



**ST.MARY'S COLLEGE (Autonomous)**

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

**Thoothukudi - 628001, Tamil Nadu**

**Department of Mathematics**

**News Letter**

**2022-2023**



# **Editorial Team**

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**Assistant Professor of Mathematics**

**Dr.G.Priscilla Pacifica**  
**Assistant Professor of Mathematics**





# H.O.D's Message

Greetings! Dear Faculty and Students,

It is with immense pride and joy that we present the Department of Mathematics' Newsletter for the academic year 2022–2023. This compilation is a testament to the dedication, innovation, and collaboration demonstrated by our students and faculty. From workshops on cutting-edge topics like Python for Data Visualization to thought-provoking sessions on Intellectual Property Rights and Graph Theory, this year has been a journey of academic and professional growth.

Our outreach programs under the Community Development initiative have left a positive impact, emphasizing holistic education beyond the classroom. Celebrating student success in academics, sports, and cultural arenas has been truly inspiring. This newsletter reflects the vibrant spirit of our department, a hub of learning and leadership.

We hope you enjoy this glimpse into our endeavors and achievements. Let us continue to strive for excellence in the years ahead!

With Warm regards,

**Dr.V.L.Stella Arputha Mary**

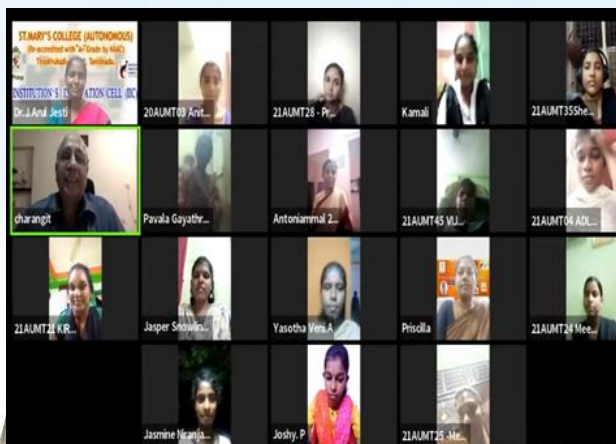
**Head of the Department of Mathematics**

# Activities of the Mathematical Association

## WORKSHOP ON INTELLECTUAL PROPERTY RIGHTS (IPRS) AND IP MANAGEMENT FOR START-UP

Date: 29.08.2022

The PG and Research Department of Mathematics, St.Mary's College (Autonomous), Thoothukudi in association with Institution's Innovation Council organized a **Workshop on Intellectual Property Rights (IPRs) and IP Management for Start-up** on 29<sup>th</sup> August 2022 at 7.00 pm through Zoom platform. Dr. Charanjit Kumar Sehgal, Managing Partner, Sehgal IPR Services, Mumbai, Maharashtra was the Resource Person. He explained about the history of Intellectual Property Rights and the components to be needed for an individual to have IPR and to become an entrepreneur and the primary requirement for IPR. 148 Students of Department of Mathematics participated enthusiastically and benefited from this workshop





# MATHEMATICS ASSOCIATION MEETING

**Date: 09.09.2022**

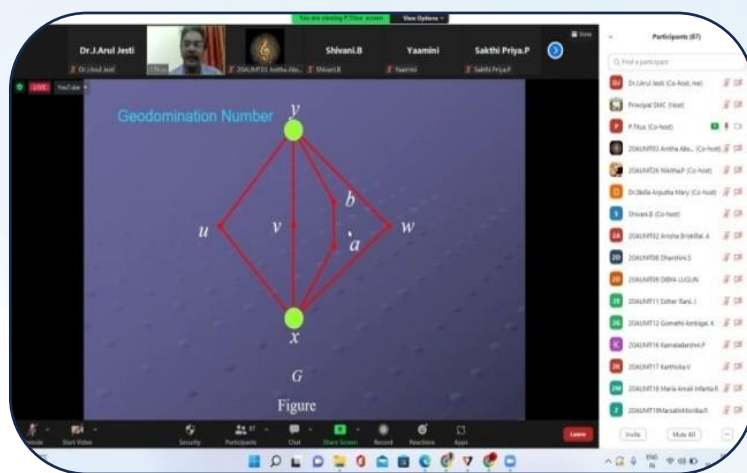
The Mathematics Association Meeting was held on 9<sup>th</sup> September 2022. Dr. P. Titus, Assistant Professor of Mathematics, University College of Engineering, Nagercoil presided over the meeting. The resource person started the session by interacting the students on the topic “Applications of Mathematics”. 121 Students of Department of Mathematics participated enthusiastically and benefited from this meeting.



