MIT | Arts, Commerce & Science College

An Autonomous College Affiliated to Savitribai Phule Pune University
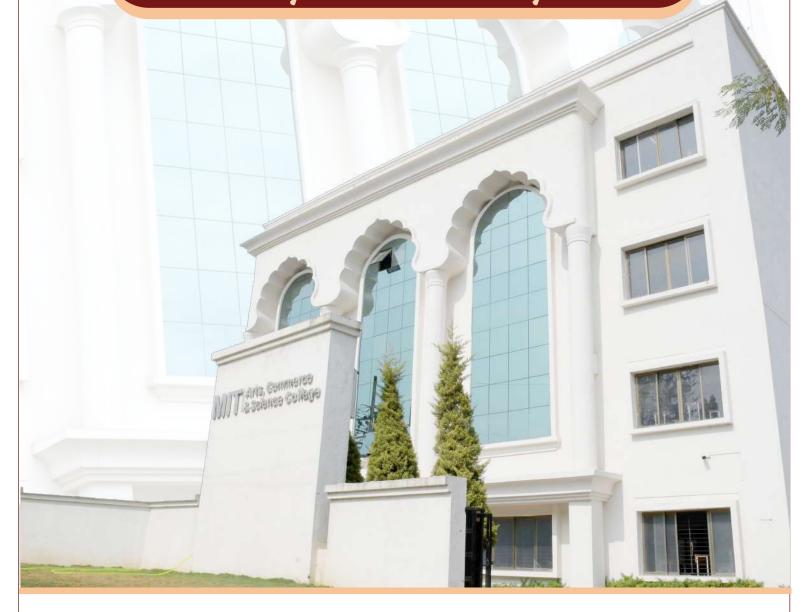**Accredited by NAAC with "A" Grade**

Masters of Science
Cyber Security

ACADEMIC YEAR 2025 - 26

Excellence in Education

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. (Artificial Intelligence & Machine Learning)

❖ B.Sc. (Animation)
❖ B.Sc. (Computer Science)
❖ B.Sc. (Cyber & Digital Science)
❖ B.Sc. (Information Technology)
❖ B.Sc. (Data Science)
❖ B.Sc. (Industrial Mathematics with Computer Application)

-------------------------------------- **Postgraduate Programs** --------------------------------------

❖ M.Sc. (Computer Science)
❖ M.Sc. (Data Science)
❖ M.Sc. (Cyber & Digital Science)

❖ M.Sc. (Computer Application)
❖ M.Sc. (Information Technology)
❖ M.Sc. (Industrial Mathematics with Computer Application)

-------------------------------------- **Ph.D.** --------------------------------------

❖ Ph.D. - Mathematics

M.Sc. Cyber Security

The Master of Science in Cyber Security (M.Sc.C.S.) program is designed to provide advanced education and training in the field of cyber security. This comprehensive program aims to equip students with a profound understanding of theoretical concepts, practical skills, and cutting- edge technologies relevant to the rapidly evolving world of computing. With a strong emphasis on academic excellence and research-driven learning, the M.Sc. Cyber Security program seeks to nurture a community of skilled cyber security professionals capable of addressing complex challenges across various industries. By fostering a stimulating and innovative learning environment, we strive to empower our students to become leaders, innovators, and agents of positive change in the field of computer science.

-------- Program Objective --------

- **Developing advanced knowledge and skills:** M.Sc.Cyber Security programs aim to provide students with advanced knowledge and skills in areas such as computer networks, database management, programming, cybersecurity, cloud security, and more.
- **Preparing for leadership roles:** M.Sc. (C.S.) programs often prepare students for leadership roles in the IT industry by providing them with the knowledge, skills, & confidence to lead teams and make strategic decisions.
- **Promoting innovation:** M.Sc. (C.S.) programs encourage students to think creatively and innovatively by exposing them to cutting-edge technologies and research.
- **Enhancing career prospects:** M.Sc. (C.S.) programs are designed to enhance students' career prospects by providing them with specialized knowledge and skills that are in high demand in the IT industry.
- **Encouraging lifelong learning:** M.Sc. (C.S.) programs promote a culture of lifelong learning by providing students with the tools & resources they need to stay up-to-date with the latest advancements in the IT industry.

