

Queen Mary's College(Autonomous),Chennai-04

PG and Research Department of Mathematics

Report of Mathematics Association activities

Academic Year 2022-2023

MATHEMATICS ASSOCIATION INAUGURATION -31-10-2022

The inauguration of the mathematics association was held on 31-10-2022. **Dr. C.P. Rosy Fernando, Founder & COE, Startup Solutions, Chennai** was the chief guest for the programme and delivered a talk on **“Design your own Success”**.

Dr. Annantha Lakshmi, COE, Queen Mary's College litted the kuthuvilaku followed by Head of the department Dr. P. Punithavathi, the co-ordinators and the office bearers of the association.

The following office bearers of the association were introduced by the Co-ordinators (Ms. K. Gomathi and Dr. K. Sumathy).

1. R. Keerthana, III B.Sc Mathematics E.M- Secretary
2. G. Bakkiyalakshmi, III B.Sc Mathematics T.M -Joint Secretary
3. Cathrine Jewell, III B.Sc Mathematics Shift-II- Joint Secretary
4. J.V. Ayisha Banu, III B.Sc Mathematics E.M -Office bearer
5. S. Muniammal, III B.Sc Mathematics T.M -Office bearer
6. V. Komathi, III B.Sc Mathematics Shift-II- Office bearer
7. M. Nandhini Kumari, II M.Sc Mathematics- Research Club Secretary
8. T. Aarthi, I M.Sc Mathematics - Research Club Joint Secretary

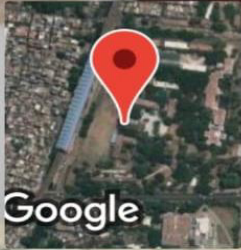
Student Co-ordinators:

