

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

**WEBINARS/SEMINARS/ WORKSHOPS**

**FIVE DAY WORKSHOP ON "RESEARCH METHODOLOGY" - 25-29 JULY 2022**

The Post Graduate Department of Mathematics & Statistics in association with IQAC, Little Flower College Guruvayoor conducted "Five-day Workshop on "Research Methodology" in online mode from 25 July 2022 to 29 July 2022. Ms. Ann Maria C. G, Research Scholar, CHRIST (Deemed to be University), Bengaluru, has served as the resource person.

<p><b><u>WHO CAN ATTEND?</u></b></p> <p>Faculty members, Research Scholars and Post Graduate students from Science stream</p> <p><b><u>REGISTRATION FEE</u></b></p> <p>Rs. 100 for Research Scholars and Post Graduate students</p> <p><b><u>ORGANIZING COMMITTEE</u></b></p> <p>Ms. Alphy Jose, HOD Ms. Anju S Mattam, IQAC Coordinator Ms. Amitha Shaji, Programme Coordinator Dr. Mariamma Antony Ms. Rose Paul Ms. Neethu K T Dr. Lejo J Manavalan Ms. Meera Thomas O</p>	<p><b><u>RESOURCE PERSON</u></b></p>  <p>Ann Maria C G Research Scholar Christ (Deemed to be University) Bengaluru</p> <p><b><u>ABOUT THE PROGRAMME</u></b></p> <ul style="list-style-type: none"><li>• To understand basics of Research methodology</li><li>• To inculcate the ability of research writing</li><li>• To imbibe the understanding of technical report writing.</li><li>• To contribute to the research community</li><li>• To learn required tools for effective presentation of ideas</li></ul> <div style="text-align: center;"><p>Google Meet</p><p>7.30 pm to 8.30 pm</p><p><b><u>CONTACT US:</u></b></p><p>9846176794, 9605907993</p><p> <a href="mailto:maths@littleflowercollege.edu.in">maths@littleflowercollege.edu.in</a></p></div>	<p><b>FIVE DAY NATIONAL WORKSHOP ON RESEARCH METHODOLOGY</b></p> <p><b>25 - 29 July 2022</b></p> <p><i>Organized by</i></p>  <p><b>POST GRADUATE DEPARTMENT OF MATHEMATICS &amp; STATISTICS</b></p> <p><b>IN ASSOCIATION WITH IQAC</b></p> <p><b>LITTLE FLOWER COLLEGE GURUVAYOOR PUTHENPALLI P.O 680103 KERALA, INDIA</b></p> <p><a href="https://littleflowercollege.edu.in/">https://littleflowercollege.edu.in/</a></p>
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**BRIDGING THE MATHEMATICAL THRESHOLD**

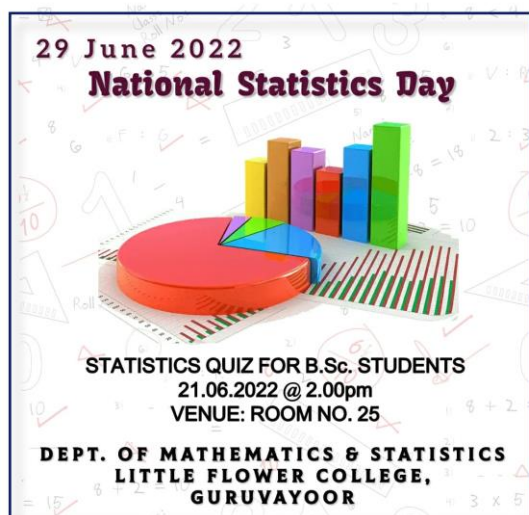
A one week bridge course was organised for the first year B.Sc Mathematics students was organized from 26 -30<sup>th</sup> September 2022. The classes were engaged by the OSA members of the Department of Mathematics. Students from Department of Chemistry, Computer Science and Physics also attended the class.



## **OBSERVANCE OF SIGNIFICANT DAYS**

### **NATIONAL STATISTICS DAY CELEBRATION – 21 JUNE 2022**

In connection with National Statistics day Department of Mathematics and Statistics conducted a Statistics Quiz for B.Sc. students on 21.06.2022. 24 students participated in the Quiz competition. Shibila R.M of II B.Sc. Mathematics and Archana M.S of III B.Sc. Mathematics respectively won the First and Second prizes.



