Symbiosis Institute of Technology, Hyderabad
Bachelor of Technology in Computer Science and Engineering (Artificial Intelligence and Machine Learning)
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<table>
<tr><td>1.</td><td>OBJECTIVE</td><td colspan="4">B. Tech CSE (AIML) is a full-time four-year graduation programme, which aims at transforming a student into a technically sound professional. The syllabus contains courses on basic sciences, technical arts, humanities & liberal arts and professional courses. The mix of these courses has been evolved with an aim to produce professionals who have knowledge not only of Engineering but who are good managers to contribute in a cross-functional team and have human values. Being a professional programme, it ensures a healthy balance between theoretical foundation and practical exposure to the present-day world. The emphasis is to develop all round personality that would enable the students to take up the challenges of the corporate world and also become responsible citizens of the society. Design a robust curriculum that integrates fundamental computer science principles with advanced AIML topics, ensuring alignment with industry standards and emerging technologies.
Equip students with essential technical skills in programming, data analysis, machine learning frameworks, and AI tools, preparing them for a competitive job market.</td></tr>
<tr><td>2.</td><td>DURATION (IN MONTHS)</td><td colspan="4">48 (Full Time)</td></tr>
<tr><td>3.</td><td>INTAKE</td><td colspan="4">60</td></tr>
<tr><td rowspan="4">4.</td><td rowspan="4">RESERVATION</td><td rowspan="2">I.Within the sanctioned intake</td><td>a) SC
(In Percentage)</td><td>b) ST
(In Percentage)</td><td>c) Differently abled
(In Percentage)</td></tr>
<tr><td>15</td><td>7.5</td><td>3</td></tr>
<tr><td rowspan="2">II.Over and above the sanctioned intake</td><td colspan="2">a) Kashmiri Migrants
(In Seats)</td><td colspan="2">b) International Students
(In Percentage)</td></tr>
<tr><td colspan="2">2</td><td colspan="2">25</td></tr>
<tr><td>5.</td><td>ELIGIBILITY</td><td colspan="4">Passed 10+2 examination with Physics and Mathematics as compulsory subjects along with one of Chemistry/ Computer Science/Electronics/ Information Technology/Biology/Informatics Practices/ Biotechnology/Technical Vocational subject/ Agriculture/Engineering Graphics/Business Studies /Entrepreneurship Obtained at least 45% marks (40% marks in case of candidates belonging to reserved category) in the above subjects taken together.</td></tr>
</table>

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		OR Passed D.Voc. Stream in the same or allied sector. (The University will offer suitable bridge courses such as Mathematics, Physics, Engineering drawing, etc., for the students coming from diverse backgrounds to prepare Level playing field and desired learning outcomes of the programme).			
6.	**SELECTION PROCEDURE**	Merit list by valid score of Symbiosis Entrance Test (SITEEE) or Joint Entrance Examination (JEE - Main) or Any State Government Engineering Entrance Examination.			
7.	**MEDIUM OF INSTRUCTION**	English			
8.	**PROGRAMME PATTERN**	Semester			
9.	**COURSE & SPECIALISATION**	Annexure A: Bachelor of Technology in Computer Science and Engineering (Artificial Intelligence and Machine Learning)			
10.	**FEE**		**Academic Fee p.a**	**Institute Deposit**	**Total**
	Indian Students (Amount in INR)		297000	20000	317000
	International Students	**NRI/ PIO/ OCI Category (Amount in US$)**	4200	275	4475
		Foreign National Category (Amount in US$)	1300	275	1575
11.	**ASSESSMENT**	The theory courses will have 40% Continuous Assessment and 60% Term End [University] examination, Lab courses (Practical) will have			

