

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

Bachelor of Business Administration (Computer Applications)

Syllabus as per the National Education Policy (NEP)

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

Postgraduate Programs

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

Ph.D.

- ❖ Ph.D. - Mathematics



BBA CA

Bachelor of Business Administration (Computer Applications)

About the Course

BBA (Computer Applications) is a programme that combines technical and general management subjects to provide quality education on IT and software development from a business administration perspective. As IT and Computer Science are highly sought-after in the corporate world, this programme aims to provide a robust academic foundation for a successful career in Computer Applications.

Course Objectives

- Develop a strong understanding of computers, including principles of software, mathematics, commerce, and management.
- Apply hands-on experience with recent technologies to design, implement, and evaluate real-world solutions, including web-based applications.
- Analyze problems and develop innovative solutions using critical thinking and problem-solving skills in business, management, and computer applications.
- Evaluate solutions for real-world challenges by using computers to analyze, design, and implement programs, ensuring thorough validation techniques.
- Create innovative solutions for industry and entrepreneurial success by applying thorough validation techniques in the design, implementation, and assessment of programs.

Why Choose Computer Application from MIT ACSC?

- 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 programming, and Python.
- Dedicated courses as per the industrial requirements.
- Internship opportunities following completion of the second year of the course.
- Inculcating application development skills for better prospective opportunities.



Eligibility

H.S.C.(10 + 2) with any stream

OR

Three years diploma course after S.S.C.(10th std.) 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. Admission will be offered to the students on the basis of H.S.C. / 12th percentage.

Future Prospects

The graduates in Computer Applications can witness effective career progression in web development, software development, database, digital marketing, cyber security, etc. So, they have ample job opportunities to shape their careers. 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.



Program Structure

Business Administration Computer Application

BBA CA: SEM 1 | Level 4.5

Course Code	Course Type	Course Name	Teaching Scheme Hrs/Week		Examination Scheme and Marks			Credits		
			TH	PR	CE	EE	Total	TH	PR	Total
U24/CA1MCT1	Subject 1	C Programming	03	--	15	35	50	02	--	02
U24/CA1MCP1		C Programming Laboratory	--	04	15	35	50	--	02	02
U24/CA1MCT2	Subject 2	Web Designing	03	--	15	35	50	02	--	02
U24/CA1MCP2		Web Designing Laboratory	--	04	15	35	50	--	02	02
U24/CA1MCT3	Subject 3	Principles of Management	03	--	15	35	50	02	--	02
U24/CA1MCP4		Basics of Python Laboratory	--	04	15	35	50	--	02	02
	GE/ OE	To be selected from college Bucket	03	--	15	35	50	02	--	02
U24/CA1SE CP1	SEC	Business Mathematics	03	--	15	35	50	02	--	02
U24/CA1IKST1	IKS Generic	Computing Science in Ancient India	03	--	15	35	50	02	--	02
U24/CA1AECT1	AEC	English Communication-I	03	--	15	35	50	02	--	02
U24/CA1VECT1	Value Education Course	Democracy Awareness And Gender Sensitization	03	--	20	30	50	02	--	02
T1		Gender Sensitization								
Total			24	12	165	385	550	16	6	22

BBA CA : SEM 2 | Level 4.5

Course Code	Course Type	Course Name	Teaching Scheme Hrs/Week		Examination Scheme and Marks			Credits		
			TH	PR	CE	EE	Total	TH	PR	Total
U24/CA2MCT1	Subject 1	Mastering C Programming	03	--	15	35	50	02	--	02
U24/CA2MCP1		Mastering C Programming Laboratory	--	04	15	35	50	--	02	02
U24/CA2MCT2	Subject 2	Artificial Intelligence	03	--	15	35	50	02	--	02
U24/CA2MCP2		Artificial Intelligence Laboratory	--	04	15	35	50	--	02	02
U24/CA2MCT3	Subject 3	Financial Accounting	03	--	15	35	50	02	--	02
U24/CA2MCT4		JavaScript Laboratory	--	04	15	35	50	--	02	02
	GE/ OE	To be selected from college Bucket	--	04	15	35	50	--	02	02
U24/CA2SECP1	SEC	Database Management System Laboratory	--	04	15	35	50	--	02	02
U24/CA2V SCT1	AEC	English Communication-II	03	--	15	35	50	02	--	02
U24/CA1VECT1	Value Education Course	Environmental Science	03	--	15	35	50	02	--	02
	CC	To be selected from college Bucket	03		15	35	50	02		
Total			18	20	165	385	550	12	10	22

