



REGULATIONS 2024
B.E COMPUTER SCIENCE AND ENGINEERING
CHOICE BASED CREDIT SYSTEM
CURRICULUM FOR I TO VIII SEMESTERS

SEMESTER I

S. NO	COURSE CODE	COURSE TITLE	CATE-GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDIT
				L	T	P		
1.		Induction Programme	-	-	-	-	-	0
THEORY								
2.	24EN1R001	Professional English – I	HSMC	2	0	2	4	3
3.	24MA1R001	Matrices and Calculus	BSC	3	1	0	4	4
4.	24CY1R001	Engineering Chemistry	BSC	3	0	0	3	3
5.	24GE1R001	Problem Solving and Programming in Python	ESC	3	0	0	3	3
6.	24BE1R001	Basic Electrical & Electronics Engineering	ESC	2	0	2	4	3
7.	24TA1R001	தமிழர் மரபு /Heritage of Tamil	HSMC	1	0	0	1	1
PRACTICAL								
7.	24CY1R002	Chemistry Laboratory	BSC	0	0	3	3	1.5
8.	24GE1R002	Programming in Python Laboratory	ESC	0	0	3	3	1.5
TOTAL				14	1	10	25	20

SEMESTER II

S. NO	COURSE CODE	COURSE TITLE	CATE- GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDIT
				L	T	P		
THEORY								
1.	24EN2R002	Professional English – II	HSMC	2	0	2	4	3
2.	24MA2R003	Statistics and Numerical Methods	BSC	3	1	0	4	4
3.	24PH1R001	Engineering Physics	BSC	3	0	0	3	3
4.	24GE2R005	Design Thinking	ESC	3	0	2	5	4
5.	24CS2R002	Object Oriented Programming using Java	PCC	3	0	0	3	3
6.	24TA2R002	Tamils for Technology	HSMC	1	0	0	1	1
PRACTICAL								
7.	24PH1R003	Physics Laboratory	BSC	0	0	3	3	1.5
8.	24GE2R006	Basics Civil and Mechanical Engineering Laboratory	ESC	0	0	3	3	1.5
9.	24CS2R004	Object Oriented Programming using Java Laboratory	PCC	0	0	3	3	1.5
TOTAL				15	1	13	29	22.5

SEMESTER III

S. NO	COURSE CODE	COURSE TITLE	CATE-GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDIT
				L	T	P		
THEORY								
1.	24MA3R004	Discrete Mathematics	BSC	3	1	0	4	4
2.	24CS3R005	Digital Principles and Computer Organisation	ESC	3	0	2	5	4
3.	24CS3R006	Data Structures	PCC	3	0	0	3	3
4	24CS3R007	Database Technologies	PCC	3	0	0	3	3
5.	24CS3R008	Foundations of Data Science	PCC	3	0	0	3	3
PRACTICAL								
6.	24CS3R009	Data Structures Laboratory	PCC	0	0	3	3	1.5
7.	24CS3R010	Data Science Laboratory	PCC	0	0	3	3	1.5
8.	24CS3R011	Database Technologies Laboratory	PCC	0	0	3	3	1.5
9.	24PT3R001	Aptitude Training – I	EEC	0	0	1	1	0
TOTAL				15	1	12	28	21.5

SEMESTER IV

S. NO	COURSE CODE	COURSE TITLE	CATE- GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDIT
				L	T	P		
THEORY								
1.	24CS4R012	Theory of Computation	PCC	3	0	0	3	3
2.	24CS4R013	Artificial Intelligence	PCC	3	0	2	5	4
3.	24CS4R014	Operating Systems	PCC	3	0	0	3	3
4.	24CS4R015	Algorithms	PCC	3	0	2	5	4
6.		Elective –Management	HSMC	3	0	0	3	3
7.	24GE4R008	Environmental Sciences and Sustainability	BSC	2	0	0	2	2
PRACTICAL								
7.	24CS4R016	Operating Systems Laboratory	PCC	0	0	3	3	1.5
8.	24PT4R002	Aptitude Training – II	EEC	0	0	1	1	0
TOTAL				17	0	8	25	20.5