		60% Continuous Assessment and 40% Term End [University] examination however, some courses (not more than 30% of the total programme credits) may have 100% Continuous Assessment.
12.	**STANDARD OF PASSING**	The assessment of the student for each examination is done, based on relative performance. Maximum Grade Point (GP) is 10 corresponding to O (Outstanding). For all courses, a student is required to pass both Continuous Assesment and Term End [University] examination separately with a minimum Grade Point of 4 corresponding to Grade P. Students securing less than 40% absolute marks in each head of passing will be declared FAIL. The University awards a degree to the student who has achieved a minimum CGPA of 4 out of maximum of 10 CGPA for the programme.
13.	**AWARD OF DEGREE**	Bachelor of Technology Computer Science and Engineering (Artificial Intelligence and Machine Learning) will be awarded at the end of the semester 8 examination by taking into consideration the performance of all semester examinations after obtaining a minimum 4.00 CGPA out of 10 CGPA.

14. CLASSIFICATION OF CREDITS

Semester	Basic Sciences	Engineering Sciences	Professional Core	Professional Elective	Humanities and Social Sciences including Management	Multidisciplinary Open Electives	Project/ Internship/ Seminar	Indian Knowledge System	Total Credits	No. of Mandatory Non-Credit Course/s	No. of Non-Credit Audit Course/s
Track 1											
1	6	10	0	0	2	0	0	2	20	0	As per the student's choice
2	11	4	1	0	4	0	0	0	20	1 *	
3	3	0	15	0	2	0	0	0	20	1 *	
4	3	0	10	0	2	3	2	0	20	2 *	
5	0	0	13	4	2	3	0	0	22	2 *	
6	0	0	14	3	0	3	2	0	22	1 *	
7	0	0	9	9	0	0	4	0	22	0	
8	0	0	0	0	0	0	14	0	14	0	
Total	**23**	**14**	**62**	**16**	**12**	**9**	**22**	**2**	**160**	**0**	
Track 2											
1	6	10	0	0	2	0	0	2	20	0	As per the student's choice
2	11	4	1	0	4	0	0	0	20	1 *	
3	3	0	15	0	2	0	0	0	20	1 *	
4	3	0	10	0	2	3	2	0	20	2 *	
5	0	0	13	4	2	3	0	0	22	2 *	
6	0	0	14	3	0	3	2	0	22	1 *	
7	0	0	9	9	0	0	4	0	22	0	
8	0	0	0	0	0	0	14	0	14	0	
Total	**23**	**14**	**62**	**16**	**12**	**9**	**22**	**2**	**160**	**0**	

* Satisfactory completion of non credit courses 'Health and Wellness' and '*Vasudhaiva Kutumbakam*' is mandatory for award of degree.
Additional Note: #Health and Wellness Module I and Module II will be conducted during the semesters mentioned in the programme structure. However, the course will be listed on the students' grade sheets as "Health and Wellness" in the semester in which the institute's course code is officially assigned.

This Programme Structure is aligned with the norms laid down by the University and is approved by the Academic Council and Executive Council.
Hereafter changes (if any) which conform to the policy on "Curriculum Development and Review" would be permissible, subject to revision of the Programme Structure, following the specified processes.

