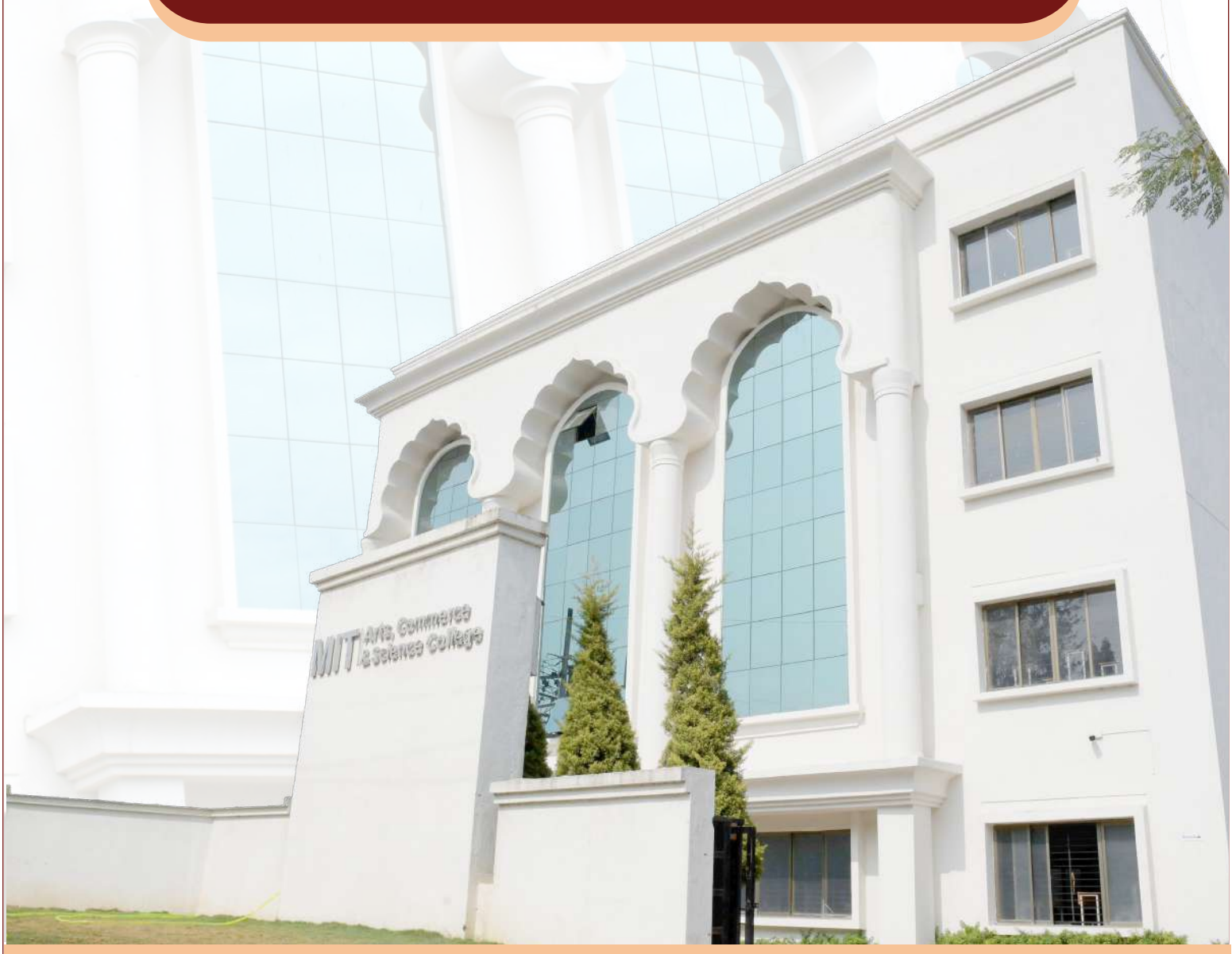
MIT | Arts, Commerce & Science College

An Autonomous College Affiliated to Savitribai Phule Pune University

Accredited by NAAC with "A" Grade

Bachelors of Science
Artificial Intelligence & Machine Learning



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

B.Sc. AI & ML

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

The Bachelor of Science in Artificial Intelligence and Machine Learning (AI/ML) program addresses the compelling need for skilled professionals in a world increasingly shaped by technological advancements. As AI and ML technologies become integral to various industries, from healthcare and finance to manufacturing and beyond, there is a growing demand for individuals with a deep understanding of these cutting-edge fields. The program's significance lies in its ability