



M.O.P. Vaishnav College for Women (Autonomous)
(College Affiliated to University of Madras & Re-accredited at "A++" grade by NAAC)
Chennai - 600 034



B.Sc.MATHEMATICS

(3 year UG Programme)

Mathematics - The Root & Route to Success



ABOUT THE PROGRAMME

Established in 1992 alongside M.O.P. Vaishnav College for Women, the B.Sc. Mathematics programme has built a legacy of excellence, fostering analytical, logical, and problem-solving skills. With a strong foundation in pure and applied mathematics, rigorous coursework, research opportunities, computational tools and expert faculty, with their practical applications in fields such as computer science, finance, and actuarial science, make significant contributions to both academia as well as industry, highlighting the programme's versatility and depth.



- To impart comprehensive conceptual understanding and foster practical abilities.
- To inculcate research and journalistic skills.
- To grasp mathematical concepts and strategies quickly, with good retention, and to relate mathematical concepts within and across domain areas and in real-life situations.
- To display mathematical thinking and have a keen awareness on the usage of quantitative information in the world around them.
- To develop critical thinking pedagogy in mathematics and constructivist teaching strategies.
- To create a self-sustained and empowered women.

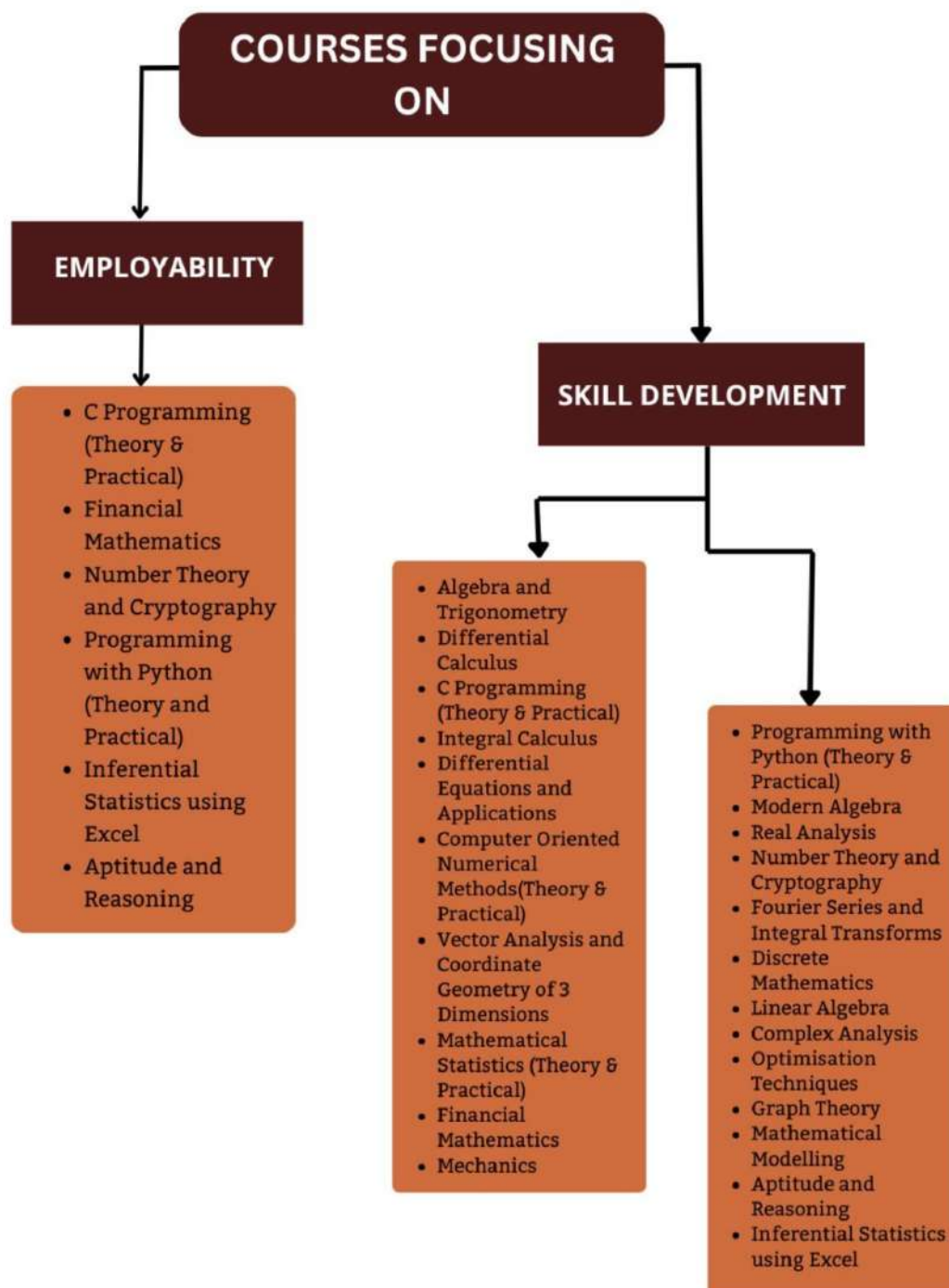
ELIGIBILITY CRITERIA

Pass in Class X & XII or equivalent from any board with Mathematics/ Business mathematics/ Applied mathematics can apply for the programme.

