



M.M.E.S. WOMEN'S ARTS AND SCIENCE COLLEGE
Accredited by NAAC with B+ Grade
(Affiliated to Thiruvalluvar University)
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DEPARTMENT OF MATHEMATICS
ANNUAL REPORT 2024-2025

Induction program for first year students. The Department of Mathematics presented a power point presentation on various activities.

On June 28&29, 2024, Mrs K.Subbulakshmi from the Department of Mathematics participated Faculty Development Programme on the topic "Data Analytics using visualization" Thiruvalluvar University, Serkkadu.

Six staff members from the Department of Mathematics participated in the Webinar 29.06.2024 organized by the Department of Mathematics, kalasalingam academy of research and education, deemed to be university.

From 01.07.2024 to 06.07.2024, Mrs J.Sandhiya from the Department of Mathematics completed the Faculty Development Programme organized by Microsoft in partnership with Naan mudhalvan.

Eight staff members from the Department of Mathematics participated in one day online faculty development of data Analytics, the topic "Graph based technique in secures network cryptography" saveetha college of liberal arts and science on 3.7.24

Three staff members from the Department of Mathematics participated in 5 days National level online teachers training program from 22.7.2024 to 26.7.2024 organized by Association of Muslim professionals.

Dr.V.S.V Naga Soundarya Lakshmi from the Department of Mathematics participated in the five days Faculty Development Programme on topic "Numerical computations and Dynamical systems" from 22.7.2024 to 26.7.2024 organised by Anurag university Hyderabad.

Dr.V.S.V Naga Soundarya Lakshmi from the Department of Mathematics participated in the three days Faculty Development Programme on topic "Idea Generation methods" from 5.8.2024 to 7.8.2024 organised by ICT Academy.

Seven staff members from the Department of Mathematics participated in 3 days National level faculty development program from 8.8.2024 to 10.8.2024 on the topic "Foundational sciences:the cornerstones of engineering" organised by Department of freshman Engineering at sphoorthy Engineering college, Hyderabad.

Four staff members from the Department of Mathematics has attended an Expert talk on 16.8.2024 on topic "Reaching the success and coping with the Failure" organized by Department of mathematics SRM Institute of science and technology, Ramapuram campus, Chennai, India

The Department of mathematics and IQAC celebrated world Humanitarian Day by organizing an Essay competition in English and Tamil on 19.8.2024. More than 49 students from the various departments of our college enthusiastically participated in "Essay Writing competition" on topics English & Tamil "Role of compassion in the humanitarian Effort : How Individuals can make a difference".

Seven staff members from the Department of Mathematics participated in 2 days faculty development program from 20.8.2024 to 21.8.2024 the topic "Unveiling Emerging Research Trends in Mathematics" organised by SRM Madurai college for Engineering and Technology.

Mrs K. Subbulakshmi from the Department of Mathematics participated in the two days Workshop on topic "Sage math" from 22.8.2024 to 23.8.2024 organised by Dr M.G.R Educational and Research institute.

Ms V. Jyothimani from the Department of Mathematics participated in the two days Workshop on topic "The equation of intelligence exploring the fusion of mathematics and AI" from 23.8.2024 to 24.8.2024 organised by SRM institute of science and technology.

Ms V. Jyothimani from the Department of Mathematics participated in the 5 days National level online teachers training program from 26.8.2024 to 30.8.2024 organised by Association of Muslim Professional.

Four staff members from the Department of Mathematics has participated in the online seminar on 28.8.2024 topic "preparation tips to crack NET/SLET and competitive exams" organized by Department of mathematics Dr M.G.R Educational and Research institute.

The Department of Mathematics, math masters club and IQAC organised State level seminar on 30.08.2024. The resource person, Dr. A. SABARMATHI Assistant Professor, Auxilium College has delivered an effective lecture on the topic "APPLICATION OF DIFFERENTIAL EQUATION IN MACHINE LEARNING". More than 98 participants were actively participated in the seminar.

Five staff members from the Department of Mathematics participated in 5 days National Virtual faculty development program from 2.9.2024 to 6.9.2024 the topic "Integrating NEP2020 into higher education : strategies for faculty development and curriculum innovation" organised by Department of Business Administration and department of commerce Hindustan college of arts and science, Coimbatore.

Dr T. Ranjani from the Department of Mathematics participated in 5 days National Virtual faculty development program from 18.9.2024 to 22.9.2024 on the topic "Future Trend

and Emerging Technologies in Academia” organised by PG Department of computer science ,sacred heart college ,tirupattur.

