



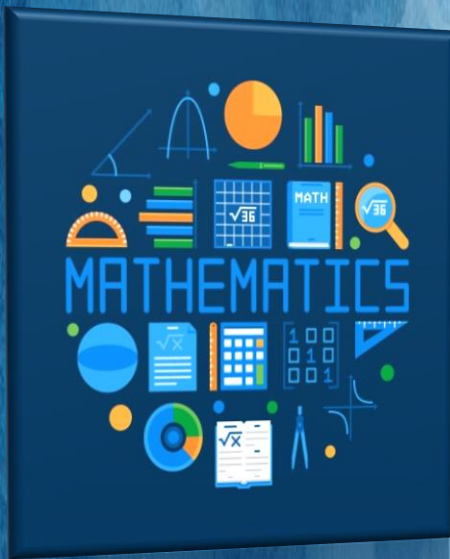
# ST. MARY'S COLLEGE (Autonomous)

Re-accredited with 'A+' by NAAC (4<sup>th</sup> Cycle)

Thoothukudi- 628001, Tamil Nadu

## Department of Mathematics (SSC)

**NEWSLETTER  
2023-2024**



### Editorial Team

- **Dr. P. Anbarasi Rodrigo**  
Co-ordinator & Assistant Professor of Mathematics
- **Dr. C. Reena**  
Assistant Professor of Mathematics
- **Dr. R. Maria Irudhaya Aspin Chitra**  
Assistant Professor of Mathematics
- **Ms. J. Jenit Ajitha**  
Assistant Professor of Mathematics

### HOD's Message

Welcome to the Department of Mathematics!

It is my pleasure to introduce you to our vibrant community of mathematicians, scholars, and learners. At the Department of Mathematics, we are dedicated to fostering a deep understanding of mathematical principles while nurturing the curiosity and analytical skills that are essential in today's rapidly evolving world. Our faculty members are highly regarded for their research and expertise, and they are dedicated to mentoring students both inside and outside the classroom.

- ✓ We are proud to inform two of our student received Elite + Silver in Massive Open Online Course.
- ✓ S. Yamini and P. Subithra Scholar of Dr. C. Reena and Dr.P.Anbarasi Rodrigo received Savitribhai Phule Single girl Scholarship from UGC with an amount of Rs 40,000 per month.
- ✓ S. Anitha Ruth, Scholar of Dr.P.Anbarasi Rodrigo was awarded Ph.D on 30.03.2024.
- ✓ Ms. G. Muthu Jerome of B.Sc Mathematics (2019 – 2022) got placed as Assistant Manager in Central Bank of India
- ✓ Ms. T. Vivegha of B.Sc Mathematics (2016 – 2019) has secured 46<sup>th</sup> rank in the final examination of in the institute of Cost Accountant of India

I extend my heartfelt congratulation for their achievements and gratitude to the members of the department.

With Regards

**Dr. P. Anbarasi Rodrigo**  
Co-ordinator & Assistant Professor of Mathematics

## ***Activities of the Association***

Department of Mathematics SSC elected the office bearers for the Mathematic association on 28<sup>th</sup> June 2023 under the guidance of Dr.P.Anbarasi Rodrigo, Co-ordinator and Assistant Professor of Mathematics and Association Activity In-charge Dr. R. Maria Irudhaya Aspin Chitra, Assistant Professor of Mathematics.

On 28<sup>th</sup> June 2023, A. Blessy Jebarani and G. Monisha Rose of II M.Sc Mathematics, J. Esther Rani of I M.Sc mathematics were elected as President, Vice-President and Secretary of the Mathematics Association.

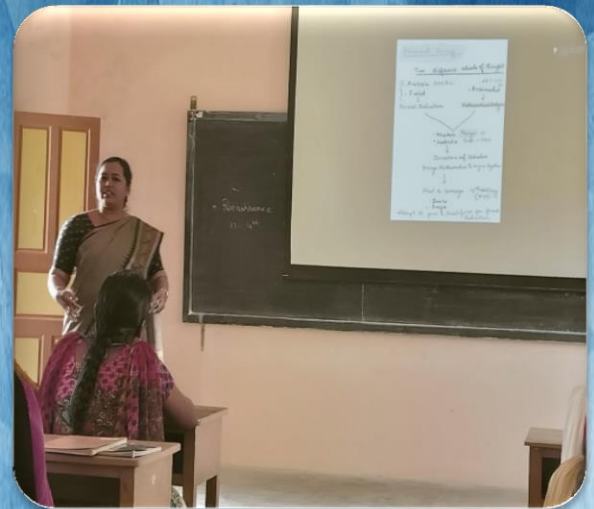
On 3<sup>rd</sup> July 2023, Department meeting was conducted regarding Mentor Mentee allocation for the academic year 2023 – 2024.