Program Structure

Business Administration Computer Application

BBA CA: SEM 3 | Level 5

Course Code	Course Type	Course Name	Teaching Scheme Hrs/Week		Examination Scheme and Marks			Credits		
			TH	PR	CE	EE	Total	TH	PR	Total
U24/CA3MCT1	MJ	Data Structure	03	--	15	35	50	02	--	02
U24/CA3MCT2		Software Engineering	03	--	15	35	50	--	--	02
U24/CA3MCP1		Data Structure Laboratory	--	04	15	35	50		02	02
U24/CA3VSCT1	VSC	RDBMS Laboratory	--	04	15	35	50	02	02	02
U24/CA3FPP1	FP	Filed Project	--	04	15	35	50	02	02	02
U24/CA3 MNT1A	MN	Angular JS	03	--	15	35	50		--	02
U24/CA3 MNP1A		Angular JS Laboratory	--	04	15	35	50		02	02
		OR								
U24/CA3 MNT1B		Machine Learning	03	--	15	35	50		--	02
U24/CA3 MNP1B		Machine Learning Laboratory	--	04	15	35	50		02	02
	GE/ OE	To be selected from college Bucket	03	--	15	35	50	02	--	02
U24/CA3IKST1	IKS	Indian Knowledge for Computing Systems	03	--	15	35	50	02	--	02
U24/CA3AECT1	AEC	Marathi / Hindi / Sanskrit- I	03	--	15	35	50	02	--	02
	CC	To be selected from college Bucket	03	--	20	30	50	02	--	02
Total			21	16	165	385	550	14	8	22

BBA CA : SEM 4 | Level 5

Course Code	Course Type	Course Name	Teaching Scheme Hrs/Week		Examination Scheme and Marks			Credits		
			TH	PR	CE	EE	Total	TH	PR	Total
U24/CA4MCT1	MJ	Object Oriented Programming using C++	03	--	15	35	50	02	--	02
U24/CA4MCT2		Operating System	03	--	15	35	50	02	--	02
U24/CA4MCP1		Object Oriented Programming using C++ Laboratory	--	04	15	35	50	--	02	02
U24/CA4VSCP1	VSC	PHP Laboratory	--	04	15	35	50	--	02	02
U24/CA4C EPP1	CEP	Community Engagement Program	--	04	15	35	50	--	02	02
U24/CA4 MNT1A	MN	Node JS & Express Js	03	--	15	35	50	02	--	02
U24/CA4 MNP1A		Node JS & Express Js Laboratory	--	04	15	35	50	--	02	02
		OR								
U24/CA4 MNT1B		Deep learning	03	--	15	35	50	02	--	02
U24/CA4 MNP1B		Deep Learning Laboratory	--	04	15	35	50	--	02	02
	GE/ OE	To be selected from college Bucket		04	15	35	50	--	02	02
U24/CA4S ECT1	SEC	Prompt & Generative AI Laboratory	03	04	15	35	50	--	02	02
U24/CA4A ECT1	AEC	Marathi / Hindi / Sanskrit- II	03	--	15	35	50	02	--	02
	CC	To be selected from college Bucket		--	20	30	50	02	--	02
Total			15	24	165	385	550	10	12	22

