

MAEER'S
MIT | Arts, Commerce
& Science College

Affiliated to Savitribai Phule Pune University

Accredited by NAAC with "A" Grade

MIT Arts, Commerce
& Science College

Academic Year

2024-25

B.Sc. (Computer Science)

About Us

MIT Arts, Commerce and Science College established by Prof. (Dr.) Vishwanath Karad in 2007 under the aegis of Maharashtra Academy of Engineering and Educational Research (MAEER) Pune, affiliated with Savitribai Phule Pune University and recognised by the Government of Maharashtra has emerged as a prominent institute emphasizing on quality education, research opportunities and exposure to advancing academic innovation and engaging students, staff, alumni, and other stakeholders to achieve its educational goals. Located in a peaceful and nurturing environment, the college is Equipped with top- notch infrastructure with latest technological advancements and excellent library facilities for seamless academic activities. Research and academic programmes are driven by our highly qualified and experienced faculty members who foster in-depth knowledge and practical skills through active learning, field visits, expert guidance, training programs, research support, and continuous assessment. We have the Training and Placement Cell who facilitates the process of campus placement, strives to help students in improving communication and employment- seeking skills and assist to explore the various job opportunities thus leading to best placements amongst educational institute in Pune.

Awards, Affiliations and Recognition:

- ❖ MIT ACSC College is Accredited by NAAC with a CGPA of 3.21 on a Four point scale at 'A' Grade.
- ❖ Affiliated to Savitribai Phule Pune University and recognised by the Government of Maharashtra.
- ❖ Our educational institution in Pune, Maharashtra, has received the Education Excellence Award for achieving outstanding placements amongst other regional institutions.
- ❖ We are proud to have received the Best College Award in Rural Area for two consecutive years (2015-16 & 2016-17) from Savitribai Phule Pune University. We recognise our commitment to providing quality education in underserved areas.
- ❖ Our efforts towards student development have been acknowledged with the University Level Best College Award for 2017-18 by Savitribai Phule Pune University, underscoring our dedication to nurturing well-rounded individuals.
- ❖ We are ranked among the top colleges in India by India Today MDRA Best Colleges Ranking for 2018, 2019, 2020, and 2022, attesting to our reputation for excellence in education.
- ❖ MITACSC has secured the 3rd position in the prestigious TOP 10 EMERGING COLLEGES 2022, recognizing colleges established in or after 2010 for outstanding performance. The college is proud of its accomplishments and advancements and is committed to owning its promising future.

MIT ACSC offers a wide range of Undergraduate and Postgraduate programs:

Undergraduate Programs

- ❖ B.Com. (Bachelor of Commerce)
- ❖ BBA (Bachelor of Business Administration)
- ❖ BBA (International Business)
- ❖ BBA (Computer Application)
- ❖ BCA (Science)
- ❖ B.Sc. (Animation)
- ❖ B.Sc. (Computer Science)
- ❖ B.Sc. (Cyber & Digital Science)
- ❖ B.Sc. (Information Technology)

Postgraduate Programs

- ❖ M.Sc. (Computer Science)
- ❖ M.Sc. (Computer Application)
- ❖ M.Sc. (Data Science)
- ❖ M.Sc. (Industrial Mathematics with Computer Application)

Ph.D.

- ❖ Ph.D. - Mathematics



B.Sc.

(Computer Science)

About the Course

The B. Sc. (Computer Science) degree program is meticulously designed to prepare students for careers that require them to solve problems using computer science and related technologies. Students who complete the program will have a solid understanding of the fundamental ideas, procedures, and power of the numerous mathematical concepts and tools, as well as the ability to apply them through modeling, solving, and interpretation. The program covers the fundamental aspects of computing sciences and to equip them with mathematical modeling abilities, problem solving skills, creative talent and power of communication necessary for various kinds of employment.

Programme Objective

- To create a sound academic base for advanced career in Computer Science
- To learn various tools involved in creating application software and methodology in automation.
- To give maximum exposure to various areas of computer science including latest developments in industry.
- To build the necessary skill sets and analytical abilities for developing computer based solutions for real life problems.

