

Gallery

PG and Research Department of Mathematics (Shift II)

ACADEMIC YEAR: 2023 – 2024



Inauguration of the PG Mathematics Association: **Invited talk** on the topic “Testing Statistical Hypothesis using Statistical Fractal Analysis for Imprecise Data” was organized by the PG and Research Department of Mathematics on **01.08.2023**. The Resource Person was **Dr. Kalpanapriya D.**, Assistant Professor, Department of Mathematics, School of Advanced Sciences, VIT University, Vellore.



The AIIC unit Brains and Beauty of PG and Research Department of Mathematics organized “A Training Programme for Math Olympiad” on 22.11.2023. The Resource Person **Ms. Nandhini V.G.** (Alumna: 2005 - 2007), Teaching Staff, Pincushion Montessori International School, Brahmapuram, Vellore – 632 106, explained the concepts of the Math Olympiad to the students of B.Sc. and M.Sc. Mathematics.



Rev. Sr. Devadoss Margaret, The Provincial, Chennai Province inaugurated Auxilium Innovation and Incubation Centre Block on 24.11.2023. **Dr. L. Sujatha**, Head, PG & Research Dept. of Mathematics explained the plan of the AIIC unit “Brains and Beauty” of the PG and Research Department of Mathematics.



The “Joy of Giving”- an Outreach Programme was organized by the PG and Research Department of Mathematics, Auxilium College (Autonomous), Vellore on **13.12.2023**. The staff members and students of M.Sc. Mathematics celebrated Christmas with the residents of **Aathma Shanthi Old Age Home, Katpadi**.



Workshop on “LATEX- A Document preparation system” was organized by the PG and Research Department on **19.12.2023**. The Resource Person **Dr. Jothilakshmi R.**, Assistant Professor and Head, Dept. of Mathematics, Mazharul Uloom College, Ambur, explained the importance of “LaTeX” software in research. A total of **55 students** from M.Sc. Mathematics were benefited.



The PG and Research Department of Mathematics presented the value presentation through skit on the theme “**Optimism**”representing great legendson **03.01.2024**.



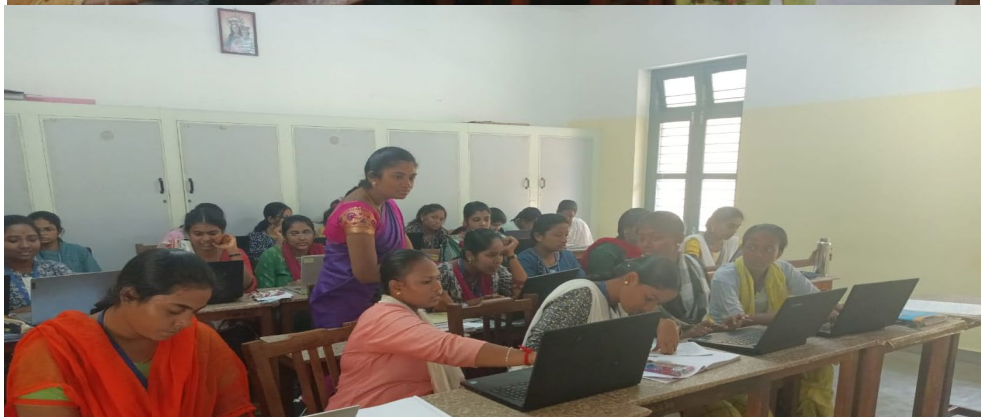
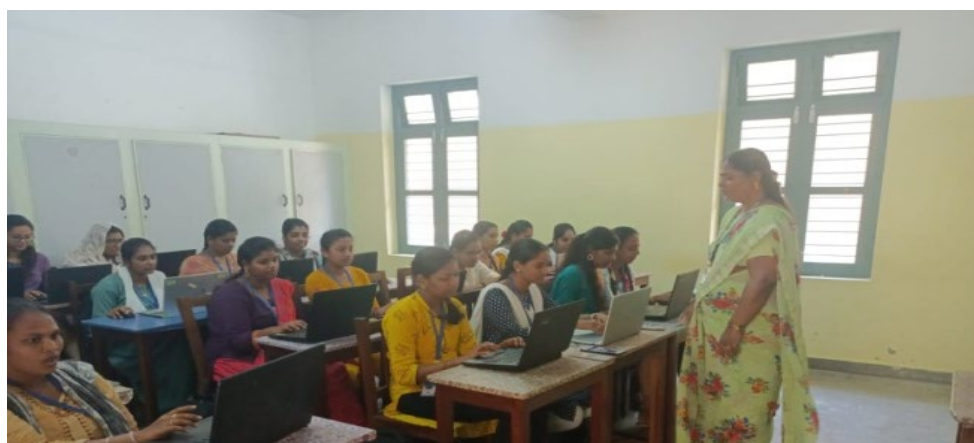
The **Poster Presentation Competition** on the topic “Mathematical Concepts on Environmental Sustainability”was organized by thePG and Research Department of Mathematics on **31.01.2024**. The student explained her concepts to the judge **Ms. Amalarathinam A.**, Asst. Prof., Department of Mathematics (Shift I).



