

# DEPARTMENT OF MATHEMATICS

## ANNUAL REPORT 2019-20

### Two Day National Seminar on Mathematical Research in Education and Industries

#### REPORT

The Department Of Mathematics, Sir Syed College, Taliparamba, organized a national seminar entitled “Mathematical Research In Education And Industry” (MREI 2020) during 16-17 January 2020. The two day program started on 16-th morning with the inaugural ceremony at the college seminar hall , where the honourable college principal, Dr. P T Abdul Azeez did preside over the proceedings. The meeting started with a welcome note by HoD of Mathematics, Mr. Sirajudheen M P. The formal inauguration of MREI 2020 was done by the guest of honour, Dr. Sunil Mathew, Assistant Professor, NIT, Calicut, followed by the presidential address of Dr. P T Abdul Azeez.

In the inaugural address, Dr. Sunil Mathew stressed the relevance of applied mathematics- main theme of the seminar-in today’s world. In the presidential address, Dr. P T Abdul Azeez quoted that the national seminar is expected to be a stage of open discussion and exploration of the world of mathematics. Dr. Nafeesa Baby, IQAC coordinator, Mr. Hameed, retired professor, Sir Syed College, Dr. Minirani S, Mr. Prajesh T, invited guests, Ms. Jaseentha Luka, former professor, Sir Syed College and Mr. Muhammed Ashfaque K, college union chairman gave felicitations. The meeting concluded with the vote of thanks by the program coordinator, Dr. Bajeel P N.

The scientific session started with the keynote address by Dr. Sunil Mathew on the topic, “Mathematics in Nature”. In his exemplary and vibrant way of presentation , he gave a detailed account of the existence of mathematics in each and every part of the nature. He has shown many examples to show that more prominent mathematics in the world is yet to be discovered. He also introduced the concept of golden ratio which lies as the basic beauty principle in the world.

The lecture was followed by the invited talk by Dr. Minirani S, Associate Professor, NMIMS, Mumbai, on the topic, “ Fractal Geometry : The geometry of Nature”. She introduced the concept of fractal geometry and explained about the wide world that lies behind this subject of mathematics.

The afternoon session started with the talk by Mr. Prajesh T, Scientist, UR Rao Satellite Centre, Bangalore, on the topic, “ Orbital Dynamics”. He spoke about the scope of mathematics in scientific research and industry. The lecture was followed by an interactive session where the participants contributed too actively. The next session was lead by Mr. Praveen , Debian Developer ,on the topic “Knowledge Freedom” . He gave the thought of free software and the role of mathematics in this industry. The opening day was concluded by the interactive session followed by the lecture.

The final day of the seminar opened with the talk of Dr. Charles Dominic, Assistant Professor, Christ University, on the topic, “ Graph Theory in Science and Mobile Robotics”. The topic seemed to be very interesting among the audience. The next session was lead by Dr. Bipin

Balaram, Assistant professor, Mechanical Engineering, School of Engineering, Amrita Vishwa Vidhyapeetam, Coimbatore, on the topic, “Electronics , Cantilever Beams and Vector Spaces”. In his well-crafted lecture, he categorically explained about abstract mathematics and its manifestation in nature. He also quoted that “ there is nothing more practical and useful to people than a good theorem”. The session was followed by the invited talk by Dr. Anoop N Nair, on the topic, “ An Introduction To Mathematical Modelling Of Self Service Inventory”.

The post lunch session started with the invited lecture by Dr. Vimal Madhav, CEO, Xpert Consortium Technologies LLP, Calicut, on the topic ,” Mathematics in Cyber World”. His lecture covered various applications of discrete mathematics in cyber industry. He quoted that the significance and range of mathematical science in Cyber Science itself shows the importance of mathematics in the cyber world. The next session was lead by Mr. Shareer Muthirakkalayil, Developer, Jonas software, Canada, who explained about the scope and opportunities of higher studies in mathematics. He mainly stressed on the opportunities abroad. Three parallel paper presentation sessions by young researchers was conducted in afternoon session.

The two day national seminar MREI 2020 came to an end with a short valedictory function, where Ramachandran (principal in charge) delivered the valedictory notes. Mr. Sirajudheen M P presided over the function. The audience including students and teachers gave their feedbacks. The two day national seminar was concluded by 4.00pm, 17 January, 2020.

<b>Two day national Seminar on “Mathematical Research in Education and Industries’ in Mathematics</b>	
Date	16,17-January 2020
Place	College Seminar hall
Number of Invited Talks	10
Number of paper presentations	23
Number of paper presentations sessions	3
Number of invited persons for chairing the paper presentation sessions	9
Number of participants	138
Total Expense	42578

Dr.Bajeel P N

Coordinator

Sirajudheen M P

HoD

	Debit	Credit
TA and remuneration For resource persons	2520+30200=32720	
Food for resource persons	1731	
Refreshment	4390	
Stationary items	3737	
Registration		6500
Sponsorship IDis		25000
Other Sponsorship		10000+1000=11000
<b>Total</b>	42578	42500

**Account of Statement.**

Dr. Bajeel P N  
Coordinator

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Sirajudheen M P  
HoD

Photos







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## Department of Mathematics