1. Geetha, II M.Sc Mathematics
2. Divya, II M.Sc Mathematics





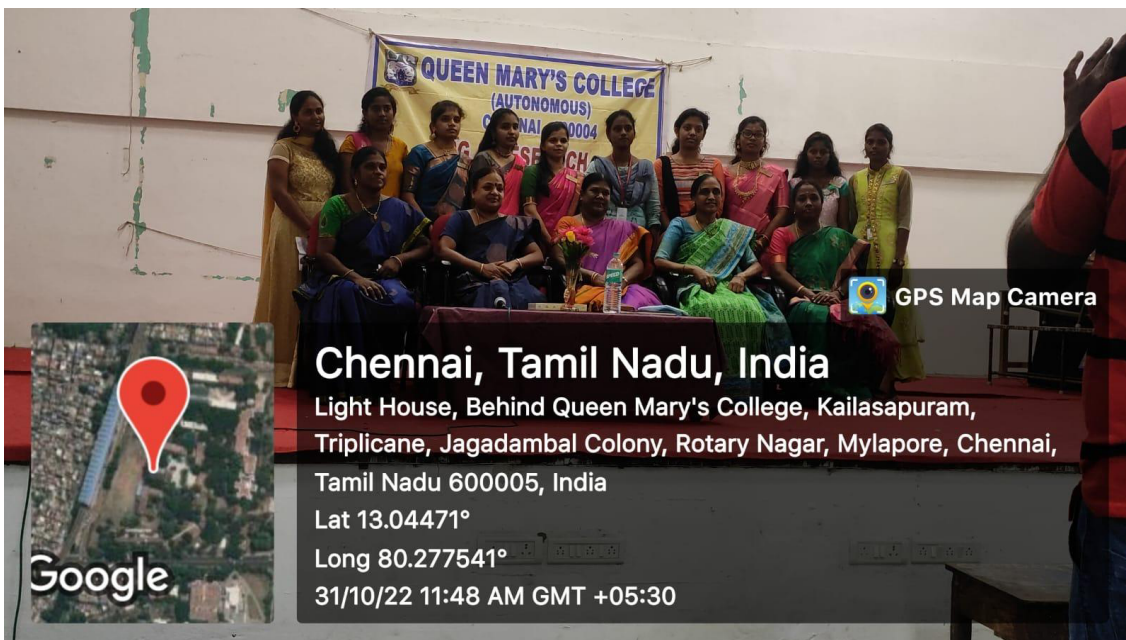
GPS Map Camera



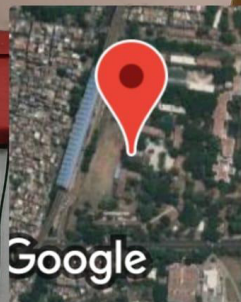
Google

Chennai, Tamil Nadu, India

Light House, Behind Queen Mary's College,
Kailasapuram, Triplicane, Jagadambal Colony, Rotary
Nagar, Mylapore, Chennai, Tamil Nadu 600005, India
Lat 13.044691°
Long 80.277504°
31/10/22 12:08 PM GMT +05:30