Eligibility

B.Sc. (Cyber and Digital Science) OR B.Sc. (Cyber Security) OR Bachelor of Computer Science (B.C.S.) OR B.Sc. (Computer Science) OR B.C.A. (Science) OR B.Sc. (Information Technology) OR B.Sc. (Cloud Computing) OR Bachelor of Engineering (BE) in Computer Science/Information Technology/Electronics and Telecommunication/AI and Data Science/AI and Machine Learning/ equivalent OR

i)   B.Voc. in Software Development/ Information Technology OR
j)   B.Sc. with Computer Science as Principal Subject OR
k)   General B.Sc. with Computer Science as one of the subjects at TYBSc level OR Graduate degree from a recognized university / institution with an equivalent qualification.

-------- How to Apply ? --------

An eligible candidate has to apply directly to the college through the college admission application form. Visit the college website https://apply.mitacsc.ac.in to apply online.

-------- Program Structure --------

Subject Code	Course Type	Course Name	TH	P	CCE	EE	Total	TH	P	Total
M.Sc. (Cyber Security) | SEMESTER I			Teaching Scheme Hrs/Week		Examination Scheme and Marks			Credits		
P24/CS1MCT1	Major Core	Mobile Applications & Services	5	-	40	60	100	4	-	4
P24/CS1MCT2		Intrusion Detection & Prevention System	5	-	40	60	100	4	-	4
P24/CS1MCT3		Digital Image Processing	3	-	20	30	50	2	-	2
P24/CS1MCP1		Lab course on Mobile Applications & Services	-	4	20	30	50	-	2	2
P24/CS1MCP2		Lab course on Intrusion Detection & Prevention System	-	4	20	30	50	-	2	2
P24/CS1META	Major Elective	Wireless Security	3	-	20	30	50	2	-	2
P24/CS1MEPA		Lab course on Wireless Security	-	4	20	30	50	-	2	2
OR		OR								
P24/CS1METB		Digital Payments & Security	3	-	20	30	50	2	-	2
P24/CS1MEPB		Lab course on Digital Payments & Security	-	4	20	30	50	-	2	2
P24/CS1MNT1	RM	Research Methodology	4	-	40	60	100	4	-	4
Total			**20**	**12**	**220**	**330**	**550**	**16**	**6**	**22**

Subject Code	Course Type	Course Name	TH	P	CCE	EE	Total	TH	P	Total
M.Sc. (Cyber Security) | SEMESTER II			Teaching Scheme Hrs/Week		Examination Scheme and Marks			Credits		
P24/CS2MCT1	Major Core	Malware Analysis	5	-	40	60	100	4	-	4
P24/CS2MCT2		Incident Handling	5	-	40	60	100	4	-	4
P24/CS2MCT3		Cyber Security Architecture	3	-	20	30	50	2	-	2
P24/CS2MCP1		Lab on Malware Analysis	-	4	20	30	50	-	2	2
P24/CS2MCP2		Lab course on Incident Handling	-	4	20	30	50	-	2	2
P24/CS2META	Major Elective	Fundamentals of DevSecOps	3	-	20	30	50	2	-	2
P24/CS2MEPA		Lab course on Fundamentals of DevSecOps	-	4	20	30	50	-	2	2
OR		OR								
P24/CS2METB		Tools & Technology for Cyber Security	3	-	20	30	50	2	-	2
P24/CS2MEPB		Lab on Tools & Technology for Cyber Security	-	4	20	30	50	-	2	2
P24/CSS2OJTP	OJT	On Job Training	4	2	40	60	100	-	4	4
Total			**20**	**18**	**220**	**330**	**550**	**12**	**10**	**22**

