MIT | Arts, Commerce & Science College
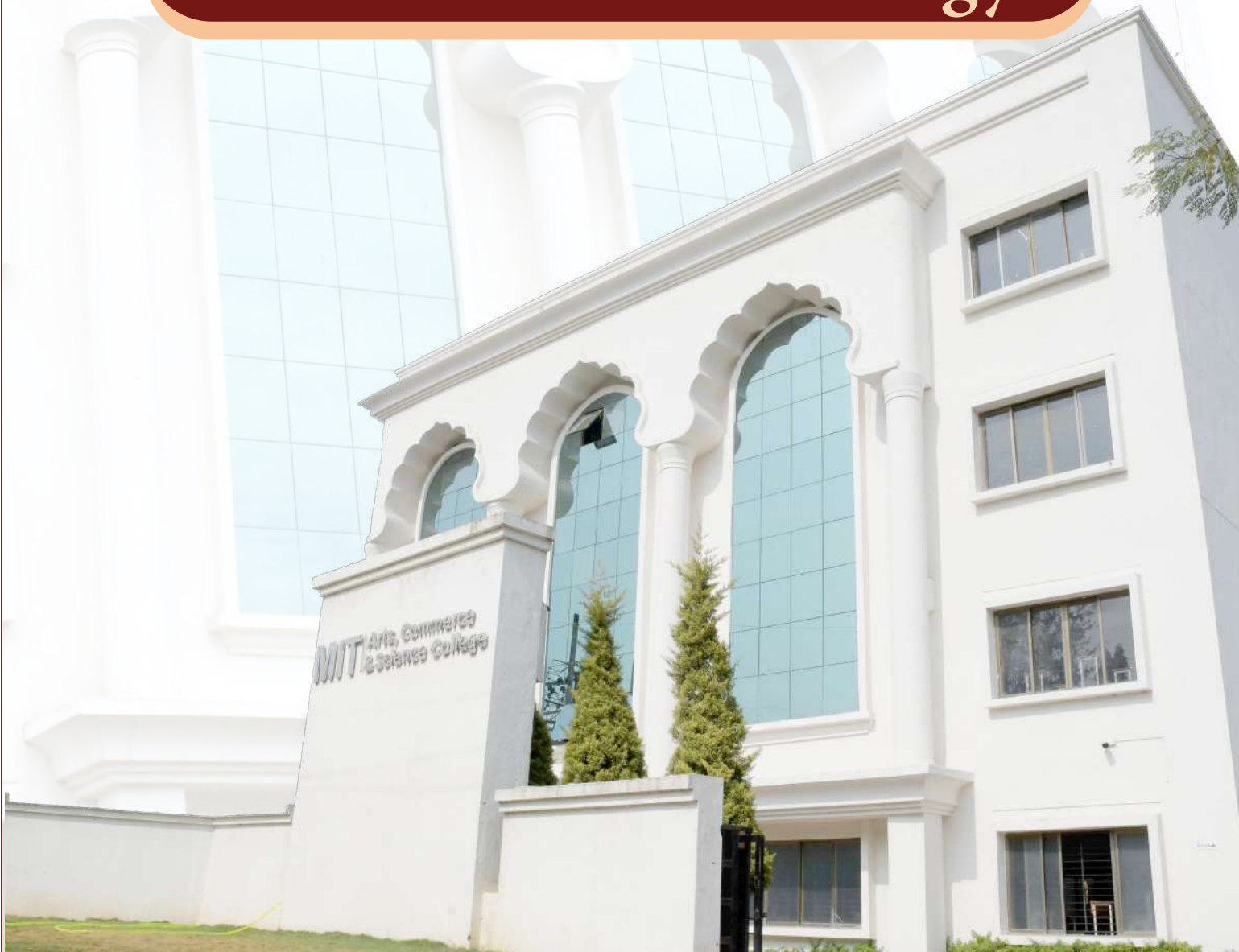
An Autonomous College Affiliated to Savitribai Phule Pune University
Accredited by NAAC with "A" Grade

Bachelors of Science
Information Technology

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. Information Technology

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

The Bachelor of Science in Information Technology (B.Sc. IT) is an undergraduate degree program that focuses on the study of computer systems, software, and related technologies. It is designed to provide students with a strong foundation in IT and prepare them for careers in the technology sector. Graduates with an IT background are able to perform technology-related tasks such as data processing, storage, and communication between computers, mobile phones, and other electronic devices. They can become experts with the analytical and logical thinking skills needed to handle real-world IT challenges. They acquire the expertise to detect, analyse, and solve problems for the same.