A State-Level Workshop “Hands-on training on MATLAB (DST FIST funded)” was organized by the PG and Research Department of Mathematics in association with the Committee for Research Ethics, Publications & IPR on **12.02.2024**. The **Resource Persons** were **Dr. R. Jothilakshmi**, Assistant Professor & Head, PG and Research Dept. of Mathematics, Mazharul Uloom College, Ambur, and **Dr. K. Kalaivani**, Assistant Professor (Senior), Dept. of Mathematics, School of Advanced Sciences, VIT, Vellore. A total of **40 participants** from various colleges attended the Workshop.



The **Model Making Competition** on “Applied Mathematics” was organized by the PG and Research Department of Mathematics on **14.02.2024**. The student from M.Sc.Mathematics explained her model to the judge **Dr. A. Sabarmathi**, Asst. Prof., Department of Mathematics (Shift I).



The Value-Added Course (VAC) on “**Learning Open-Source Simulation Software – SCILAB**” was organized by the PG and Research Dept. of Mathematics, Auxilium College (Autonomous), Vellore, in association with Spoken Tutorial, IIT Bombay for the academic year **2023-2024**. The Course Instructors were **Dr. S. Yuvarani**, and **Ms. G. Aruna**, Assistant Professors, PG and Research Dept. of Mathematics.



Department of Mathematics, Don Bosco College (Co-Ed), Yelagiri Hills, Tirupattur Dist., organized the **International PI Day (Intercollegiate Math Fest)** on **14.03.2024**. Students of M.Sc. Mathematics, Auxilium College (A), Vellore, won the **Overall Championship**.

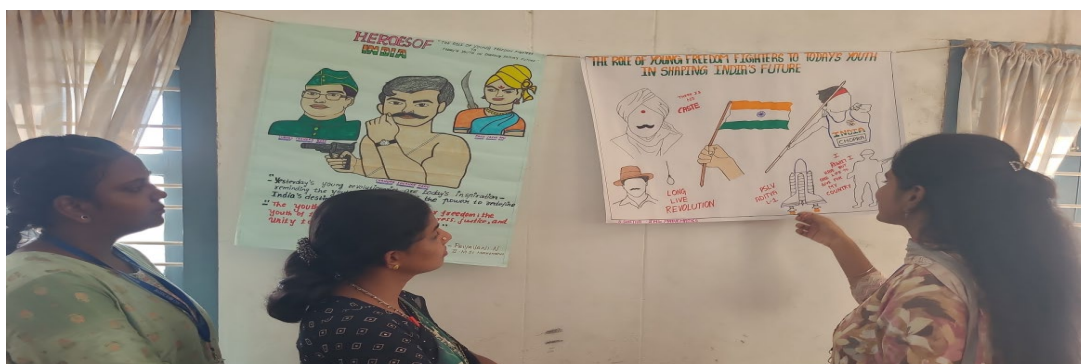


The students of M.Sc. Mathematics, Auxilium College (Autonomous), Vellore, visited **Bosco Soft Technologies Pvt. Ltd.**, Yelagiri Hills, Tirupattur District, for an **Industrial Visit** on **14.03.2024**. The expert, **Mr. Antony Selvan P.**, MBA, HR Manager, Bosco Soft Technologies Pvt. Ltd., explained the applications of Python.

ACADEMIC YEAR: 2024 – 2025



Student Orientation Programme on “**Navigating the Mathematical Landscape – Career Paths and Opportunities for Math Graduates and Pursuing Higher Studies**” was organized by PG & Research Department of Mathematics on **19.06.2024**. The Resource Person was **Dr. G. Gomathy**, Assistant Professor, Department of Science & Humanities, Chennai Institute of Technology, Chennai.



Essay Writing and Poster Presentation Competitions on “The Role of Young Freedom Fighters to Today’s Youth in Shaping India’s Future” was organized by PG & Research Department of Mathematics on **14.08.2024**. The student presented her work to the judge **Ms. Priyadharshini V.R.**, Asst. Prof., PG & Research Dept. of English.