Eligibility



- Higher Secondary School Certificate (10+2) from Science stream with Mathematics or its equivalent examination **OR**
- Three years Diploma course after S.S.C (10th Standard) of Board of Technical Education conducted by Govt. of Maharashtra or its equivalent.

How to Apply?



An eligible student has to apply through the college application form for the entrance examination conducted by college. Admissions will be offered to the students on the basis of their Entrance Exam score.



Program Structure

B.Sc. (Computer Science)

SEMESTER I

Code	Course Title
CS - 111	Problem solving using Computer and C Programming.
CS - 112	Database Management System
CS - 113	Practical course based on 111 and 112
STC - 111	Descriptive Statistics – I
STC - 112	Mathematical Statistics – II
STC - 113	Statistics Practical
ELC - 101	Semiconductor Devices & Basic Electronic System
ELC - 102	Principles of Digital Electronics
ELC - 103	Electronics Practical
MTC - 111	Matrix Algebra
MTC - 112	Discrete Mathematics
MTC - 113	Mathematics Practical

SEMESTER II

Code	Course Title
CS - 121	Advanced C Programming
CS - 122	Relational Database Management System
CS - 123	Practical course based on CS 201 and CS 202
STC - 121	Method of Applied Statistics
STC - 122	Continuous Probability Dist. & Testing of Hypo
STC - 123	Statistic Practical
ELC - 111	Instrumentation System
ELC - 112	Basics of Computer Organization
ELC - 113	Electronics Practical
MTC - 121	Linear Algebra
MTC - 122	Graph Theory
MTC - 123	Mathematics Practical

SEMESTER III

Code	Course Title
CS - 231	Data Structure and Algorithms - I
CS - 232	Software Engineering
CS - 233	Practical Course Based on CS 231
MTC - 231	Groups and Coding Theory
MTC - 232	Numerical Techniques
MTC - 233	Mathematics Practical: Python Programming Language-I
ELC - 211	Microcontroller Architecture & Programming
ELC - 212	Digital Communication and Networking
ELC - 213	Electronics Practical
EVS	Environmental Science - I
ENG	Language Communication - I

SEMESTER IV

Code	Course Title
CS - 241	Data Structure and Algorithms – II
CS - 242	Computer Networks – I
CS - 243	Practical Course Based on CS 241
MTC - 241	Computational Geometry
MTC - 242	Operations Research
MTC - 243	Mathematics Practical: Python Programming Language-II
ELC - 241	Embedded System Design
ELC - 242	Wireless Communication and Internet of Things
ELC - 243	Electronics Practical
EVS	Environmental Science – II
ENG	Language Communication – II

SEMESTER V

Code	Course Title
CS - 351	Operating System – I
CS - 311	Computer Networks – II
CS - 357	Practical Based on CS – 351
CS - 353	Web Technologies – I
CS - 354	Foundation of Data Science
CS - 358	Practical Based on CS -353
CS - 355	Object Oriented Programming –I (Core Java)
CS - 356	Theoretical Computer Science
CS - 359	Practical Course Based on CS – 355
CS - 3510	Python Programming
CS - 3511	Blockchain Technology

SEMESTER VI

Code	Course Title
CS - 361	Operating System – II
CS - 361	Software Testing
CS - 362	Practical based on CS 361
CS - 363	Web Technologies - II
CS - 364	Data Analytics
CS - 368	Practical Based on CS- 363 and 364
CS - 365	Object Oriented Programming - II (Adv. Java)
CS - 366	Compiler Construction
CS - 369	Practical Course Based on CS - 365
CS - 3610	Software Testing Tools
CS - 3611	Project

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**Piramal
Finance**

College Campus



Computer Lab



Class Room



Canteen



Play Ground



Computer Lab



Indoor Sports



Class Room



Computer Lab



Library



Garden



Class Room



Play Ground



Electronics Lab



Laboratory



Laboratory



Class Room



Indoor Sports

Connect Us:



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