USP

Our curriculum provides a strong foundation in mathematics and integrates domain-specific knowledge with computational techniques, essential for pursuing higher studies and research.

COURSES OFFERED BY THE PROGRAMME



INFRASTRUCTURE OF THE PROGRAMME

- Every Classroom is a smart classroom with Smart Board, modular furniture, radio ,television connectivity and is Wi-fi enabled
- The department has conducive atmosphere comprising of fully equipped computer labs,fully automated library, a digital resource center and a language lab.



$\pi - \beta$ CLUB

The π - β Club is a platform to scout the inherent talents of students and provides them with an opportunity to develop their latent skills in co-curricular activities. To enhance logical and heuristic skills, Intramural and Intercollegiate competitions with several thought provoking activities are conducted. Students participate in various intercollegiate competitions and bring back laurels.

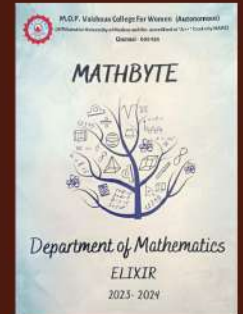
ACTIVITIES OF THE PROGRAMME

National Mathematics Day is celebrated on 22nd December every year , as an Inter Collegiate event.

CALISTHENICS TYPE	NO. OF EVENTS CONDUCTED
INTERNATIONAL SEMINARS	1
NATIONAL SEMINARS	15
FACULTY DEVELOPMENT PROGRAMME	2
WORKSHOPS	26
GUEST LECTURES	30
MODEL EXPO (EXHIBITIONS)	5
STUDENT JOURNAL ON SPECIFIC THEME	17

Overall Trophies Won- **16**
 Number of Prizes Won- **237**
 International Olympiad- **1**

STUDENT ACHIEVEMENTS IN CO-CURRICULAR ACTIVITIES



FACULTY DEVELOPMENT PROGRAMME



INTERNATIONAL SEMINAR



COMMUNITY SERVICE



PROMINENT
ALUMNI

"A Mathematics graduate from M.O.P. emerges as a versatile and empowered individual, equipped with intellectual rigor, compassion, and the ability to excel across diverse professional domains."

Ms. Sripriya Venkatraman
Director, HCL Technologies
Sholinganallur Chennai

Ms. Srividhya V
National basketball player
Southern Railways

Ms. Amelia Betsy
Assistant Director, Ministry of
Health and Family Welfare,
Government of India, New Delhi.

Ms. Ramya Radhakrishnan
Business Analyst, Syntel, USA

Ms. Ankitha Davey
Assistant Manager,
Bank of New York, Mellon

Ms. Swetha S
Senior Associate, Hey Math, The
Hindu, Chennai

Ms. Shrija Chaveli
ERM Operations Manager, Chubb
Insurance,
London

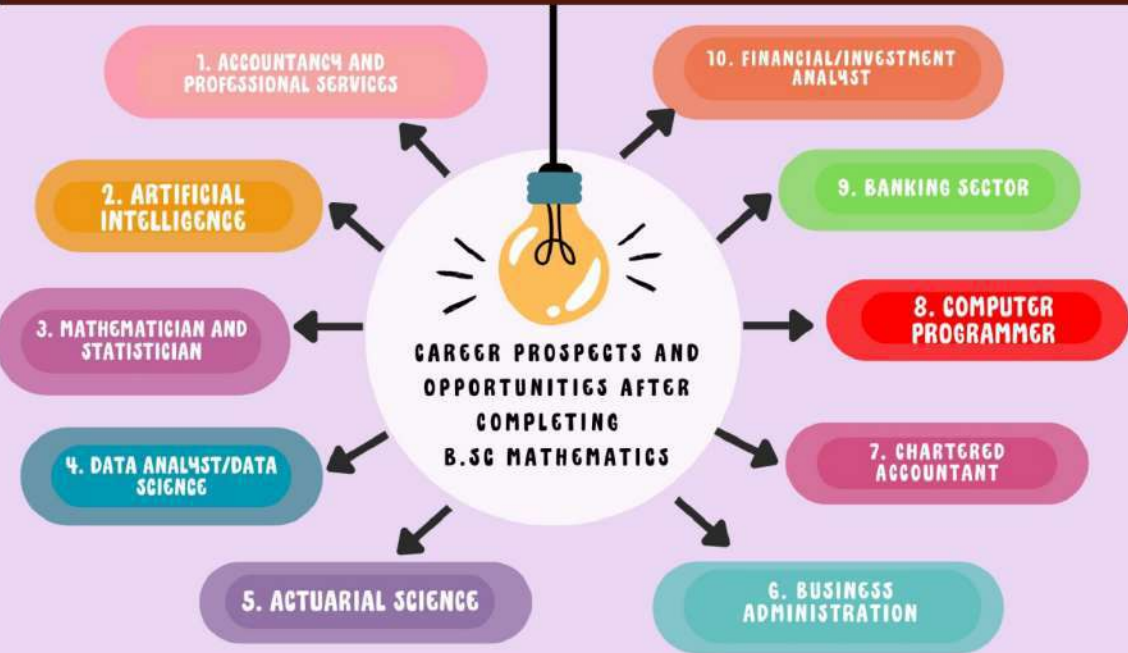
Dr. Poorna Pushkala
Postdoctoral Fellow, International
Centre for Theoretical Sciences,
Bengaluru

