



ST. MARY'S COLLEGE (AUTONOMOUS)

Re-accredited with 'A+' by NAAC

(4th Cycle)

Thoothukudi- 628001, Tamil Nadu

Department of Mathematics

News Letter

2019-2020

Editorial Team

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**Head & Associate Professor of
Mathematics**

Dr.V.L.Stella Arputha Mary

Assistant Professor of Mathematics

Dr.Sr.S.Kulandai Therese

Assistant Professor of Mathematics

Dr.J.Arul Jesti

Assistant Professor of Mathematics

Dr.G.Priscilla Pacifica

Assistant Professor of Mathematics

H.O.D's Message

Dear Faculty and Students,

We are delighted to present the Mathematics Department Newsletter for the academic year 2019-2020, capturing a year filled with achievements and activities. The department hosted enriching guest lectures, national conferences, workshops, and community development programs, fostering both academic and social impact.

Our students excelled in conferences, seminars, and innovative projects while pursuing higher education and career opportunities. The faculty's dedication to research and mentoring created an inspiring environment for growth.

This newsletter celebrates these milestones, highlighting our collective pursuit of knowledge and excellence. We thank everyone for their contributions and hope this serves as a source of inspiration for future endeavors.

Warm regards,

Dr.V.L.Stella Arputha Mary
Head & Assistant Professor
Department of Mathematics

Activities of the Mathematics Association

D. JOSLIN AMALA of III B.Sc Mathematics was elected as Student Union Chairman of the College and took charge on 5/07/2019 in the Union Inauguration Ceremony. The office bearers N.Shenbagavalli, S.M.Janu Priyadharshini and K.Kalaivani were elected as the President, Vice President and Secretary of Mathematics Association under the guidance of Dr. A. Punitha Tharani, HOD of Mathematics.

Guest Lecture

The Department of Mathematics organized a Guest Lecture on 24/06/2019.

Dr S. Ilangovan, Associate Professor of Mathematics, University of Hyderabad was the resource person, he delivered lecture on Mount Everest of Mathematics.



National Conference

SERB sponsored National Conference on “Advances in Mathematics” on 12/03/2020 and 13/03/2020.

Two Day Workshop on MATLAB Based Mathematical Applications

The PG and Research Department of Mathematics, St. Mary's College (Autonomous) organized a Two Days Workshop on MATLAB Based Mathematical Applications, Hands on Training, (Catalyzed and and financially supported by Tamilnadu State Council For Science And Technology(TNSCST), Department of Higher Education, Government Of Tamilnadu on 11/07/2019 and 12/07/2019.

Dr.M. Willjuice Iruthayarajan, Professor and Head, Department of EEE, National Engineering College, Kovilpatti and Dr.L.Kalaivani, Professor, Department of EEE, National Engineering College, Kovilpatti were the resource persons.



Association Meeting

The Mathematics Association Meeting was held on 25/09/2019. Ms.F.Ludyma Fernando, co-ordinator and Assistant Professor, Department of Computer Science(SSC), St. Mary's College (Autonomous), Thoothukudi was the Chief Guest. The session was made informative by the remarkable address of the speaker on "Internet Era".



Mentor Mentee System

This system is designed to create a positive and supportive atmosphere where students can grow and succeed in all areas of their lives. It focuses on fostering academic success while also prioritizing the emotional well-being of students.

Odd Semester Dates : 09.08.19, 16.08.19,13.09.19, 27.09.19, 04.10.19, 18.10.19

Even Semester Dates : 24.12.20, 31.01.20,07.02.20, 28.02.20, 06.03.20

Certificate Courses

Tally. ERP 9 was offered as a Certificate Course by the Department of Mathematics, St. Mary's College (Autonomous), Thoothukudi to the II UG students from 9th July 2019 to 10th March 2020. Ms. M. Jeyalakshmi., trainer from RJ Computers-Education Centre was the course instructor. Out of 51 students enrolled the course, 49 students completed successfully. The course was held after the regular college hours for 60 hours.



Desktop Publishing was offered as a Career Oriented Course by the department of Mathematics, St. Mary's College (Autonomous), Thoothukudi to the III UG students from 8th July 2019 to 27th February 2020. Ms. M. Jeyalakshmi, trainer from RJ Computers-Education Centre was the course instructor. 51 students enrolled and completed successfully. The course was held after the regular college hours for 40 hours.