SEMESTER V

S. NO	COURSE CODE	COURSE TITLE	CATE-GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDIT
				L	T	P		
THEORY								
1	24CS5R017	Computer Networks	PCC	3	0	2	5	4
2	24CS5R018	Cloud and Distributed Computing	PCC	3	0	2	5	4
3	24CS5R019	Compiler Design	PCC	3	0	2	5	4
4		Professional Elective – I	PEC	2	0	2	4	3
5		Professional Elective II	PEC	2	0	2	4	3
6		Open Elective – I	OEC	3	0	0	3	3
7		Mandatory course- I	EEC	2	0	0	2	0
PRACTICAL								
9.	24CS7I001	Internship	EEC	0	0	0	0	0
10.	24CS5P001	Mini-Project	EEC	0	0	2	2	1
TOTAL				18	0	12	30	22

SEMESTER VI

S. NO	COURSE CODE	COURSE TITLE	CATE- GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDIT
				L	T	P		
THEORY								
1.	24CS6R020	Object Oriented Software Engineering	PCC	3	0	2	5	4
2.	24CS6R021	Embedded Systems and IoT	PCC	3	0	2	5	4
3.	24IT5R004	Full stack web development	PCC	3	0	0	3	3
4.		Professional Elective III	PEC	2	0	2	4	3
5.		Professional Elective IV	PEC	2	0	2	4	3
6.		Open Elective – II	OEC	3	0	0	3	3
7.		Mandatory Course-II	EEC	2	0	0	2	0
PRACTICAL								
8.	24IT5R006	Full stack web development Laboratory	EEC	0	0	3	3	1.5
9.	24CS7I001	Internship	EEC	0	0	0	0	0
10.	24CS6P002	Mini-Project	EEC	0	0	2	2	1
11.	24PT6R003	Competitive Coding Practice	EEC	0	0	1	1	0
TOTAL				18	0	14	32	22.5

SEMESTER VII

S. NO	COURSE CODE	COURSE TITLE	CATE- GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDIT
				L	T	P		
THEORY								
1.	24GE3R007	Human Values and Ethics	HSMC	2	0	0	2	2
2.	24CS7R022	UI/UX Design	PCC	3	0	2	5	4
3.	24IT7R007	Devops and Microservices	PCC	3	0	0	3	3
4.		Professional Elective – V	PEC	2	0	2	4	3
5.		Professional Elective – VI	PEC	2	0	2	4	3
6.		Open Elective – III	OEC	3	0	0	3	3
7.		Open Elective – IV	OEC	3	0	0	3	3
PRACTICAL								
8.	24CS7I001	Internship	EEC	0	0	0	2	2
9.	24CS7P003	Project Phase – I	EEC	0	0	4	4	2
TOTAL				18	0	10	30	25

SEMESTER VIII

S. NO	COURSE CODE	COURSE TITLE	CATE-GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDIT
				L	T	P		
PRACTICAL								
1.	24CS8P004	Project Work	EEC	0	0	16	16	8
TOTAL				0	0	16	16	08

S.No	Subject Area	CREDITS PER SEMESTER								Total Credit
		I	II	III	IV	V	VI	VII	VIII	
1	HSMC	4	4	-	3	-	-	2	-	13
2	BSC	8.5	8.5	4	2		-	-	-	23
3	ESC	7.5	5.5	4	-		-	-	-	17
4	PCC	-	4.5	13.5	15.5	12	11	7	-	63.5
5	PEC	-	-	-	-	6	6	6	-	18
6	OEC	-	-	-	-	3	3	6	-	12
7	EEC	-	-	-	-	1	2.5	4	8	15.5
8	NC/Mandatory	-	-	-	-		-	-	-	0
		20	22.5	21.5	20.5	22	22.5	25	8	162