to equip students with a robust foundation in AI and ML, empowering them to harness the potential of intelligent systems, automation, and data-driven decision-making. The program not only meets the current industry demand but also plays a pivotal role in advancing the frontiers of knowledge and application in these rapidly evolving fields.

The continuous evolution of AI and ML technologies ensures that career prospects will remain robust, with opportunities for specialization and leadership roles. The Bachelor of Science in AI/ML program not only aligns with the current needs of the industry but also empowers graduates to shape the future of artificial intelligence and machine learning through their expertise and innovative contributions.

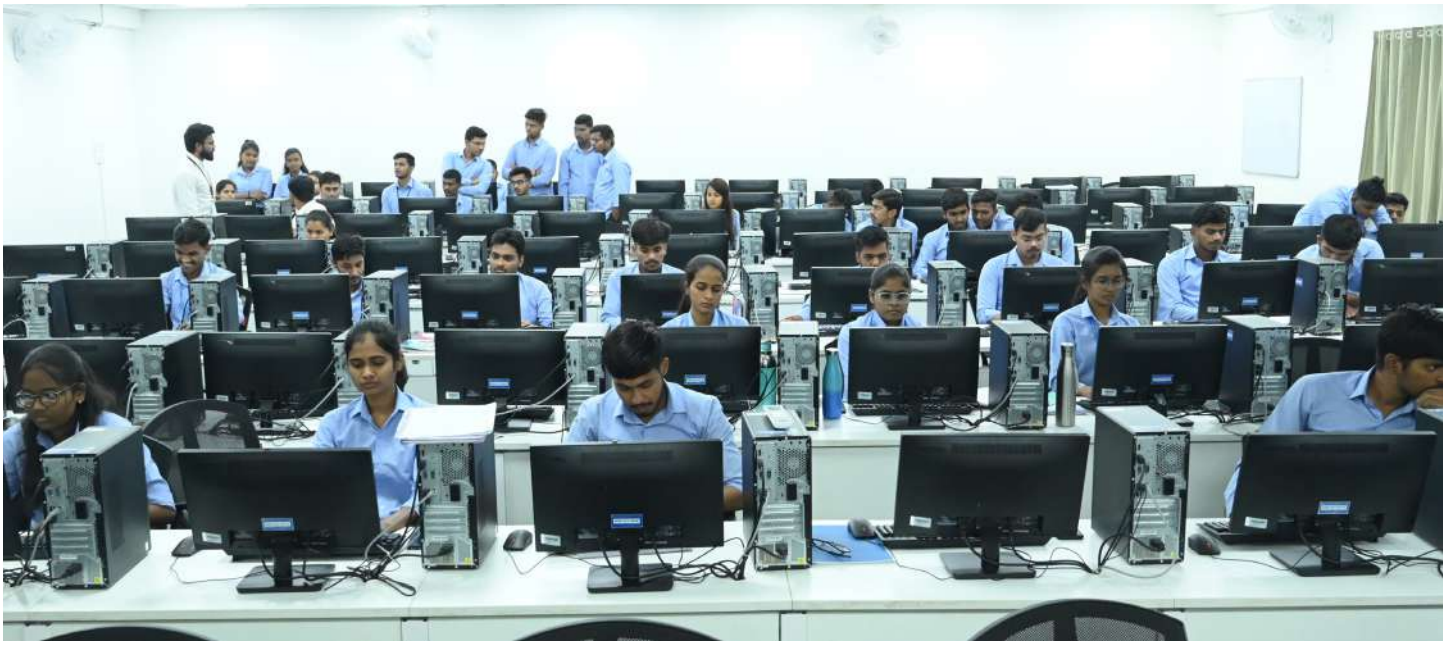
-------- Why to preferred MIT ACSC for B.Sc. AI ML --------

