MIT | Arts, Commerce & Science College

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

Bachelors of Computer Application

ACADEMIC YEAR 2025 - 26

Excellence in Education

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

Bachelor of Computer Application

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

Bachelor of Computer Application (BCA) Science comes under science department is a full-time undergraduate computer application programme that trains students in fundamental programming languages (C and Java), databases, networking, and data structures, as well as current technologies like Python, Artificial Intelligence, Machine Learning, and Android. Affiliated to the Savitribai Phule Pune University. This course designed to learn the skill according to current trend in IT industries.

-------- Why to preferred MIT ACSC for BCA --------

❖ Various opportunities in terms of Post Graduate courses are available such as, MCA and MBA.

❖ The remunerations are higher than graduates from other fields.

❖ 100% placement assistance concerning various academic programmes.

❖ Offers career advancement opportunities in various fields including software development, database management, web development, networking, software testing, cyber security, digital marketing, android coding & Python.

❖ This program is structured as per the industry requirements.

❖ Internship opportunities after completion of the second year of the course.

❖ Inculcating application development skills for better prospective opportunities.

-------- Career Prospects after BCA --------

❖ The graduates in BCA can go web development, software Development, database, digital marketing, cyber security and so on. So they have good job opportunities in all industries.

❖ There are numerous postgraduate programs accessible both in India and abroad. These jobs will aid them in defining their goals and enhance their practical skills.

Eligibility

Passed H.S.C / 12th / (10+2) any stream (Arts / Commerce / Science / MCVC) with 40% marks and English as one of the subject. *Every eligible candidate has to qualify MAH-B.BCA/BBA/BMS/ BBM CET

OR

Three Years Diploma after S.S.C. i.e. 10th Standard of Board of Technical Education conducted by Government of Maharashtra or its equivalent must qualify MAHA- CET.

OR

Two Years Diploma in Pharmacy after H.S.C., of Board of Technical Education conducted by Government of Maharashtra or its equivalent and must qualify MAHA- CET.

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

According to AICTE Norm's
(Check Update on AICTE's Official web portal)

		Bachelor of Computer Application | Level 4.5 (FY) 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
2405MJCT101	Subject- 1	Problem Solving Using 'C' Programming	02	--	20	30	50	02	--	02
2405MJCP102		Problem Solving Using 'C' Programming Laboratory	--	04	20	30	50	--	02	02
2405MJCT103	Subject- 2	Database Management System	02	--	20	30	50	02	--	02
2405MJCP104		Database Management System Laboratory	--	04	20	30	50	--	02	02
2405MJCT105	Subject- 3	Digital Electronics & Computer Organization	02	--	20	30	50	02	--	02
2405MJCP106		Web Development Using HTML and CSS Laboratory	--	04	20	30	50	--	02	02
2405GOET107	GE/OE	To be selected from college Bucket	02	--	50	--	50	02	--	02
2405SECP108	SEC	Digital Electronics & Computer Organization Laboratory	--	04	50	--	50	--	02	02
2405IKST109	IKS	Generic IKS	02	--	50	--	50	02	--	02
2405AECT110	AEC	English for Communication-I	02	--	50	--	50	02	--	02
2405VECT111	VEC	Constitution & Democracy	02	--	50	--	50	02	--	02
Total			**14**	**16**	**370**	**180**	**550**	**14**	**08**	**22**

		Bachelor of Computer Application | Level 4.5 (FY) 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
2405MJCT201	Subject- 1	Object Oriented Concepts using C++	02	--	20	30	50	02	-	02
2405MJCP202		Object Oriented Concepts using C++ Laboratory	--	04	20	30	50	-	02	02
2405MJCT203	Subject- 2	Web Development Using Java Script	02	--	20	30	50	02	-	02
2405MJCP204		Web Development Using Java Script Laboratory	--	04	20	30	50	-	02	02
2405MJCT205	Subject- 3	Applied Mathematics	02	--	20	30	50	02	-	02
2405MJCP206		Relational Database Management System Laboratory	--	04	20	30	50	--	02	02
2405GOEP207	GE/OE	To be selected from college Bucket	--	04	50	--	50	--	02	02
2405SECP208	SEC	Applied Mathematics Laboratory	--	04	50	--	50	-	02	02
2405AECT209	AEC	English for Communication-II	02	--	50	--	50	02	-	02
2405VECT210	VEC	Environmental Science	02	--	50	--	50	02	-	02
2405CCC211	CC	To be selected from College Bucket	02	--	50	--	50	02	-	02
Total			**12**	**20**	**370**	**180**	**550**	**12**	**10**	**22**

