



BENNETT
UNIVERSITY
THE TIMES GROUP

PROGRAM STRUCTURE

**Bachelor of Technology (Computer Science Engineering) in AI Techniques and
ML Algorithms**

Powered by L&T EduTech

Duration: 4 Years

Batch: 2026-2030

**School of Computer Science Engineering and
Technology, Bennett University**

Semester: I

S. No.	Course Name	Course Code	Credit	L	T	P
1	IT World Essentials: Your Digital Entry point (to be delivered by L & T EduTech)	AILT101 (temp)	3	3	0	0
2	Engineering Calculus	EMAT101L	4	3	1	0
3	Electromagnetics and Mechanics	EPHY111L	5	3	1	2
4	Environment and Sustainability	CSET108	3	3	0	0
5	Foundations of Innovation and Entrepreneurship	CSET110	0	1	0	0
Total Credits			15	13	2	2
*CSET102, CSET103, CSET108 and EPHY111L will be run in both Sem-I and Sem-II. Half of CSE students will get CSET102 + CSET103 and other half (CSET108+EPHY111L) in Semester - I and vice versa in Semester - II.						

Semester: II

S. No.	Course Name	Course Code	Credit	L	T	P
1	Object Oriented Programming using Java	CSET109	6	3	1	4
2	Digital Design	CSET105	4	3	0	2
3	Python for Machine Learning (to be delivered by L & T EduTech)	AILT102 (temp)(course code to be finalized in BoS)	3	3	0	0
4	Linear Algebra and Ordinary Differential Equations	EMAT102L	4	3	1	0
5	New Age Life Skills	CSET103	2	2	0	0
6	Introduction to Electrical and Electronics Engineering	CSET102	4	2	1	2
Total Credits			23	16	3	8

Semester: III

S. No.	Course Name	Course Code	Credit	L	T	P
1	Information Management Systems	CSET201	4	3	0	2
2	Data Structures using C++	CSET243	7	3	1	6
4	Probability and Statistics	CSET240	5	3	1	2
5	Software Engineering	CSET205	4	3	0	2

6	Ethics for Engineers, Patents, Copyrights and IPR	CSET208	1	1	0	0
7	Hands-On Machine Learning with Python: From Data Prep to Model Building (to be delivered by L & T EduTech)	AILT201 (temp) (course code to be finalized in BoS)	4	3	0	2
Total Credits			25	16	2	14

Semester: IV

S. No.	Course Name	Course Code	Credit	L	T	P
1	Microprocessors and Computer Architecture	CSET203	4	3	0	2
2	Design and Analysis of Algorithms	CSET244	7	3	1	6
3	Computer Networks	CSET207	4	3	0	2
4	Operating Systems	CSET209	4	3	0	2
5	Design Thinking & Innovation	CSET210	2	0	0	4
6	Deep Learning and GenAI Basics (to be delivered by L & T EduTech)	AILT202 (temp) (course code to be finalized in BoS)	4	3	0	2
Total Credits			25	15	1	18
*For AI Specialization students CSET312 will run in sem IV and (Specialization Core-II+CSET208) will run in Semester V						
1	Refresher Course for Industry Career	CSET398				

Semester: V

S. No.	Course Name	Course Code	Credit	L	T	P
1	Artificial Intelligence and Machine Learning	CSET312	6	3	1	4
2	Automata Theory and Computability	CSET302	4	3	1	0
3	High Performance Computing	CSET305	4	3	0	2
4	Seminar on Special Topics in Emerging Areas	CSET303	1	0	1	0
5	Competitive Programming	CSET304	2	0	0	4
6	Hadoop Ecosystem with HDFS and MapReduce (to be delivered by L & T EduTech)	AILT301 (temp) (course code to be finalized in BoS)	3	3	0	0
7	Elective - II		3	2	0	2
8	Open Elective - I		3	3	0	0
Total Credits			26	17	3	12