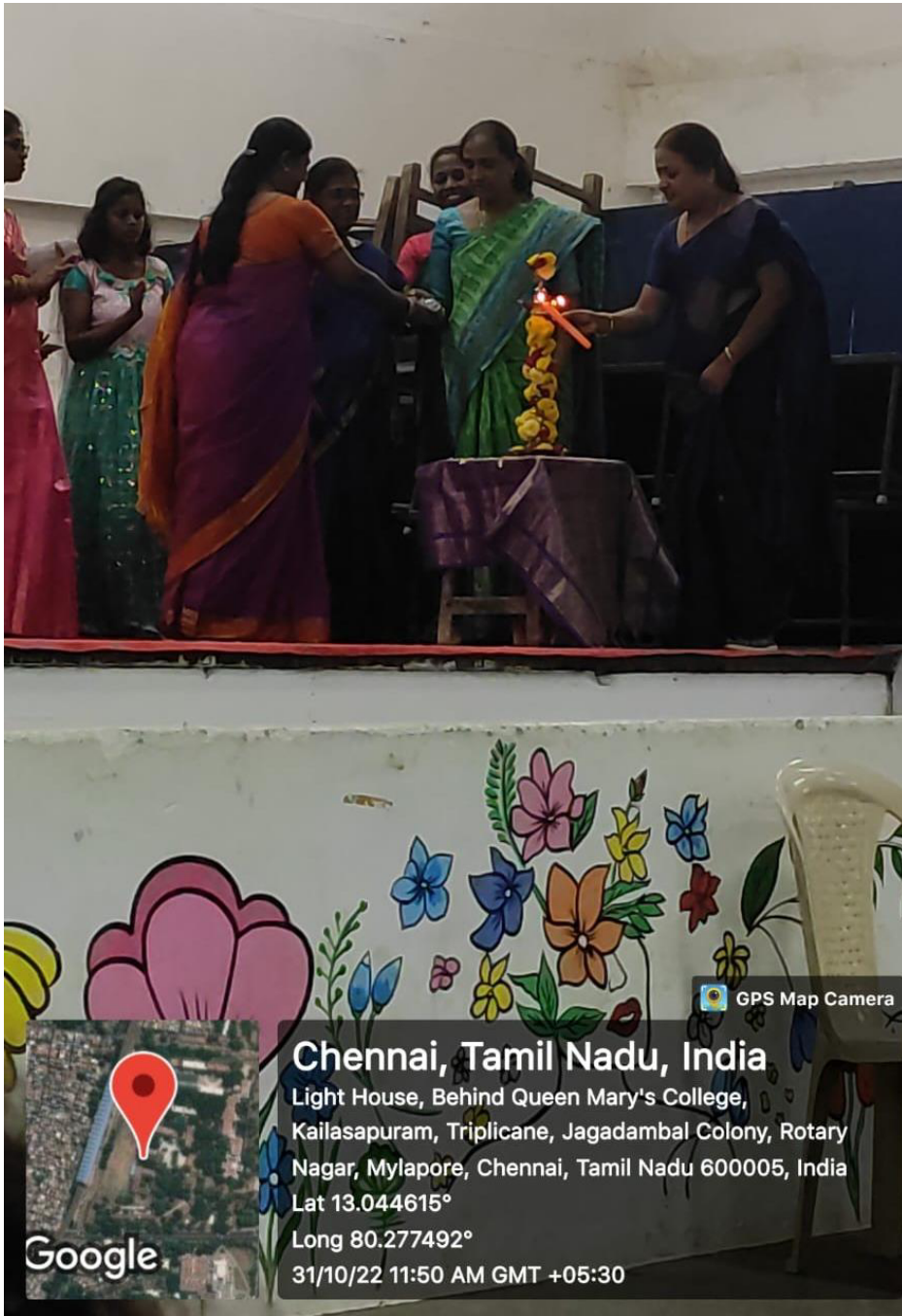
GPS Map Camera



Google

Chennai, Tamil Nadu, India

Light House, Behind Queen Mary's College, Kailasapuram,
Triplicane, Jagadambal Colony, Rotary Nagar, Mylapore, Chennai,
Tamil Nadu 600005, India
Lat 13.04471°
Long 80.277541°
31/10/22 11:48 AM GMT +05:30



GPS Map Camera

Chennai, Tamil Nadu, India

Light House, Behind Queen Mary's College,
Kailasapuram, Triplicane, Jagadambal Colony, Rotary
Nagar, Mylapore, Chennai, Tamil Nadu 600005, India
Lat 13.044615°

Long 80.277492°

31/10/22 11:50 AM GMT +05:30

Google



Students from PG and Research Department of Mathematics, Queen Mary's College, Chennai participated in the 47th Trade Fair on 7/1/2023 and 8/1/2023 to demonstrate mathematical models. Magic squares made visitors particularly school students to develop interest towards mathematics. The mystery of Konigsberg bridge problem created an impact among the visitors that solving this problem developed a new area Graph Theory in mathematics. As trigonometric values depicted through unit circle created shortcut method to remember easily, visitors admired the model very much. Also, properties of triangles, square, rectangles etc. were verified through a model. On the whole, young minds were attracted towards learning the subject of mathematics.





Chennai, Tamil Nadu, India

War Memorial, Port Trust Officers Quarters,
Sathya Nagar, Chennai Port Trust, Chennai,
Tamil Nadu 600009, India

Lat 13.072738°

Long 80.284483°

08/01/23 01:10 PM GMT +05:30

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Pongal was Celebrated by the department on 13-01-2023, many of our students were actively participated.