- Highly qualified and experienced faculty members
- Dedicated Training and Placement Cell
- For holistic development Seminars & Guest Lectures
- Best Internship & placements amongst educational institute in Pune
- Excellent Library with Digital Library facility
- Offers skill development courses
- Best infrastructure facility

-------- Career Prospects after B.Sc. AI ML --------

A B.Sc. in Artificial Intelligence & Machine Learning opens up a plethora of exciting career opportunities in various industries. Here are some potential career paths and the scope of this degree:

- Data Scientist • Machine Learning Engineer • AI Research Scientist • Business Intelligence Developer
- AI Consultant • Robotics Engineer



Eligibility

Passed Standard XII (10+2) / equivalent examination with Physics and Mathematics as compulsory subjects along with one of the Chemistry/ Biotechnology/ Biology/ Technical Vocational subject/ Computer Science/ Information Technology/ Informatics Practices/ Agriculture/ Engineering Graphics/ Business Studies from any recognized Board with a minimum of 50% marks or equivalent grade (45% marks or equivalent grade for Scheduled Caste/ Scheduled Tribes).

-------- 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. (AI & ML) | 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
U24/AIML1ST1	Subject- 1	Problem Solving and Programming Using C	03	--	20	30	50	02	--	02
U24/AIML1SP1		Lab course on C Programming	--	04	20	30	50	--	02	02
U24/AIML1ST2	Subject- 2	Discrete Mathematics	03	--	20	30	50	02	--	02
U24/AIML1SP2		Lab Course on Discrete Mathematics	--	04	20	30	50	--	02	02
U24/AIML1ST3	Subject- 3	Fundamentals of Statics	03	--	20	30	50	02	--	02
U24/AIML1SP3		Lab Course on Fundamentals of Statics	--	04	20	30	50	--	02	02
U24/AIML1OET1	GE/OE	From College Basket	03	--	20	30	50	02	--	02
U24/AIML1SECT1	SEC	Computer Organization	03	--	20	30	50	02	--	02
U24/AIML1IKST1	IKS	Indian Science, Engineering &Technology	03	-	20	30	50	2	-	2
U24/AIM-L1AECT1	AEC	Language Communication-I	03	-	20	30	50	2	-	2
U24/AIML1VECT1	VEC	Environmental Awareness-I	03	-	20	30	50	2	-	2
Total			**24**	**12**	**220**	**330**	**550**	**16**	**06**	**22**

B.Sc. (AI & ML) | 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
U24/AIML2ST1	Subject- 1	Advanced C Programming	03	--	20	30	50	2	--	02
U24/AIML2SP1		Lab course on Advanced C Programming	--	4	20	30	50	--	2	02
U24/AIML2ST2	Subject- 2	Fundamentals of Calculus	03	--	20	30	50	2	--	2
U24/AIML2SP2		Lab course on Fundamentals of Calculus	--	4	20	30	50	--	2	2
U24/AIML2ST3	Subject- 3	Probability Models	03	--	20	30	50	02	--	02
U24/AIML2SP3		Lab Course based on Probability Models	--	4	20	30	50	--	2	2
U24/AIML2OEP1	GE/OE	From College Basket	03	--	20	30	50	2	--	02
U24/AIML2SECP1	SEC	Lab Course on Computer Organization	--	4	20	30	50	--	2	02
U24/AIML2AECT1	AEC	Language Communication–II	03	--	20	30	50	2	--	02
U24/AIML2VECT1	VEC	EVS-II	03	--	20	30	50	2	--	02
U24/AIML2CCT1	CC	From College Basket	03	--	20	30	50	2	--	02
Total			**21**	**16**	**220**	**330**	**550**	**14**	**8**	**22**

