MIT | Arts, Commerce & Science College

An Autonomous College Affiliated to Savitribai Phule Pune University

Accredited by NAAC with "A" Grade

B.Sc. Computer Science

A.Y. 2026-27

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)
- ❖ 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)

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

B.Sc. Computer Science

-------- About the Course --------

A computer science degree offers a wide range of specializations that open the door to numerous career options The B.Sc. in Computer Science course provides students with a solid foundational understanding of the concepts behind data innovation, software engineering, and other related fields. The B.Sc. in Computer Science degree equips students to research topics in the technological and innovative fields. Strong foundations in computer science ideas and their applications in numerous fields are provided through the course programme. Students can pursue a career in computer science, software design, working frameworks, communications, and computational systems.

-------- Why to preferred MIT ACSC for B.Sc. CS --------

• Highly qualified teaching staff • Highest placement record • Varieties of value added programs offered to the students as per the requirement of industries • Guidance sessions by eminent persons from IT industry and other sectors. • Special sessions for preparing students for technical sessions and interviews • Great Infrastructure • Refreshing environment for student to stress-free practice

• To conduct joint workshops/ webinars/ expert lectures/ certificate courses/ training programs on the topic financial well-being.

Add-on Courses: Python Programming | Learn 'C' With Fun | Technical Skills | MATLAB Programming & Its Application in Electronics | Aptitude Skills: Quantitative & Reasoning Skills

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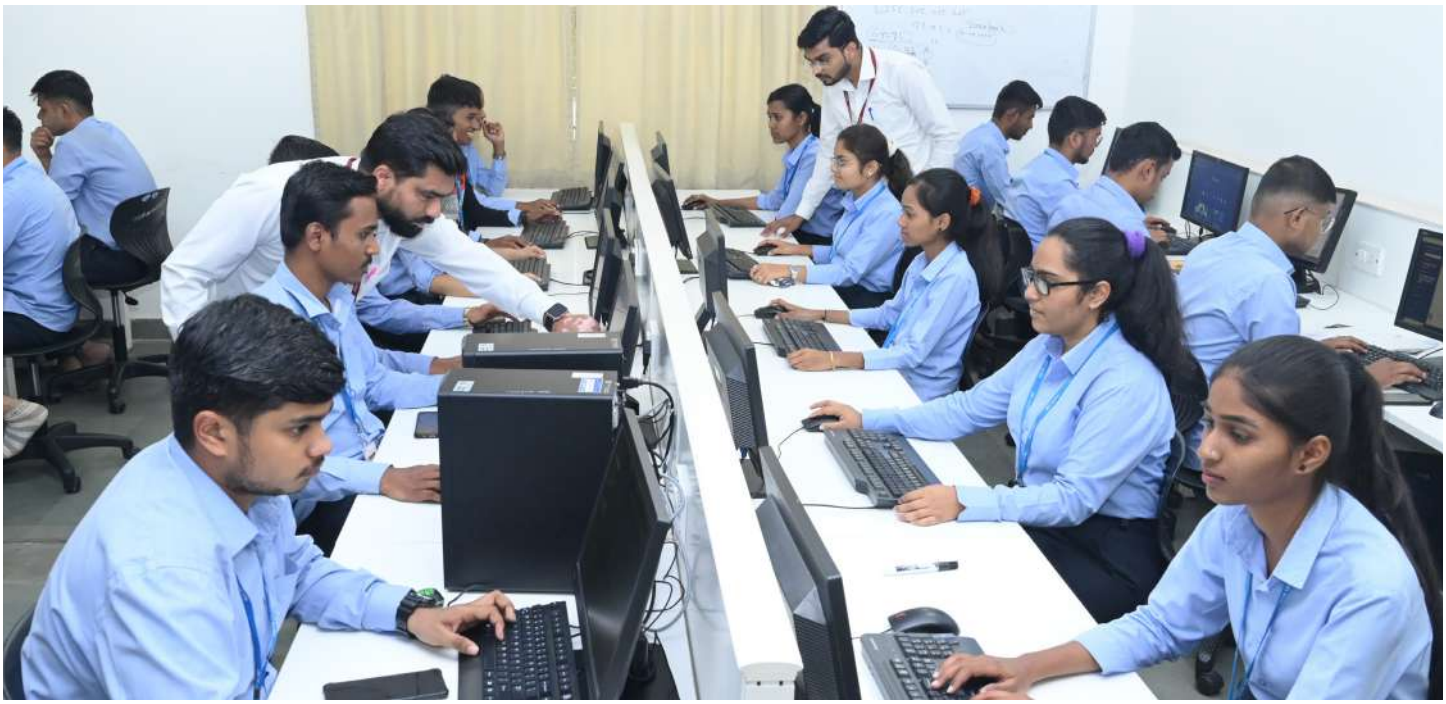
-------- Career Prospects after B.Sc. CS. --------

