



**REGULATIONS 2024**  
**B.E. CIVIL ENGINEERING**  
**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	CREDIT
				L	T	P		
1.		Induction Programme	-	-	-	-	-	0
<b>THEORY</b>								
2.	24EN1R001	Professional English – I	HSMC	2	0	2	4	3
3.	24MA1R001	Matrices and Calculus	BSC	3	1	0	4	4
4.	24TA1R001	தமிழர் மரபு / Heritage of Tamils	HSMC	1	0	0	1	1
5.	24PH1R001	Engineering Physics	BSC	3	0	0	3	3
6.	24BE1R001	Basics of Electrical & Electronics Engineering	ESC	2	0	2	4	3
7.	24GE1R001	Problem Solving and Programming in Python	ESC	3	0	0	3	3
<b>PRACTICALS</b>								
8.	24GE1R002	Programming in Python Laboratory	ESC	0	0	3	3	1.5
9.	24PH1R003	Physics Laboratory	BSC	0	0	3	3	1.5
<b>TOTAL</b>				<b>14</b>	<b>1</b>	<b>10</b>	<b>25</b>	<b>20</b>

**SEMESTER II**

S. NO	COURSE CODE	COURSE TITLE	CATE- GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDIT
				L	T	P		
<b>THEORY</b>								
1.	24EN2R002	Professional English – II	HSMC	2	0	2	4	3
2.	24MA2R002	Transforms and Partial Differential Equations	BSC	3	1	0	4	4
3.	24TA2R002	தமிழரும் ததொழில்நுட்பமும் / Tamils and Technology	HSMC	1	0	0	1	1
4.	24CY1R001	Engineering Chemistry	BSC	3	0	0	3	3
5.	24PH2R002	Material Science	BSC	3	0	0	3	3
6.	24GE2R004	Engineering Graphics	ESC	2	0	4	6	4
<b>PRACTICALS</b>								
7.	24CY1R002	Chemistry Laboratory	BSC	0	0	3	3	1.5
8.	24GE2R006	Basic Civil & Mechanical Engineering Laboratory	ESC	0	0	3	3	1.5
<b>TOTAL</b>				<b>14</b>	<b>1</b>	<b>12</b>	<b>27</b>	<b>21</b>

**SEMESTER III**

S. NO	COURSE CODE	COURSE TITLE	CATE- GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDIT
				L	T	P		
<b>THEORY</b>								
1	24MA3R005	Numerical Methods	BSC	3	1	0	4	4
2	24GE3R005	Engineering Mechanics	ESC	3	1	0	4	4
3	24CE3R001	Fluid Mechanics	PCC	3	0	0	3	3
4	24CE3R002	Construction Engineering	PCC	3	0	0	3	3
5	24CE3R003	Engineering Geology	PCC	3	0	0	3	3
<b>LAB INTEGRATED THEORY COURSES</b>								
6	24CE3R004	Water Supply Engineering	PCC	3	0	2	5	4
7	24CE3R007	Surveying and Levelling	PCC	3	0	2	5	4
<b>PRACTICALS</b>								
8	24CE3R006	Computer Aided Building Drawing	PCC	0	0	4	4	2
<b>TOTAL</b>				<b>21</b>	<b>2</b>	<b>8</b>	<b>31</b>	<b>27</b>

**SEMESTER IV**

S. NO	COURSE CODE	COURSE TITLE	CATE- GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDIT
				L	T	P		
<b>THEORY</b>								
1	24CE4R007	Concrete Technology	PCC	3	0	0	3	3
2	24GE4R008	Environmental Science and Sustainability	BSC	2	0	0	2	2
<b>LAB INTEGRATED THEORY COURSES</b>								
3	24CE4R009	Applied Hydraulics Engineering	PCC	3	0	2	5	4
4	24CE4R010	Strength of Materials	PCC	3	0	2	5	4
5	24CE4R011	Soil Mechanics	PCC	3	0	2	5	4
6	24CE4R012	Wastewater Engineering	PCC	3	0	2	5	4
<b>TOTAL</b>				<b>17</b>	<b>0</b>	<b>8</b>	<b>25</b>	<b>21</b>