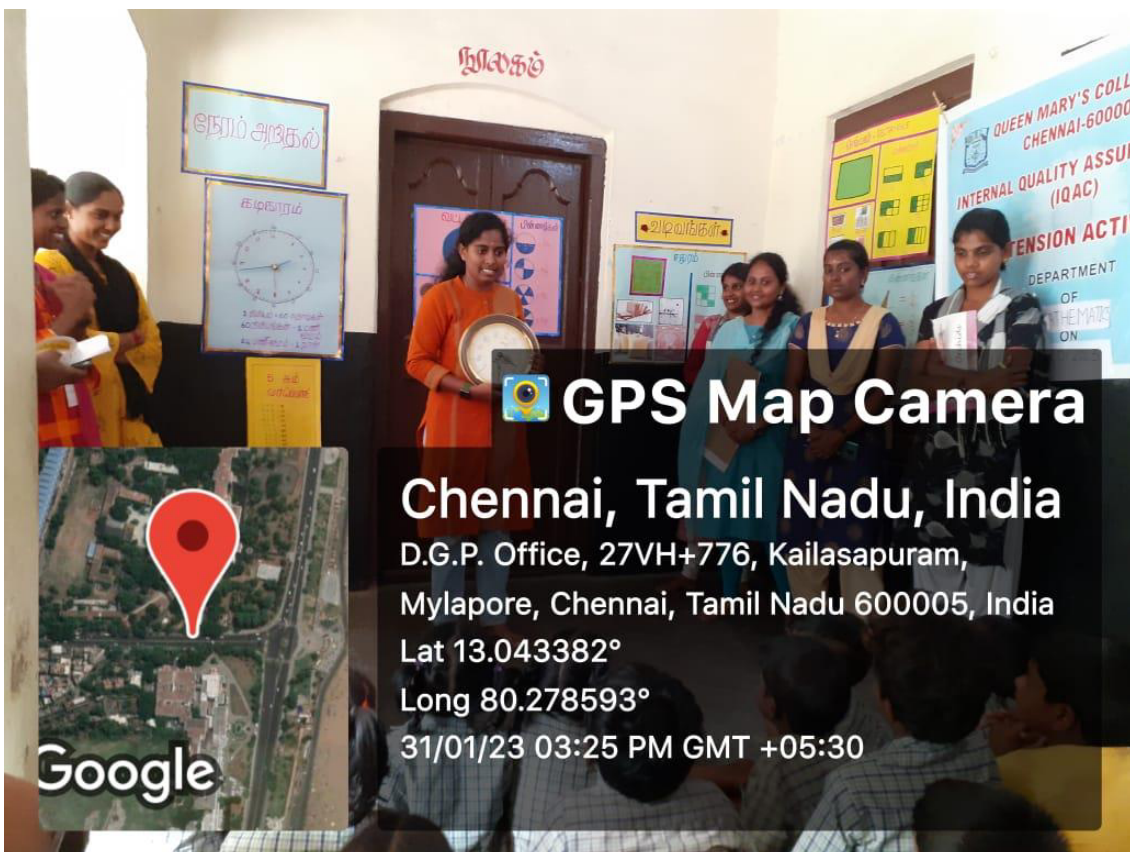


As a part of the IQAC – Extension activity, on 31.01.2023, students of II M Sc Mathematics , volunteered themselves in teaching various mathematical concepts to the children of age group between 4 years to 10 years studying in class I to V in Social

service league school situated inside Queen Mary's College campus. Faculty members of the department of Mathematics were also present during the program.



Concepts of Fractions, Shapes, Time, Measurements, Ascending & Descending order and Magic square were explained using real models and Charts. Children were very interactive and enjoyed learning. Pencils and colour crayons were distributed to the children.








A special lecture on the topic “**Mobile Agents of Graphs**” was conducted on 3rd February, 2023 by the **Ramanujan Research club** of the PG and Research Department of Mathematics, Queen Mary’s College. Dr. John Augustine, Professor of the Department of Computer Science, IIT Madras was invited to deliver the special lecture. The lecture was attended by the PG students and Research Scholars of the department.

The program started with the Tamil Thai vazhthu by the PG students, followed by the welcome speech by Dr. P. Punithavathi, Associate Professor and Head of the Department of Mathematics. The Presidential address was given by Dr. Varalakshmi, Associate Professor and Principal – incharge. The chief guest was then introduced by Dr. J.D. Emerald, Assistant Professor of the department of Mathematics and incharge of the Ramanujan Research club.


Dr. John Augustine gave a clear presentation on the topic “Mobile Agents of Graphs” to show how Graphs can be modelled using mobile agents which can be used in drones sent inside a building on fire or into a forest area to locate someone. The lecture was very motivating and opened the eyes of the students to pursue research in that area. He also encouraged the students to take up research in IIT, which provides a good platform to do research.

The President of the research club finally gave the Vote of Thanks, followed by the National Anthem.




