrs. K. Mohana Devi and Mrs. Menaka, Assistant Professors Department of Mathematics. Dr. Kokila, Head Department of Mathematics gave the welcome address and Mrs. Mohana Devi narrated the rules and regulations to the participants. The judges of the event were Mrs. Ramani, HOD, Department of Visual Communication and Mrs. Sudha Rani, HOD, Department of Tourism and Travel Management. They judged the participants based on their outfit and the way they carried themselves on stage. The winners of the competition were

NAME OF THE STUDENTS	CLASS	PRIZE
K.SWETHA	III BCA	I
R. VIPIN	III BCOM(CS)’B’	II
M.DURGA	II BA(ENG)	III
E.NANTHINI	III BCA	

## TRADITIONAL DRESS COMPETITION



The event “**Cooking without Fire**” was conducted at 11:30 am to 12:30 am in rooms GF- 8 and GF-14 respectively. Nearly 21 students participated in the event and displayed their culinary skills. The Competition was organized to



exhibit the value of traditional foods, their nutritional value and importance to include them in our day to day life. The students prepared food items which included sweets and savories of beaten rice flakes, Raw fruits and vegetable salads, Tender coconut kheer, Carrot Ladoo, Carrot Kheer, Panakam, Mixed fruit panchamirutham, Dry fruit Ladoo, Fried gram Ladoo, etc. to mention a few.

The students explained the preparation of the food items and also displayed their names with ingredients and the nutritional benefits. The programme was organized by Assistant Professors **Dr. Jaya Shruthy V.N and Mrs. B. Mohana Priya** of Mathematics Department. The judges of the event were **Dr. S. Shobana, HOD, English Department** and **Mrs. C. Maheswari, HOD, MSW Department**. The judges tasted the dishes and shared their views and opinions and applauded the students for their active participation. Our **Principal, Dr. V. Hemalatha** graced the occasion by visiting the venue and encouraged the participants. Later on staff from other departments also visited the stalls and appreciated the efforts of the students. Finally the judges gave their valuable suggestions and congratulated the students for their enthusiastic participation and finally announced the prize winners.

Name of the students	Class	Prize
G .Shahitha	I M.Com (G)	I
E. Yuvashree	II B.A, Economics	
K. Devi	III B.Com	II
G. Sneha	I B.Sc Mathematics	
K. Lathikasaran	I M.Com	III
K. Anandhi	II B.A Economics	

## COOKING WITHOUT FIRE



Another Intra-Departmental activity, **Invitation Preparation and Best out of Waste** was conducted on **07-05-2022 (Saturday)** in the Central Hall. The competitions were conducted to exhibit the various skills of students. The students of the event, Best out of Waste, made Newspaper paper dolls, Hanging tree made out of cardboard and glass, Newspaper bag, Wall decorative items using charts and papers etc. In Invitation preparation, the students prepared invitations for the event “MathFest” by designing various greetings cards namely Butterfly greeting card, Traditional Palm leaf model greeting card, Overleaf model greeting card decorated with chumkees and paper flowers.

The programme was organized by Assistant Professors **K. Mohana Devi, Mrs. B. Mohana Priya** and **Dr. A. Balasubramanian** of Mathematics Department. The judges of the event was **Dr. R. Kokila, HOD, Mathematics Department**. The judges gave their valuable suggestions and appreciated the students for their enthusiastic participation and finally announced the prize winners.

#### **INVITATION PREPARATION:**

S.No.	Student's Name	Class	Prize
1	K. TAMILARASI	I B.SC MATHEMATICS	I
2	SIVAGAMI S	II B.SC MATHEMATICS	II
3	G. SNEHA	I B.SC MATHEMATICS	III

#### **BEST OUT OF WASTE:**

S.No.	Student's Name	Class	Prize
1	K. SNEHA	I B.SC MATHEMATICS	I
2	V. JANANI	I B.SC MATHEMATICS	II
3	G. SNEHA	I B.SC MATHEMATICS	III

## INVITATION PREPARATION & COOKING WITHOUT FIRE