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

- MIT ACSC stands out for its diverse academic programs, experienced faculty, and modern infrastructure; ensuring students receive a top-tier education.
- Offers an updated syllabus aligned with current market demands and technological advancements.
- Dedicated placement cell with connections to top IT companies ensures excellent job opportunities.
- Inclusive and student-focused campus fosters academic and personal growth.
- The college emphasizes hands-on learning through well-equipped labs, real-world projects, and internships, ensuring students gain practical knowledge.

-------- Career Prospects after B.Sc. IT. --------

- Software Developer, Web Developer, Network Administrator, Data Analyst, Cyber security Specialist, IT Support Specialist, Mobile App Developer, Cloud Specialist.
- Pursue MSc IT, MCA, MBA (IT Management), or certifications in Data Science, Cyber Security, Cloud Computing, and more.

Eligibility

➢ Higher secondary school certificate (10+2) Science or its equivalent examination with English.

OR

➢ Three-year diploma course from the board of technical education conducted by Government of Maharashtra or its equivalent.

OR

➢ Higher secondary school certificate (10+2) Examination with english & vocational subject of +2 level (MCVC).

-------- **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. (Information Technology) | 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
2406SB1T101	Subject- 1	Problem Solving Using 'C' Programming	2	-	20	30	50	2	-	12
2406SB1P102		Lab Course on Problem Solving Using 'C' Pro-gramming	-	4	20	30	50		2	
2406SB2T103	Subject- 2	Database Management System	2	-	20	30	50	2	-	
2406SB2P104		Lab Course on Database Management System	-	4	20	30	50	-	2	
2406SB3T105	Subject- 3	Python Programming	2	-	20	30	50	2	-	
2406SB3P106		Lab Course on Python Programming	-	4	20	30	50		2	
2400GOET1	GE/OE	From College Basket	2	-	50	-	50	2	-	2
2406SECT107	SEC	Fundamentals of Digital Systems	2	-	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			16	12	340	210	550	**16**	**06**	**22**

		B.Sc. (Information Technology) | 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
2406SB1T201	Subject- 1	Advanced Web Page Designing	2	-	20	30	50	2	-	12
2406SB1P202		Lab Course on AdvancedWeb Page Designing	-	4	20	30	50		2	
2406SB2T203	Subject- 2	Relational Database Management System	2	-	20	30	50	2	-	
2406SB2P204		Lab Course on Relational Database Management System	-	4	20	30	50	-	2	
2406SB3T205	Subject- 3	Introduction to Web Development with Python	2	-	20	30	50	2	-	
2406SB3P206		Lab Course on Introduction to Web Development with Python	-	4	20	30	50	-	2	
2400GOET2	GE/OE	From College Basket	-	4	50	-	50	2	2	2
2406SECP207	SEC	Lab Course On Discrete Mathematics	-	4	20	30	50	-	2	2
2400AECT2	AEC	English for Communication-II	2	-	50	-	50	2	-	2
2400VECT2	VEC	Environmental Awareness	2	-	50	-	50	2	-	2
2400CCCT2	CC	NSS/NCC/Yoga Education/Health & FineArts/ Sports/ Cultural -I	2	-	50	-	50	2	-	2
Total			**12**	**20**	**340**	**210**	**550**	**14**	**08**	**22**