National Level Workshop (Hands-on Training) on R Programming was organized by the PG and Research Department of Mathematics on **30.08.2024**. A total of **55 participants** from various colleges attended the Workshop. The resource persons were **Ms. V. Shakila**, Assistant Professor (SS), Dept. of Humanities and Sciences, Rajalakshmi Engineering College, Thandalam, Chennai, and **Ms. Kezline Dharshini Suresh**, Research Associate, Good Business Lab, Bangalore.



A student from M.Sc. Mathematics presented her paper in the **International Conference** on “Transformative Role in promoting Good Health & Well Being” organized by the Department of Business Administration, Auxilium College (A), Vellore, in collaboration with Hospital Management Studies, CMC, Vellore, on **19.09.2024**.



A student from M.Sc. Mathematics presented her paper in the **International Conference** on “Youth for Earth: Restore and Protect our Environment” organized by the Enviro Club, Auxilium College (A), Vellore, in collaboration with Tamil Nadu Pollution Control Board, Vellore, on **10.10.2024**.



The Value-Added Course (VAC) on **“Learning Open-Source Simulation Software – SCILAB** was organized by the PG and Research Dept. of Mathematics, Auxilium College (Autonomous), Vellore, in association with Spoken Tutorial, IIT Bombay for the academic year **2024-2025**. The Course Instructors were **Ms. P. Priya** and **Dr. S. Yuvarani**, Assistant Professors, PG and Research Dept. of Mathematics.

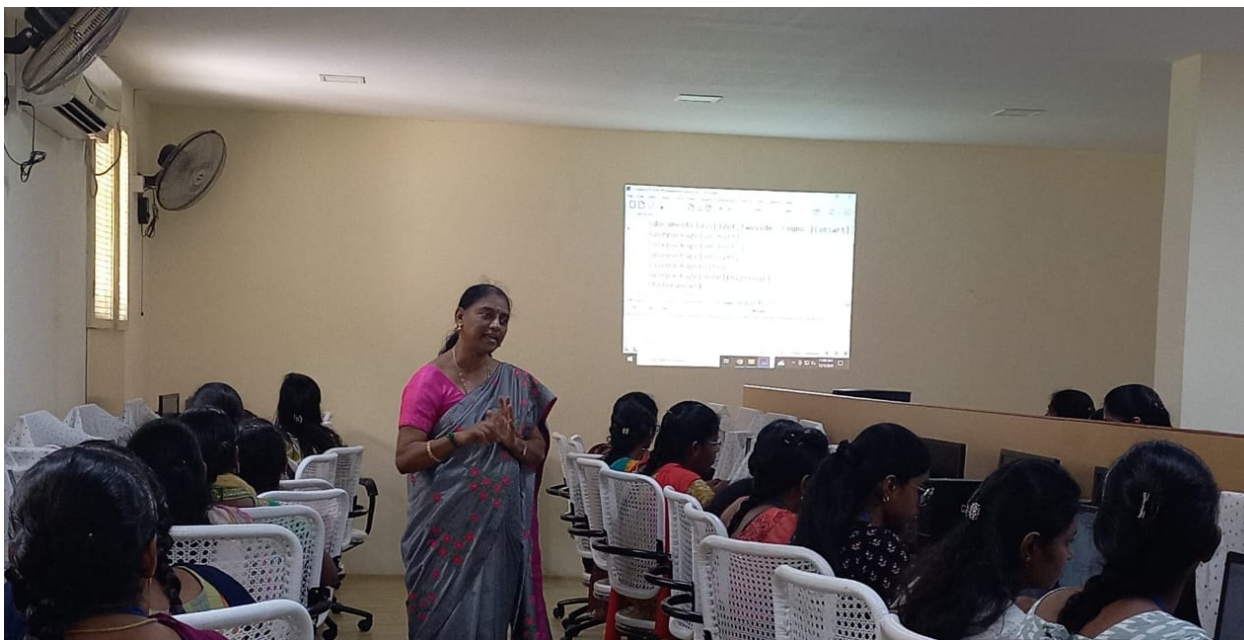


A **Poster Presentation Competition** on the topic “Importance of Mathematics in Digital Life” was organized by the PG and Research Department of Mathematics on **21.10.2024**. A student from M.Sc. Mathematics explained her presentation to the judge **Dr. A. Sabarmathi**, Asst. Prof., Department of Mathematics (Shift I).



The **PowerPoint Presentation Competition** on the topic “Role of Mathematics in Modern Technology” was organized by the PG and Research Department of Mathematics on **03.12.2024**. A student from M.Sc. Mathematics presented her concepts before the judge, **Ms.**

Kokila A., Assistant Professor, Department of Computer Applications (Shift I), and the audience.



Workshop on “LaTeX- A Document Preparation System” was organized by the PG and Research Department of Mathematics on **05.12.2024**. The resource person was **Dr. R. Jothilakshmi**, Assistant Professor, Department of Mathematics, Mazharul Uloom College (Autonomous), Ambur. Participants had a hands-on training session to prepare the document using the LaTeX software.