Program Structure

Business Administration Computer Application

BBA CA : SEM 5 | Level 5.5

Course Code	Course Type	Course Name	Teaching Scheme Hrs/Week		Examination Scheme and Marks			Credits			
			TH	PR	CE	EE	Total	TH	PR	Total	
U24/CA5MCT1	MJ	Java	03	--	15	35	50	02	--	02	
U24/CA5MCT2		Computer Network	03	--	15	35	50	02	--	02	
U24/CA4MCP1		Java Laboratory	--	04	15	35	50	--	02	02	
U24/CA5MCT3		Software Testing	03	--	15	35	50	02	--	02	
U24/CA5MCP2		Cloud-Based Productivity Tools Laboratory	-	04	15	35	50	--	02	02	
U24/CA5MCT4		Software Project Management System	03	--	15	35	50	02	--	02	
U24/CA5 MET1A	ME	Go Programming	03	--	15	35	50	--	--	02	
U24/CA5 MEP1A		Go Programming Laboratory	--	04	15	35	50	02	02	02	
			O R								
U24/CA5 MET1B		Dot Net Programming	03	--	15	35	50	02	--	02	
U24/CA5V SCT1		Dot Net Programming Laboratory	--	04	15	35	50	--	02	02	
U24/CA5F PP1	VSC	Minor subject Laboratory	--	04	15	35	50	--	02	02	
U24/CA5 MNP1A	FP	Field Project	--	04	15	35	50	--	02	02	
U24/CA5 MNP1A	MN	React Js	03	--	15	35	50	02	--	02	
			O R								
U24/CA5 MNT1B		Natural Language Processing	03	--	15	35	50	02	--	02	
Total			18	20	165	385	550	12	10	22	

Program Structure

Business Administration Computer Application

BBA CA: SEM 6 | Level 5.5

Course Code	Course Type	Course Name	Teaching Scheme Hrs/Week		Examination Scheme and Marks			Credits		
			TH	PR	CE	EE	Total	TH	PR	Total
U24/CA6MCT1	MJ	Object Oriented Software Engineering	03	--	15	35	50	02	--	02
U24/CA6MCT2		Data Science	03	--	15	35	50	02	--	02
U24/CA6MCP1		Data Science Laboratory	--	04	15	35	50	--	02	02
U24/CA6MCT3		Advance Java	03	--	15	35	50	02	--	02
U24/CA6MCP2		Advance Java Laboratory	-	04	15	35	50	--	02	02
U24/CA6MCT4		Digital Marketing	03	--	15	35	50	02	--	02
U24/CA6MET1A	ME	Django	03	--	15	35	50	02	--	02
U24/CA6ME P1A		Django Laboratory	--	04				--	02	
		OR								
U24/CA6 MET1B		Power BI	03	--	15	35	50	02	--	02
U24/CA6ME P1B		Power BI Laboratory	--	04	15	35	50	--	02	02
U24/CA6VS CT1	VSC	Practical on Game Development	--	04	15	35	50	--	02	02
U24/CA6OJTP1	OJT	Internship / Project	--	08	30	70	100	--	04	02
Total			15	24	180	420	600	10	12	22

Note - Students are required to complete on-the-job training or internship in an industry, organization or on-campus for a total duration of 240 hours with 8 hours per day. This preferably takes place during winter vacations after the Semester V examinations and the commencement of Semester VI.

Exit Option: Upon completion of the specified requirements, students have two options: Award of UG Degree in Major with 132 Credits or Continue with Major or Minor

OR

BBA CA : SEM 6 | Level 5.5

Course Code	Course Type	Course Name	Teaching Scheme Hrs/Week		Examination Scheme and Marks			Credits		
			TH	PR	CE	EE	Total	TH	PR	Total
SLIP24CA 6MCTA1	MJ	Data Science	05	--	30	70	100	04	--	04
SLIP24CA 6MCTA2		Object Oriented Software Engineering	05	--	30	70	100	04	--	04
SLIP24CA 6MCTA3		Advance Java	05	--	30	70	100	04	--	04
SLIP24CA 6MCTA4		Django / Power BI	05	--	30	70	100	04	--	04
SLIP24CA 6MCTA5		Game Development	03	--	15	35	50	02	--	02
		OR								
SLIP24CA 6MCTB1		MOOC Online Courses	--	--	--	--	--	18	--	18
SLIP24CA 6OJTP1	OJT	Internship / Project	--	--	30	70	100	--	04	04
Total			23	--	165	385	550	18	04	22