On 21<sup>st</sup> July 2023, Dr. M. Evangeline Prathibha, Assistant Professor of Mathematics, Lady Doak College, Madurai gave a lecture on “History of Mathematical Logic”. Pg Students of Mathematics were the beneficiaries.

On 30<sup>th</sup> November 2023, Dr. M. Marudai, Professor. School of Mathematical Science, Bharathidasan University, Trichy gave the solutions for problems asked on NET/ SET exams based on Analysis. Pg Students and Research Scholars of Mathematics were the beneficiaries.

On 20<sup>th</sup> February 2024, Dr.C.Devamanoharan, Associate Professor of Mathematics, VOC College, Thoothukudi gave a lecture on “Mathematics – A Vision”. Pg Students of Mathematics were the beneficiaries.

## ***Gallery***



### **Mentor Mentee System**

A mentor mentee system is a program that connects students with faculty member to provide guidance and support. Each faculty of the department is assigned with 5 to 10 students to monitor and witness the academic and personal growth. The Mentor Mentee meeting was held regularly as per the dates given below and the record was maintained.

#### **Semester**

#### **Date**

#### **Odd**

03.07.2023

15.07.2023

26.08.2023

02.09.2023

09.09.2023

13.09.2023

14.10.2023

20.01.2024

27.01.2024

03.02.2024

#### **Even**

02.03.2024

04.03.2024

23.03.2024

06.04.2024

### **BOARD OF STUDIES**

The meeting of the Board of Studies of the Department of Mathematics was conducted on 08. 03. 2024 at 10.00 a.m. in the Botany Library.

The Board members are

- **Dr. K. Palani**  
**University Nominee**  
Head & Associate Professor,  
Department of Mathematics,  
A.P.C. Mahalaxmi College for Women,  
Thoothukudi.
- **Dr.R.Uthayakumar**  
**Subject Expert**  
Head and Professor  
Department of Mathematics  
Gandhigram Rural Institute –  
Deemed to be University  
Gandhigram - 624 302.
- **Dr.P.Gnanachandra**  
**Subject Expert**  
Assistant Professor  
Department of Mathematics  
Ayya Nadar Janaki Ammal  
College (Autonomous)  
Sivakasi – 626 124.
- **Dr. G. Sugantha**  
**Alumna**  
Assistant Professor  
Department of Mathematics  
Pope's College (Autonomous)  
Sawyerpuram - 628 251

The Syllabus was designed as per the OBE with choice based credit system. The Board acknowledged and approved the syllabus.

## PTA and Alumnae

The Parent Teachers Association conducted meeting regularly for all the parents and students of our college. The meeting were held for II M.Sc Mathematics on 15.12.2023 and for I M.Sc Mathematics on 06.02.2024. The Alumnae was held on 13.04.2023.

## Study Tour

Department of Mathematics (SSC) organised an Industrial Visit for the PG students as a part of their curriculum activity. Kannan Devan Tea Museum, Munnar, Kerala, India, was chosen for the visit and a group of 21 students visited along with 3 faculty members on 14.03.2024. The objective of the Industrial Visit is to provide practical exposure on the techniques of optimization. The students visited the Kannan Devan Tea Museum, Munnar, Kerala, India as a part of their curriculum to gain practical exposure and knowledge in the course paper Operations Research. They were also able to gain knowledge about the various optimization techniques like maximizing the output and minimizing the input. They also got the opportunity to see the various machines used for this process. The Industrial Visit on the whole was very informative and useful for effective learning. The students were able to visualise the real life applications of the mathematical knowledge gained from the course paper. It also paved the way for the better understanding amidst the students and also served to strengthen the teacher student relationship



## Student Activities

During the academic year 2023 - 2024, the PG students attended various conferences and workshop on Research and Teaching Methodology, Recent trends in Mathematics and Computer Science and a Webinar on Plagiarism at different levels

## Massive Open Online Course

The students of I M.Sc Mathematics attended various Massive Open Online Courses titled "Calculus of Several Real Variables"(noc23-ma65) for the duration of 8 weeks

S.No.	Reg. No	Student Name	Internal	External	Total	Grade
1.	23SPMT01	Anisha Briskillal A	24.38	45.32	70	Elite
2.	23SPMT02	Esther Rani J	24.38	59.38	84	Elite +Silver
3.	23SPMT03	Gomathi Ambigai K	24.38	56.25	81	Elite +Silver
4.	23SPMT04	Jancy Rani J	23.88	43.75	68	Elite
5.	23SPMT05	Jeya Surya J	23.46	30.62	54	-
6.	23SPMT06	Jinimol S	24.58	45.92	71	Elite
7.	23SPMT07	Saranya D	23.5	45.32	69	Elite
8.	23SPMT08	Sefri Dalmi S	23.92	47.45	71	Elite
9.	23SPMT09	Steffy Cross S	14.67	38.27	53	-
10.	23SPMT10	Swetha Theres A	23.88	34.37	58	-