 **QUEEN MARY'S COLLEGE, (A) CHENNAI - 04**
PG AND RESEARCH DEPARTMENT OF MATHEMATICS

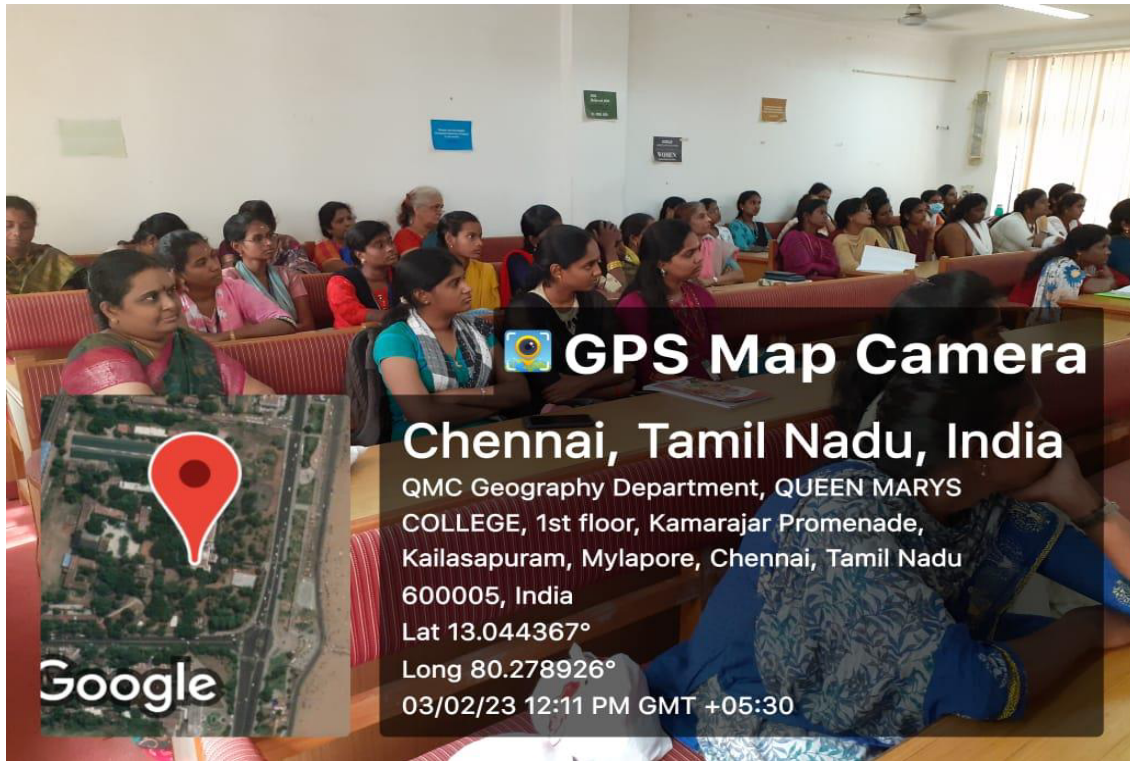
RAMANUJAN RESEARCH CLUB

Special Lecture on
Mobile Agent  **GPS Map Camera**

Chennai, Tamil Nadu, India

QMC Geography Department, QUEEN MARYS COLLEGE, 1st floor, Kamarajar Promenade, Kailasapuram, Mylapore, Chennai, Tamil Nadu 600005, India
Lat 13.044338°
Long 80.278952°
03/02/23 11:19 AM GMT +05:30





Association Cultural Programme – QMATH 22-23

To encourage the talent of the students, various inter class competitions were conducted on 7-2-2023 , 11-2-2023 and 13-2-2023.

On Stage Events: 7-02-2023

1. Debate
2. Oratorical
3. Solo Song
4. Group Song
5. Solo Dance
6. Group Dance
7. Fashion Show - Bridal Makeup

Off Stage Events: 11-02-2023

1. Mehendhi
2. Rangoli
3. Poster Making
4. Math Modelling


Off Stage Events: 13-02-2023

1. Treasure Hunt
2. Potpourri
3. Quiz



The Valedictory Function was held on 3-3-2023, Dr. R. Stella Stella Maragatham, Assistant Professor, Department of Mathematics, Queen Mary's College delivered a talk on the topic "Different Kinds Of Numbers" and distributed the prizes to the Winners of the events conducted by the department. Overall Shield was won by III B.Sc Mathematics English Medium Shift-I.