Semester: VI

S. No.	Course Name	Course Code	Credit	L	T	P
1	Undergraduate Research in Computer Science Engineering	CSET306	1	0	1	0
2	HSS - Elective		3	3	0	0
3	Project Work – The AI Capstone: Exploring Data to Deep Learning (to be delivered by L & T EduTech)	AILT302 (course code to be finalized in BoS)	6	0	0	12
4	Elective - IV		3	2	0	2
5	Open Elective - II		3	3	0	0
6	Elective - V		3	2	0	2
7	Open Elective-III		3	3	0	0
Total Credits			22	13	1	16
1	Summer Internship	CSET399				

Semester: VII

S. No.	Course Name	Course Code	Credit	L	T	P
1	Capstone Project	CSET402	6	0	0	12
2	Specialization Elective – VI		3	2	0	2
3	Open Elective - IV		3	3	0	0
Total Credits			12	5	0	14
OR						
1	Professional Practical Internship	CSET497	12	0	0	24

Semester: VIII

S. No.	Course Name	Course Code	Credit	L	T	P
1	Industrial Project/R&D Project/Start-up Project	CSET499	12	0	0	24
Total Credits			12	0	0	24

General Electives (Elective II, IV, V)

S. No.	Course Name	Course Code	Credit	L	T	P
1	Current Technology Project	CSET319	3	2	0	2
2	Information Retrieval	CSET320	3	2	0	2
3	User Centered Design	CSET321	3	2	0	2
4	Secure Coding	CSET322	3	2	0	2
5	Compiler Construction	CSET323	3	2	0	2
6	Software Project Management	CSET324	3	2	0	2
7	Digital Communication	CSET325	3	2	0	2
8	Soft Computing	CSET326	3	2	0	2

9	Embedded Systems	CSET327	3	2	0	2
10	Distributed Computing	CSET328	3	2	0	2
11	Engineering Optimization	CSET329	3	2	0	2
12	Wireless Networks	CSET330	3	2	0	2
13	Combinatorics	CSET331	3	2	0	2
14	Mobile and Networked Embedded Systems	CSET332	3	2	0	2
15	Problem Solving using C	CSET333	3	2	0	2
16	Programming using C++	CSET334	3	2	0	2
17	Deep Learning	CSET335	3	2	0	2
18	Bioinformatics and Computational Genomics	CSET336	3	2	0	2
19	Computational Geometry	CSET338	3	2	0	2
20	Advances in AI	CSET339	3	2	0	2
21	Image and Video Processing	CSET344	3	2	0	2
22	Natural Language Processing	CSET346	3	2	0	2
23	Reinforcement Learning	CSET348	3	2	0	2
24	Cloud Infrastructure and Services	CSET358	3	2	0	2
25	Forensics and Cyber Law	CSET364	3	2	0	2
26	Satellite Data Analysis	CSET373	3	2	0	2
27	Game Mechanics and Game Physics	CSET377	3	2	0	2
28	Game Programming with HTML5	CSET378	3	2	0	2
29	AI for Games	CSET379	3	2	0	2
30	Android Application using Kotlin	CSET393	3	2	0	2
31	Modern and Contemporary Application in CS	CSET394	3	2	0	2
32	Latest Advances in Engineering and Technology	CSET395	3	2	0	2
33	Emerging Topics in Mobile Technologies	CSET403	3	2	0	2
34	Emerging Topics in Product Design Technology	CSET404	3	2	0	2
35	Emerging Topics in Augmented & Virtual Reality	CSET405	3	2	0	2
36	Emerging Topics in IoT and Robotics	CSET406	3	2	0	2
37	Emerging Topics in Quantum Computing	CSET407	3	2	0	2
38	Emerging Topics in Drone Technology	CSET408	3	2	0	2
39	Emerging Topics in Cloud Computing	CSET409	3	2	0	2
40	Emerging Topics in Full Stack	CSET410	3	2	0	2
41	Emerging Topics in DevOps	CSET411	3	2	0	2
42	Emerging Topics in RPA	CSET412	3	2	0	2
43	Emerging Topics in Gaming	CSET413	3	2	0	2
44	Emerging Topics in Data Science	CSET414	3	2	0	2
45	Emerging Topics in Cyber Security	CSET415	3	2	0	2