Board of Studies

The Board of Studies Meeting of the Department of Mathematics was conducted on 01.02.2020 at 10 a.m in the Audio Visual Room of St.Mary's College (Autonomous), Thoothukudi. The subject experts of the board were Dr. A. Lourdusamy, Associate Professor of Mathematics, St. Xavier's College(Autonomous), Palayamkottai, Dr.S.Somasundaram, Assistant Professor of Mathematics, Manonmaniam Sundaranar University, University nominee was Dr.N. Soundararaj, Associate Professor of Mathematics, Sri.S.Ramasamy Naidu Memorial College, Sattur The syllabus and course structure were acknowledged and approved by the Board.

Parent Teacher Association Meet

The Parent Teacher Association conducts meetings for all the parents. The PTA aims to assess the overall growth of the student during her course of study in the institution. In the academic year 2019-2020, two meetings were held for the of III UG & II UG students on 17.08.2019 and 27.09.2019 respectively. The chief guests where Lr. G. Mahendran, M.A.,LLB., Advocate &Dr. C. Devi Ramya M.D (O&G), Theiva Nursing Home, Thoothukudi respectively.

New Faculty Appointed

Name of the Faculty : Dr.G.Priscilla Pacifica

Date of Appointment : 17.06.2019

Faculty Name	Publications in Journal	Conferences participated	Seminars participated	Papers presented	Workshops attended	FDP's	Refresher Courses	Orientation /Induction Programmes	Training Programmes	Short term courses
Dr.V.L.Stella Arputha Mary			6	1	2					
Dr.A.Punitha Tharani	8		9		2	6				
Dr.Sr.Kulanthai Therese	2	1	12	4	7	5		1		
Dr.J.Aruljessi	4		10	5	9	5				
Dr.G.Priscilla Pacifica	5		5	2	2	1				

Faculty Research Activities Membership in Professional Bodies – DC/BoS/Panel/Selection Committee etc.

Faculty Name	Programme	Position	Date
Dr.A. Punitha Tharani	PSG College of Arts and Science, Coimbatore	External Examiner	02.03.2020
	PSG College of Arts and Science, Coimbatore	External Examiner	09.03.2020
	Kamaraj College, Thoothukudi	Examiner	20.03.2020

Community Development Programme Report

The Department of Mathematics organised a Community Development(CDP) UBA programme on 10/08/2019 in Korampallam. The students of II. B. Sc. Mathematics visited the houses in Koramballam to implement the ideas of Water Conservation and Cleanliness among people. Two students and the staff in-charge Dr.J.Arul Jesti participated in the **Village Sabha** organised by the Village Panchayat on 13/09/2019. The people of Korampallam discussed their needs and oath was taken regarding healthy nutrients.



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The Department of Mathematics organised the CDP and UBA programme on 28/09/2019 at Korampallam on the topic “Water Conservation and Plastic Free Village” under Jal Sakthi Gram and Swachata Hi Sewa. Ms. Muthumari and Ms.Doni Limra of II B.Sc. Mathematics gave an awareness speech. The students performed Tableau and Awareness Song



On 05/10/2019, the students of II B.Sc Mathematics involved themselves in teaching the children and clearing their doubts in the subjects. Also the students visited the houses in Vadakku Kalangarai, Korampallam Panchayat and created awareness about the fever “Killer Dengue”.



The Unnat Bharat Abiyan of Department of Mathematics, in collaboration with Rajesh Thilak Multi Speciality Hospital and Vizhaivu Pookal Arakattalai organised a Free Medical Camp on 07/12/2019 in Vadakku Kalangarai, Korampallam Panchayat. Dr.Kulandai Therese inaugurated the medical camp. Dr.Rajesh Thilak consulted regarding the health of the people and gave medicine. He reported us that the children in Kalangarai are affected with malnutrition.



On 25/01/2020 the department celebrated National voters day in Korampallam Village (Vadakku Kalangarai). Thus organised a rally and created awareness on voting among people. Also in order to develop the economical background of unemployed women, the department inaugurated the Workshop on Palm Leaf Craft for Women which is to be held from 10/02/2020 to 21/02/2020.