 **GPS Map Camera**

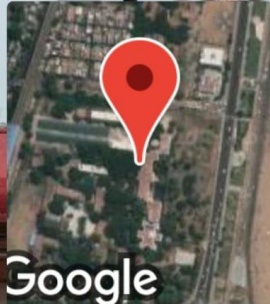
Chennai, Tamil Nadu, India


MAIN BLOCK, QUEEN MARYS COLLEGE, Kailasapuram,
Mylapore, Chennai, Tamil Nadu 600005, India

Lat 13.04548°

Long 80.278871°

03/03/23 11:05 AM GMT +05:30



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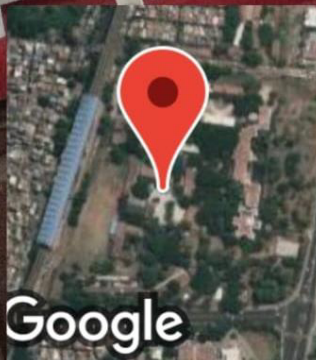
Chennai, Tamil Nadu, India

COMPUTER BLOCK, QUEEN MARYS COLLEGE,
Kailasapuram, Mylapore, Chennai, Tamil Nadu
600005, India

Lat 13.044861°

Long 80.277952°

03/03/23 11:26 AM GMT +05:30





QUEEN MARY'S COLLEGE(AUTONOMOUS), CHENNAI
 DEPARTMENT OF MATHEMATICS- ASSOCIATION ACTIVITIES 2022-2023
 PRIZE LIST (07-02-2023 , 11-02-2023 & 13-02-23)

S.NO	EVENT	PRIZE	LOT NO	CLASS	STUDENTS LIST
1	DEBATE	WINNER		II M.SC	NANDHINI KUMARI. M
				III B.SC - E.M(S-1)	SONIYA. S

				III B.SC - E.M(S-1)	KAVITHANJALI. R	
				III B.SC - E.M(S-1)	MANORANJANI. M	
				II B.SC - S2	SAKTHI PRIYA. P	
				II B.SC T.M (S-1)	VASANTHA KUMARI. N	
		RUNNER		II M.SC	LAVANYA. S	
				III B.SC - E.M(S-1)	SNEGAPRIYA. N	
				III B.SC - E.M(S-1)	SARASWATHI. R	
				III B.SC - E.M(S-1)	MONIKA. S. G	
				II B.SC - S2	RAJAKUMARI.K	
				I B.SC - E.M(S-1)	JANANI. L	
2	SPEECH		I	1	I M.SC	DHAYASHREE. Y
			II	4	III B.SC - T.M(S-1)	BAKKIYALAKSHMI. G
			III	3	III B.SC - E.M(S-1)	SARASWATHI.R
3	SOLO SONG	I	5	III B.SC - E.M(S-2)	CATHRINE JEWELL	
		II	3	III B.SC - E.M(S-1)	BIULA EPSIBA. A	
		III	6	II B.SC E.M (S-1)	LOGESHWARI. M	
4	GROUP SONG	I	6	II B.SC E.M (S-1)	PAVITHRA .S	
					JONAT JEMILA. J	
					SATHYA PRIYA. J	
					JANNATH VISAIBA. A	
					RAJESWARI.M	
					LOGESHWARI.M	
		II	2	II M.SC	NANDHINI KUMARI. M	
					TAMILSELVI. M. V	
					LAVANYA.S	
					PAPITHA. A. K	
		III	1	I M.SC	SOWNDHARYA. P	
					AARTHI. T	
					RUBASRI. M	
					INDHUMATHI	
					PADMASRI.V	
VANITHA.B						
5	SOLO DANCE	I	3	III B.SC - E.M(S-1)	BIULA EPSIBA. A	
		II	1	I M.SC	VINOTHINI.K	
		III	7	II B.SC T.M (S-1)	JAYADEVI.P	
			9	I B.SC - E.M(S-1)	RAMYA.N	
6	GROUP DANCE	I	6	II B.SC E.M (S-1)	POOJA.M	
					PAVITHRA .S	
					BHAKYA.S	
					PRIYADHRSHINI.S	
					SUVITHA.V	
					DHAKSHANAPRIYA.C	
		II	1	I M.SC	SOWNDHARYA. P	
					AARTHI.T	
					VANITHA.B	
					DHARANI.V	
					PADMASRI.V	
					SARUNITHI.M	
					8	II B.SC - E.M(S-2)
SUMATHI.P						
PRIYANGA.R						