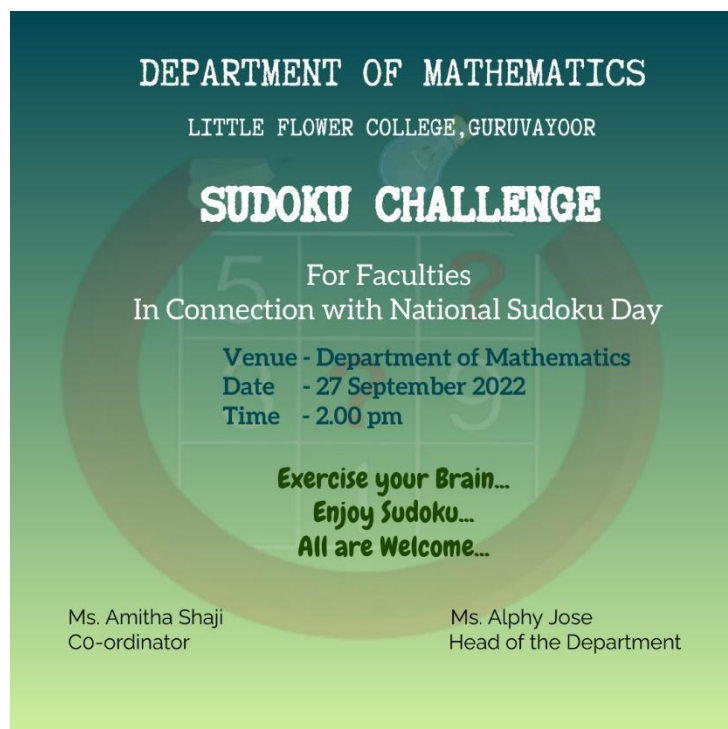
### **SNAP A SELFIE WITH TIRANGA**

"Azadi Ka Amrit Mahotsav" is an initiative of the Government of India to celebrate and commemorate 75 years of independence. As a part of the Azadi Ka Amrit Mahotsav, Department of Mathematics organised an activity, 'Snap a Selfie with Tiranga'. The students and faculties were asked to take a selfie with the National Flag during 13-15 August 2022. Students and Faculties actively participated in the event.



## **SUDOKU CHALLENGE – 27 SEPTEMBER 2022**

In Connection with National Sudoku Day, Post Graduate Department of Mathematics conducted a Sudoku Challenge for the faculties on 27 September 2022. Faculties from various departments participated in the competition. Ms. Riya Jacob of BCA Department secured the first prize.





## **MATHEMATICS ASSOCIATION INAUGURATION - 29-09-2022**

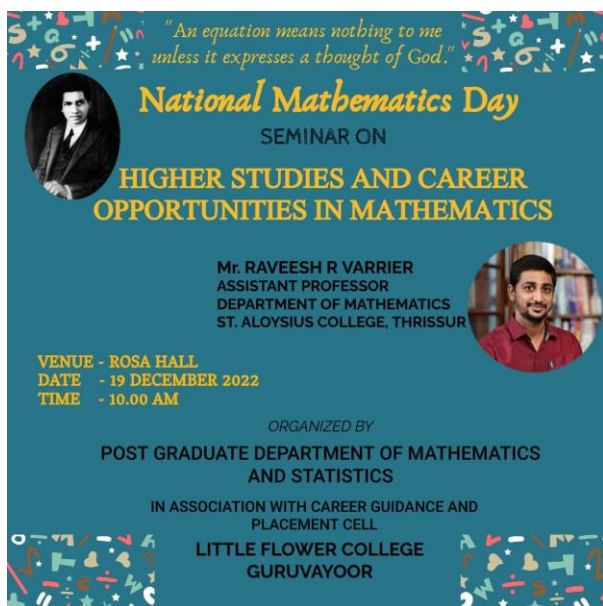
Mathematics Association inauguration was held on September 29, 2022. Mr. Harish V N, HOD & Assistant Professor, Sree Kerala Varma College. Ms. Silpa of III B.Sc Mathematics was elected as the Association secretary for the academic year 2022-2023. Manuscript Magazine 'Ganithathalangal' was released on the same day. A talk on 'Polynomials to Power Series' was given to B.Sc and M.Sc students by Mr. Harish V N, HOD & Assistant Professor, Sree Kerala Varma College.





## **NATIONAL MATHEMATICS DAY CELEBRATION – 19-12-2022**

As a part of National Mathematics Day, Department of Mathematics organized a Seminar on the topic 'Higher Studies and Career Opportunities' in association with the Career Guidance and Placement cell of our college on 19 December 2022. Mr Raveesh r Varrier, Assistant Professor, St Aloysius College served as the resource person. 102 students participated in the seminar.



## PASSWORD- CAREER GUIDANCE AND PERSONALITY DEVELOPMENT TUNING CAMP- 17-12-2022

A One-day Career guidance and personality development camp was organised for the minority students by the Directorate of Minority welfare Department, Govt of Kerala on 17 December 2022, in Association with Department of Mathematics. 100 students were benefitted from the programme.



## ORIENTATION PROGRAMME FOR COMPETITIVE EXAMINATIONS

### FIRST STEP TO HIGHER STUDIES 28-01-2023 to 01-01-2023

A one week orientation programme for B.Sc Mathematics students was organised for B.Sc Mathematics students of Little Flower College Guruvayoor and St. Marys College, Thrissur from 28 January 2023 to 1<sup>st</sup> February 2023. The programme aimed at giving an orientation for exams like JAM, NBHM and various other entrance examinations. Classes were handled by alumnae members of both the departments.





