



M.O.P. Vaishnav College for Women (Autonomous)

Chennai - 600034.

(College affiliated to University of Madras and Re-accredited at 'A++' Grade by NAAC)

Department of Information Technology

M.Sc. Information Technology Brochure

About the Programme

M.Sc. Information Technology was started in the year 2003 to provide a post-graduate education that prepares students to enter the profession with enriched knowledge and varied skill sets in the Information technology domain.

M.Sc. Information Technology is an intense practical oriented programme with the curriculum encompassing a wide range of topics that includes latest technological advances. Postgraduate students have to undergo Internship for a minimum period of six weeks to gain necessary exposure to the corporate and a Mini Project to develop their Application and Problem Solving skills. The students are exposed to “on-the-job” experience by undertaking a real-time Project in the industry as a major Project.

Best Practices

- Inculcating research practices amongst faculty and students through the conduct of international conferences and symposium.
- Periodic updation of curriculum in par with industry requirements.

- The inherent knowledge seeking nature of the students are highlighted through innovative events conducted by the Department club – ONLINE and Programme club – INFORMATICA.
- Willingness and interest of the alumni to share their industry and academic experiences, acts as a motivational factor for the students of the department and for the enrichment of the curriculum.

Eligibility for M.Sc. IT

Any UG Degree with Mathematics/ Statistics/Business Mathematics/ Business Statistics as Main or Allied subjects.

Programme Outcomes, Programme Specific Outcomes and Course Outcomes

For POs, PSOs and COs refer College Website:

<https://mopvc.edu.in/pos-psos-cos/>

Selection Procedure

Candidates need to take up an entrance exam which will test their logical thinking and analytical ability followed by a Personal Interview. The academic performance of the student is verified by processing their academic track record and also their achievements in intellectual pursuits like debates, quiz, and publication of articles.

CURRICULUM

Core Courses

- Distributed Operating Systems
- Advanced Database Management Systems
- Data Structure and Algorithms
- Python Programming
- Java Technologies
- Java Practical

- RDBMS Practical
- UML Practical
- Advanced Java Technologies
- Shell Programming
- Cryptography and Network Security
- J2EE Practical
- Ruby on Rails Programming
- Cloud Technologies
- C# and .NET
- Advanced Python for Machine Learning and Deep Learning
- User Interface Technologies
- Mini Project
- Major Project

Electives

- Object Oriented Systems Development
- Data Mining Using R
- Software Project Management and Quality Assurance
- Software Testing
- Optimization Techniques
- Hypertext Preprocessor- Practical
- MySQL - Practical

Infrastructure - Laboratories

The Department is well equipped with smart classrooms and an exclusive Audio Visual Computer Lab for the Postgraduate Students with well networked Pentium based Multimedia Systems. Students are provided hands on experience on all the latest programming languages in addition to the internet facilities through Wi-Fi enabled campus.

Academic Achievements

M.Sc. (Information Technology)

Batch	Pass Percentage
2020 - 2022	100
2019 – 2021	100
2018 – 2020	100
2017 – 2019	96
2016 – 2018	100

Prominent Department Activities

International Conferences

The International Conference on Communication, Computing and Information Technology (ICCCMIT) was organized to provide a platform for academia, research scholars, and professionals from industry as well as students to discuss, share and disseminate innovative and pioneering views on recent trends and technology developments.

The first conference was held on 21st and 22nd December, 2012 inaugurated by - Mr. Atul Anand, Managing Director, ELCOT. The second conference ICCCMIT 2014, was inaugurated by Mr. Lakshmi Narayanan, Vice Chairman, Cognizant Technology Solutions, on the 12th and 13th of December, 2014.

The third conference was organized in association with SCOPUS indexed International Journals – IJAI, JST, CIT, JCOMSS, and JICT on 3rd and 4th February 2017. The Fourth International Conference - ICCCMIT 2019 was organized as a part of Silver Jubilee Celebrations of the department on 15th and 16th February 2019. The fifth International Conference – ICCCMIT 2022 was organized as part of tricennial celebrations of the College on 24th and 25th February 2022.

Guest Lectures/Workshops Organized

M.Sc. Information Technology organises Induction Programmes and Career Orientation Workshops. Prominent Resource persons from various IT domains share their knowledge and expertise with the students.

Student Activities

Competition is the way of life in the IT industry- Starting from the entry into the IT industry right up to the appraisals. We train the students to face these challenges through the Programme Club “Informatica” & Department Club “Online” for the students, of the students and by the students.

- Towards this INFORMATICA conducts the competition “TECH VIKAS” – Intra Mural level
- Towards this ONLINE conducts the competition “OLAP” – Inter-Collegiate level

Computer Fair and Web-A-Thon

A Project Expo was organized to transform theory into practice. Students showcased their talents by presenting their projects and posters at the computer fair. Celebrating International Programmer's day, the department conducts Web-A-Thon competition for students across all other departments.

Journals

The Department compiles all the innovative technical ideas of students and brings out the Department Journal “*Computer Almanac*” every year. 28 volumes have been released. The Journal was launched in the year 1997, and it serves as catalyst for sparking creativity and innovations in students by allowing them to design the entire Journal.

Computer Almanac

Year	Journal Themes	Volume
2018-2019	IoT	XXIV
2019-2020	Deep Learning	XXV
2020-2021	Computer Vision and Wearable Technology	XXVI
2021-2022	Intelligent and Smart Spaces & Semantic Web	XXVII
2022-2023	Info World - Quantum Computing	XXVIII

Placement

The unique Curriculum, Communication and Presentation skills have made our students reach their dream positions in top IT companies.

Lead Recruiters

- HCL
- Cognizant Technology Solutions
- Virtusa
- Indian Express
- TCS
- Indium Software

Prominent Alumni

- Akshaya Sriram, (M.Sc IT, 2018-2020), Digital Content Associate, Amazon Development Centre (India) Private Limited.
- Ms. Rajalakshmi R, (M.Sc. IT, 2017-2019) QA Engineer, Virtusa Consulting Services
- Lokeshwari P, (M.Sc. IT, 2017-2019), Associate Data Engineering Analyst, Optum Insight India Private Limited.,
- Shalini Prabhakar, (M.Sc. IT 2016-2018), Associate-Projects, Cognizant Technology Solutions India Private Limited.

Pay offs after completing M.Sc. IT

After graduating the course, students can take up programs like

- M.S
- Ph.D.

M.Sc. IT graduates can secure the following positions in the IT industry

- Project Manager
- Programmer Analyst
- Web Designer
- System Associate
- Instructional Designer
- Software Engineer
- System Analyst
- Testing Analyst



Department of Information Technology

M.Sc. Information Technology

M.O.P. Vaishnav College for Women (Autonomous)

Chennai - 600 034, Tamil Nadu, India.

Ph : 044 - 28330507 Extn. 103

E-mail : mopmscitdept@gmail.com