					PREETHI. R
					SAKTHI PRIYA. P
					SARANYA. R
		III	3	III B.SC - E.M(S-1)	BIULA EPSIBA. A
					KEERTHANA.R
					GAYATHRI.J
					SATHYA.P
					KOWSALYA.G
7	BRIDAL MAKEUP	I	5	III B.SC - E.M(S-2)	VEDHADHARSHINI.D
					RAJALAKSHMI.E
		II	1	I M.SC	VANITHA.B
					SARUNITHI.M
		III	3	III B.SC - E.M(S-1)	BIULA EPSIBA. A
					SHOBA.G
8	RANGOLI	I	6	II B.SC - E.M(S-1)	JANNATH VISAIBA.A
					JONAT JEMILA. J
		II	1	I M.SC	REKHA. M
					VINOTHINI. K
		III	4	III B.SC - E.M(S-2)	BHUVANESHWARI.R
					SOWMIYA.R
9	MEHENDHI	I	2	III B.SC - E.M(S-1)	AYISHA BANU. J.V
					GAYATHRI.J
		II	4 B	III B.SC - E.M(S-2)	DIVYA.M
					KOMATHI.V
		III	5	II M.SC	PUSHPALATHA.M
					DURGADEVI.R
10	MATH MODELING	I	6	II B.SC - E.M(S-1)	SWETHA.S
					HEMAPRIYA.K
		II	2	III B.SC - E.M(S-1)	SONIYA.S
					SARANYA.G
		III	4	III B.SC - E.M(S-2)	DIVYA.M
					BHUVANESHWARI.R
11	POSTER MAKING	I	1	I M.SC	DHAYASHREE. Y
					PADMASRI.V
		II	10	III B.SC - T.M(S-1)	KOKILA.G
					BAKKIYALAKSHMI. G
		III	2	III B.SC - E.M(S-1)	LOGESHWARI .R
				SWETHA.S	
			6B	II B.SC - E.M(S-1)	PORKODI.S
					KANMANI.M
12	QUIZ	I		III B.SC - E.M(S-1)	SARASWATHI.R
					MONIKA.S.G
		II		III B.SC - E.M(S-1)	VIDHYA.S
					MALINI.M
		III		II B.SC - T.M(S-1)	ARCHANA.M
					BANUPRIYA .R
13	POTPOURI	I		III B.SC - E.M(S-1)	PAVITHRA. A
					SARANYA. G
		II		III B.SC - T.M(S-1)	BAKKIYALAKSHMI.G

					DHATCHAYINI.P
		III		I B.SC - E.M(S-2)	KOWSALYA. M
					SUNDARI. M
14	TREASURE HUNT	I		II B.SC - T.M(S-1)	KAVITHA. V
					SUBALAKSHMI. S
		II		II B.SC - E.M(S-1)	RAJESWARI. M
					SATHYA PRIYA.J
		III		III B.SC - E.M(S-1)	KOWSALYA. G
					GAYATHRI. J
				III B.SC - T.M(S-1)	PAVITHRA.R
			NITHYA.V		