			M.Sc. (Cyber Security) | SEMESTER III								
Subject Code	**Course Type**	**Course Name**	**Teaching Scheme Hrs/Week**		**Examination Scheme and Marks**			**Credits**		
			TH	P	CCE	EE	Total	TH	P	Total
P24/CS3MCT1	Major Core	Penetration Testing	5	-	40	60	100	4	-	4
P24/CS3MCT2		Virtualization & Forensics	5	-	40	60	100	4	-	2
P24/CS3MCT3		Security Audit	3	-	20	30	50	2	-	2
P24/CS3MCP1		Lab on Penetration Testing	-	4	20	30	50	-	2	2
P24/CS3MCP2		Lab course on Virtualization & Forensics	-	4	20	30	50	-	2	2
P24/CS3META	Major Elective	Mobile Forensic	3	-	20	30	50	2	-	2
P24/CS3MEPB		Lab course on Mobile Forensic	-	4	20	30	50	-	2	2
OR		OR								
P24/CS3METB		Advanced DevSecOps	3	-	20	30	50	2	-	2
P24/CS3MEPB		Lab course on Advanced DevSecOps	-	4	20	30	50	-	2	2
P24/CS3PR	Research-Project	Research Project	-	2	40	60	100	-	4	4
Total			**16**	**14**	**220**	**330**	**550**	**12**	**10**	**22**

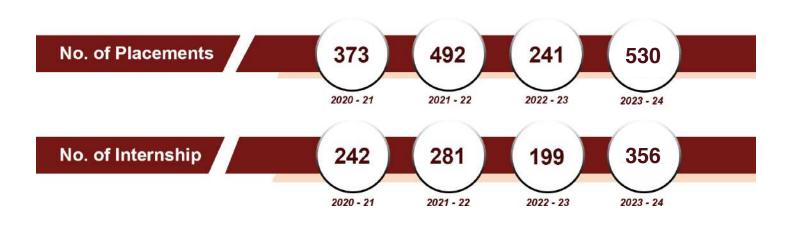|			M.Sc. (Cyber Security) | SEMESTER IV								
Subject Code	**Course Type**	**Course Name**	**Teaching Scheme Hrs/Week**		**Examination Scheme and Marks**			**Credits**		
			TH	P	CCE	EE	Total	TH	P	Total
P24/CS4MCP1	Major Core	Full Time Industrial Training	5	12	120	180	300	-	12	12
P24/CS4MET1	Major Elective	Online Course / MOOC	5	-	40	60	100	4	-	-
P24/CS4RP	ResearchProject	Research Project	3	6	60	90	150	-	6	6
Total			**13**	**18**	**220**	**330**	**550**	**4**	**18**	**18**

Departmental Activities

- Scifari-Flagship Event

- Vocational skill development sessions

- Expert Guidance Sessions

- Study Visits

- Add on courses

- Student centric evaluation system

- Student mentoring

- Workshops, Seminars, Guest interviews, Special shoot

- Awareness of Human Rights

- Professional Consultation Programs

- Connect with Parents

- Celebration of Special days

- College Level News Bulletin

- Club activities and competitions

- Research publication by students along with teacher

Training & Placement

- ✓ 100 % Assistance for Placements & Internships
- ✓ Campus Recruitment Training - Soft Skills & Aptitude
- ✓ Corporate Outreach Activities
- ✓ Industry Expert Talks
- ✓ Dedicated Software Implimentation for Internships & Placements

No. of Placements	373	492	241	530
	2020 - 21	2021 - 22	2022 - 23	2023 - 24

No. of Internship	242	281	199	356
	2020 - 21	2021 - 22	2022 - 23	2023 - 24

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MIT ACSC CAMPUS

Class Room

Digital Library

Indoor Sports

Library

Library

Class Room

Computer Lab

Canteen

Cultural Room

Class Room

Electronic Lab

AV Studio

Canteen

Outdoor Sports

Garden Area

A College Should be a Place of Light, of Liberty and of Learning

Connect with Us !

MIT | Arts, Commerce & Science College

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www.mitacsc.ac.in