Director - Academics

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Catalog Course Code	Course Code	Course Title	Nature	Specialisation/ Area/ Department	Teaching Scheme (Hours Per Week)			Examination Scheme (Marks)				Total Credits	Total
								Practical		Theory			
					L	T	Lab	CA	ESE	CA	ESE		
Semester : 1													
Generic Core Courses													
TE7697	0707250101	Linear Algebra	BS		2	1	0	0	0	30	45	3	75
TE7545	0707250102	Chemistry	BS		2	0	0	0	0	20	30	2	50
TE7695	0707250103	Chemistry Lab	BS		0	0	2	15	10	0	0	1	25
TEE7307	0707250104	Digital Electronics and Logic Design	ES		2	0	2	15	10	20	30	3	75
TE7288	0707250105	Programming in C	ES		3	0	0	0	0	30	45	3	75
TE7289	0707250106	Programming in C Lab	ES		0	0	2	15	10	0	0	1	25
TM2278	0707250107	Introduction to Environment and Sustainability	ES		0	0	2	15	10	0	0	1	25
TEE7305	0707250108	Tinker Lab for Computer Science	ES		0	0	2	50	0	0	0	2	50
T2646	0707250109	Entrepreneurship Venture	HS		1	0	0	0	0	25	0	1	25
T6732	0707250110	Critical Thinking	HS		1	0	0	0	0	25	0	1	25
THM6144	0707250111	Indian Knowledge Systems	IKS		2	0	0	0	0	50	0	2	50
				Total	**13**	**1**	**10**	**110**	**40**	**200**	**150**	**20**	**500**
Semester : 2													
Generic Core Courses													
TE7543	0707250201	Calculus	BS		2	1	0	0	0	30	45	3	75
TE7690	0707250202	Statistics for Data Science	BS		3	1	0	0	0	40	60	4	100
TE7687	0707250203	Physics Lab	BS		0	0	2	15	10	0	0	1	25

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								Practical		Theory			
					L	T	Lab	CA	ESE	CA	ESE		
TE7684	0707250204	Physics for Computer Engineers	BS		3	0	0	0	0	30	45	3	75
TEE7093	0707250205	Introduction to Artificial Intelligence and Python Programming	ES		3	0	0	0	0	30	45	3	75
TEE7092	0707250206	Introduction to Artificial Intelligence and Python Programming Lab	ES		0	0	2	15	10	0	0	1	25
TEE7296	0707250207	Object Oriented Programming	PC		0	0	2	15	10	0	0	1	25
T6479	0707250208	Self Management I	HS		2	0	0	0	0	20	30	2	50
T6873	0707250209	Creative Thinking	HS		1	0	0	0	0	25	0	1	25
THM6150	0707250210	Technical and Professional Communication Skills	HS		0	0	2	15	10	0	0	1	25
TEE7265	0707250211	Career Essentials - I *			0	0	0	0	0	0	0	Mandatory Non-Credit Course	0
TH4788		Health and Wellness Module I #			0	0	0	0	0	0	0	0	0
Total					**14**	**2**	**8**	**60**	**40**	**175**	**225**	**20**	**500**
Semester : 3													
Generic Core Courses													
TE7539	0707250301	Probability and random processes	BS		2	1	0	0	0	30	45	3	75

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								Practical		Theory			
					L	T	Lab	CA	ESE	CA	ESE		
TE7544	0707250302	Data Structures and Algorithms	PC		3	0	0	0	0	30	45	3	75
TE7546	0707250303	Data Structures and Algorithms Lab	PC		0	0	4	30	20	0	0	2	50
T7486	0707250304	Data Base Management Systems	PC		2	0	4	30	20	20	30	4	100
T7487	0707250305	Data Base Management Systems Lab	PC		0	0	4	30	20	0	0	2	50
TEE7034	0707250306	Data Preprocessing and EDA Lab	PC		0	0	4	30	20	0	0	2	50
F0002	0707250307	Flexi-Credit Course	PC		2	0	0	50	0	0	0	2	50
T6749	0707250308	Design Thinking	HS		2	0	0	0	0	50	0	2	50
P4781	0707250309	Career Essentials - II *			0	0	0	0	0	0	0	Mandatory Non-Credit Course	0
TH4789		Health and Wellness Module II #			0	0	0	0	0	0	0	0	0
Total					**11**	**1**	**16**	**170**	**80**	**130**	**120**	**20**	**500**
Semester : 4													
Generic Core Courses													
TE7696	0707250401	Discrete Mathematics	BS		2	1	0	0	0	30	45	3	75
T7998	0707250402	Operating Systems	PC		4	0	0	0	0	40	60	4	100
T7511	0707250403	Operating Systems Lab	PC		0	0	2	15	10	0	0	1	25
TEE7037	0707250404	Machine Learning	PC		4	0	0	0	0	40	60	4	100