### SEMESTER V

S. NO	COURSE CODE	COURSE TITLE	CATE- GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDIT
				L	T	P		
<b>THEORY</b>								
1	24CE5R013	Design of Reinforced Cement Concrete Elements	PCC	3	0	0	3	3
2	24CE5R014	Structural Analysis	PCC	4	0	0	4	4
3	24CE5R015	Foundation Engineering	PCC	3	0	0	3	3
4		Professional Elective – 1	PEC	3	0	0	3	3
5		Professional Elective – 2	PEC	3	0	0	3	3
6		Open Elective - 1	OEC	3	0	0	3	3
<b>LAB INTEGRATED THEORY COURSES</b>								
7	24CE5R016	Highway Engineering	PCC	3	0	2	5	4
<b>PRACTICALS</b>								
8	24CE5R017	Survey Camp (2 Weeks)	EEC	0	0	0	0	1
9	24CE5R018	Mini Project-I	EEC	0	0	2	2	1
<b>TOTAL</b>				<b>22</b>	<b>0</b>	<b>4</b>	<b>26</b>	<b>25</b>

### SEMESTER VI

S. NO	COURSE CODE	COURSE TITLE	CATE- GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDIT
				L	T	P		
<b>THEORY</b>								
1	24CE6R019	Design of Steel Structural Elements	PCC	3	0	0	3	3
2	24CE6R020	Railways, Airport, Docks and Harbour Engineering	PCC	3	0	0	3	3
3		Professional Elective – 3	PEC	3	0	0	3	3
4		Professional Elective – 4	PEC	3	0	0	3	3
5		Open Elective - 2	OEC	3	0	0	3	3
<b>LAB INTEGRATED THEORY COURSES</b>								
6	24CE6R021	Structural Design and Drawing	PCC	3	0	2	5	4
<b>PRACTICALS</b>								
7	24CE6R022	Mini-Project	EEC	0	0	2	2	1
8	24CE6R023	Internship	EEC	0	0	0	0	2
<b>TOTAL</b>				<b>18</b>	<b>0</b>	<b>4</b>	<b>22</b>	<b>22</b>

### SEMESTER VII

S. NO	COURSE CODE	COURSE TITLE	CATE- GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDIT
				L	T	P		
<b>THEORY</b>								
1	24CE7R024	Estimation, Costing and Valuation Engineering	PCC	3	0	0	3	3
2	24CE7R025	Hydrology and Water Resources Engineering	PCC	3	0	0	3	3
3		Professional Elective – 5	PEC	3	0	0	3	3
4		Professional Elective – 6	PEC	3	0	0	3	3
5		Open Elective – 3	OEC	3	0	0	3	3
6		Open Elective – 4	OEC	3	0	0	3	3
<b>PRACTICALS</b>								
7	24CE7R026	Project Phase – I	EEC	0	0	4	4	2
<b>TOTAL</b>				<b>18</b>	<b>0</b>	<b>4</b>	<b>22</b>	<b>20</b>

### SEMESTER VIII

S. NO	COURSE CODE	COURSE TITLE	CATE- GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDIT
				L	T	P		
<b>PRACTICALS</b>								
1.	24CE8R027	Project Phase – II	EEC	0	0	16	16	8
<b>TOTAL</b>				<b>0</b>	<b>0</b>	<b>16</b>	<b>16</b>	<b>8</b>

**TOTAL CREDITS: 164**

S.NO	SUBJECT AREA	CREDITS PER SEMESTER								TOTAL CREDIT
		I	II	III	IV	V	VI	VII	VIII	
1	HSMC	4	4	-	-	-	-	-	-	8
2	BSC	8.5	11.5	4	2	-	-	-	-	26
3	ESC	7.5	5.5	4	-	-	-	-	-	17
4	PCC	-	-	19	19	14	10	6	-	68
5	PEC	-	-	-	-	6	6	6	-	18
6	OEC	-	-	-	-	3	3	6	-	12
7	EEC	-	-	-	-	2	3	2	8	15
8	NC/ Mandatory	-	-	-	-	-	-	-	-	0
<b>TOTAL</b>		<b>20</b>	<b>21</b>	<b>27</b>	<b>21</b>	<b>25</b>	<b>22</b>	<b>20</b>	<b>8</b>	<b>164</b>