



S.N.M COLLEGE MALIANKARA

(Affiliated to Mahatma Gandhi University, Kottayam)

1. **Title of the program** : Seminar on "**Mathematics in Nature** "

2. **Name of the Coordinator/s** : Dr. Neelima C A

3. **Organizing Department/Cell** : Department of Mathematics

4. **Date** : 23rd June 2022

5. **Number of participants**: 84

6. **Venue**: Seminar Hall SNM College

7. **Resource Person/s** : 2nd-year MSc mathematics students Ms.Vandana Vinu, Ms.Athira Santhosh, Ms. Abhirami M M

8. **Objective of the Program** :

To create awareness among students about the significance of mathematics in understanding and analyzing natural phenomena

9. **Detailed description of the event**:

A seminar on the topic "Mathematics in Nature" was conducted by the Department of Mathematics and Statistics on 23rd June 2022. The seminar was organized by 2nd-year MSc mathematics students. The program commenced at 1:30 pm in the seminar hall with a prayer led by Seblunnissa C S. Ms. Ammu Arjun extended a warm welcome to the gathering, and Ms. Nandana took charge of organizing the program. Students from the Mathematics, English, Physics, and Chemistry departments attended the seminar.

The paper presentations began with Ms. Vandana Vinu presenting on the topic of "Fibonacci Sequence in Nature." She provided a detailed view of the Fibonacci sequence and its influence on plants, flowers, and animals. The presentation was well-researched and shed light on the fascinating connections between mathematics and the natural world.

Following that, Ms. Athira Santhosh delivered an informative session on the "Golden Ratio," which defines the beauty found in nature. Her presentation explored how this mathematical concept is used to measure the aesthetic appeal of objects. The talk offered valuable insights into how mathematics plays a role in determining and appreciating beauty in the natural environment

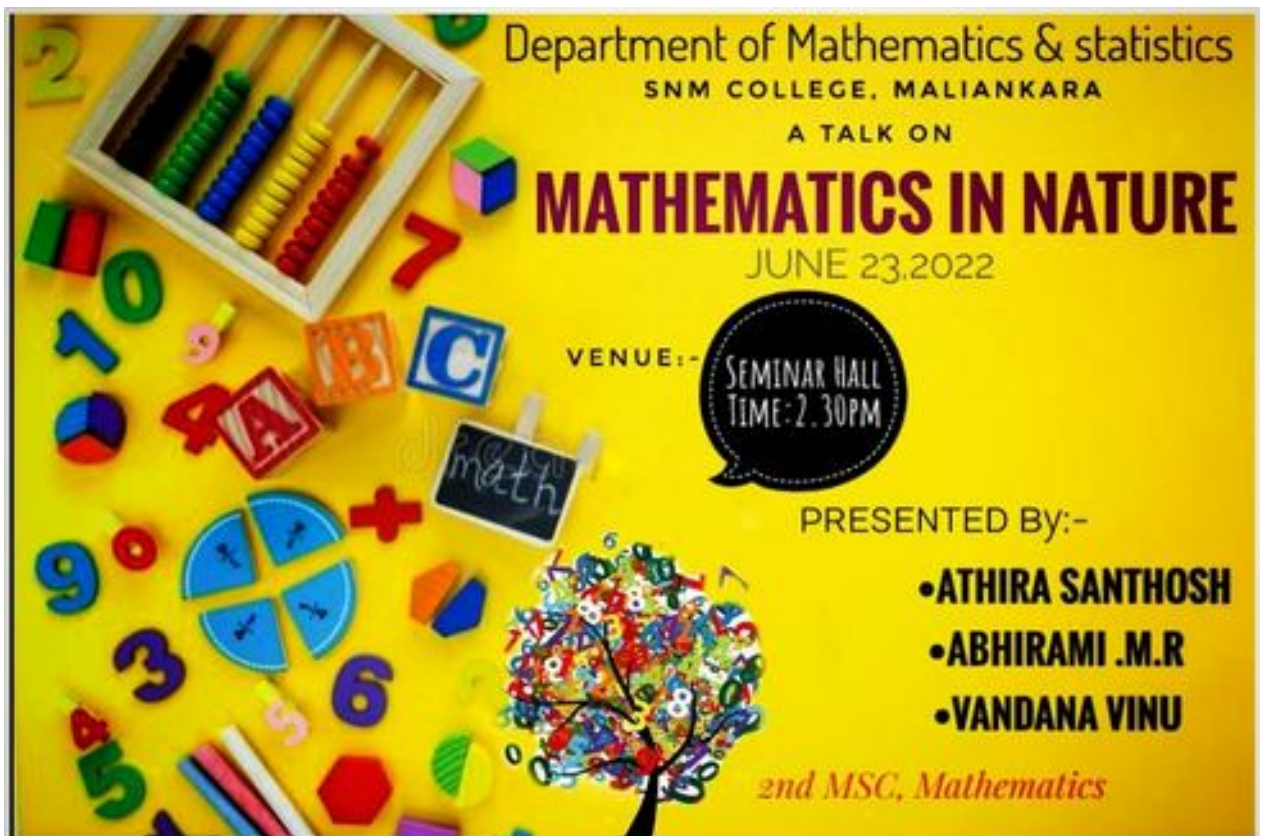
Another intriguing topic covered during the seminar was "Fractal Geometry in Nature," presented by Ms. Abhirami M R. This session delved into the arrangement and patterns observed in various creatures in nature. The presentation provided an overview of how fractal geometry can explain the intricate structures found in natural systems.