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								Practical		Theory			
					L	T	Lab	CA	ESE	CA	ESE		
TE7105	0707250405	Machine Learning Lab	PC		0	0	2	15	10	0	0	1	25
T6774	0707250406	Principles of Economics	HS		2	0	0	0	0	50	0	2	50
TE7290	0707250407	Project Based Learning -I	PIS		0	0	4	50	0	0	0	2	50
T4005	0707250408	Integrated Disaster Management *			0	0	0	0	0	0	0	0	0
SMC003	0707250409	Health and Wellness *			0	0	0	0	0	0	0	Mandatory Non-Credit Course	0
P4782	0707250410	Career Essentials - III *			0	0	0	0	0	0	0	Mandatory Non-Credit Course	0
				Total	**12**	**1**	**8**	**80**	**20**	**160**	**165**	**17**	**425**
Multidisciplinary Open Elective Courses (Choose any one course)													
T7507	0707250411	Object Oriented Analysis and Design	MOPE		2	1	0	0	0	30	45	3	75
TE7253	0707250412	Data Science	MOPE		2	1	0	0	0	30	45	3	75
TEE7115	0707250413	Basics of Linux System for Cloud Computing	MOPE		2	1	0	0	0	30	45	3	75
TE7299	0707250414	Theory of Computation	MOPE		2	1	0	0	0	30	45	3	75

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								Practical		Theory			
					L	T	Lab	CA	ESE	CA	ESE		
TE7251	0707250415	Computer Graphics	MOPE		2	1	0	0	0	30	45	3	75
T7078	0707250416	Software Product Line Management	MOPE		2	1	0	0	0	30	45	3	75
TE7024	0707250417	Web Technologies	MOPE		2	1	0	0	0	30	45	3	75
TEE7018	0707250418	Engineering Simulation and Modeling Tools	MOPE		2	1	0	0	0	30	45	3	75
TEE7113	0707250419	Artificial Intelligence for IoT	MOPE		2	1	0	0	0	30	45	3	75
TE7351	0707250420	3D Printing and Prototyping	MOPE		2	1	0	0	0	30	45	3	75
TE7978	0707250421	Battery Management Systems	MOPE		2	1	0	0	0	30	45	3	75
T7499	0707250422	Java	MOPE		2	1	0	0	0	30	45	3	75
TE7881	0707250423	Robotic Process Automation	MOPE		2	1	0	0	0	30	45	3	75
Total Required Credits								**0**	**0**	**30**	**45**	**3**	**75**
Semester : 5													
Generic Core Courses													
T8000	0707250501	Service Learning	HS		0	0	4	50	0	0	0	2	50
TE7753	0707250502	Deep Learning	PC		3	0	0	0	0	30	45	3	75
TE7754	0707250503	Deep Learning Lab	PC		0	0	2	15	10	0	0	1	25
TE7276	0707250504	Natural Language Processing	PC		3	0	0	0	0	30	45	3	75
TE7277	0707250505	Natural Language Processing Lab	PC		0	0	2	15	10	0	0	1	25
TE7663	0707250506	Data Visualization Lab	PC		0	0	4	30	20	0	0	2	50
T3534	0707250507	Computer Organization	PC		2	0	0	0	0	20	30	2	50