### Report of Student's Weekly Seminar "MATHMANIA"-2019-2020

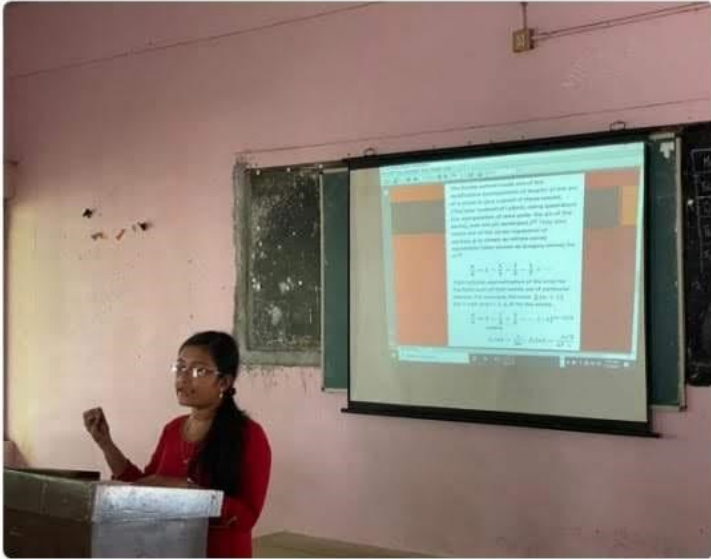
Department of mathematics organized student weekly seminar "Mathmania" in the academic year 2019-2020. The seminar was conducted from 3.30pm to 4 pm of each Monday of a week. The main objectives of this programme are to develop presentation skill, self-study capacity and interest in both higher study and research in Mathematics.

The weekly seminar was inaugurated by college Principal Dr.PT Abdul Azeez on 06-01- 2020.details of seminar presentations of students are as follows

SL No	Date of seminar	Name of Student (Presented)	Topic	Number of participants
1	06-01-2020	Sahala Abdulla (II <sup>nd</sup> BSc Maths)	Foundation Of Mathematical Analysis	71
2	13-01-2020	Muhammed Ashfaque (III <sup>rd</sup> BSc Maths)	Fibonacci Series	58
3	20-01-2020	Nadhira subair CK (III <sup>rd</sup> BSc Maths)	Higher Studies In Mathematics	66
4	27-01-2020	Anusree Divakaran (III <sup>rd</sup> BSc Maths)	Ancient Kerala Mathematics	51
5	04-02-2020	Telse Mathew (III <sup>rd</sup> BSc Maths)	Hand Shake Problem	36
6	11-02-2020	Elizabeth (III <sup>rd</sup> BSc Maths)	Euclidian Geometry	34

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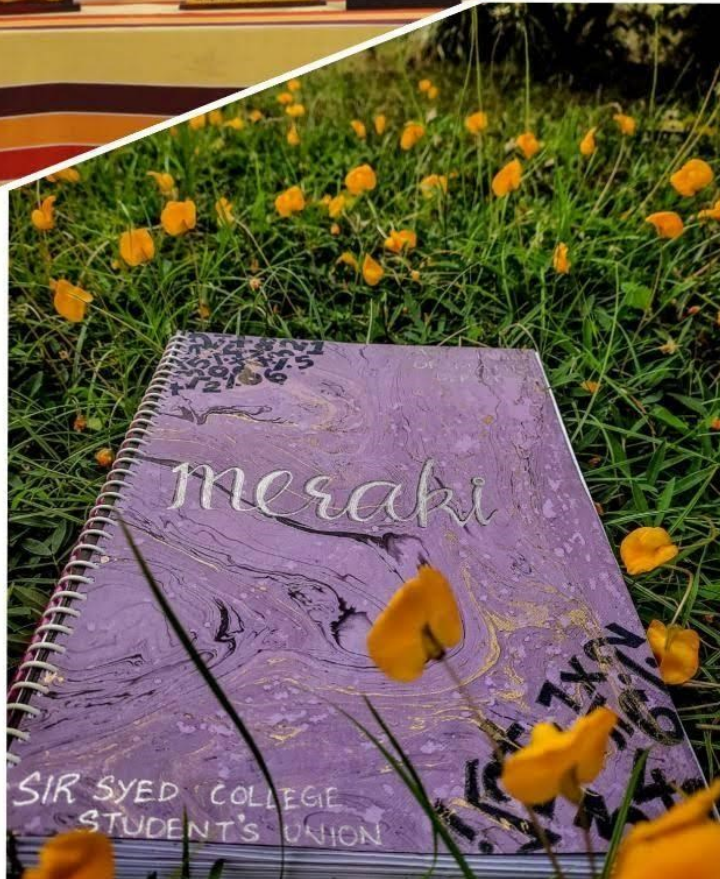
### Inauguration of HiScaM

Higher Studies and Career in Mathematics (HiScaM), a continuous study process for BSc Mathematics students for various Higher education entrance examination for Various institutes like IISc.IIT,ISI etc was inaugurated by Principal Dr.PT Abdul Azeez,on22-01-2020



Department Of Mathematics

Handwritten Magazin “Meraki “Released by Honourable MLA, Prof Abid Husain Thangal hand overring to Principal Dr.PT Abdul Azeez on 24-02-2020



قل رب زدني علما



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