10. **Outcome of the event/Evaluation by Program Coordinator**:

The seminar successfully achieved its objectives of enlightening students about the influence and contributions of mathematics in nature and the surrounding environment. The paper presentations sparked curiosity and engaged participants in understanding the mathematical principles that underpin the beauty and organization observed in the natural world. Ms. Merritta Raphy extended the vote of thanks, expressing gratitude to all participants and contributors for their valuable insights and active participation. The program concluded at 3:00 pm, marking a successful and informative seminar.

Overall, the seminar on "Mathematics in Nature" organized by the Department of Mathematics and Statistics accomplished its goal of raising awareness among students regarding the important role mathematics plays in understanding the natural world. The informative presentations shed light on the connections between mathematical concepts and various aspects of nature, fostering a deeper appreciation for the interplay between mathematics and the environment. The seminar provided an enriching experience for attendees and contributed to the overall academic development of the students

11. Brochure



12. Photos





13. List of participants



MATHEMATICS IN NATURE

JUNE-23, 2022

Department of Mathematics & Statistics

Participation List

Name	class	Signature
① Abhirami . M . R	2 nd M.Sc Mathematics	Abhirami
② Athira santhosh	"	Athira
③ Aswathy Gopalakrishnan	"	Aswathy
④ Ammu Arjun	"	Ammu
⑤ Jithiya shaji	"	Jithiya
⑥ Lakshmi . V . S	"	Lakshmi
⑦ Lakshmi priya . T . S	"	Lakshmi
⑧ Meritta Rophy	"	Meritta
⑨ Nandana N . S	"	Nandana
⑩ Roshni T . J	"	Roshni
⑪ Seblunisa . C . S	"	Seblunisa
⑫ Vandana Vina	"	Vandana
⑬ Devipriya Manoj	3 rd BA English	Devipriya
⑭ Gopika Raj	"	Gopika
⑮ Athira shaji	"	Athira
⑯ Prajetha C P	"	Prajetha
⑰ Bathool Shiraj	"	Bathool
⑱ Anande M . S	"	Anande
⑲ Vyshnaki K . V	"	Vyshnaki
⑳ Aishwarya . S	"	Aishwarya

	Name	class	Signature
21	Adarsh V.R	3 rd Ba English	
22	Nimitha BA	"	
23	Meenakshi Sajan	"	
24	Nikhitha PJ	3 rd BA English	
25	starov. kr	"	
26	Joyal V.iju	3 rd BA English	
27	Lentamol M.u	3 rd BA English	
28	Tanaka?	3 rd BA English	
29	Jameena Jji	3 rd BA English	
30	Amal Krishne	3 rd BA English	
31	Siddhanta Das Siya Sabu.	3 rd BA English	
32	Nidhina TS	3 rd BA English	
33	Arya Mohan	3 rd Bsc Maths	
34	Namitha. G. S	3 rd Bsc Maths	
35	Jyothika AJ	"	
36	ABHIRAMI H.M	"	
37	Jainy. o. J	Bsc chemistry	
38	Cropika T.R	"	
39	Jeseena	"	
40	Cropika T.d	"	
41	Amitha mithal Das	"	
42	Bhagya. B. Mang	"	
43	Aparna k B	"	
44	Arya. K. S	"	
45	AmmitBa. T. A	"	
46	Arya. T. J	"	
47	Anisudh. M	"	
48	Vishnu Binoy	"	
49	Sawsjad	"	

Name

- 50 Vishnu P.S
- 51 Arjun A.S
- 52 ROHITH K.P
- 53 Aswin suresh
- 54 Vishnu Sunil
- 55 Indrajith V.P
- 56 ROHITH RAS P.R
- 57 AKSHAY.A.S
- 58 NIKHISHA M.N
- 59 ARYA T.J
- 60 ARYANANDA T.S
- 61 AYUSHI.SANIL
- 62 ABHIRAM ANJALI
- 63 ABHIRAM N.P
- 64 ASAPRIYA V.B
- 65 SARATH C.S
- 66 VISHNU
- 67 AMRITHA C.A
- 68 ARISH.P.VINOD
- 69 SANDRA SANTHOSH

Aradhya

class

- B.sc chemistry
- Bsc Chemistry
- Bsc chemistry
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Name

- 70 Amrutha P S
- 71 Krishna Priya K.S
- 72 Anurag Krishna P.S.
- 73 Smritha Anvindh. Jadhav
- 74 Sonu K. Murali
- 75 Sneha Meenu
- 76 Snehalakshmi V S
- 77 Anjali K.R
- 78 Anjulekshmi V.S
- 79 Heena T.R
- 80 Anjana K.R
- 81 Nandana K.M
- 82 Anamika
- 83 Arjuna K.B
- 84 Anurathy Rajeev

Class

- Bsc chemistry
Bsc chemistry
Bsc. chemistry
Bsc chemistry
Bsc. chemistry
Bsc physics
Bsc physics
Bsc physics
Bsc chemistry
Bsc chemistry
Bsc chemistry
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Bsc physics

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