

# M.O.P. VAISHNAV COLLEGE FOR WOMEN (AUTONOMOUS)

*(College Affiliated to University of Madras and Re-accredited at "A++" grade by NAAC)*

**Chennai - 600 034, India**



## M.Sc. INFORMATION TECHNOLOGY



## About the Programme

The 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 skillsets in the Information Technology domain.

The M.Sc. Information Technology programme is a 2-year program with 4 semesters that equips students with advanced knowledge and skills in IT. The programme covers topics such as Software Engineering, Data Analytics, Cyber Security and Artificial Intelligence. Students gain hands-on experience through projects and internships, preparing them for careers in IT Management, Software Development and Research.

## USP

Inculcate professional excellence, logical thinking & analytical reasoning abilities by imparting application oriented education.

## Eligibility

Undergraduate degree holders in Computer Science, B.C.A, B.Sc.(Mathematics) or any degree with Mathematics/Statistics/Business Mathematics/Business Statistics as Core or Allied course

## Selection procedure

Candidates need to take 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, quizzes, and publication of articles.



### **Courses Focussing on Employability**

- Distributed Operating System and Shell Programming
- Advanced Database Management System
- Advanced Java Programming
- Cryptography and Network Security
- Objected Oriented Software Engineering with UML
- Agile Project Management
- Cloud Technologies
- MongoDB
- Blazor

### **Courses Focussing on Skill Development**

- Data Structures and Algorithm
- Data Wrangling using Python
- Java Programming
- RDBMS Practical
- UML Practical
- Software Testing
- Optimization Techniques using Python

### **Courses Focussing on Entrepreneurship**

- Internet of Things
- User Interface Technologies
- Machine Learning
- Ruby on Rails Programming
- C# and .Net
- Deep Learning
- Hypertext Preprocessor and MySQL
- Data Visualization using Tableau and Power Business Intelligence

### **Hands on Experience/Industry Collaboration**

- Internship
  - Mini Project
  - Major Project
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# Prominent Department Activities



## Conferences & Seminars

Conferences bring together students, academics, and industry experts to discuss emerging trends in technology. They feature keynote speaker sessions and research presentations that provide hands-on experience.

## Computer Fair & Exhibition

An annual event is held, allowing students to showcase their practical knowledge through hands-on projects. This event, along with project expos, enables students to apply theoretical concepts to real-world applications.



## International Webinar

International webinar serves as a platform to gain valuable insights from international experts as they share knowledge on current trends and cutting-edge technologies. Students stay updated on the latest innovations shaping the future of the industry.

## Computer Almanac – Journal

The department fosters article writing skills among students by publishing a theme based journal, Computer Almanac. This journal serves as a medium for encouraging creativity and supports students in publishing research articles in international journals.



## Guest Lectures/ Workshops

Guest lectures/Workshops are organized on Latest advancements. Prominent resource persons from various IT domains share their knowledge and expertise with the students.

## Community Initiatives

"GYAAN" is a community service initiative where students visit schools to teach the fundamentals of computer science. Through this program, they help young learners grasp essential concepts. It fosters a sense of responsibility and knowledge sharing among students.





## Student Activities



### Programmers' day

The Department of Computer Science and Information Technology celebrated International Programmers' Day with a series of events aimed at fostering innovation and teamwork.



### LINK

An interdepartmental event where computer science students collaborate to host multiple competitions related to computer science.

### OLAP

An intercollegiate event that gathers computer science students from various colleges in and around the city, providing them a platform to showcase and develop their skills in IT and Analytics.



### Cyber Security Day

Department celebrates cyber security day with lineup of activities, including a competition, an informative session, a talk by an expert, and a panel discussion for the students



## Infrastructure



- Smart Classrooms
- Technology-Enhanced Learning Labs
- SMART TV

- Fully Automated Library
- Digital Resource Center
- Learning Management System



- Auditoriums and Seminar Halls
- Wi-Fi Enabled Campus
- Modern Cafeteria



## Higher Studies

- MS in Data Science
- MS in Computer Science
- MS in Wireless Communications
- MS in Embedded Systems
- Ph.D

## Career Opportunities

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

## Recruiters



## Prominent Alumni

S.NO	NAME	BATCH	COMPANY NAME
1	Nithyashree P	2021-2023	Wipro
2	Gayathri N	2020-2022	Accenture
3	Vaishali K	2020-2022	Dexian
4	Sindhu M	2019-2021	Amazon
5	Divya B	2019-2021	TCS
6	Sharmili V	2017-2019	Infosys
7	Priyadharshini P	2017-2019	Deloitte
8	Gajashree	2012-2014	CTS
9	Kavitha	2007-2009	TCS
10	Aparajita Sabesan	2003-2005	Deloitte



# Event Gallery



**Won Overall in  
Interdepartment  
Events**



**Workshop**



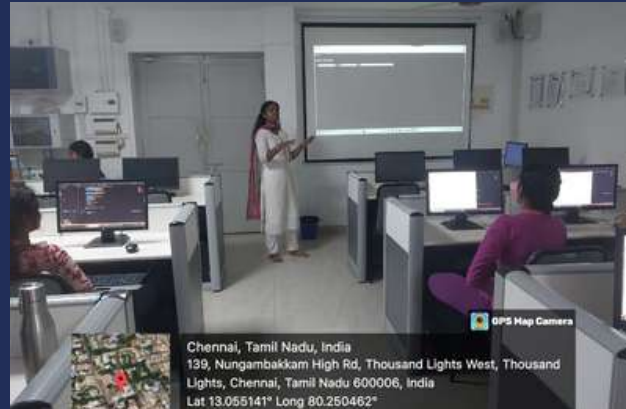
**Won Overall in  
Intercollegiate  
Event**



**Workshop on  
Virtual Reality**



**Won Prize in  
International  
Programmers Day**



**Workshop Conducted  
on Full Stack  
Development**



**Project Exhibition**



**Won Prize in  
Intercollegiate  
Event**

## Faculty Profile



**Ms. Gavoury R**  
Assistant Professor & Head

**TEACHING EXPERIENCE: 32 years**

**Area of Specialization:**

**Data Structure, Computer Networks, Object Oriented  
Programming Languages**



**Ms. Angayarkanni A**  
Assistant Professor

**TEACHING EXPERIENCE: 29 years**

**Area of Specialization:**

**Programming Languages, Data Structure and Algorithms,  
Operating Systems**



**Dr. Muthulakshmi A**  
Assistant Professor

**TEACHING EXPERIENCE: 27 years**

**Area of Specialization:**

**Computer Networks, Machine and Deep Learning, Digital  
Electronics**



**Dr. Priya Iyer K B**  
IQAC Coordinator & Associate Professor

**TEACHING EXPERIENCE: 21 years**

**Area of Specialization:**

**Machine Learning, Deep Learning, Location based Services**





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