



# DEPARTMENT OF MATHEMATICS & STATISTICS

## ANSAR WOMEN'S COLLEGE

Affiliated to University of Calicut | Accredited with 'A' Grade by NAAC)  
PERUMPILAVU, KARIKKAD PO, THRISSUR – 680519, KERALA, INDIA  
04885 284912 (Office) 8138018182 (Mobile)  
Email: [office@ansarwomenscollege.ac.in](mailto:office@ansarwomenscollege.ac.in) | Website: [www.ansarwomenscollege.ac.in](http://www.ansarwomenscollege.ac.in)

---

### ANNUAL REPORT OF THE YEAR 2023-2024

The Mathematics and Statistics department at Ansar Women's college is a vibrant and dynamic academic unit. The department is well equipped with resources and staffed by highly qualified and experienced faculty members who are passionate about their subject. Students are encouraged to engage in projects and are provided with opportunities to participate in competitions and events. The mathematics and statistics department at Ansar Women's college is committed to excellence in teaching and learning, and provides a supportive and stimulating environment for students to grow and achieve their full potential.

No of seats allotted, in this academic year	24
No of students admitted	7

#### ❖ RESULT ANALYSIS (22-23)

- Total no of students attended 19
- No of students passed 14
- Pass percentage 74%

#### ❖ Topper (2022-23) : *RINSHA M V*

#### ❖ Certificate course offered in this academic year: *GEOGEBRA*

#### ❖ MOU

In this academic year Department of Mathematics and Statistics signed mou's with the following institution.

- I. Department of Mathematics at DON BOSCO COLLEGE, Manuthy

❖ PROGRAMMES CONSOLIDATED

**1. OBSERVATION OF NATIONAL STATISTICS DAY**

In recognition of contributions made by Prasanta Chandra Mahalanobis June 29<sup>th</sup> observing as National Statistics Day, and the department conducted a quiz competition in connection with this.



**2. PARENT ATTACHMENT PROGRAMME**

A parent attachment program were conducted on 7<sup>th</sup> August for the parents of first year B.Sc Mathematics in the auditorium. Class conducted by the principal Dr. Kamaludheen K T



Perumpilavu, Kerala, India  
Red Sun Plastic Factory, Palakkad Ponnani Rd, Perumpilavu, Kerala 680516, India  
Lat 10.700476°  
Long 76.08895°  
07/08/23 11:32 AM GMT +05:30

Perumpilavu, Kerala, India  
Red Sun Plastic Factory, Palakkad Ponnani Rd, Perumpilavu, Kerala 680519, India  
Lat 10.700476°  
Long 76.08895°  
07/08/23 10:41 AM GMT +05:30

### 3. BRIDGE COURSE

Conducted bridge course for the students of the B.Sc Mathematics and those who are having mathematics as complementary subject.



### 4. ASSOCIATION INAUGURATION

Inaugurated the mathematics association on 25<sup>th</sup> September. Also released the magazine “MATH MATTERS” by the chief guest Radhika





## 5. SEMINAR

Department of Mathematics & Statistics conducted a seminar in connection with the association inauguration on the topic “MATH IN EVERY DAY LIFE” on 25<sup>th</sup> September. Seminar led by Radhika miss.



## 6. STUDY TRIP

Organized a study trip on 13<sup>th</sup> & 14<sup>th</sup> October to Wayanad & Mysore.



## 7. EXHIBITION

Conducted an exhibition on 21<sup>st</sup> December in connection with the observance of National Mathematics Day. BRAINIACS which included brain games, fun games, puzzles, exhibition etc.



## 8. MATHMANIA MYSTRY

Conducted a quiz competition MATHMANIA MYSTRY in connection with the observance of National Mathematics Day.





## 9. CAREER GUIDANCE

Department of Mathematics & Statistics conducted a career guidance class “CALCULUS TO CAREERS” on 3<sup>rd</sup> January class taken by Dr.Raseel Rahman M K.



## 10. FAREWELL

Organized a farewell for the final years on 24<sup>th</sup> February 2024.



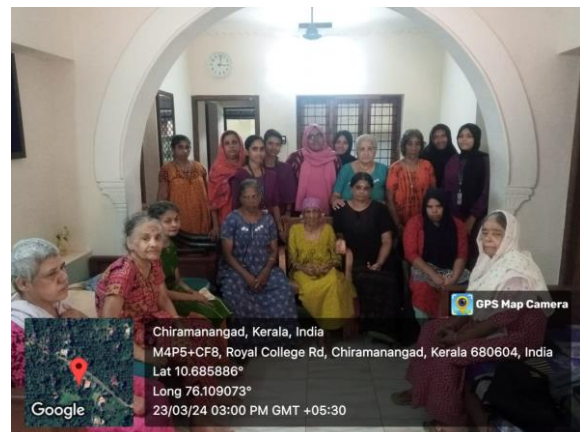
## 11. INTERNATIONAL CONFERENCE

Department of Mathematics & Statistics conducted 2 Day International Conference on New Trends in Mathematics. Speakers are Dr. Asha Sebastain, Dr. Lejo J Manavalan , Dr. Bajeel P N, Dr.V Vibitha Kochamani.



