



REGULATIONS 2024
B. TECH. INFORMATION TECHNOLOGY
CHOICE BASED CREDIT SYSTEM
CURRICULUM FOR 1 TO VIII SEMESTERS

SEMESTER I

S. NO	COURSE CODE	COURSE TITLE	CATE-GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDI T
				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 and Electronics Engineering	ESC	2	0	2	4	3
7.	24TA1R001	தமிழர் மரபு / Heritage of Tamils	HSMC	1	0	0	1	1
PRACTICALS								
8.	24CY1R002	Chemistry Laboratory	BSC	0	0	3	3	1.5
9.	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	தமிழரும் தொழில்நுட்பமும் / Tamils and Technology	HSMC	1	0	0	1	1
PRACTICALS								
7.	24PH1R003	Physics Laboratory	BSC	0	0	3	3	1.5
8.	24GE2R006	Basics of 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 Organization	ESC	3	0	2	5	4
3	24IT3R001	Data Structures and Algorithms.	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
PRACTICALS								
6	24IT3R002	Data Structures and Algorithms 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 System	PCC	3	0	0	3	3
4	24IT4R003	Web Technology	PCC	3	0	2	5	4
5		Elective - Management	HSMC	3	0	0	3	3
6	24GE4R008	Environmental Sciences and Sustainability	BSC	2	0	0	2	2
PRACTICALS								
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								
	24CS5R017	Computer Networks	PCC	3	0	2	5	4
1	24CS5R018	Cloud and Distributed Computing	PCC	3	0	2	5	4
2	24IT5R004	Full Stack Web Development	PCC	3	0	0	3	3
4		Professional Elective – 1	PEC	2	0	2	4	3
5		Professional Elective – 2	PEC	2	0	2	4	3
6		Open Elective - 1	OEC	3	0	0	3	3
7		Mandatory Course – I	EEC	2	0	0	2	0
PRACTICALS								
8	24IT5R005	Full Stack Web Development Lab	PCC	0	0	4	4	2
9	24IT7I001	Internship	EEC	0	0	0	0	0
10	24IT5P001	Mini-Project	EEC	0	0	2	2	1
TOTAL				18	0	14	32	23

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	24IT6R006	Mobile Computing	PCC	3	0	0	3	3
4		Professional Elective – 3	PEC	2	0	2	4	3
5		Professional Elective – 4	PEC	2	0	2	4	3
6		Open Elective - 2	OEC	3	0	0	3	3
7		Mandatory Course – II	EEC	2	0	0	2	0
PRACTICALS								
8	24IT6R007	Mobile Computing Laboratory	PCC	0	0	3	3	1.5
9	24IT7I002	Internship	EEC	0	0	2	0	0
10	24IT6P002	Mini-Project	EEC	0	0	2	2	1
11	24PT6R003	Competitive Coding Practice	EEC	0	0	2	2	0
TOTAL				18	0	17	33	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	3	0	0	3	2
2	24IT7R007	Devops and Micro Services	PCC	2	0	2	4	3
3	24IT7R007	Network Security	PCC	3	0	2	5	4
4		Professional Elective – 5	PEC	2	0	2	4	3
5		Professional Elective – 6	PEC	2	0	2	4	3
6		Open Elective – 3	OEC	3	0	0	3	3
7		Open Elective – 4	OEC	3	0	0	3	3
PRACTICALS								
8	24IT7I003	Internship	EEC	0	0	0	0	2
9	24IT7P003	Project Phase – I	EEC	0	0	4	4	2
TOTAL				15	0	10	21	25

SEMESTER VIII

S. NO	COURSE CODE	COURSE TITLE	CATE-GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDIT
				L	T	P		
PRACTICALS								
1.	24IT8P004	Project Phase – II	EEC	0	0	16	16	08
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	13	12.5	7	-	66
5	PEC	-	-	-	-	6	6	6	-	18
6	OEC	-	-	-	-	3	3	6	-	12
7	EEC	-	-	-	-	1	1	4	8	14
8	NC/ Mandatory	-	-	-	-	-	-	-	-	-
TOTAL		20	22.5	21.5	20.5	23	22.5	25	8	163