**Elite**

**NPTEL Online Certification**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**ESTHER RANI J**  
for successfully completing the course  
**Calculus of Several Real Variables**

with a consolidated score of **84** %

Online Assignments	24.38/25	Proctored Exam	59.38/75
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Total number of candidates certified in this course: **109**

Jul-Sep 2023  
(8 week course)

Prof. B. V. Ratish Kumar  
Chairman, Centre for Continuing Education  
IIT Kanpur

Prof. Satyaki Roy  
NPTEL Coordinator  
IIT Kanpur

Indian Institute of Technology Kanpur

swayam

Roll No: NPTEL23MA65S35610129      To verify the certificate       No. of credits recommended: 2 or 3

**Elite**

**NPTEL Online Certification**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**GOMATHI AMBIGAI K**  
for successfully completing the course  
**Calculus of Several Real Variables**

with a consolidated score of **81** %

Online Assignments	24.38/25	Proctored Exam	56.25/75
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Total number of candidates certified in this course: **109**

Jul-Sep 2023  
(8 week course)

Prof. B. V. Ratish Kumar  
Chairman, Centre for Continuing Education  
IIT Kanpur

Prof. Satyaki Roy  
NPTEL Coordinator  
IIT Kanpur

Indian Institute of Technology Kanpur

swayam

Roll No: NPTEL23MA65S35610145      To verify the certificate       No. of credits recommended: 2 or 3

### ***PG Project***

***The project details of the PG Students of the academic year 2023 – 2024 is given below.***

<b>Register No</b>	<b>Name of the student</b>	<b>Title of the project</b>	<b>Name of the Guide</b>
22SPMT01	Antony Rosi. A	A study on Certified Domination in Strong Product of Graphs	Dr. J. Jenit Ajitha
22SPMT02	Anushya Devi. S	A Study on Nano Generalized Closed Sets in Nano Topological Spaces	Dr. P. Anbarasi Rodrigo
22SPMT03	Ashina Parveen. S	A view on Nano Topological Spaces	Dr. C. Reena
22SPMT04	Blessy Jebarani. A	A Study on Fractional Colouring of Graphs	Dr. R. Maria Irudhaya Aspin Chitra
22SPMT05	Florence Steffy. B	Comparative Study on Different Topological Spaces	Dr. P. Anbarasi Rodrigo
22SPMT06	George Swetha Thangam. J	Interpretation of a New Class of Set in Topological Spaces	Dr. C. Reena
22SPMT07	Jenishlin Oida. S	A Study on Inverse Domination in Graphs	Dr. J. Jenit Ajitha
22SPMT08	Kalaivani. K	Some Concepts on Labeling in Graph Theory.	Dr. R. Maria Irudhaya Aspin Chitra
22SPMT09	Mary Theres Goodwina. J	A Study On Split Domination in Graphs.	Dr. J. Jenit Ajitha
22SPMT10	Monisha Rose. G	A New Class of Open Set in Micro Topological Spaces.	Dr. P. Anbarasi Rodrigo
22SPMT11	Rashiba. J	A View on Regular*-Open Sets in Generalised and Nano Topological Spaces.	Dr. C. Reena
22SMPT12	Sahaya Perinba Prakasi. K	A Study on Totally Magic d-Lucky Labeling of Some Graphs.	Dr. R. Maria Irudhaya Aspin Chitra

### ***Pass Percentage:***

***The Pass Percentage of III B.Sc Mathematics is 75 % and II M.Sc Mathematics is 93.33%***

## Research Activities

Name	Publications	Book Chapter	Conference /Workshop	Seminar/ Webinar	FDP
Dr. P. Anbarasi Rodrigo	3	2	1	2	1
Dr. C. Reena	4	-	1	3	1
Dr. R. Maria Irudhaya Aspin Chitra	1	-	3	3	1
Ms. J. Jenit Ajitha	1	-	1	2	1

## Placement

*Ms. K. Kalaivani got placed as Principal in Sri Vivekananda Matriculation School, Thoothukudi*

## Higher Education

The table below gives the details about the higher education of the students

S. No	Name of student enrolled for higher education	Programme completed	Name of institution joined	Name of programme admitted to
1	Anushya Devi S	M.Sc Mathematics	VOC College of Education, Thoothukudi	B.Ed
2	George Swetha Thangam .J	M.Sc Mathematics	VOC College of Education, Thoothukudi	B.Ed
3	Monisha Rose G	M.Sc Mathematics	VOC College of Education, Thoothukudi	B.Ed
4	Rashiba .J	M.Sc Mathematics	St.Thomas College of Education, Thoothukudi	B.Ed