Four staff members from the Department of Mathematics participated in one day National Workshop on 22.09.2024 the topic “Graph theory in memory of prof K.Sampath Kumer ” Sridharacharya academy of mathematical science,midnapore,west bengal,india

On 26.09.2024,the Department of mathematics and math masters club conducted power point presentation competition for UG and PG students on the topic “REAL WORLD APPLICATION OF MATHEMATICAL CONCEPTS IN AI AND MACHINE LEARNING” More than 15 students actively participated in the competition and presented the paper. The activity was judged by Dr.V.R .Punithavathi M.Sc., MPhil, Ph.D, PDF Head department of Bio-Technology. M.M.E.SWOMEN’SARTSANDSCIENCE COLLEGE, MELVISHARAM.

The Department of Mathematics and math masters club organised online webinar on 03.10.2024. The resource person, Dr. Suresh Elumalai, Assistant Professor, SRM Institute of science and technology , Chennai has delivered an effective lecture on the topic " Graph Theory Exploring Future Research Directions ". More than 95 participants were actively participated in the seminar.

Dr.J.Yogambigai from the Department of Mathematics has completed the “NEP2020 ORIENTATION AND SENSITIZATION PROGRAMME” under malaviya mission teacher training programme of UGC organized by UGC-MMTTC, Maulana Azad National Urdu University Hyderabad from 7.10.2024 to 16.10.2024.

On 10.10.2024, 16 students from mathematics Department participated in” POSTER PRESENTATION ” conduced by the department of mathematics on accounts of “MENTAL HEALTH DAY”

On 10.10.2024, 14 students from mathematics Department participated in” One day Workshop” organized by A.A.A College, walajapet. Topic “EXPLORE IN GEOGEBRA”

Ms V.Jyothimani from the Department of Mathematics participated in the online seminar titled “Case Based Mathematical modelling with Differential equation” held on 28.10.2024. Organized by Faculty of Humanities and science and Department of mathematics,Dr M.G.R Educational and Research institute.

Dr.V.S.V Naga Soundarya Lakshmi from the Department of Mathematics has completed one week (40 hours) Faculty Development program on the topic “Microsoft power BI Data Analyst” hosted by Marudhar kesari jain college for women during 11.11.2024 to 15.11.2024 organized by E & ICT Academy.

Nine staff members from the Department of Mathematics has participated and successfully completed the UGC sponsored Two weeks online Interdisciplinary Refresher course on the topic “USE OF ARTIFICIAL INTELLIGENCE IN HIGHER EDUCATION” held from 9.12.2024to 21.12.2024 organised by Malaviya mission teacher training centre university of Haryana.

The Department of mathematics, in collaboration with math master club proudly celebrated National mathematics day on 22.12.2024 .As part of celebration an e-QUIZ was conducted for students from various departments actively participated in the competition. The event received an overwhelming response ,with over 341 participants for the QUIZ.

On 22.12.2024 , 23 students from mathematics Department participated in mathematical events and competition (online)organized by Department of Mathematics ,Sri sankara arts and science college,kanchipuram and won the prizes in various events.

Ms V.Jyothimani from the Department of Mathematics participated in the International seminar “Mathematics –The Gate way to the Emerging Trends of Technology 2024 ” held on 24.12.2024. organized by Department of Mathematics, Justice Basheer Ahmed Sayeed college for women ,Chennai

Ms V.Jyothimani from the Department of Mathematics participated in the 5 days National level online FDP on the topic “On Beyond Boundaries : Driving Innovation in Research” from 26.12.2024.to30.12.2024 organized by committee for Research Ethics ,Publication and IPR,Auxilium college vellore in collaboration with north east institute of social science and Research,Dimapur,Nagaland.

Ms S.Sathyapriya from the Department of Mathematics attended the faculty development program on the topic “ POWER BI” conduted by Nann mudhalvan scheme at Thiruvalluvar University, Serkkadu,from 6.1.2025 to 11.1.2025.

Dr T.Ranjani from the Department of Mathematics attended the faculty development program on the topic “ ADVANCED DATA ANALYSIS AND VISUALIZATION” conduted by Nann mudhalvan scheme at Thiruvalluvar University, Serkkadu from 20.1.2025 to 25.1.2025.

The students (44) and staff member(9) of department of mathematics visited the open house at IIT madras ,Adyar,Chennai on 04.01.2025.It was a great opportunity to explore the Research Project and technical labs of various department such as

1. Civil engineering
- 2.applied Mechanics and biomedical department
3. Biotechnology department
4. Engineering design
5. Computer science department
6. Ocean engineering and also attended the talks and seminars.