		Bachelor of Computer Application | Level 5.0 (SY) 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
2405MJCT301	Major Core	Data Structures using C++	02	-	20	30	50	2	-	2
2405MJCT302		Software Engineering	02	-	20	30	50	2	-	2
2405MJCP303		Data Structures using C++ Laboratory	-	04	20	30	50	-	2	2
2405VSCP304	VSC	R-Programming	-	04	20	30	50	-	2	2
2405FPRP305	FPR	Field Project	-	04	50	-	50	-	2	2
2405MNRT30 6A	Minor	HBase and NoSQL	02	-	20	30	50	2	-	2
2405MNRP30 7B		HBase and NoSQL Laboratory	-	04	20	30	50	-	2	2
OR		OR								
2405MNRT30 6A		Web Development Using PHP	02	-	20	30	50	2	-	2
2405MNRP30 7B		Web Development Using PHP Laboratory	-	04	20	30	50	-	2	2
2405GOET308	GE/OE	To be selected from College Bucket	02	-	50	-	50	2	-	2
2405IKST309	IKS	Domain Specific IKS	02	-	50	-	50	2	-	2
2405AECT310	AEC	Sanskrit-I / Marathi-I / Hindi-I	02	-	50	-	50	2	-	2
2405CCC311	CC	To be selected from College Bucket	02	-	50	-	50	2	-	2
Total			**14**	**16**	**370**	**180**	**550**	**14**	**08**	**22**

		Bachelor of Computer Application | Level 5.0 (SY) 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
2405MJCT401	Major Core	Core JAVA	2	-	20	30	50	2	-	2
2405MJCT402		Object Oriented Software Engineering	2	-	20	30	50	2	-	2
2405MJCP403		Core JAVA Laboratory	-	4	20	30	50	-	2	2
2405VSCP404	VSC	Go Programming	-	4	20	30	50	-	2	2
2405FPRP405	CEP	CommunityEngagement Program	-	4	50	-	50	-	2	2
2405MNRT406 A	Minor	MongoDB	2	-	20	30	50	2	-	2
2405MNRP407 B		MongoDB Laboratory	-	4	20	30	50	-	2	2
OR		OR								
2405MNRT406 A		React Web Framework	2	-	20	30	50	2	-	2
2405MNRP407 B		React Web Framework Laboratory	-	4	20	30	50	-	2	2
2405GOEP408	GE/OE	To be selected from College Bucket	-	4	50	-	50	2	2	2
2405SECP409	SEC	Power BI OR Open AI	-	4	50	-0	50	-	2	2
2405AECT410	AEC	Sanskrit-II / Marathi-II / Hindi II	2	-	50	-	50	2	-	2
2405CCC411	CC	To be selected from College Bucket	-	-	50	-	50	2	-	2
Total			**08**	**24**	**370**	**180**	**550**	**10**	**12**	**22**

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

Bachelor of Computer Application | Level 5.5 (TY) 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
2405MJCT501	Major Core	Advance Java	04	--	40	60	100	04	--	04
2405MJCT502		Computer Network	02	--	20	30	50	02	--	02
2405MJCP503		Advance Java Laboratory	--	04	20	30	50	--	02	02
2405MJCT504		Python Programming	02	--	20	30	50	02	--	02
2405MJCP505		Python Programming Laboratory	--	04	20	30	50	--	02	02
2405MJET506A	Major Elective	Android	02	--	20	30	50	--	--	02
2405MJEP507B		Android Laboratory	--	04	20	30	50	--	02	02
OR		OR								
2405MJET506A		. NET Programming	02	--	20	30	50	02	--	02
2405MJEP507B		.NET Programming Laboratory	--	04	20	30	50	--	02	02
2405VSCP508	VSC	Scala Framework	--	04	20	30	50	--	02	02
2405FPRP509	FP/CEP	Field Project	--	04	50	--	50	--	02	02
2405MNRT510A	Minor	Big data	02	--	20	30	50	02	--	02
OR		OR								
2405MNRT510A		Node JS and Express JS	02	--	20	30	50	02	--	02
Total			**12**	**20**	**250**	**300**	**550**	**10**	**10**	**22**

Bachelor of Computer Application | Level 5.5 (TY) 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
2405MJCT601	Major Core	Artificial Intelligence	02	--	20	30	50	02	--	02
2405MJCT602		Cyber Security	02	--	20	30	50	02	--	02
2405MJCP603		Artificial Intelligence Laboratory	--	04	20	30	50	--	02	02
2405MJCT604		Operating System	04	--	40	60	100	04	--	04
2405MJCP605		Operating System Laboratory	--	04	20	30	50	--	02	02
2405MJET606A	Major Elective	UI & UX	02	--	20	30	50	02	--	02
2405MJEP607B		UI & UX Laboratory	--	04	20	30	50	--	02	02
OR		OR								
2405MJET606A		Machine Learning	02	--	20	30	50	02	--	02
2405MJEP607B		Machine Learning	--	04	20	30	50	--	02	02
2405VSCP608	VSC	Laboratory	--	04	20	30	50	--	02	02
2405OJTP609	OJT	Spring Framework	--	08	100	--	100	--	04	04
Total			**10**	**24**	**280**	**270**	**550**	**10**	**12**	**22**