Subject Code	Course Type	Course Name	Teaching Scheme Hrs/Week		Examination Scheme and Marks			Credits		
			TH	P	CCE	EE	Total	TH	P	Total
B.Sc. (Information Technology) | SEMESTER III										
2406MJCT301	Major Core	Data Structure using 'C'	2	-	20	30	50	2	-	
2406MJCT302		Object Oriented ProgrammingUsing C++	2	-	20	30	50	2	-	6
2406MJCP303		Lab Course on Data Structure using 'C'	-	4	20	30	50	-	2	
2406VSCP304	VSC	Lab Course on Object Oriented Programming Using C++	-	4	20	30	50	-	2	2
2406CEPT305	FP/CEP	Field Project	-	2	50	-	50	-	2	2
2406MNRT306A	Minor	NoSQL Databases and Introduction to MongoDB	2	-	20	30	50	2	-	4
2406MNRP307A		Lab Course on NoSQL Databases and Introduction to MongoDB	-	4	20	30	50	-	2	
OR		OR								
2406MNRT306B	Minor	Flask - Lightweight Web Framework	2	-	20	30	50	2	-	4
2406MNRP307B		Lab Course on Flask - Lightweight Web Framework	-	4	20	30	50	-	2	
2406GOET3_	GE/OE	From College Basket	2	-	50	-	50	2	-	2
2406IKST3B	IKS	Computing in Ancient India	2	-	50	-	50	2	-	2
2406AECT3_	AEC	Hindi-I/Marathi-I/Sanskrit-I	2	-	50	-	50	2	-	2
2406CCCT3_	CC	NSS/NCC/Yoga Education/Health & Fine Arts/ Sports/ Cultural -II	2	-	50	-	50	2	-	2
Total			14	18	370	180	550	**14**	**08**	**22**

Summer Internship-4 credits *Students internship credits will be considered for CEP in Sem III

Subject Code	Course Type	Course Name	Teaching Scheme Hrs/Week		Examination Scheme and Marks			Credits		
			TH	P	CCE	EE	Total	TH	P	Total
B.Sc. (Information Technology) | SEMESTER IV										
2406MJCT401	Major Core	Object Oriented Concepts and Java Programming	2	-	20	30	50	2	-	
2406MJCT402		Web Programming-I	2	-	20	30	50	2	-	6
2406MJCP403		Lab Course on Java Programming	-	4	20	30	50	-	2	
2406VSCP404	VSC	Lab Course on Web Programming-I	-	4	20	30	50	-	2	2
2406CEPP405	FP/CEP	Community EngagementProgram	-	2	50	-	50	-	2	2
2406MNRT406 A	Minor	Advanced MongoDB and Database Administration	2	-	20	30	50	2	-	4
2406MNRP407 A		Lab Course: Advanced MongoDB & Database Administration	-	4	20	30	50	-	2	
OR		OR								
2406MNRT406 B	Minor	Full-Stack Web Framework - Django	2	-	20	30	50	2	-	4
2406MNRP407 B		Lab Course on Full-Stack Web Framework - Django	-	4	20	30	50	-	2	
2406GOET4_	GE/OE	From College Basket	2	-	50	-	50	2	-	2
2406SECP4_	SEC	Lab Course on Descriptive Statistics & Probability Theory	-	4	20	30	50	-	2	2
2406AECT4_	AEC	Hindi-II/Marathi-II/Sanskrit-II	2	-	50	-	50	2	-	2
2406CCCT4_	CC	NSS/NCC/Yoga Education/Health & Fine Arts/Sports/ Cultural -III	2	-	50	-	50	2	-	2
Total			12	18	340	210	550	**12**	**10**	**22**

Winter Internship- 4 credits * Students internship credits will be considered for FP in Sem IV

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

B.Sc. (Information Technology) | 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
2406MJCT501	Major Core	Advance Java Programming	2	-	20	30	50	2	-	10
2406MJCT502		Web Programming-II	2	-	20	30	50	2	-	
2406MJCT503		Object Oriented Software Engineering	2	-	20	30	50	2	-	
2406MJCT504		Operating System Concepts	2	-	20	30	50	2	-	
2406MJCP505		Lab Course on Advance Java Programming	-	4	20	30	50	-	2	
2406MJCP506		Lab Course on Web Programming-II	-	4	20	30	50	-	2	
2406MJET507A	Major Elective	Data Science	2	-	20	30	50	2	-	4
2406MJEP508A		Lab Course on Data Science		4	20	30	50	-	2	
OR		OR								
2406MJET507B		Computer Graphics and Animation	-	4	20	30	50	-	2	
2406MJEP508B		Lab Course on Computer Graphics and Animation	2	-	50	-	50	2	-	
2406VSCT509	VSC	Computer Networking	2	-	50	-	50	2	-	2
2406CEPP510	FP/CEP	Field Project	2	-	50	-	50	2	-	2
2406MNRT511A	Minor	Big Data Technologies	2	-	50	-	50	2	-	
OR		OR								
2406MNRT511B		RESTful Web Services								
Total			14	14	250	300	550	**14**	**8**	**22**

