

Semester wise Credit Breakdown for B.E Degree Curriculum Batch 2024-28

Sl. No	Category	Credits Per Semester								Total Credits	Credits in %
		I	II	III	IV	V	VI	VII	VIII		
1	HSMC	1	2			3				6	4%
2	PLC/ETC	3	3							6	4%
3	BSC/ASC	8	8	4						20	13%
4	IPCC			4	4	4	4	4		20	13%
5	PCC			7	9	4	3	8		31	19%
6	PEC					8	4	4		16	10%
7	OEC						3	4		7	4%
8	PCCL			1	1	1	1	1		5	3%
9	ESC	6	6	3	3					18	11%
10	AEC/ SEC/ SDC/ UHV	2	1	1	3		3			10	6%
11	INT								5	5	3%
12	PROJ						2	2	12	16	10%
Total		20	20	20	20	20	20	23	17	160	100%

III Semester

BE in Computer Science & Engineering (IOT & CSBT)
Scheme of Teaching III Semester
 Outcome Based Education and Choice Based Credit System (CBCS) Effective from
 the academic year Batch - 2025-2029

Sl. No	Course	Course Code	Course Title	Teaching Department (TD)/ Board	Teaching Hours /Week				Examination			
					Theory	Tutorial	Practical	SDA	CIE Marks	SEE Marks	Total Marks	Credits
					L	T	P	S				
1	BSC	24IC31	Mathematics III for CSE	Mathematics	3	2	0	0	50	50	100	04
2	PCC	24IC32	Operating Systems	IoT	4	0	0	0	50	50	100	04
3	PCC	24IC33	Data Structure & Applications	IoT	3	0	0	0	50	50	100	03
4	IPCC	24IC34	Digital Design & Computer Organization	IoT	3	0	2	0	50	50	100	04
5	PCCL	24ICL35	Data Structure & Applications lab	IoT	0	0	2	0	50	50	100	01
6	ESC/PLC	24IC36X	ESC/PLC	IoT	2	0	2	0	50	50	100	03
7	AEC	24IC37X	Ability Enhancement Course - III	IoT dept/ IT Industry	0	0	2	0	50	50	100	01
8	MC	24NS38/ 24PE38/ 24YO38	NSS/ PE/ YOGA	NSS/YOGA/ PE coordinator	0	0	2	0	100	-	100	-
Total									450	350	800	20

Engineering Science Course (ESC/PLC)– III

Course Code	Course Title
24IC36A	Object Oriented Programming with Java
24IC36B	Object Oriented Programming with C++
24IC36C	Python for Data Science

Ability Enhancement Course

Course Code	Course Title
24IC37A	IOT Case Studies and Future Trends
24IC37B	IOT with ARDUINO
24IC37C	Prompt Engineering
24IC37D	Cyber Security and its Applications

IV Semester

BE in Computer Science & Engineering (IOT & CSBT) Scheme of Teaching IV Semester Outcome Based Education and Choice Based Credit System (CBCS) Effective from the academic year Batch - 2025-2029												
Sl. No	Course	Course Code	Course Title	Teaching Department (TD)/ Board	Teaching Hours /Week				Examination			
					Theory	Tutorial	Practical	SDA	CIE Marks	SEE Marks	Total Marks	Credits
					L	T	P	S				
1	PCC	24IC41	Design and Analysis Algorithm	IoT	3	0	0	0	50	50	100	3
2	PCC	24IC42	Database Management System	IoT	3	0	0	0	50	50	100	3
3	PCC	24IC43	Python for Web Security	IoT	3	0	0	0	50	50	100	3
4	IPCC	24IC44	Microcontroller and IoT	IoT	3	0	2	0	50	50	100	4
5	PCCL	24ICL45	Design and Analysis Algorithm Lab	IoT	0	0	2	0	50	50	100	1
6	BS C/ ES C	24IC46X	BSC/ESC	IoT Dept./Mathematics Dept.	2	2	0	0	50	50	100	3
7	AEC	24IC47X	Ability Enhancement Course	IoT Dept./ IT Industry	0	0	2	0	50	50	100	1
8	UHV	24UH48	Universal Human Values	Any Dept.	2	0	0	0	50	50	100	2
9	MC	24NS49/ 24PE49/ 24YO49	NSS/PE/YOGA	NSS/YOGA/ PE COORDINATOR	0	0	2	0	100	-	100	-
Total									500	400	900	20

Engineering Science Course (BSC/ESC)– IV

Course Code	Course Title
24IC46A	Linear Algebra
24IC46B	Discrete Mathematics Structures
24IC46C	Graph Theory
24IC46D	Optimization Technique

Ability Enhancement Course

Course Code	Course Title
24IC47A	Workplace Security Practices
24IC47B	DBMS with SQL and Mango DB
24IC47C	Data Analytics for IoT
24IC47D	Problem Management in Cyber security

V Semester:

BE in Computer Science & Engineering (IOT & CSBT) Scheme of Teaching V Semester Outcome Based Education and Choice Based Credit System (CBCS) Effective from the academic year Batch - 2025–2029												
Sl. No	Course	Course Code	Course Title	Dept	Teaching Hours / Week				Examination			
					Theory	Tutorial	Practical	SLC				
					L	T	P	S	CIE	SEE	Total	Credits
1	HSMC	24IC51	Software Engineering & Project Management	IoT	3	0	0	0	50	50	100	3
2	PCC	24IC52	Theory of Computation	IoT	3	2	0	0	50	50	100	4
3	IPCC	24IC53	Computer Networks	IoT	3	0	2	0	50	50	100	4
4	PCCL	24ICL54	Vulnerability Assessment and Penetration Testing Laboratory	IoT	0	0	2	0	50	50	100	1
5	PEC-I	24IC55X	Professional Elective Course-I	IoT	4	0	0	0	50	50	100	4
6	PEC-II	24IC56X	Professional Elective Course-II	IoT	4	0	0	0	50	50	100	4
7	NCMC	24EV57	EVS and E-Waste Management	CV	1	0	0	0	50	50	100	-
8	MC	24NSS58 / 24PE58 / 24YO58	NSS/PE/YO GA	NSS/PE/YO GA Coordinator	0	0	2	0	100	-	100	-
Total									450	350	800	20

VI Semester:

BE in Computer Science & Engineering (IOT & CSBT) Scheme of Teaching VI Semester Outcome Based Education and Choice Based Credit System (CBCS) Effective from the academic year Batch - 2025–2029												
Sl. No	Course	Course Code	Course Title	Dept	Teaching Hours / Week				Examination			
					Theory	Tutorial	Practical	SLC				
					L	T	P	S	CIE	SEE	Total	Credits
1	PCC	24IC61	Cryptography & Network Security	IoT	3	1	0	0	50	50	100	3
2	IPCC	24IC62	Block Chain Technology	IoT	3	0	2	0	50	50	100	4
3	PCCL	24ICL63	Advanced Network Security Lab	IoT	0	0	2	0	50	50	100	1
4	AEC	24IC64	Research Methodology and IPR	IoT	3	0	0	0	50	50	100	3
5	PEC	24IC65X	Professional Elective Course-III	IoT	4	0	0	0	50	50	100	4
6	OEC	24XX66X	Open Elective-I	Concerned Dept.	3	0	0	0	50	50	100	3
7	PROJ	24ICP67	Mini Project	IoT	0	0	4	3	100	-	100	2
8	NCMC	24NS68 / 24PE68 / 24YO68	NSS/PE/YOGA		0	0	2	100	-	100	-	-
9	NCMC	24IKS69	IKS		1	0	0	100	-	100	-	-
Total									400	500	800	20