• Software Development: Software Developer, Software Engineer, Software Architecture
• Database: Database Administrator, Information Security Analyst, Support Specialist
• Networking: Network Architect, Systems Engineer, Solutions Architect,
• Data Analysis: Data Analyst, Business Intelligence Analyst, Data Architect
• Testing: Manual Testing Engineer, Automation Testing Engineer, Quality Assurance Analyst
• AI & ML: AI Research Scientist, ML Engineer, Data Scientist



Eligibility

- H.S.C. / 12th / (10+2) from science stream with Mathematics or its equivalent.OR
- Three Years Diploma Course, after S.S.C. (10th standard) of Board of Technical Education conducted by Government of Maharashtra or its equivalent.

-------- 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.

B.Sc. (Computer Science) | SEMESTER I									
Subject Code	Course Type	Course Name	Teaching Scheme Hrs/Week		Examination Scheme and Marks			Credits		
			TH	P	CCE	EE	Total	TH	P	Total
2409SB1T101	Subject- 1	C Programming	2	-	20	30	50	2	-	12
2409SB1P102		Lab Course on C Programming	-	4	20	30	50		2	
2409SB2T103	Subject- 2	Discrete Mathematics	2	-	20	30	50	2	-	
2409SB2P104		Lab Course on Discrete Mathematics with Python Programming	-	4	20	30	50	-	2	
2409SB3T105	Subject- 3	Foundation of Digital Electronics	2	-	20	30	50	2	-	
2409SB3P106		Lab Course on Foundation of Digital Electronics	-	4	20	30	50	-	2	
2400GOET1_	GE/OE	From College Basket	2	-	50	-	50	2	-	2
2409SECP107	SEC	Lab Course on "Statistical Methods for Computer Science I	-	4	20	30	50	-	2	2
2400IKST1A	IKS	Generic IKS	2	-	50	-	50	2	-	2
2400AECT1A	AEC	English for Communication - I	2	-	50	-	50	2	-	2
2400VECT1A	VEC	Indian constitution and Democracy	2	-	50	-	50	2	-	2
Total			**14**	**16**	**340**	**210**	**550**	**14**	**8**	**22**

B.Sc. (Computer Science) | SEMESTER II									
Subject Code	Course Type	Course Name	Teaching Scheme Hrs/Week		Examination Scheme and Marks			Credits		
			TH	P	CCE	EE	Total	TH	P	Total
2409SB1T201	Subject- 1	Database Management System	2	-	20	30	50	2	-	12
2409SB1P202		Lab Course on Database Management System	-	4	20	30	50		2	
2409SB2T203	Subject- 2	Graph Theory	2	-	20	30	50	2	-	
2409SB2P204		Lab Course on Computational Geometry	-	4	20	30	50	-	2	
2409SB3T205	Subject- 3	Computer Organization	2	-	20	30	50	2	-	
2409SB3P206		Lab Course on Computer Organization	-	4	20	30	50	-	2	
2400GOET2_	GE/OE	From College Basket	-	4	50	-	50	2	-	2
2409SECP207	SEC	Lab Course on Statistical Methods For Computer Science II	-	4	20	30	50	2	-	2
2400AECT2B	AEC	English for Communication - II	2	-	50	-	50	2	-	2
2400VECT2B	VEC	Environmental Awareness	2	-	50	-	50	2	-	2
2400CCCT2_	CC	NSS/NCC/Yoga Education/Health & Wellness /Fine Arts /Sports /Cultural - I	2	-	50	-	50	2	-	2
Total			**12**	**20**	**340**	**210**	**550**	**14**	**08**	**22**