**ORIENTATION FOR  
COMPETITIVE  
EXAMINATIONS**


**FIRST STEP TO HIGHER STUDIES**


JOINTLY ORGANIZED BY

POST GRADUATE DEPARTMENT OF MATHEMATICS,  
LITTLE FLOWER COLLEGE GURUVAYOOR  
&  
RESEARCH DEPARTMENT OF MATHEMATICS  
ST. MARY'S COLLEGE, THRISSUR

  
 28 January - 1 February 2023

  
 7.00 pm - 8.00pm

  
 Platform: Google meet



Contact for more: Amitha Shaji (9605907993)  
Neethu T S (7034465948)

**ABOUT THE PROGRAMME**

The programme aims at giving an orientation for competitive examinations like JAM, NBHM and various entrance examinations for final year Under Graduate students. Classes will be handled by Alumnae members of the organizing departments.

**RESOURCE PERSONS**

- > SANDHYA E  
Assistant Professor  
Jyothi Engineering College, Cheruthuruthy
- > ATHULYA JOY  
Post Graduate Student  
CUSAT
- > ARDRA A N  
Post Graduate Student  
University of Calicut
- > MEHNAZ  
Post Graduate Student  
NIT, CALICUT

## ACHIEVEMENTS

1. Ms. Anju S Mattam awarded Ph.D from Cochin University of Science and Technology on “Rough Approximation of Fuzzy Soft Sets based on Fuzzy soft Relation” under the guidance of Dr. Sasi Gopalan on 12.08.2022.



2. Ms Vanadana P secured 6<sup>th</sup> position in the Calicut University B.Sc Mathematics Examination.



3. Ms Asma Shafeeque and Shibila R M secured second prize in Prof M.D Paul memorial Intercollegiate Mathematics Quiz Competition conducted by Department of Mathematics, St Thomas College Thrissur on 19 December 2022



4. Ms Asma Shafeeque and Shibila R M secured second prize in the Intercollegiate Mathematics Quiz Competition conducted by Department of Mathematics, St Marys College Thrissur on 15 October 2022



5. Ms Hanan Irshad of III B.Sc Mathematics compiled a book of collection of poems 'Serenity beneath the surge' written by her and was published by Green Books.

#### **PAPER PRESENTATIONS, REFRESHER COURSE**

1. Ms. Rose Paul of Department of Mathematics presented a paper on COMPARITIVE STUDY OF THERMAL AND PHYSICAL PROPERTIES OF  $Al_2O_3$ -WATER AND  $AgO_2$ -WATER NANOFLUIDS in the DST- PURSE, Govt. of India Supported Satellite Sympisium at Bharathiar University, Coimbatore from 13.09.2022 to 15.09.2022.
2. Ms. Rose Paul of Department of Mathematics participated in the workshop on RESEARCH METHODOLOGY organized by the Post Graduate Department of Mathematics and Department of Statistics, in association with IQAC, Little Flower College, Guruvayoor from 25.07.2022 to 29.07.2022.
3. Ms. Rose Paul of Department of Mathematics presented a paper on A STUDY ON THE THERMAL AND PHYSICAL PROPERTIES OF TITANA-WATER AND ALUMINA WATER NANOFLUIDS in the International Conference on Mathematics of Intelligent Computing and Data Science (ICMICDS 2022) organized by the Department of Mathematics, Rajagiri School of Engineering and Technology and Centre for Topology and Applications (CETA) on 16.09.2022.



4. Ms. Rose Paul of Department of Mathematics attended two weeks Refresher Course In Applicable Mathematics organized by Teaching Learning Centre, Ramanujan College, University of Delhi, under the aegis of Ministry of Education, Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching in collaboration with Sri Jayachamarajendra College of Engineering (SJCE), LSS Science and Technology University (JSS S&TU), Mysuru from 26.07.2022 to 08.08.2022.
5. Dr. Anju S Mattam of Department of Mathematics attended two weeks Refresher Course In Applicable Mathematics organized by Teaching Learning Centre, Ramanujan College, University of Delhi, under the aegis of Ministry of Education, Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching in collaboration with Sri Jayachamarajendra College of Engineering (SJCE), LSS Science and Technology University (JSS S&TU), Mysuru from 26.07.2022 to 08.08.2022.
6. Ms. Alphy Jose of Department of Mathematics, has successfully completed Online Two-Week Interdisciplinary Refresher Course in "Advanced Research Methodology" from 22 May-05 June, 2022 by Teaching Learning Centre, Ramanujan College University of Delhi under the aegis of Ministry of Education Pandit Madan Mohan Malaviya National Mission On Teachers And Teaching, Ministry of Education, Government of India