# A SPECIAL LECTURE ON GEODETIC CONCEPTS IN GRAPHS

**Date: 18.10.2022**

The PG and Research Department of Mathematics and St.Mary's Mathematics Research Forum jointly organized a "A Special Lecture on Geodetic Concepts in Graphs" on 18<sup>th</sup> October 2022 at 6.00 pm through Zoom platform. Dr. P. Titus, Assistant Professor of Mathematics, University College of Engineering, Nagercoil was the Resource Person. He explained about Geodomination, Geodomination Number, Geodominating Set, Vertex Geodomination, etc., 86 participants were benefitted.





## MY STORY – MOTIVATIONAL SESSION BY SUCCESSFUL START-UP FOUNDER

**Date: 19.11.2022**

The PG and Research Department of Mathematics, St.Mary's College (Autonomous), Thoothukudi in association with Institution's Innovation Council organized a Motivational Session on **“My Story-Motivational Session by Successful Start-up Founder”** on 19<sup>th</sup> November 2022 at 5.00 pm through zoom platform. Dr. A. S. Reyas, Managing Director, ARSK Group of Companies, Madurai was the Resource Person.



# **A ONE DAY WORKSHOP ON "DATA VISUALIZATION USING PYTHON "**

**Date: 30.01.2023**

The Department of Mathematics, St. Mary's College (Autonomous), Thoothukudi organised a one day Workshop on 30th January, 2023. Dr. P. Johnson Durai Raj, Director, Postulate Info Tech Private Limited, Thoothukudi was the resource person.

The resource person instructed the students on "Data Visualization using Python ". He trained the students on Data processing, Data visualization, Data dimension, Data representation, Programming Language, Development frameworks and Python frame works, he also explained the job opportunities for those who learned Python programming. 80 Students of Department of Mathematics participated enthusiastically and benefited from this workshop.





# MATHEMATICS ASSOCIATION MEETING

**Date: 10.01.2023**

The Mathematics Association Meeting was held on 10th January, 2023. Dr. N. Meena, Assistant professor, Department of Mathematics M.D.T. Hindu College Tirunelveli presided over the meeting. The resource person started the session by interacting with the students on the topic "Open Support of a graph under addition and multiplication". 123 Students of Department of Mathematics participated enthusiastically and benefited from this meeting.





## Mentor Mentee System

This initiative promotes a nurturing environment, enabling students to excel in all aspects of their development supporting students' emotional well-being alongside their academic achievements and keeping comprehensive academic profiles and personal records for effective guidance.

### Odd Semester Dates:

09.09.2022, 16.09.2022, 07.10.2022, 14.10.2022,  
21.10.2022, 28.10.2022, 11.11.2022

### Even Semester Dates:

06.01.2023, 27.01.2023, 03.02.2023, 10.02.2023,  
17.02.2023, 10.03.2023, 17.03.2023