B.Sc. (Computer Science) | 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
2409MJCT301	Major Core	Data Structure using 'C'	2	-	20	30	50	2	-	6
2409MJCT302		Relational Database ManagementSystem	2	-	20	30	50	2	-	
2409MJCP303		Lab Course on DSA	-	4	20	30	50	-	2	
2409VSCP304	VSC	Lab Course on Relational Management System	-	4	20	30	50	-	2	2
2409FEPP305	FP/CEP	Field Project / Summer Internship	-	2	50	-	50	-	2	2
2409MNRT306A	Minor	Microcontroller and Programming	2	-	20	30	50	2	-	4
2409MNRP307A		Lab Course on Microcontroller andProgramming	-	4	20	30	50	-	2	
OR		OR								
2409MNRT306B		Linear Algebra	2	-	20	30	50	2	-	4
2409MNRP307B		Lab Course on Linear Algebra withSage Math	-	4	20	30	50	-	2	
2400GOET3_	GE/OE	From College Basket	2	-	50	-	50	2	-	2
2400IKST3B	IKS	Computing in Ancient India	2	-	50	-	50	2	-	2
2400AECT3_	AEC	Sanskrit I / Marathi I / Hindi -I	2	-	50	-	50	2	-	2
2400CCCT3_	CC	NSS/NCC/Yoga Education/Health &Wellness/Fine Arts /Sports /Cultural- II	2	-	50	-	50	2	-	2
Total			**14**	**18**	**370**	**180**	**550**	**14**	**08**	**22**

Winter internship- Student is doing an internship that credit is considered for community engagement program – in SEM IV

B.Sc. (Computer Science) | 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
2409MJCT401	Major Core	Python Programming	2	-	20	30	50	2	-	6
2409MJCT402		Object Oriented Concepts Using C++	2	-	20	30	50	2	-	
2409MJCP403		Lab Course on Object Oriented Concepts Using C++	-	4	20	30	50	-	2	
2409VSCP404	VSC	Lab Course on Python Programming	-	4	20	30	50	-	2	2
2409CEPP405	FP/CEP	Community Engagement Program /Winter Internship	-	2	50	-	50	-	2	2
2409MNRT406A	Minor	IOT Instrumentation	2	-	20	30	50	2	-	4
2409MNRP407A		Lab Course on IOT Instrumentation	-	4	20	30	50	-	2	
OR		OR								
2409MNRT406B		Numerical Analysis	2	-	20	30	50	2	-	4
2409MNRP407B		Lab Course on Numerical Analysis	-	4	20	30	50	-	2	
2400GOET4_	GE/OE	From College Basket	2	-	50	-	50	2	-	2
2409SEC408	SEC	Computer Network	-	4	20	30	50	-	2	2
2400AECT4_	AEC	Sanskrit II / Marathi II / Hindi-II	2	-	50	-	50	2	-	2
2400CCCT4_	CC	NSS/NCC/Yoga Education/Health &Wellness	2	-	50	-	50	2	-	2
Total			**14**	**18**	**340**	**210**	**550**	**12**	**10**	**22**

Summer Internship – 2 Credit *Any Student is doing an internship that credit is for Field project / Community Engagement Program- in SEM V

B.Sc. (Computer Science) | SEMESTER V									
Subject Code	Course Type	Course Name	Teaching Scheme Hrs/Week		Examination Scheme and Marks			Credits		
			TH	P	CCE	EE	Total	TH	P	Total
2409MJCT501	Major Core	Foundation of Data Science	2	-	20	30	50	2	-	2
2409MJCT502		Core JAVA Programming	2	-	20	30	50	2	-	2
2409MJCT503		Theoretical Computer Science	2	-	20	30	50	2	-	2
2409MJCT504		Object Oriented Software Engineering	2	-	20	30	50	2	-	2
2409MJCP505		Lab Course on Foundation of DataScience	-	4	20	30	50	-	2	2
2409MJCP506		Lab Course on JAVA Programming	-	4	20	30	50	-	2	2
2409VSCT507	Major Elective	BlockChain Technologies	2	-	20	30	50	2	-	2
2409MJET508A		Full Stack Development -I	2	-	20	30	50	2	-	2
2409MJCP509A		Lab Course on Full Stack Development I		4		30	50		2	2
OR		OR								
2409MJCT508B		Foundation of C#.NET	2	-	20	30	50	2	-	2
2409MJCP509B	VSC	Lab Course on C#.NET	-	4	20	30	50		2	2
2409FEPT510	FP/CEP	Field Project / Community Engagement Program	-	2	50	-	50		2	2
2409MRNT511A	Minor	Robotics and Automation	2	-	20	30	50	2	-	2
OR		OR								
2409MJCT511B		Operation Research	2		20	30	50	2		2
Total			**14**	**14**	**250**	**300**	**550**	**14**	**8**	**22**