B.Sc. (AI & ML) | 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
U24/AIML3MCT1	Major Core	Introduction to Artificial Intelligence	03	--	20	30	50	2	--	2
U24/AIML3MCT2		Data Structures	03	--	20	30	50	2	--	2
U24/AIML3MCP1		Lab Course Data Structures	--	4	20	30	50	--	2	2
U24/AIML3VSCT1	VSC	Lab Course on Database Management System	--	4	20	30	50	--	--	2
U24/AIML3FPP1	FP/CEP	Field Project	--	4	20	30	50	--	2	2
U24/AIML3MNT1A	Minor	Graph Theory	03	--	20	30	50	2	--	2
U24/AIML3MNP1A		Practical on Graph Theory	--	4	20	30	50	--	2	2
OR		OR								
U24/AIML3MNT1B		Inferential Statistics - I	03	--	20	30	50	2	--	2
U24/AIML3MNP1B		Lab Course on Inferential Statistics - I	--	4	20	30	50	--	2	2
U24/AIML3OET1	GE/OE	From College Basket	03	--	20	30	50	2	--	2
U24/AIML3IKST1	IKS	Computing in Ancient India	03	--	20	30	50	2	--	02
U24/AIML3AECT1	AEC	Sanskrit–I/Marathi-I/ Hindi-I	03	--	20	30	50	2	--	2
U24/AIML3CCT1	CC	From College Basket	03	--	20	30	50	2	--	2
Total			**21**	**16**	**220**	**330**	**550**	**14**	**8**	**22**

B.Sc. (AI & ML) | 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
U24/AIML4MCT1	Major Core	Python Programming	03	--	20	30	50	2	--	2
U24/AIML4MCT2		Natural Language Processing	03	--	20	30	50	2	--	2
U24/AIML4MCP1		Lab course on Python Programming and NLP	--	4	20	30	50	--	2	2
U24/AIML4VSCT1	VSC	Lab Course on RDBMS	--	--	20	30	50	--	--	2
U24/AIML4CEPP1	FP/CEP	Community Engagement Project	--	4	20	30	50	--	2	2
U24/AIML4MNT1A	Minor	Linear Algebra	03	--	20	30	50	2	--	2
U24/AIML4MNP1A		Linear Algebra	--	4	20	30	50	--	2	2
OR		OR								
U24/AIML4MNT1B		Inferential Statistics - II	03	--	20	30	50	2	--	2
U24/AIML4MNP1B		Lab Course on Inferential Inferential Statistics - II	--	4	20	30	50	--	2	2
U24/AIML4OEP1	GE/OE	From College Basket	--	4	20	30	50	--	2	2
U24/AIML4AECT1	SEC	Sanskrit –II/ Marathi-II/Hindi-II	03	--	20	30	50	2	--	2
U24/AIML4SECP1	AEC	Computer Networks	03	--	20	30	50	2	--	2
U24/AIML4CCT1	CC	NSS/NCC/Yoga Education/Health &Wellness	03	-	20	30	50	2	-	2
Total			**18**	**20**	**220**	**330**	**550**	**12**	**10**	**22**

B.Sc. (AI & ML) | 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
U24/AIML5MCT1	Major Core	Neural Network	03	--	20	30	50	2	--	2
U24/AIML5MCT2		R-Programming	03	--	20	30	50	2	--	2
U24/AIML5MCT3		Embedded Systems	03	--	20	30	50	2	2	2
U24/AIML5MCT4		Data Visualization using Python	03	--	20	30	50	2	--	2
U24/AIML5MCP1		Lab Course on Neural Network	--	4	20	30	50	--	2	2
U24/AIML5MCP2		Lab course on R programming	--	4	20	30	50	--	--	2
U24/AIML5MET1A	Major Elective	Core Java Programming	03	--	20	30	50	2	2	2
U24/AIML5MEP1A		Lab course on Java Programming	--	4	20	30	50	--	2	2
OR		OR								
U24/AIML5MET1B		Introduction to Front End Technologies	03	--	20	30	50	2	--	2
U24/AIML5MEP1B		Lab course on Front End Technologies	--	4	20	30	50	--	2	2
U24/AIML5VSCP1	VSC	Lab Course on Data Visualization	--	4	20	30	50	--	--	02
U24/AIML5FPP1	FP/CEP	Field Project(FP)	--	4	20	30	50	--	--	2
U24/AIML5MNT1	Minor	Logic(Theory)	03	--	20	30	50	2	--	2
		Statistics in RM	03	--	20	30	50	2	--	2
Total			**18**	**20**	**220**	**330**	**550**	**12**	**10**	**22**