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								Practical		Theory			
					L	T	Lab	CA	ESE	CA	ESE		
TEE7033	0707250508	AI Ethics	PC		1	0	0	25	0	0	0	1	25
SMC001	0707250509	*Vasudhaiva Kutumbakam* *			0	0	0	0	0	0	0	Mandatory Non-Credit Course	0
P4784	0707250510	Career Essentials - IV *			0	0	0	0	0	0	0	Mandatory Non-Credit Course	0
				Total	**9**	**0**	**12**	**135**	**40**	**80**	**120**	**15**	**375**
Programme Elective Courses (Choose any one course)													
T3843	0707250511	Cyber Security, Data Privacy and Forensics for Banks	PE		3	0	2	25	0	75	0	4	100
TE7020	0707250512	Wireless Sensor Networks	PE		3	0	2	25	0	75	0	4	100
TE7268	0707250513	Introduction to IOT	PE		3	0	2	25	0	75	0	4	100
TE7010	0707250514	Data Warehousing and Mining	PE		3	0	2	25	0	75	0	4	100
T3752	0707250515	Fog Computing and Edge Computing	PE		3	0	2	25	0	75	0	4	100
T3578	0707250516	Image Processing	PE		3	0	2	25	0	75	0	4	100

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								Practical		Theory			
					L	T	Lab	CA	ESE	CA	ESE		
Total Required Credits								**25**	**0**	**75**	**0**	**4**	**100**
Multi-disciplinary Open Elective Courses (Choose any one course)													
TE7677	0707250517	Financial Mathematics	MOPE	Applied Science	2	1	0	0	0	30	45	3	75
TE7700	0707250518	Smart Materials	MOPE	Applied Science	2	1	0	0	0	30	45	3	75
TE7223	0707250519	Smart Urban Planning	MOPE	Civil Engineering	2	1	0	0	0	30	45	3	75
TE7240	0707250520	Water Resource Planning and Management	MOPE	Civil Engineering	2	1	0	0	0	30	45	3	75
TEE7039	0707250521	Cryptography and Network Security	MOPE	Computer Science and Engineering	2	1	0	0	0	30	45	3	75
TE7750	0707250522	Web Application Development	MOPE	Computer Science and Engineering	2	1	0	0	0	30	45	3	75
TEE7155	0707250523	Network and Cyber Forensics	MOPE	Electronics and Telecommunication Engineering	2	1	0	0	0	30	45	3	75
T7650	0707250524	Six Sigma	MOPE	Mechanical Engineering	2	1	0	0	0	30	45	3	75
TE7810	0707250525	Industrial Revolution and Introduction of Industry 5.0	MOPE	Mechanical Engineering	2	1	0	0	0	30	45	3	75
Total Required Credits								**0**	**0**	**30**	**45**	**3**	**75**
Semester : 6													
Generic Core Courses													

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								Practical		Theory			
					L	T	Lab	CA	ESE	CA	ESE		
TE7484	0707250601	Computer Vision	PC		3	0	0	0	0	30	45	3	75
TE7485	0707250602	Computer Vision Lab	PC		0	0	2	15	10	0	0	1	25
TE7552	0707250603	Big Data Analytics	PC		3	0	0	0	0	30	45	3	75
TE7554	0707250604	Big Data Analytics Lab	PC		0	0	2	15	10	0	0	1	25
F0003	0707250605	Flexi-Credit Course	PC		2	0	1	25	0	50	0	3	75
T7908	0707250606	Computer Networks	PC		3	0	0	0	0	30	45	3	75
TE7291	0707250607	Project Based Learning-II	PIS		0	0	4	50	0	0	0	2	50
P4785	0707250608	Career Essentials - V *			0	0	0	0	0	0	0	Mandatory Non-Credit Course	0
				Total	**11**	**0**	**9**	**105**	**20**	**140**	**135**	**16**	**400**
Programme Elective Courses (Choose any one course)													
T3716	0707250609	Generative Adversarial Networks	PE		3	0	0	0	0	30	45	3	75
TE7565	0707250610	Reinforcement Learning	PE		3	0	0	0	0	30	45	3	75
TE7261	0707250611	Internet of Things	PE		3	0	0	0	0	30	45	3	75
TEE7031	0707250612	Optimization Techniques for Machine Learning	PE		3	0	0	0	0	30	45	3	75