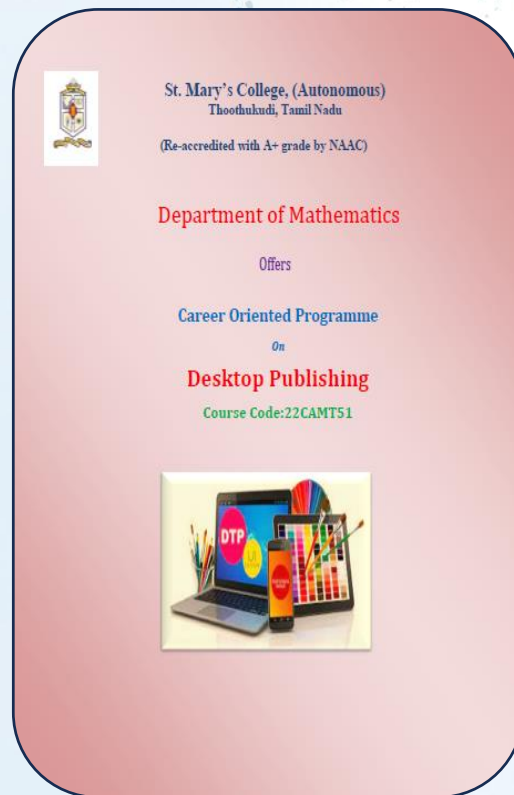


# Career Oriented Course offered to III Year Students

Name of the Course: DESKTOP  
PUBLISHING

The Department of Mathematics organized a Career-Oriented Programme on Desktop Publishing for III B.Sc. Mathematics for the academic year 2022-2023. The programme commenced on 2nd August 2022 with the aim of equipping students with essential skills in graphic design, layout, and publishing using software. The programme spanned over 40 hours, concluding on 16th November 2022 with afternoon sessions conducted out of regular class hours to accommodate participants' schedules. The programme curriculum was meticulously designed to cover fundamental concepts and advanced techniques in desktop publishing.

No of Students Enrolled: 38





## **Board of Studies:**

The Board of Studies Meeting of the Department of Mathematics was conducted on 24.04.2023 at 9.30 a.m in the Guest House of St.Mary's College (Autonomous), Thoothukudi. The subject experts of the board were, Dr.R.Uthayakumar, Head & Professor of Mathematics, Gandhigram Rural Institute, Gandhigram, Dr.P.Gnanachandra, Assistant Professor of Mathematics, Ayya Nadar Janaki Ammal College(Autonomous), Sivakasi, University nominee was Dr. K.Palani, Head & Associate Professor of Mathematics, A.P.C Mahalakshmi College for Women, Thoothukudi, Alumna was Dr.G.Sugantha, Assistant Professor of Mathematics, Pope's College(Autonomous), Sawyerpuram. The syllabus and course structure were acknowledged and approved by the Board.

## **Parents Teachers Association:**

The Parents-Teachers Association conducted regular meetings for all the parents and students of the department. The meetings were held as follows: for I B.Sc. on 21.01.2023, for II B.Sc. on 05.11.2022, and for III B.Sc. on 17.09.2022.



# Alumnae Meet

The Marian Alumnae Meet was organized as part of the Platinum Jubilee celebrations on 11.03.2023. Rev. Sr. Dr. S. Decla Mary, OSM, Superior General of the Servite Generalate, Chennai, graced the occasion as the chief guest.

## Research Publication / Presentation /Participation in RC/OC/Seminars/WS

Faculty Name	Publications in Journal	Conference participated	Seminars participated	Paper presented	Workshops attended	FDP's	Refresher Courses	Orientat ion /Inducti on Program mes	Tranin g Progr amme	Short term cours es
Dr.V.L.St ella Arputha Mary	1									
Dr.A.Pun itha Tharani	1									
Dr.Sr.Kul andai Therese	1	1				1	1			1
Dr.J.Arul Jesti	12	1		3		2			1	1
Dr.G.Pris cilla Pacifica	4			3						

## Membership in Professional Bodies – DC/BoS/Panel/Selection Committee/ As Resource Persons

Faculty Name	Programme	Position	Date
Dr.V.L. Stella Arputha Mary	V.O.C, Tuty	Member of Selection Committee for appointment of Asst. Professor	22.12.2 021
Dr. J. Arul Jesti	St. Ignatius College of Education, Palayamkot tai	Resource Person- Special Lecture	01.09.2 022
Dr. J. Arul Jesti	Enrichmen t Programm e-G. Venkatasw amy Naidu College	Resource Person - Special Lecture	04.11.2 022
Dr. J. Arul Jesti	A.P.C, Tuty	Member of Selection Committee for appointment of Asst. Professor	04.01.2 023