Ms. Nithya S
Judicial Magistrate, Fast track court,
Karur, Tamil Nadu

PROMINENT
PLACEMENTS



MATHEMATICS:
PATHWAYS TO
SUCCESS



ALUMNI SPEAKS

Ms. Anitha Manikandan (Batch 2008-2011)

Engineering Manager at Omio, Berlin, Germany

Studying at M.O.P. Vaishnav College gave me the opportunity to explore diverse mathematical concepts. I particularly enjoyed tackling integrals and algebraic problems. I also actively participated in mathematics quiz competitions, winning several prizes. Additionally, taking one computer science paper each year helped me integrate programming with mathematical problem-solving.



Dr. Swathi N R (Batch 2011-2014)

Senior AI Scientist, Verizon

My Journey from M.O.P Vaishnav to a Senior Data Scientist

My time at M.O.P. Vaishnav laid a strong foundation for my academic and professional journey. The nurturing environment provided by our esteemed faculty encouraged critical thinking, problem-solving, and a relentless pursuit of knowledge. These skills have been invaluable as I moved forward in my career. A special mention to my loving teachers whose guidance and support were pivotal in shaping my journey.

Ms. Amelia Betsy (Batch 2012-2015)

Assistant Director, Ministry of Health and Family Welfare, Government of India, New Delhi.

The studies were not just for career; they were about life where career was a part of it. I learnt a lot with in 3 years at M.O.P., a great learning experience. I came face to face with a lot of good things. And now that I'm out, I miss M.O.P. the most. It's a family that I've left.



Ms. Anitha Valliappan (Batch 2018-2021)

Pursuing Integrated Ph.D at IISER, Trivandrum

The course offered at M.O.P. provided a diverse range of subjects in pure and applied mathematics, which has been instrumental in paving various career paths for me. Subjects like Discrete Mathematics, Functional Mathematics, and Optimization Techniques were particularly beneficial as they covered a significant portion of competitive exams such as JAM. The strong foundation laid during my BSc has proven invaluable in my current pursuit of an integrated PhD in Mathematics.

Ms. Varsha V (Batch 2019-2022)

Pursuing Integrated Ph.D at IISER, Bhopal

Courses like Differential Equations, Integral Calculus, Number Theory, Modern Algebra, and Linear Algebra are core at M.O.P. They cover essential topics for undergraduates and greatly aided my entrance exam preparation. The supportive teachers in the mathematics department encourage career-building activities. The department's club fosters creativity through organizing mathematical events, offering a fun and educational platform for students.



FACULTY PROFILE



Ms. Ramani. B

Assistant Professor & Head

Teaching Experience: 22 years

Area of specialisation: Chemical Graph Theory

Ms. Loganayaki T K

Assistant Professor

Teaching Experience: 19 years

Area of specialisation: Stochastic Process



Dr. Jamuna Chezhian R

Assistant Professor

Teaching Experience: 20 years

Area of specialisation: Stability of Functional and Differential Equations

Ms. Renuga E

Assistant Professor

Teaching Experience: 15 years

Area of specialisation: Fractional Calculus



Dr. B. Kamalapriya

Assistant Professor

Teaching Experience: 5 years

Area of specialisation: Fractional Differential Equations

FACULTY PROFILE



Dr. Bhuvaneswari D
Assistant Professor
Teaching Experience: 8 years
Area of specialisation: Graph Theory

Dr. Sridevi C.S.
Assistant Professor
Teaching Experience: 1 year
Area of specialisation: Stochastic Differential Equations



Ms. Kulandhai Therese A
Assistant Professor
Teaching Experience: 7 years
Area of specialisation: Topology

Contact Us:
Ph: +91 44 2833 0262 / +91 44 2833 0677, Extn: 218
E-mail: mopvaishnav@mopvc.edu.in
Website: www.mopvc.edu.in