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

Subject Code	Course Type	Course Name	Teaching Scheme Hrs/Week		Examination Scheme and Marks			Credits		
			TH	P	CCE	EE	Total	TH	P	Total
2405MJCT601	Major Core	Artificial Intelligence	02	--	20	30	50	02	--	02
2405MJCT602		Cyber Security	02	--	20	30	50	02	--	02
2405MJCT603		Operating System	02	--	20	30	50	02	--	02
2405MJET606A		UI & UX OR Machine Learning	02	--	20	30	50	02	--	02
2405MJEP608		Spring Framework	02	--	20	30	50	02	--	02
OR										
	OJT	MOOC Online Courses	--	--	--	--	--	10	--	10
2405OJTP606	MOOC	On Job Training	--	--	--	--	--	--	12	12
Total			**10**	**00**	**75**	**175**	**250**	**10**	**12**	**22**

Subject Code	Course Type	Course Name	Teaching Scheme Hrs/Week		Examination Scheme and Marks			Credits		
			TH	P	CCE	EE	Total	TH	P	Total
2405MJCT701	Major Core	Block chain	04	--	40	60	100	04	--	04
2405MJCT702		Cloud Technologies	04	--	40	60	100	04	--	04
2405MJCP703		Block chain Laboratory	--	04	20	30	50	--	02	02
2405MJCP704		Cloud Technologies Laboratory	--	04	20	30	50	--	02	02
2405MJCT705		DevOps	02	--	20	30	50	02	--	02
2405MJET706A	Major Elective	Natural Language Processing	02	--	20	30	50	02	--	02
2405MJEP707B		Natural Language Processing Laboratory	--	04	20	30	50	--	02	02
OR		OR								
2405MJET706A		Django Web Framework	02	--	20	30	50	02	--	02
2405MJEP707B		Django Web Framework Laboratory	--	04	20	30	50	--	02	02
2405RMT708	RM	Fundamentals of Research Methodology	04	--	40	60	100	04	--	04
Total			**16**	**12**	**220**	**330**	**550**	**16**	**06**	**22**

Bachelor of Computer Application | Level 6.0 Hon. Degree with Semester Long Internship (Semester–VI)

Bachelor of Computer Application | Level 6.0 Hon. 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
Bachelor of Computer Application | Level 6.0 Hon. Degree Semester–VIII										
2405MJCT801	Major Core	Data Science	02	--	20	30	50	02	--	02
2405MJCT802		Data Analytics	04	--	40	60	100	04	--	04
2405MJCT803		Deep Learning	04	--	40	60	100	04	--	04
2405MJCP804		Data Analytics Laboratory	--	04	20	30	50	--	02	02
2405MJCP805		Deep Learning Laboratory	--	04	20	30	50	--	02	02
2405MJET806A	Major Elective	Data Mining and Data Warehousing	02	--	20	30	50	02	--	02
2405MJEP807B		DMDW Laboratory	--	04	20	30	50	--	02	02
OR		OR								
2405MJET806A		Computer Vision	02	--	20	30	50	02	--	02
2405MJEP807B		Computer Vision Laboratory	--	04	20	30	50	--	02	02
2405OJTP808	OJT	On-Job Training/Internship*	--	08	100	--	100	--	04	04
Total			**12**	**14**	**280**	**270**	**550**	**12**	**10**	**22**

Award of Four years UG Honors Degree in Major and Minor with 176 credits

Subject Code	Course Type	Course Name	Teaching Scheme Hrs/Week		Examination Scheme and Marks			Credits		
			TH	P	CCE	EE	Total	TH	P	Total
Bachelor of Computer Application | Level 6.0 Hon. Degree with Semester Long Internship (Semester–VIII)										
2405MJCT801	Major Core	Data Science	02	--	20	30	50	02	--	02
2405MJCT802		Data Analytics	02	--	20	30	50	02	--	02
2405MJCT803		Deep Learning	02	--	20	30	50	02	--	02
2405MJET806A		Data Mining and Data Warehousing	02	--	20	30	50	02	--	02
2405MJEP807A		Computer Vision	02	--	20	30	50	02	--	02
		OR								
		MOOC Online Courses	--	--	--	--	--	10	--	10
2409OJTP808 B	OJT	On Job Training (120 Hrs.)	--	--	--	--	--	--	12	12
Total			**10**	**00**	**75**	**175**	**250**	**10**	**12**	**22**

Abbreviations:

MJC – Major Core MJE- Major Elective MNR-Minor | VSC- Vocational Skill Course

IKS - Indian Knowledge System FPR– Field Project OJT – On Job Training

CEP – Community Engagement Program GOE –Generic Elective / Open Elective

SEC- Skill Enhancement Course | AEC- Ability Enhancement Course | VEC –Value Education course CCC- Co-curricular Course
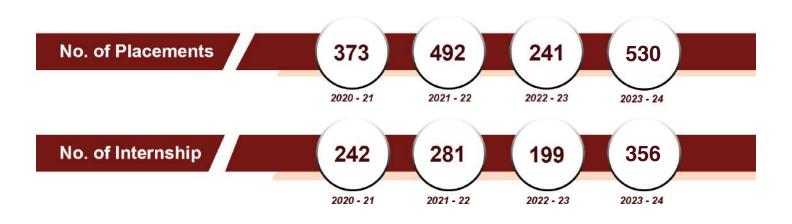
RM – Research Methodology T- Theory | P-Practical

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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