A Hands-on training program on **“Advanced AI Techniques for Efficient Research Writing”** was organized by the PG and Research Department of Mathematics on

20.12.2024. The Resource Person was **Ms. G. Aruna**, Asst. Prof., PG and Research Dept. of Mathematics.



“**National Mathematics Day (NMD)**” was organized by the PG and Research Department of Mathematics, Auxilium College (Autonomous), Vellore, in association with the **National Council for Science and Technology Communication, Department of Science and Technology, Government of India**, and the **Tamil Nadu State Council for Science and**

Technology, Government of Tamil Nadu, on 04.01.2025. The Chief Guest was Dr. Pathinathan T., Retired Professor, Dept. of Mathematics, Loyola College, Chennai. A total of 743 school students, 207 college students, and 51 faculty members registered for NMD 2024.



The Science Festival 2025 was organized by Thiruvalluvar University, Vellore, from 21.01.2025 to 24.01.2025. Students from M.Sc. Mathematics explained their science models to the Chief Guest.

Auxilium College, Vellore.

PG & Research Dept. of Mathematics



28-01-2025

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A State Level Workshop (Hands-on Training) on “GeoGebra – A Tool for Mathematical Visualization and Problem Solving” was organized by the PG and Research Department of Mathematics in association with the Auxilium Innovation and Incubation Center (AIIC) on **28.01.2025**. The resource person was **Mr. Elisha S.**, Headmaster, Panchayat Union Middle School, Pernambut, Vellore. A total of **61 participants** from various colleges attended the workshop.



The Department of Mathematics (Shift I & II) inaugurated the Domain club namely “**Aptitude Achievers Club**” on **29.01.2025**. The resource persons of the programme were Ms. Vinola Nallusamy, B.E., Reasoning and Aptitude Trainer, Veranda Race, Vellore Branch and Mr. Immanuel Sathydoss, B.Sc., Branch Manager, Veranda Race, Vellore Branch.





The PG and Research Department of Mathematics, Auxilium College (Autonomous), Vellore, organized an **educational tour** to the **APJ Abdul Kalam Science Centre and Planetarium, Puducherry**, on **31.01.2025**.



The students of II M.Sc. Mathematics, Auxilium College (Autonomous), Vellore, visited **Bosco Soft Technologies Pvt. Ltd., Yelagiri Hills, Tirupattur District**, for an **industrial visit** on **13.02.2025**. The expert, **Mr. Antony Selvan P., MBA, HR Manager**, Bosco Soft Technologies Pvt. Ltd., explained the various training programs offered by the company.



The PG Departments of Mathematics, Biochemistry, Microbiology and Computer Science presented the value presentation through skit on the theme **“Responsibility”** on **17.02.2025**.



The student – centric activity on **“Career Opportunities in JAVA Programming”** was organized by the PG and Research Department of Mathematics on **24.02.2025**. The

Resource person was **Dr. Lavanya S.**, Asst. Prof., Dept. of Computer Applications and Computer Science.



The student – centric activity: **“Workshop on MATLAB (DST FIST Funded) (Hands-on Training)”** - Experiential Learning was organized by the PG and Research Department of Mathematics on **25.2.2025**. The resource person was **Dr. Yamuna M.**, Professor Grade 1, Department of Mathematics, School of Advanced Sciences, VIT, Vellore.



Ms. Priya P., Assistant Professor, PG and Research Department of Mathematics, defended her thesis on the topic, “Fractal Fractional Order Eco-Epidemic Model: A View of Soil Pollution” under the guidance of **Dr. Sabarmathi A.**, on **26.2.2025**.

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Women's Day



08-03-2025

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The student-centric programme on “**Empowering Women through Women’s Rights**” was organized by the PG Departments of Mathematics, Computer Science, Biochemistry & Microbiology on **08.03.2025**. The resource Person was **Dr. S. Meenakshi S.**, Associate Professor, Department of English, School of Social Sciences and Languages, VIT, Vellore.



A student from M.Sc. Mathematics presented her paper at the “**One-Day National Conference on Mathematical Analysis and Applications (NCMAA 2025)**” jointly organized by the PG and

Research Department of Mathematics, Voorhees College, Vellore, and Sacred Heart College, Tirupattur, on **21.03.2025**.



Workshop on “**Entrepreneurship Awareness Programme - MSME Schemes: 2024-2025 (Business Model Canvas (BMC))**” was organized by the PG and Research Department of Mathematics, in association with the Auxilium Innovation and Incubation Centre (AIIC) on **27.03.2025**.