46	Emerging Topics in Blockchain	CSET416	3	2	0	2
47	Emerging Topics in Artificial Intelligence	CSET417	3	2	0	2
48	IoT: Security and Attacks	CSET420	3	2	0	2
49	Virtual Reality: Interface, Application and Design	CSET427	3	2	0	2
50	Network Drivers and Protocols	CSET429	3	2	0	2
51	Digital Signal Processing	CSET430	3	2	0	2
52	Special Topics in Computer Science	CSET431	3	2	0	2
53	Advanced Microprocessor	CSET432	3	2	0	2
54	Software Craftsmanship in DevOps	CSET451	3	2	0	2
55	Agile Software Development	CSET455	3	2	0	2
56	Cloud System Administration and Operations	CSET461	3	2	0	2
57	Drone Applications, Components and Assembly	CSET468	3	2	0	2
58	Computational Topo-geometrical Data Analysis	CSET498	3	2	0	2
59	Ethics and Social Implications of AI	SCSE4040	3	3	0	0
60	Prompt Engineering	SCSE4041	3	3	0	0

Honours-I, II, III, IV, V, VI

S. No.	Course Name	Course Code	Credit	L	T	P
	Semester IV					
1	Hons-I		3	2	0	2
	Semester V					
2	Hons-II		3	2	0	2
3	Hons-III		3	2	0	2
	Semester VI					
4	Hons-IV		3	2	0	2
5	Hons-V		3	2	0	2
	Semester VII					
6	Hons-VI		3	2	0	2
Total Credits			18	12	0	12

Minor in AI (I, II, III, IV)

S. No.	Course Name	Course Code	Credit	L	T	P
	Semester III					
1	Data Structure Fundamentals	CSET291	4	4	0	0
	Semester IV					
2	Introduction to Algorithm Design and Development	CSET292	4	4	0	0
	Semester V					
3	Artificial Intelligence	CSET391	4	4	0	0
	Semester VI					
4	Applied AI	CSET392	4	4	0	0

Total Credits	16	16	0	0
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CS Open Electives-I, II, III, IV

S. No.	Course Name	Course Code	Credit	L	T	P
1	Applications of AI	CSET381	3	3	0	0
2	Web Technologies	CSET382	3	3	0	0
3	Semantic Technology	CSET383	3	3	0	0
4	IT Support Technologies	CSET384	3	3	0	0
5	Software Engineering	CSET385	3	3	0	0
6	Programming Languages	CSET386	3	3	0	0
7	Artificial Intelligence for Creative Expression	CSET387	3	3	0	0
8	AI and Public Policy	CSET388	3	3	0	0
9	Linux Apache MySQL PHP (LAMP)	CSET389	3	3	0	0
10	Data Structures and Algorithms	CSET390	3	3	0	0
11	Software Testing	CSET481	3	3	0	0
12	Computing Start-ups	CSET482	3	3	0	0
13	Career Skills for IT Companies	CSET483	3	3	0	0
14	Cyber security: Impact on Govts, Policies and Economics	CSET484	3	3	0	0
15	AI and Society	CSET485	3	3	0	0
16	Special Topics in Computer Engineering	CSET486	3	3	0	0
17	Search Engine Optimization	CSET489	3	3	0	0
18	Growth Hacking	CSET488	3	3	0	0
19	Digital Marketing	CSET487	3	3	0	0
20	Advanced Skill Enhancement	CSET492	3	3	0	0
21	Advanced Industry Certification	CSET491	6	6	0	0
22	Global Experience and Practicum	CSET418	3	0	0	6
23	International Acquaintance and Externship	CSET493	3	0	0	6

*The course CSET491 will be considered equivalent to two open elective courses

HSS Electives

S. No.	Course Name	Course Code	Credit	L	T	P
1	Financial Accounting and Management	CSET307	3	3	0	0
2	Communication Skills for Global Professionals	CSET308	3	3	0	0
3	Organizational Behaviour	CSET309	3	3	0	0
4	Marketing Strategies and Planning	CSET310	3	3	0	0
5	Micro and Macro Economics	CSET311	3	3	0	0

*In Special Circumstances Open Electives can be run as General Electives and Vice Versa. Also, Specialization Electives can be run as General Electives and Vice Versa