B.Sc. (Computer Science) | SEMESTER VI									
Subject Code	Course Type	Course Name	Teaching Scheme Hrs/Week		Examination Scheme and Marks			Credits		
			TH	P	CCE	EE	Total	TH	P	Total
2409MJCT601	Major Core	Advanced JAVA Programming	2		20	30	50	2		2
2409MJCT602		Data Analytics	2		20	30	50	2		2
2409MJCT603		Compiler Construction	2		20	30	50	2		2
2409MJCT604		Operating System	2		20	30	50	2		2
2409MJCP605		Lab Course on JAVA Programming		4	20	30	50		2	2
2409MJCP606		Lab Course on Data Analytics		4	20	30	50		2	2
2409VSCT607	VSC	Lab Course on OS		4	20	30	50		2	2
2409MJET608A	Major Elective	FULL Stack Development -II	2		20	30	50	2		2
2409MJEP609A		Lab Course on FULL StackDevelopment -II		4	20	30	50		2	2
OR		OR								
2409MJET608B		ASP.NET Programming	2		20	30	50	2		2
2409MJEP609B		Lab Course on ASP.NET Programming		4	20	30	50		2	2
2409OJTP610A	OJT	On Job Training (120 Hrs.)		2	100	-	100		2	2
Total			**12**	**14**	**280**	**320**	**550**	**10**	**12**	**22**

*Winter Internship (Equivalent to OJT) – 4 Credit

*Note: - If Student want to opt semester Internship, then follow below structure of SEM-VI

B.Sc. (Computer Science) | SEMESTER VI									
Subject Code	Course Type	Course Name	Teaching Scheme Hrs/Week		Examination Scheme and Marks			Credits		
			TH	P	CCE	EE	Total	TH	P	Total
2409MJCT601	Major Core	Advanced JAVA Programming	2	-	20	30	50	2	-	2
2409MJCT602		Data Analytics	2	-	20	30	50	2	-	2
2409MJCT603		Compiler Construction	2	-	20	30	50	2	-	2
2409MJCT604		Operating System	2	-	20	30	50	2	-	2
2409OJTP610B	OJT	On Job Training (360 Hrs.)	-	2	300	-	300	-	12	12
2409MOOC611	MOOC	Any One MOOC Courses	-	-	-	-	-	-	2	2
Total			**8**	**2**	**380**	**120**	**500**	**8**	**14**	**22**

B.Sc. (Computer Science) | Honors Degree: SEMESTER VII									
Subject Code	Course Type	Course Name	Teaching Scheme Hrs/Week		Examination Scheme and Marks			Credits		
			TH	P	CCE	EE	Total	TH	P	Total
2409MJCT701	Major Core	Design & Analysis of Algorithm	2	-	20	30	50	2	-	2
2409MJCT702		Data Mining & Data Warehousing	4	-	40	60	100	4	-	4
2409MJCT703		Advanced Databases	4	-	40	60	100	4	-	4
2409MJCP704		Lab Course on DMDW	-	4	20	30	50	-	2	2
2409MJCP705		Lab Course on Ad. Databases	-	4	20	30	50	-	2	2
2409MJET706 A	Major Elective	Soft Computing	2	-	20	30	50	2	-	4
2409MJEP707 A		Lob Course on Soft Computing	-	4	20	30	50	-	2	2
OR		OR								
2409MJET706 B		Artificial Intelligence	2	-	20	30	50	2	-	2
2409MJEP707 B		Lab Course on Artificial Intelligence	-	4	20	30	50	-	2	2
2409REM708	RM	Research Methodology	4	-	100	-	100	4	-	4
Total			**16**	**12**	**280**	**330**	**550**	**16**	**6**	**22**