## Research Centre

The Research Centre of Mathematics was successfully renewed on 05-08-2022, ensuring its continued accreditation

## New Scholars

Scholar	Guide	Commencement Date
Joslin Amala D	Dr. A. Punitha Tharani	28.11.2022

# Ph.D Awarded

Name of the Scholar	Name of the Guide	Date of Viva-Voce Examination
Sujitha H	Dr. A. Punitha Tharani	26.09.2022
Ferdina A	Dr. A. Punitha Tharani	22.12.2022

## CDP Report

- The Community Development Programme and Unnat Bharat Abhiyan of the Department of Mathematics organized an Awareness Programme on “**National Flag Hoisting**” in the kalangarai village of Korampallam Panchayat, Thoothukudi District on 13.08.2022. Ms. Selva Prabha, Panchayat President, Korampallam Panchayat was the Chief Guest of the programme. In her presence, all the houses were given the National Flag.





On behalf of the Department of Mathematics, St.Mary's College (Autonomous), Thoothukudi various events were organized by the students of the Department of Mathematics to observe Children's Day on 12.11.2022 in North Kalangarai village of Korampallam Panchayat under the Unnat Bharat Abhiyan and Community Development Programme. An awareness screen play and dialogue were conducted for the children of Kalangarai village on how to live a healthy life without disease through personal hygiene.



Students of the Department of Mathematics, St.Mary's College (Autonomous), Thoothukudi participated in the GramaSabha held on 15.08.2022 in Anthoniyarpuram village of Korampallampanchayat and expressed the needs of the villagers. Also mentioned the steps being taken by the college for the betterment of the villagers and requested cooperation of the villagers. The GramaSabha was presided over by KorampallamPanchayat President Mrs. SelvaPrabha.





Unnat Bharat Abhiyan and Community Development Program of the Department of Mathematics, St. Mary's College, Rajesh Thilak Multi-Speciality Hospital, Dr. Aggarwal Eye Hospital, and Vizhaivu Pookal Foundation jointly organised a Free Medical and Eye Camp in the Subramaniapuram Village of Korampalampanchayat on 26th January 2023 at 10.a.m. The Doctors gave medical treatments for the public who participated in the camp. The People from all walks of life participated in the Camp and benefited. Mr. S.S. Mani, Dr. Rajesh Tilak, Dr. Aggarwal, Dr. J. Arul Jesti, and Dr. G. Priscilla Pacifica made arrangements for this camp. Also, the II B.Sc. students of Department of Mathematics participated in the Gram Sabha and discussed about the environmental sustainability and leprosy with the public.





# Educational Tour/ IV Report

The PG and Research Department of Mathematics organized an Industrial Visit for the III UG and II PG students as part of their curriculum activity. Fluid Control Research Institute, Under Ministry of Heavy Industries, Govt. of India, Palakkad, Kerala, India, was chosen for the visit and a group of 50 students visited along with 4 faculty members on 14.04.2023



# Outstanding Performance In Sports/ Cultural Activities

Sl. No.	Date	Name of the award/ medal	Team / Individual	inter-university / state / National/ International	Name of the event	Name of the student
1	10.09.2022	Gold	Individual	District	100 Meters	Ravishni Priya
2	10.09.2022	Gold	Individual	District	200 Meters	Ravishni Priya
3	10.09.2022	Gold	Team	District	Relay	Ravishni Priya
4	19.11.2022	Runner	Team	Inter University	Football	Ravishni Priya
5	23.01.2023	Winner	Team	District	Kho Kho	Ravishni Priya
6	6.01.2023	Fourth	Team	Inter University	Kho Kho	Ravishni Priya
7	22.07.2022	Participation	Individual	District	Squash	Agnes. S
8	12.10.2022	Participation	Individual	District	Squash	V. Joans Balscia
9	12.10.2022	Participation	Team	District	Dance	S.Priyadarsini