Program Structure

Business Administration Computer Application

BBA CA: Hon. Degree SEM 7 | Level 6

Course Code	Course Type	Course Name	Teaching Scheme Hrs/Week		Examination Scheme and Marks			Credits		
			TH	PR	CE	EE	Total	TH	PR	Total
U24/CA7M CT1	MJ	Android Programming	05	--	30	70	100	04	--	02
U24/CA7M CT2		Big Data Analytics	05	--	30	70	100	04	--	02
U24/CA7M CP1		Android Programming Laboratory	--	04	15	35	50	--	02	02
U24/CA7M CP2		Big Data Analytics Laboratory	--	04	15	35	50	--	02	02
U24/CA7M CT3		Decision Support System	03	--	15	35	50	02	--	02
U24/CA7M ET1A	ME	Data Mining & Data warehousing	03	--	15	35	50	02	--	02
U24/CA7M EP1A		Data Mining & Data warehousing Laboratory	--	04	15	35	50	--	02	
		O R								
U24/CA7M ET1B		Cyber Security	03	--	15	35	50	02	--	02
U24/CA7M EP1B		Cyber Security Laboratory	--	04	15	35	50	--	02	02
U24/CA7RMT1	RM	Fundamentals of Research Methodology	05	--	30	70	100	04	02	02
Total			21	12	165	385	550	16	06	22

Program Structure

Business Administration Computer Application

BBA CA: Hon. Degree SEM 8 | Level 6

Course Code	Course Type	Course Name	Teaching Scheme Hrs/Week		Examination Scheme and Marks			Credits		
			TH	PR	CE	EE	Total	TH	PR	Total
U24/CA8MCT1	MJ	Cloud Computing	05	--	30	70	100	04	--	04
U24/CA8MCT2		Graph QL	05	--	30	70	100	04	--	04
U24/CA8MCP1		Graph QL Laboratory	--	04	15	35	50	--	02	02
U24/CA8MCP2		Cloud Computing Laboratory	--	04	15	35	50	--	02	02
U24/CA8MCT3		Recent Trends in IT	03	--	15	35	50	02	--	02
U24/CA8ME T1A	ME	Hadoop	03	--	15	35	50	02	--	02
U24/CA8ME P1A		Hadoop Laboratory	--	04	15	35	50	--	02	
		OR								
U24/CA8ME T1B		Hadoop	03	--	15	35	50	02	--	02
U24/CA8ME P1B		Hadoop Laboratory	--	04	15	35	50	--	02	02
		OR								
U24/CA8OJTP1	OJT	On-job Training / Internship	--	08	30	70	100	--	04	04
Total			16	20	165	385	550	12	10	22

award of Four years UG Honors Degree in Major and Minor with 176 credit

OR

BBA CA: Hon. Degree SEM 8 | Level 6

Course Code	Course Type	Course Name	Teaching Scheme Hrs/Week		Examination Scheme and Marks			Credits		
			TH	PR	CE	EE	Total	TH	PR	Total
SLIP24CA 6MCTA1	MJ	Cloud Computing	05	--	30	70	100	04	--	04
SLIP24CA 6MCTA2		Graph QL	05	--	30	70	100	04	--	04
SLIP24CA 6MCTA3		Recent Trend in IT	05	--	30	70	100	04	--	02
SLIP24CA 6MCTA4		Hadoop	05	--	30	70	100	04	--	02
SLIP24CA 6MCTA5		Mango DB	03	--	15	35	50	02	--	02
		MOOC Online Courses	--	--	--	--	--	18	--	18
U24/CA8OJTP1	OJT	Internship / Project	--	08	30	70	100	--	04	04
Total			23	08	165	385	550	18	04	22

Abbreviations: MJ – Major Core | ME- Major Elective | MN-Minor | VSC- Vocational Skill Course | IKS - Indian Knowledge System
 FP – Field Project | OJT – On Job Training | CEP – Community Engagement Program | GE / OE –Generic Elective / Open Elective
 SEC- Skill Enhancement Course | AEC- Ability Enhancement Course | VEC –Value Education course | CC- Co-curricular Course
 RM –Research Methodology | T- Theory | P-Practical

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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

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