B.Sc. (AI & ML) | 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
U24/AIML6MCT1	Major Core	Deep Learning Algorithms	03	--	20	30	50	2	--	2
U24/AIML6MCT2		Fuzzy Logic	03	--	20	30	50	2	--	2
U24/AIML6MCT3		Introduction to Robotics	03	--	20	30	50	2	--	2
U24/AIML6MCT4		Introduction to Data Science	03	--	20	30	50	2	--	2
U24/AIML6MCP1		Deep Learning Algorithms And Robotics	--	4	20	30	50	--	2	2
U24/AIML6MCP2		Advance Java Programming	--	4	20	30	50	--	2	2
U24/AIML6MET1A	Major Elective	Lab course on Advance Java Programming	03	--	20	30	50	2		2
U24/AIML6MEP2A		Lab Course on FULL StackDevelopment -II	--	4	20	30	50	--	2	2
OR		OR								
U24/AIML6MET1B		Introduction to PHP	03	--	20	30	50	2	--	2
U24/AIML6MEP2B		Practical on PHP	--	4	20	30	50	--	2	2
U24/AIML6VSCP1	VSC	Lab Course on Mongo DB	-	4	20	30	50		2	2
U24/AIML6OJTP1	OJT	On Job Training	-	2	40	60	100	--	4	4
Total			**15**	**18**	**220**	**330**	**550**	**10**	**12**	**22**

B.Sc. (AI & ML) | 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
U24/AIML7MCT1	Major Core	Data Analytics	2	-	20	30	50	2	-	2
U24/AIML7MCT2		Internet of Things	4	-	40	60	100	4	-	4
U24/AIML7MCT3		Data Mining	4	-	40	60	100	4	-	4
U24/AIML7MCP1		Lab Course on Data Mining	-	4	20	30	50	-	2	2
U24/AIML7MCP2		Lab course on Internet of Things	-	4	20	30	50	-	2	2
U24/AIML7MET1A	Major Elective	Spring Framework	2	-	20	30	50	2	-	4
U24/AIML7MEP1A		Lab Course on Spring Framework	-	4	20	30	50	-	2	2
OR		OR								
U24/AIML7MET1B		MERN Stack Development	2	-	20	30	50	2	-	2
U24/AIML7MEP1B		Lab Course on MEAN Stack Development	-	4	20	30	50	-	2	2
U24/AIML7RMT1	RM	Research Methodology	4	-	100	-	100	4	-	4
Total			**16**	**12**	**280**	**330**	**550**	**16**	**6**	**22**

Note: If student want to go for semester long internship, then he has to opt below structure.