Summer Internship-4 credits *Students internship credits will be considered for CEP in Sem V

B.Sc. (Information Technology) | 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
2406MJCT601	Major Core	Mobile Application Development	2		20	30	50	2		12
2406MJCT602		Digital Image Processing	2		20	30	50	2		
2406MJCT603		Software Testing	2		20	30	50	2		
2406MJCT604		Advanced Operating System	2		20	30	50	2		
2406MJCP605		Lab Course on Mobile Application Development		4	20	30	50		2	
2406MJCP606		Lab Course on Digital Image Processing		4	20	30	50		2	
2406MJET607 A	Major Elective	Data Analytics	2		20	30	50	2		4
2406MJEP608 A		Lab Course on Data Analytics		4	20	30	50		2	
OR		OR								
2406MJET607 B		Java Frameworks	2		20	30	50	2		
2406MJEP608 B		Lab Course on Java Frameworks		4	20	30	50		2	
2406VSCT609	VSC	Advance Networking	2		20	30	50	2		2
2406OJTP610 A	FP/CEP	On Job Training (120 Hrs)		2	100	-	100		4	4
Total			12	14	280	320	550	**12**	**10**	**22**

*Semester long Internship- 4 credit (Equivalent to OJT) Students being involved with public or private organizations, colleges, research and development labs, research organizations, non-governmental organizations, businesses, center's for innovation and entrepreneurship, business organizations, local industry are some examples of OJT/internship types where students will get the opportunities for active engagement in on-site experiential learning.

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

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

<table>
<tr><th colspan="11">B.Sc. (Information Technology) | SEMESTER VI</th></tr>
<tr><th rowspan="2">Subject Code</th><th rowspan="2">Course Type</th><th rowspan="2">Course Name</th><th colspan="2">Teaching Scheme Hrs/Week</th><th colspan="3">Examination Scheme and Marks</th><th colspan="3">Credits</th></tr>
<tr><th>TH</th><th>P</th><th>CCE</th><th>EE</th><th>Total</th><th>TH</th><th>P</th><th>Total</th></tr>
<tr><td>2406MJCT601</td><td rowspan="4">Major Core</td><td>Mobile Application Development</td><td>2</td><td>-</td><td>20</td><td>30</td><td>50</td><td>2</td><td>-</td><td rowspan="4">8</td></tr>
<tr><td>2406MJCT602</td><td>Digital Image Processing</td><td>2</td><td>-</td><td>20</td><td>30</td><td>50</td><td>2</td><td>-</td></tr>
<tr><td>2406MJCT603</td><td>Software Testing</td><td>2</td><td>-</td><td>20</td><td>30</td><td>50</td><td>2</td><td>-</td></tr>
<tr><td>2406MJCT604</td><td>Advanced Operating System</td><td>2</td><td>-</td><td>20</td><td>30</td><td>50</td><td>2</td><td>-</td></tr>
<tr><td>2406OJTP610B</td><td>OJT</td><td>On Job Training (360 Hrs)</td><td></td><td>2</td><td>300</td><td>-</td><td>300</td><td>-</td><td>12</td><td>12</td></tr>
<tr><td>2406MOOC611</td><td>MOOC</td><td>Any one MOOC Course</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>2</td><td>2</td></tr>
<tr><td colspan="3">Total</td><td>8</td><td>2</td><td>380</td><td>120</td><td>500</td><td>8</td><td>14</td><td>22</td></tr>
</table>