## Projects of outgoing students (III UG)

III UG PROJECTS	
No of Projects Submitted	07

S.No	Title of the Projects submitted by III UG students
1.	CRYPTOGRAPHY
2.	A STUDY ON BIOSTATISTICS
3.	HB COLOURING
4.	Z-TRANSFORM
5.	A STUDY ON VITAL STATISTICS
6.	A STUDY ON FUCHSIAN GROUPS
7.	GAME THEORY



## III UG Pass percentage

No of Students Appeared	No of Students Passed	Exemplary	Distinction	Pass Percentage

## Higher Education

Sl.No	Name of student enrolled for higher education	Name of institution joined	Name of programme admitted to
1	S.ALAN MESTIKA	Thiagarajar College of Engineering, Madurai	MCA
2	Anisha Briskillal.A	St.Mary's College (Autonomous), Thoothukudi.	M.Sc. Mathematics
3	Anitha Absara A	St. Thomas College of Education, Thoothukudi	B. Ed.
4	M.Blessy Rinisha	SRM UNIVERSITY (KTR), Kattankulathur Campur, Chengalpatt Dist	M.Sc. Applied Data Science
5	Catherin Imagulate .J	V.O.C.College of Education, Thoothukudi	B.Ed 1st year
6	Dharshini. S	Kongu arts and science college (Autonomous)	MCA
7	Esther Rani J	St. Mary 's college (Autonomous), Thoothukudi	M.Sc. Mathematics
8	K.Gomathi Ambigai	St. Mary's Autonomous College, Thoothukudi.	M.Sc. Mathematics
9	Jinimol.S	St.Mary's College(Autonomous), Thoothukudi.	M.Sc. Mathematics
10	Karthicka V	PSG College of Technology, Coimbatore	M.Sc.Applied Mathematics



11	R. Marsalin Monika	Lady Doak College(Autonomous), Madurai.	M.Sc. Mathematics
12	Mary RONALDA.R	Holy cross college (Autonomous), Nagercoil	M.Sc. Mathematics
13	Muthu RajaSri.R	CA CMA CS Institute	CA intermediate
14	Najeem Dowlath K	V.O.Chidambaram College, Thoothukudi	M.Sc. Mathematics
15	Nandhini. L	V.O.Chidambaram college (Tuticorin)	M.Sc. Mathematics
16	Nikitha.P	SRM University (KTR) Chengalpattu	M.Sc. Applied Data Science
17	Oshin Merisha R	Mepco Schlenk Engineering College	MBA
18	RITHIYA M	St. Thomas college of education	B.Ed
19	Santhana Mari B	A.P.C Mahalaxmi Womens' College, Thoothukudi.	M.Sc. Mathematics
20	D.Saranya	St.Mary's College (Autonomous)	M.Sc. Mathematics
21	Shehina K	Annamalai University ( Directorate of Distance Education)	M.Sc. Mathematics
22	Shivani.B	University of Madras	<a href="#">M.Sc. Statistics</a>
23	Snowin Brindha	St.Xavier's College of Education, Palayamkottai	B.Ed.
24	Sri Padmavalli	St.Thomas college of education	B.Ed.
25	Veera Lakshmi. M	St. Thomas college of education	B.Ed.

# Placement

**Congratulations! to the students  
who got placement**

Sl.NO	Year	Name of student placed	Name of the employer	Pay package at appointment
1	2022-2023	Milda Roselin. D	AVM Hospital , Thoothukudi	Rs.12000 per month
2	2022-2023	Nixitha N	AARA SEA FOODS	Rs.8000 per month
3	2022-2023	Sugapriya.R	Foxconn Hon Hai India Mega Development Private Limited,Chennai.	Rs.14000 per month
4	2022-2023	Vellathurachi M	Ramesh Flowers Private Limited	Rs.12,000 per month