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								Practical		Theory			
					L	T	Lab	CA	ESE	CA	ESE		
TE7562	0707250613	Speech Systems	PE		3	0	0	0	0	30	45	3	75
TE7943	0707250614	Full Stack Development	PE		3	0	0	0	0	30	45	3	75
TE7536	0707250615	Embedded AI	PE		3	0	0	0	0	30	45	3	75
Total Required Credits								**0**	**0**	**30**	**45**	**3**	**75**
Multi-disciplinary Open Elective Courses (Choose any one course)													
TE7698	0707250616	Nanotechnology	MOPE	Applied Science	3	0	0	0	0	30	45	3	75
TE7676	0707250617	Executive Corporate Communication For Impact	MOPE	Applied Science	3	0	0	0	0	30	45	3	75
TE7195	0707250618	GIS Applications	MOPE	Civil Engineering	3	0	0	0	0	30	45	3	75
TE7203	0707250619	Intelligent Transportation Management	MOPE		3	0	0	0	0	30	45	3	75
TE7297	0707250620	Software Testing Tools	MOPE	Computer Science and Engineering	3	0	0	0	0	30	45	3	75
TE7756	0707250621	Open Source Technologies	MOPE	Computer Science and Engineering	3	0	0	0	0	30	45	3	75
T7584	0707250622	Printed Circuit Board (PCB) Design	MOPE	Electronics and Telecommunication Engineering	3	0	0	0	0	30	45	3	75
TE7334	0707250623	Introduction to Mechatronics	MOPE	Electronics and Telecommunication Engineering	3	0	0	0	0	30	45	3	75

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								Practical		Theory			
					L	T	Lab	CA	ESE	CA	ESE		
TE7804	0707250624	Design Optimization Techniques	MOPE	Mechanical Engineering	3	0	0	0	0	30	45	3	75
TE7351	0707250625	3D Printing and Prototyping	MOPE	Mechanical Engineering	3	0	0	0	0	30	45	3	75
TE7688	0707250626	Statistics and Numerical Methods in Robotics	MOPE	Applied Science	3	0	0	0	0	30	45	3	75
TEE7274	0707250627	Large Language Models	MOPE	Artificial Intelligence and Machine Learning	3	0	0	0	0	30	45	3	75
TEE7261	0707250628	AI System Engineering and Ethics	MOPE	Artificial Intelligence and Machine Learning	3	0	0	0	0	30	45	3	75
Total Required Credits								**0**	**0**	**30**	**45**	**3**	**75**
Semester : 7													
Track-1 Generic Core Courses													
TE7948	0707250701	Introduction to Cloud Computing	PC		3	0	0	0	0	30	45	3	75
TEE7145	0707250702	Introduction to Cloud Computing Lab	PC		0	0	2	15	10	0	0	1	25
T3533	0707250703	Software Project	PC		2	0	0	0	0	20	30	2	50
F0003	0707250704	Flexi-Credit Course	PC		2	0	2	50	0	25	0	3	75
F0002	0707250705	Flexi-Credit Course	PE		2	0	0	50	0	0	0	2	50
T7804	0707250706	B.Tech Project	PIS		0	0	8	60	40	0	0	4	100
Total Required Credits								**175**	**50**	**75**	**75**	**15**	**375**
Programme Elective Courses Group - I (Choose any one course)													