<table>
<tr><th colspan="11">B.Sc. (Information Technology) | Honors Degree: SEMESTER VII</th></tr>
<tr><th rowspan="2">Subject Code</th><th rowspan="2">Course Type</th><th rowspan="2">Course Name</th><th colspan="2">Teaching Scheme Hrs/Week</th><th colspan="3">Examination Scheme and Marks</th><th colspan="3">Credits</th></tr>
<tr><th>TH</th><th>P</th><th>CCE</th><th>EE</th><th>Total</th><th>TH</th><th>P</th><th>Total</th></tr>
<tr><td>2406MJCT701</td><td rowspan="5">Major Core</td><td>Web Techniques</td><td>4</td><td>-</td><td>40</td><td>60</td><td>100</td><td>4</td><td>-</td><td rowspan="5">14</td></tr>
<tr><td>2406MJCT702</td><td>Software Testing Tools</td><td>4</td><td>-</td><td>40</td><td>60</td><td>100</td><td>4</td><td>-</td></tr>
<tr><td>2406MJCT703</td><td>Cloud Computing</td><td>2</td><td>-</td><td>20</td><td>30</td><td>50</td><td>2</td><td>-</td></tr>
<tr><td>2406MJCP704</td><td>Lab Course on Web Techniques</td><td>-</td><td>4</td><td>20</td><td>30</td><td>50</td><td>-</td><td>2</td></tr>
<tr><td>2406MJCP705</td><td>Lab Course on Software Testing Tools</td><td>-</td><td>4</td><td>20</td><td>30</td><td>50</td><td>-</td><td>2</td></tr>
<tr><td>2406MJET706A</td><td rowspan="5">Major Elective</td><td>Machine Learning</td><td>2</td><td>-</td><td>20</td><td>30</td><td>50</td><td>2</td><td>-</td><td rowspan="5">4</td></tr>
<tr><td>2406MJEP707A</td><td>Lab Course on Machine Learning</td><td>-</td><td>4</td><td>20</td><td>30</td><td>50</td><td>-</td><td>2</td></tr>
<tr><td>OR</td><td>OR</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr>
<tr><td>2406MJET706B</td><td>DOT NET Framework</td><td>2</td><td>-</td><td>20</td><td>30</td><td>50</td><td>2</td><td>-</td></tr>
<tr><td>2406MJEP707B</td><td>Lab Course on DOT NET Framework</td><td>-</td><td>4</td><td>20</td><td>30</td><td>50</td><td>-</td><td>2</td></tr>
<tr><td>2406MNRT708</td><td>Minor</td><td>Research Methodology</td><td>4</td><td>-</td><td>100</td><td>-</td><td>100</td><td>4</td><td>-</td><td>4</td></tr>
<tr><td colspan="3">Total</td><td>16</td><td>12</td><td>220</td><td>330</td><td>550</td><td>16</td><td>6</td><td>22</td></tr>
</table>

Subject Code	Course Type	Course Name	Teaching Scheme Hrs/Week		Examination Scheme and Marks			Credits		
		B.Sc. (Information Technology) | Honors Degree: SEMESTER VIII								
			TH	P	CCE	EE	Total	TH	P	Total
2406MJCT801	Major Core	Full Stack Development (MERN)	4	-	40	60	100	4	-	14
2406MJCT802		Design and Analysis of Algorithm	4	-	40	60	100	4	-	
2406MJCT803		Block chain Technology	2	-	20	30	50	2	-	
2406MJCP804		Lab Course on Full Stack Development (MERN)	-	4	20	30	50	-	2	
2406MJCP805		Lab Course on Design and Analysis of Algorithm	-	4	20	30	50	-	2	
2406MJCT806A	Major Elective	Introduction to Artificial Intelligence	2	-	20	30	50	2		4
2406MJCP807A		Lab Course on Artificial Intelligence	-	4	20	30	50	-	2	
OR		OR								
2406MJCT806B		ASP DOT NET	2	-	20	30	50	2	-	
2406MJCP807B		Lab Course on ASP DOT NET	-	4	20	30	50	-	2	
2406RPP808A	OJT/ Research Project	Research Project	-	2	100	-	100	-	4	4
		Total	14	14	280	270	550	**12**	**10**	**22**

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

Subject Code	Course Type	Course Name	Teaching Scheme Hrs/Week		Examination Scheme and Marks			Credits		
		B.Sc. (Information Technology) | Honors Degree: SEMESTER VIII								
			TH	P	CCE	EE	Total	TH	P	Total
2406MJCT801	Major Core	Full stack Development (MERN)	4	-	40	60	100	4	-	10
2406MJCT802		Design and Analysis of Algorithm	4	-	40	60	100	4	-	
2406MJCT803		Blockchain Technology	2	-	20	30	50	2	-	
2406RPP808B	OJT/ Research Project	On Job Training (360 Hrs)		2	300	-	300	-	12	12
		Total	10	2	400	150	550	**10**	**12**	**22**

Departmental Activities

- ITFest Week-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

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

www.mitacsc.ac.in