USP of the Programme

- B.Sc. Data Science at M.O.P. Vaishnav College ensures industry-relevant training in the latest data science tools and technologies

- The Programme provides interdisciplinary approach combining elements of mathematics, computing, and real-world applications

- The Programme aims to provide training on the use of data and responsible data science practices

CORE COURSES

- BASICS OF DATA SCIENCE
- DATABASE MANAGEMENT SYSTEM USING MYSQL
- OBJECT ORIENTED PROGRAMMING WITH JAVA
- DATA STRUCTURES AND ANALYSIS OF ALGORITHMS
- OPERATING SYSTEMS AND SHELL PROGRAMMING
- MACHINE LEARNING
- ARTIFICIAL INTELLIGENCE AND EXPERT SYSTEMS
- BIG DATA ANALYTICS
- DATA COMMUNICATION & NETWORK SECURITY
- NATURAL LANGUAGE PROCESSING
- DEEP LEARNING
- FINANCIAL ANALYTICS

ALLIED COURSES

- PROBABILITY AND STATISTICS
- MATHEMATICS FOR DATA SCIENCE
- OPTIMIZATION TECHNIQUES
- TIME SERIES ANALYSIS AND FORECASTING

S/W TOOLS

- Python
- Tensor Flow
- R Studio
- Rapid Miner
- Keras
- Tableau
- MySQL
- MongoDB

ELECTIVE COURSES

- MARKETING ANALYTICS
- ANALYTICS FOR SERVICE INDUSTRY

Eligibility

- Students completed class XII from any stream with Mathematics / Business Mathematics
- Students studied Computer Science are preferable

Scope & Opportunities

- The B.Sc. Data Science programme helps students to enhance their proficiency in data science, gain wide spectrum of skills in data analysis, programming, statistical analysis & machine learning algorithms.

- The programme aims to produce Data Science graduates with highly relevant skillsets needed for creating and deploying ML models to support automated decision making.

Prominent Recruiters

Goldman Sachs

Deloitte.

Cognizant

tcs

TATA CONSULTANCY SERVICES

EY

HCL

STATE STREET

Infosys

accenture

M.O.P. VAISHNAV COLLEGE FOR WOMEN (AUTONOMOUS) CHENNAI, TAMILNADU, INDIA

B.Sc. DATA SCIENCE

(3 Year Undergraduate Programme)

COMPUTER FAIR

Computer fair is organized annually where students are given opportunities to showcase their practical Skills through Real Time Projects

SOCIAL INITIATIVE

Aligning with the mission goal of the college in grooming students as socially responsible leaders of the future, students are encouraged to carry out real-time community service activities for the needy and the underprivileged

PROGRAMME HIGHLIGHTS

FLAGSHIP EVENTS

- Entrepreneurial Summit
- Digital Detox Day Commemoration

Conferences , Seminars & Tech Events

Conferences and Seminars are organized on the latest evolving technologies. Inter-collegiate Event (OLAP) & Inter-departmental Event (LINK) are hosted every yeary for the overall growth.

Guest Lectures

Regular guest lectures are held to enable students in developing their knowledge, real-world understanding, and industrial practice in a more participatory manner.

Symposiums

The college inculcates research practices amongst the faculty and students as the speakers address the technological advances and booming ideas in the line.
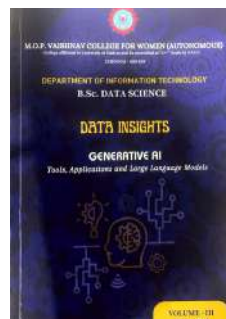

Workshops

Workshops are conducted to enrich skillsets.
- Game Development
- Data Visualizations
- Practical Applications of Machine Learning in Data Science

Journal - Data Insights

The Department inculcates the art of article writing skills amongst students by means of publishing the thematic department journal 'Data Insights'. The journal catalyzes creativity toward publishing research articles in international journals.

NOTABLE ALUMNI

Ms. Keerthi S
Business Data Analyst, Monolith Technologies Pvt. Ltd Chennai.

Ms. PVK Janani
Data Analyst, Goldman Sachs Bangalore.

Reflecting on my journey at M.O.P. Vaishnav College for Women, I am deeply grateful for the unwavering support of B.Sc. Data Science Department. Whether it was taking my first step in entrepreneurship, publishing my first research paper, or honing leadership skills, the Department nurtured a culture of curiosity, innovation, and growth, instilling confidence to push boundaries and explore new opportunities.

Ms. Kashish A Singhi
Founder,Canvas & Klicks

My time at M.O.P. Vaishnav College for Women while pursuing B.Sc. Data Science laid a strong foundation for my academic and professional journey. The Department's emphasis on practical applications and interdisciplinary learning played a key role in my decision of pursuing post graduation in Health Data Science at the University of Galway.

Ms. RAMYA SRI J C (M.Sc.)
University of Galway Ireland

TESTIMONIALS
ALUMNI FEEDBACK