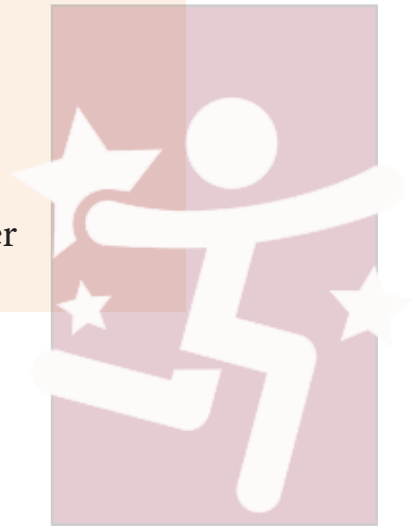
B.Sc. (Information Technology) | Honors Degree: SEMESTER VIII									
Subject Code	Course Type	Course Name	Teaching Scheme Hrs/Week		Examination Scheme and Marks			Credits		
			TH	P	CCE	EE	Total	TH	P	Total
2409MJCT801	Major Core	Machine Learning	4	-	40	60	100	4	-	4
2409MJCT802		Image & Video Processing	2	-	40	30	50	2	-	2
2409MJCT803		Full Stack Development -III	4	-	40	60	100	4	-	4
2409MJCP804		Lab Course on Machine Learning	-	4	40	30	50	-	2	2
2409MJCP805		Lab Course on Full Stack Development -III	-	4	20	30	50	-	2	2
2409MJET806A	Major Elective	Mobile Technologies	2	-	20	30	50	2		2
2409MJEP807A		Lab Course on Mobile Technologies	-	4	20	30	50	-	2	2
OR		OR								
2409MJET806B		Advanced Operating System	2	-	20	30	50	2	-	2
2409MJEP807B		Lab Course on Advanced Operating System	-	4	20	30	50	-	2	2
2409OJT808A	OJT	On Job Training (120 Hrs.)	-	2	100	-	100	-	4	4
Total			**12**	**14**	**280**	**270**	**550**	**12**	**10**	**22**

*Note: - If Student want to opt semester Internship, then follow below structure of SEM-VIII

B.Sc. (Information Technology) | Honors Degree: SEMESTER VIII									
Subject Code	Course Type	Course Name	Teaching Scheme Hrs/Week		Examination Scheme and Marks			Credits		
			TH	P	CCE	EE	Total	TH	P	Total
2409MJCT801	Major Core	Machine Learning	4	-	40	60	100	4	-	4
2409MJCT802		Image & Video Processing	2	-	20	30	50	2	-	2
2409MJCT803		Full Stack Development -III	4	-	40	60	100	4	-	4
2409OJTP808 B	OJT	On Job Training (120 Hrs.)		2	300	-	300	-	12	12
Total			**10**	**2**	**400**	**150**	**550**	**10**	**12**	**22**

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



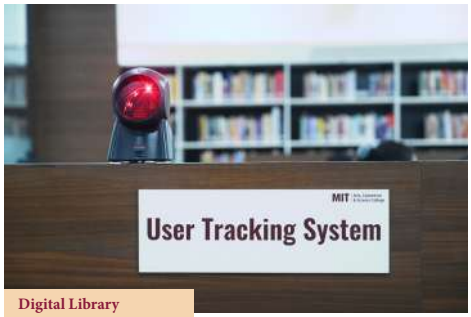
Training & Placement

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

	2021-22	2022-23	2023-24	2024-25	2025-26
No. of Placements	492	241	444	660	401
No. of Internships	281	199	354	754	1200+

MIT ACSC CAMPUS


Class Room



Digital Library


Indoor Sports


Library


Library


Class Room

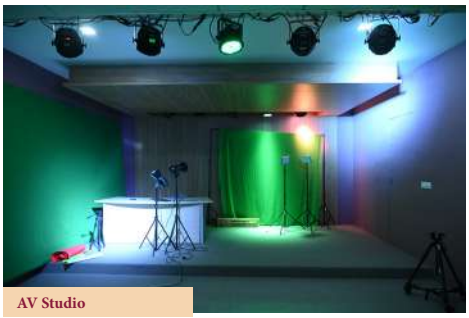

Computer Lab


Canteen


Cultural Room

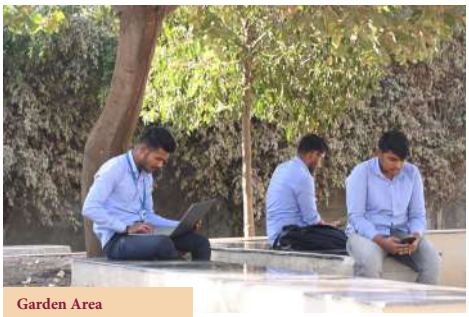

Class Room


Electronic Lab


AV Studio


Canteen


Outdoor Sports


Garden Area

A centre of enlightenment, freedom of thought, and academic excellence.

Connect with Us !

MIT | Arts, Commerce & Science College

Tel: **+91-8055350000** | Email: **admission@mitacsc.ac.in**

www.mitacsc.ac.in