



M.O.P. VAISHNAV COLLEGE FOR WOMEN
(AUTONOMOUS)
Chennai, Tamil Nadu, India
Department of Computer Science and Information Technology
B.C.A.
(3 year Undergraduate Programme)



PROGRAMME OVERVIEW

The Department of Computer Science and Information Technology offers a three-year undergraduate programme, the Bachelor of Computer Applications (B.C.A.), which was established at MOPVC in 1999. As we celebrate a legacy of more than 25 years of empowering women students, B.C.A. hones their expertise in programming, analytics, organization, and management skills. With a balanced focus on technical proficiency and essential soft skills, B.C.A. at MOPVC stands as a dynamic professional discipline, paving the way for diverse career opportunities.

UNIQUE SELLING PROPOSITION



B.C.A. at MOPVC nurtures well-rounded growth by combining technical knowledge with essential skills in communication, teamwork, and leadership.



The programme empowers women with the skills needed in emerging technologies, enabling them to build sustainable, global software solutions.



By blending technical acumen with soft skills, B.C.A. shapes versatile professionals ready to excel in the fast-paced IT industry.

ELIGIBILITY



XII grade students with Mathematics / Business Mathematics / Computer Science / Computer Application can apply for the programme.

COURSES FOCUSING ON SKILLS



- Python Programming
- Digital Principles and Computer Organization
- Data Structures using C
- Operating Systems with Unix
- Optimization Techniques Using Open Source Tool
- Programming in JAVA
- Data Communication & Networks
- Advanced JAVA Programming
- Mathematics for Computer Applications
- Statistics For Computer Applications
- XML & Its Applications

COURSES FOCUSING ON EMPLOYABILITY



- Database System Concepts
- Software Engineering with DevOps
- Data Mining
- Software Testing
- Business Intelligence
- Artificial Intelligence
- Machine Learning with TensorFlow
- High Performance Computing
- Fundamentals of Accounting with Tally

COURSES FOCUSING ON ENTREPRENEURSHIP



- PHP & MySQL
- Cyber Security
- Fundamentals of Cost & Management Accounting with Tally
- Web Programming



ICCCMIT

An International Conference on Communication, Computing and Information Technology (ICCCMIT has been organized in the years 2012, 2014, 2017, 2019, 2021 and 2024).

RESEARCH PAPER PUBLICATIONS

The students and faculty of B.C.A. published 50+ research papers in various journals including UGC listed and Scopus indexed journals.

PATENTS

The B.C.A. faculty, together with students, have published four patents that contribute to technological advancement and improve educational practices.

PROJECTS

Students display the selected best projects in the Chennai Trade Fair organized by the Government of Tamil Nadu every year.

INFRASTRUCTURE

The department features four well-equipped computer labs with the latest and updated software, including eclipse, tableau, machine learning and deep learning libraries, hadoop, mongoDB, cassandra, and more. It also offers smart classrooms and Wi-Fi connectivity.

STUDENT LED ACTIVITIES



JOURNAL

Publish a thematic journal "The Compiler".



OLAP

An intercollegiate event to explore and exhibit students talent in their interested domain of IT.



INTERNATIONAL PROGRAMMERS' DAY

Honor programmers and conduct events like Web-A-Thon and IoT Idea-thon.



INTERNATIONAL CYBER SECURITY DAY

Initiative to enhance the awareness of the cyber threats and safe usage of the cyber space.



COMPUTER FAIR

Students display real time projects for school and other college students.



ONLINE COURSES

Students take up certified online courses on key subjects through Swayam, NPTEL, etc.



SPORTS & EXTRA-CURRICULAR ACTIVITIES

The students of B.C.A. bring laurels and accolades by participating in various activities at international, national and regional level.



CO-CURRICULAR ACTIVITIES

The programme organizes periodic guest lectures, workshops, and seminars to enhance knowledge in trending topics.



EXTENSION ACTIVITIES

The students impart soft skills and basic computer skills to school students through VIKAS and GYAAN activities.



ALUMNI SPOTLIGHT



▶ "The B.C.A. curriculum at MOPVC aligns with IT industry needs, enabling me to publish research papers in national and international conferences. With staff support, I explored skills in Data Science, Cybersecurity, and IoT through projects, lectures, and internships, ultimately landing my dream job."

- Prriyadarshini MA Batch: 2016-19
DevSecOps Engineer
Autodesk, Bangalore

▶ "Doing B.C.A. in MOPVC gave me a lot of exposure to groom myself to face the rapid growth in IT & IT related industry. A course that gave me dual opportunities to explore the Banking Industry as well as the IT sector. With the amount of additional technical skill courses that MOPVC offers, will help all to uplift our skill sets."

- Sruthi R Batch: 2011-2014
Senior Analyst II, RBS India Private Services Limited, Chennai

INTERNSHIPS AND PLACEMENTS



(Prominent recruiters)



CAREERS IN INFORMATION TECHNOLOGY AND RELATED INDUSTRY

- Software Engineer
- Developer / Tester
- Data Scientist / Data Analyst
- UX / UI Designer
- Cyber Security Expert
- Financial Analyst / Operational Executives in Banks



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