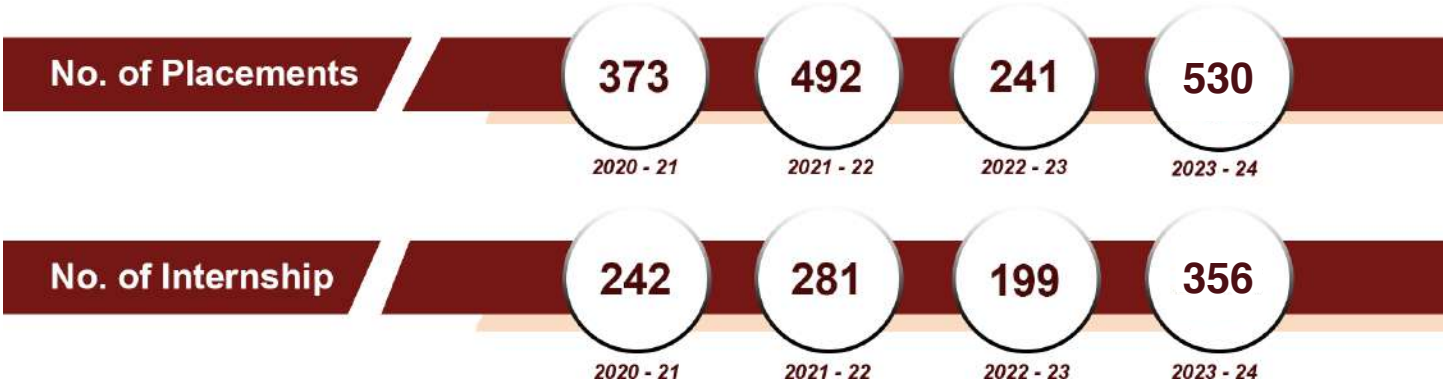
B.Sc. (AI & ML) | Honors Degree: SEMESTER VIII										
Subject Code	Course Type	Course Name	Teaching Scheme Hrs/Week		Examination Scheme and Marks			Credits		
			TH	P	CCE	EE	Total	TH	P	Total
U24/AIML8MCT1	Major Core	Big Data Analytics	03	--	20	30	50	2	--	2
U24/AIML8MCT2		Digital Image Processing	05	--	40	60	100	4	--	4
U24/AIML8MCT3		Quantum Computing	03	--	20	30	50	2	--	2
U24/AIML8MCT4		Augmented Reality	03	--	20	30	50	2	--	2
U24/AIML8MCP1		Lab course on Big Data Analytics	--	4	20	30	50	--	2	2
U24/AIML8MCP2		Lab course on Digital Image Processing	--	4	20	30	50	--	2	2
U24/AIML8MET1A	Major Elective	Hibernate Technologies	03		20	30	50	2	--	2
U24/AIML8MEP1A		Lab Course on Hibernate Technologies	--	4	20	30	50	--	2	2
OR		OR								
U24/AIML8MET1B		Advance Web Framework	03		20	30	50	2	--	2
U24/AIML8MEP1B		Lab Course on Advanced Web Framework	--	4	20	30	50	--	2	2
U24/AIML8OJTP1	OJT	On Job Training	-	2	40	60	100	-	4	4
Total			**12**	**14**	**280**	**270**	**550**	**12**	**10**	**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

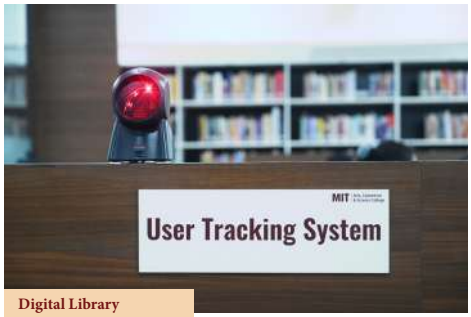
Training & Placement

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



MIT ACSC CAMPUS


Class Room



Digital Library


Indoor Sports


Library


Library


Class Room

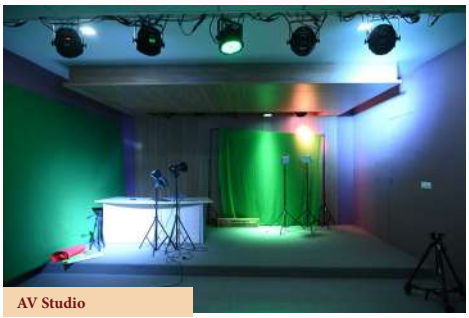

Computer Lab


Canteen


Cultural Room

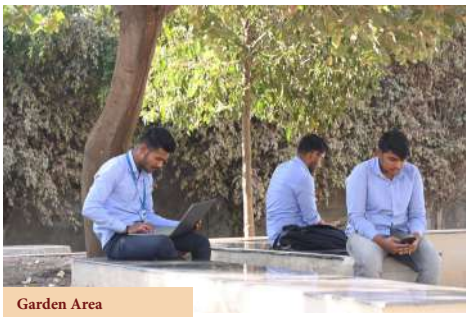

Class Room


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

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

www.mitacsc.ac.in