## 12. EXTENSION PROGRAM

Conducted an Old age home visit as a part of extension activity.





### ❖ Student achievements

All of our final year students presented paper on international conference





## Presentations details

<b>SI No.</b>	<b>Name</b>	<b>Topic</b>	<b>Designation</b>
1.	Sowmya S	<b>Spectral Graph Theory and Its Applications</b>	,Asst.professor, Department of Mathematics&Statistics, Ansar Women's College, Perumpilavu
2.	Meera V U	<b>Graph Coloring and Its Applications: A Comprehensive Review</b>	,Asst.professor, Department of Mathematics&Statistics, Ansar Women's College, Perumpilavu
3.	Shijula C V	<b>Fuzzy Dominating Graph</b>	,Asst.professor, Department of Mathematics&Statistics, Ansar Women's College, Perumpilavu
4.	Nasla Kamaru	<b>Mathematics in Artificial Intelligence and Machine Learning</b>	,Asst.professor, Department of Mathematics&Statistics, Ansar Women's College, Perumpilavu
5.	Sajitha C	<b>Optimizing Agricultural Operations: A Study in Operation Research</b>	,Asst.professor, Department of Mathematics&Statistics, Ansar Women's College, Perumpilavu
6.	Kamarunnisa P K	<b>Interwoven Insights: The Synergy Between Data Mining and Statistics</b>	,Asst.professor, Department of Mathematics&Statistics, Ansar Women's College, Perumpilavu

7.	Fathima Shahin M	<b>Automata and ATM Machines</b>	6 <sup>th</sup> semester B.Sc Mathematics, Ansar Women's College, Perumpilavu
8.	Afida K M	<b>Asymmetric Cryptography</b>	6 <sup>th</sup> semester B.Sc Mathematics, Ansar Women's College, Perumpilavu
9.	Fahima Nasrin N T	<b>The Language of Patterns: AUTOMATA Theory Explained</b>	6 <sup>th</sup> semester B.Sc Mathematics, Ansar Women's College, Perumpilavu
10.	Nafitha K J	<b>Mathematical Model on Online Shopping</b>	6 <sup>th</sup> semester B.Sc Mathematics, Ansar Women's College, Perumpilavu
11.	Nithya O V	<b>Promotion Model on Online Shopping</b>	6 <sup>th</sup> semester B.Sc Mathematics, Ansar Women's College, Perumpilavu
12.	Shabana sherin	<b>Mathematical Models in Flood Management: Deterministic Model</b>	6 <sup>th</sup> semester B.Sc Mathematics, Ansar Women's College, Perumpilavu
13.	Shimna Sherin	<b>Mathematical Model &amp; Stochastic model</b>	6 <sup>th</sup> semester B.Sc Mathematics, Ansar Women's College, Perumpilavu
14.	FathimmaSwaliha K M	<b>Queueing Theory</b>	6 <sup>th</sup> semester B.Sc Mathematics, Ansar Women's College, Perumpilavu
15.	Sreedevi C R	<b>Applications of Queueing Theory</b>	6 <sup>th</sup> semester B.Sc Mathematics, Ansar Women's College, Perumpilavu

16.	Anusree K B	<b>Symmetric Key Cryptography</b>	6 <sup>th</sup> semester B.Sc Mathematics, Ansar Women's College, Perumpilavu
17.	Ummu Habeeba K	<b>Automata : Introduction and Application</b>	6 <sup>th</sup> semester B.Sc Mathematics, Ansar Women's College, Perumpilavu
18.	Dhiqra farseena TA	<b>Field Extension</b>	6 <sup>th</sup> semester B.Sc Mathematics, Ansar Women's College, Perumpilavu
19.	Mumthaz AM	<b>Finite Field: Introduction and Application</b>	6 <sup>th</sup> semester B.Sc Mathematics, Ansar Women's College, Perumpilavu
20.	Krishnaveni K S	<b>Mathematical model in Flood- Case Studies</b>	6 <sup>th</sup> semester B.Sc Mathematics, Ansar Women's College, Perumpilavu
21.	Jayalakshmi K	<b>A Graph Theory-Based Approach to the Analysis of the RNA Processing Pathway in the Pathology of Nipah virus Disease</b>	Asst.Professor, Department of Mathematics MD College, Pazhanji
22.	Fouziya N A	<b>The Real-life Applications of Knot Theory</b>	Institute of Advanced Study in Education (I.A.S.E) Thrissur
23.	Anju babu	<b>An Application of Soft Sets in Decision Making Process</b>	Asst. Professor Department of Mathematics, MD College Pazanji



24.	Aathira G Nair	<b>Sutras in Vedic Mathematics</b>	6 <sup>th</sup> semester B.Sc Mathematics, Don Bosco College, Mannuthy
25.	Barshan Samanta	<b>Boolean algebra and lattices</b>	6 <sup>th</sup> semester B.Sc Mathematics, Don Bosco College, Mannuthy

,