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Catalog Course Code	Course Code	Course Title	Nature	Specialisation/ Area/ Department	Teaching Scheme (Hours Per Week)			Examination Scheme (Marks)				Total Credits	Total
								Practical		Theory			
					L	T	Lab	CA	ESE	CA	ESE		
TE7534	0707250707	Healthcare informatics	PE		3	0	0	0	0	30	45	3	75
TEE7094	0707250708	Graph Neural Networks	PE		3	0	0	0	0	30	45	3	75
TEE7134	0707250709	Drones in IoT	PE		3	0	0	0	0	30	45	3	75
TE7560	0707250710	Robotic Process Automation	PE		3	0	0	0	0	30	45	3	75
TE7532	0707250711	Smart Society	PE		3	0	0	0	0	30	45	3	75
TE7533	0707250712	AI for Banking and Finance	PE		3	0	0	0	0	30	45	3	75
Total Required Credits								**0**	**0**	**30**	**45**	**3**	**75**
Programme Elective Courses Group - II (Choose any one course)													
T3779	0707250713	Health Care Analytics	PE		3	0	2	25	0	75	0	4	100
T7055	0707250714	Advanced Computing	PE		3	0	2	25	0	75	0	4	100
T3839	0707250715	Blockchain Technologies	PE		3	0	2	25	0	75	0	4	100
TEE7022	0707250716	Natural Language and Responsive AI	PE		3	0	2	25	0	75	0	4	100
TE7016	0707250717	Big Data Stores	PE		3	0	2	25	0	75	0	4	100
T7065	0707250718	Human Computer Interaction	PE		3	0	2	25	0	75	0	4	100
Total Required Credits								**25**	**0**	**75**	**0**	**4**	**100**
Track-2 Generic Core Courses													
T7804	0707250719	B.Tech Project	PE		0	0	8	60	40	0	0	4	100

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Catalog Course Code	Course Code	Course Title	Nature	Specialisation/ Area/ Department	Teaching Scheme (Hours Per Week)			Examination Scheme (Marks)				Total Credits	Total
								Practical		Theory			
					L	T	Lab	CA	ESE	CA	ESE		
T7805	0707250720	Seminar	PE		0	0	10	75	50	0	0	5	125
F0003	0707250721	Flexi-Credit Course	PE		0	0	6	75	0	0	0	3	75
T2910	0707250722	Internship	PIS		0	0	20	250	0	0	0	10	250
Total Required Credits								**460**	**90**	**0**	**0**	**22**	**550**
Semester : 8													
Generic Core Courses													
T7912	0707250801	Internship	PIS		0	0	24	180	120	0	0	12	300
T7802	0707250802	Seminar	PIS		0	0	4	30	20	0	0	2	50
Total					**0**	**0**	**28**	**210**	**140**	**0**	**0**	**14**	**350**

Abbreviations (Nature)	Description
BS	Basic Sciences
ES	Engineering Sciences
PC	Professional Core
PE	Professional Elective
HSMC	Humanities and Social Sciences including Management
MOPE	Multidisciplinary Open Electives
PIS	Project, Internship, Seminar
IKS	Indian Knowledge System
L	Lecture
MC	Mandatory Course
T	Tutorial
CA	Continuous Assessment
ESE	End Semester Examination
LAB	Laboratory

Track 1 (T1): For Regular Students
Track 2 (T2): For Students opting for Internship/ Entrepreneurship

Definition:
Honours: Students have the option to pursue an "Honours" degree by completing an additional 20 credits within their major discipline, focusing on more advanced, specialised, emerging, or multidisciplinary courses beyond the standard requirements of the B.Tech degree.

Minors: Students have the option to pursue a "Minor" by completing 18 credits in a discipline/ specialisation other than their major discipline beyond the standard requirements of the B.Tech. Degree.

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Semester	Continuous Assessment	Term End Examination	Total Credits	Total Marks
Track 1				
Semester 1	6	14	20	500
Semester 2	2	18	20	500
Semester 3	4	16	20	500
Semester 4	4	16	20	500
Semester 5	7	15	22	550
Semester 6	5	17	22	550
Semester 7	9	13	22	550
Semester 8	0	14	14	350
Total	**37**	**123**	**160**	**4000**
Track 2				
Semester 1	6	14	20	500
Semester 2	2	18	20	500
Semester 3	4	16	20	500
Semester 4	4	16	20	500
Semester 5	7	15	22	550
Semester 6	5	17	22	550
Semester 7	13	9	22	550
Semester 8	0	14	14	350
Total	**41**	**119**	**160**	**4000**