On 22nd January 2025, 5 M.Sc mathematics &5 B.Sc mathematics students from the department of mathematics accompanied by Mrs.D.RADHA,Ms S.SATHYAPRIYA and Mrs J.SANDHIYA visited GANGAADARAA MATRIC HIGHER SECONDARY SCHOOL,NAVALPUR ,RANIPET .They created awareness about the benefit and significance of mathematics in daily life .Around 150 school students have been participated in the discussion about the connection of mathematics to various field .The program gave the awareness and importance of mathematics which encourage the students to explore in the future.

Department of mathematics and IQAC organised an Alumanae talk on the topic “Mathematics in data science :trends and Application “,on January 23,2025 .Around 99 student of our college has been participated in the talk who are inspired by her achievement . Resource person: Ms.BHARGAVI SRI.V Data analyst and Data Engineering ,Indium make Technology work,Chennai.

6 I B.Sc mathematics students of the department has participated in the state level workshop on “GEOGEBRA” Organised by Auxilum college,vellore on 28.01.2025.

13 II B.Sc mathematics of the department has participated in the One day State level seminar on“KUMARAN’S NUMBER THEORY ABOUT RAMANUJAM ”organised by Arcot sri mahalakshmi women’s college,villapakkam.

IIC Department of mathematics and IQAC orgained a workshop on“PROBLEM SOLVING AND PRODUCT INNOVATION” On 19.02.2025 .122 students and staff members were participated in the workshop .The highlight of the workshop was the discussion on GDP,Local brands and TNSTARTUP.The Resource person Mr.MOHAMMED IDREES AHMED .R Weldys Engineers,Vellore.

Dr.V.S.V Naga Soundarya Lakshmi and Ms.S.Sathyapriya of the department of mathematics participated and presented a paper in the international conference on innovation and Recent trends in applied mathematics held on 21.02.2025 & 22.02.2025. conducted by SRM Institute of science and Technology,vadapalani, Chennai.Title of the paper: Dynamics of chikungunya infaction model with carrier state in Host vector population.

Student of I B.Sc mathematics has participated and exhibit the drawing in “ART EXPO” Organised by Department of IDD of our college on 26.02.2025

8 students of department of mathematics has participated and exhibit the model in the science Expo 2025 organised by department of Biotechnology of our college on 28.02.2025

18 students of department of mathematics has participated in the competition “Roots&Rhythm 2K25” organised by Thiruvalluvar university ,serkkadu,vellore from 04.03.2025 to 07.03.2025.



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MATH MASTERS CLUB
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Math Masters Club arranged the representative meeting on 21.08.2024 to introduce the club goals and objectives. Dr. J. Yogambigai, Head of the Department of Mathematics and Math Masters Club coordinator Dr. R. Agalya, and members Miss. V. Jyothimani & Dr. V.S.V. Naga Soundarya Lakshmi discussed the advantages of aptitude tests in the competitive examinations and also discussed the WhatsApp group to distribute the study materials.

On 21.08.2024, the club coordinator sent the study material about the topic “Numbers” through the WhatsApp group.

On 23.08.2024, the club coordinator sent the study material about the topic HCF & LCM through the WhatsApp group.

The club coordinator sent the study material about the topic Profit & Loss through the WhatsApp group on 28.08.2024.

The club coordinator sent the study material about the topic of simple interest through the WhatsApp group on 04.09.2024.

The club coordinator sent the study material about the topic of compound interest through the WhatsApp group on 06.09.2024.

On 20.09.2024, the Math Masters club conducted an aptitude test in online mode by sending a Google link to the students. More than 200 students participated in this test to prove their aptitude skills.

On 26.09.2024, the club coordinator sent the study material about the topic Ratio & Proportion through the WhatsApp group.

On 27.09.2024, the club coordinator sent the study material about the topic Time & Work through the WhatsApp group.

On 04.10.2024, the club coordinator sent the study material about the topic Percentage through the WhatsApp group.

Math Masters Club conducted a quiz competition for all final-year students on 08.10.2024. More than 20 students actively participated in the competition. Finally, the top three winning teams are revealed.

The club coordinator sends the study material about the topic Problems on Ages through the WhatsApp group on 21.01.2025.

The club coordinator sent the study material about the topic of square roots and cube roots through the WhatsApp group on 22.01.2025.

The club coordinator sent the study material about the topic Simplification through the WhatsApp group on 28.01.2025.

On 31 Jan. 2025, the Math Masters club & IQAC conducted an aptitude test in offline mode. 20 students actively participated in this competition to explore their mathematical knowledge.

On March 5, 2025, the club coordinator sent the study material about the topic Time & Distance through the WhatsApp group.

On March 6, 2025, the club coordinator sent the study material about the topic Average through the WhatsApp group.

On March 7, 2025, the club coordinator sent the study material about the topic area through the WhatsApp group.