The department celebrated Republic Day with the people of Korampallam and participated in the Grama Sabha held on 26/01/2020.



The Department of Mathematics, St.Mary's College(Autonomous), Thoothukudi, and Unnat Bharat Abhiyan jointly organised **Two weeks free training programme on the topic "Entrepreneurship Training on Palm leaf for Rural Women"** in Korampallam, Thoothukudi district from **10/02/2020 to 21/02/2020**

.Ms.X.Rajathi,M.D of Morning Star social and Educational trust is the trainer of the Programme.



Educational tour

An educational trip was organized by the Department of Mathematics to the District Science Centre, Tirunelveli for the students of II UG Mathematics on 26/09/2019.



On 2nd March 2020, 47 students visited the Kodaikanal Solar Observatory, Indian Institute of Astrophysics (Govt of India, Ministry of Science & Technology). The visit provided an enriching experience, offering insights into space technology, celestial phenomena, and satellite systems. This academically focused tour deepened students' understanding of astrophysics and advanced scientific research



Students Participation in Seminars/Conference/Workshop

Yea r	No. of Stude nts	Seminar / Conference/ Workshop Attended									No. of Paper Presenta tion
		State			National			Internatio nal			
		S	C	W	S	C	W	S	C	W	
201 9 – 202 0	163	16	-	-	53	3	2	4 4	4	-	7

Projects of outgoing Students

III UG PROJECTS	
No of Projects Submitted	10

S. No.	Title of the Projects submitted by III UG students
1.	Fuzzy Theory and Basic Concepts
2.	Boolean Algebra
3.	Vertex And Edge Magic Labeling
4.	Topological Indices f The Tensor Product of Graphs
5.	Statistics With R
6.	A Study on Near-Rings
7.	Studies on Theory of Space Curve
8.	Studies on Inventory Control
9.	Essential Number Theory and its Cryptosystems
10	A Study on Vague Set

III UG Pass percentage

No of Students Appeared	No of Students Passed	Exemplary	Distinction	Pass Percentage
51	51	2	26	100

Higher Education

Name of student enrolled for higher education	Name of institution joined	Name of programme admitted to
Ancy J	VOC College of Education	B.Ed.
Antony Rabista G	St. Mary's College (Autonomous), Thoothukudi.	M.Sc. Mathematics
Emi Golda R	St. Mary's College (Autonomous), Thoothukudi.	M.Sc. Mathematics
Epsrin A	Sivanthi Adhithanar College of Education, Thiruchendur	B.Ed.
Janu Priyadharshini S M	St. Mary's College (Autonomous), Thoothukudi.	M.Sc. Mathematics
Jerina P	Raja Lakshmi College of Education, Thoovipuram	B. Ed.
Joslin Amala D	St. Mary's College (Autonomous), Thoothukudi.	M.Sc. Mathematics
Kanagalakshmi P	Government Arts and Science College , Kovilpatti	M.Sc. Mathematics
Martina Divaincy T	St.Xavier College, (Autonomous), Palayamkottai.	MCA
Nishanthi P	St.Thomas College of Education, Thoothukudi	B. Ed.
Perpetual Lifny R	St.Ignatius College of Education, Palayamkottai.	B. Ed.
Preethi R	Dr.Shivanthi Adhithanar College, Thiruchendur	B. Ed.
Priyadharshini S	Dr.Shivanthi Adhithanar College, Thiruchendur	B. Ed.
Ruby Silviya H	St. Mary's College (Autonomous), Thoothukudi.	M.Sc. Mathematics
Sangeetha P	Government Arts and Science College, Kovilpatti.	M.Sc. Mathematics
Seenu N	St.Thomas college of Education thoothukudi .	B. Ed.
Sherina Jacinth S	The American College, Madurai.	M.Sc. Mathematics
Sirajunisa N L	Alagappa University (Distance Education)	M.Sc. Mathematics
Stephy S	St.Thomas college of Education Thoothukudi .	B.Ed.
Subbammal P	Kamaraj College, Thoothukudi	M. Sc. Mathematics
Swetha V	The American College, Madurai	MCA
Thillai Nayaki S	St.Mary's College (Autonomous), Thoothukudi.	M.Sc. Mathematics
Vennila W	St.Mary's College (Autonomous), Thoothukudi.	M.Sc. Mathematics