

RGU COURSE STRUCTURE (B. TECH-CE)

RSET (B.Tech.- CE)										RSET (B.Tech.- CE)											
SEM-I					SEM-II					SEM-I					SEM-II						
Sl. No.	Subject Code	Names of subjects	L	T	P	C	TCP	Sl. No.	Subject Code	Names of subjects	L	T	P	C	TC P	L	T	P	C	TC P	
BS	1	CHY012C101	Chemistry	3	0	2	4	5	1	PHY012C201	Physics	3	0	2	4	5					
BS	2	MAT012C101	Mathematics-I	3	1	0	4	4	2	MAT012C202	Mathematics-II	3	1	0	4	4					
HUM	3	CEN102A101	English-I (Developing Oral Communication & Listening Skills)	1	0	0	1	1	3	ELE022C203	Basic Electrical Engineering	3	0	2	4	5					
ES	4	CEE022C104	Engineering Graphics & Design	1	0	4	3	5	4	CEE022C204	Programming for Problem Solving	2	0	4	4	6					
ES	5	CEE022C115	Workshop Practices	1	0	4	3	5	5	CEN102A202	English-II (Conversation & Public Speaking)	1	0	0	1	1					
NC	6	EVS992C103	Environmental Sciences-I	1	0	0	1	1	6	EVS992C203	Environmental Sciences-II	1	0	0	1	1					
	7	BHS992A105	Behavioral Science-I	1	0	0	1	1	7	BHS992A205	Behavioral Science-II	1	0	0	1	1					
		TOTAL		11	1	10	17	22		TOTAL		14	1	8	19	23	25	2	18	#	45

RSET (B.Tech.- CE)										RSET (B.Tech.- CE)													
SEM-III					SEM-IV					SEM-III					SEM-IV								
Sl. No.	Subject Code	Names of subjects	L	T	P	C	TCP	Sl. No.	Subject Code	Names of subjects	L	T	P	C	TC P	Sl. No.	Subject Code	Names of subjects	L	T	P	C	TC P
ES	1	ECE022C301	Basic Electronics	1	0	2	2	3	1	MEE022C401	Mechanical Engineering	2	0	0	2	2							
ES	2	CEE022C312	Computer-aided Civil Engineering Drawing	1	0	2	2	3	2	CEE022C402	Instrumentation & Sensor Technologies for Civil Engg. Applications	1	1	2	3	4							
ES	3	CEE022C303	Engineering Mechanics	3	1	0	4	4	3	CEE022C403	Engineering Geology	1	0	2	2	3							
4	CEE022C304	Introduction to Fluid Mechanics	2	0	2	3	4	4	CEE022C404	Energy Science & Engineering	1	1	0	2	2								
ES	5	MAT012C303	Mathematics-III	2	0	0	2	2	5	CEE022C405	Civil Engineering- Societal & Global Impact	2	0	0	2	2							
BS	6	CEE022C306	Introduction to Civil Engineering	2	0	0	2	2	6	CEE022C406	Materials, Testing & Evaluation	1	1	2	3	4							
HUM	7	CEN102A303	English-III (Career Oriented Communication)	1	0	0	1	1	7	CEE022C407	Surveying & Geomatics	1	1	2	3	4							
ES	8	CEE022C307	Biology for Engineers	2	0	0	2	2	8	CEE022C408	Life Science	1	0	0	1	1							
HUM	9	CEE022C308	Introduction to Solid Mechanics	2	0	2	3	4	9	CEN102A404	English-IV (Communication & Presentation Skills)	1	0	0	1	1							
		TOTAL		16	1	8	21	25		TOTAL		11	4	8	19	23	27	5	16	#	48		

RSET (B.Tech.- CE)										RSET (B.Tech.- CE)													
SEM-V					SEM-VI					SEM-V					SEM-VI								
Sl. No.	Subject Code	Names of subjects	L	T	P	C	TCP	Sl. No.	Subject Code	Names of subjects	L	T	P	C	TC P	Sl. No.	Subject Code	Names of subjects	L	T	P	C	TC P
PCC	1	CEE022C501	Mechanics of Materials	3	0	0	3	3	1	CEE022C601	Hydrology & Water Resources Engineering	2	0	2	3	4							
PCC	2	CEE022C502	Hydraulic Engineering	2	0	2	3	4	2	CEE022C602	Transportation Engineering	2	0	2	3	4							
PCC	3	CEE022C503	Structural Engineering	2	1	0	3	3	3	CEE022D601	Elective-I	3	0	0	3	3							
PCC	4	CEE022C504	Geotechnical Engineering	2	0	2	3	4	4	CEE022D602	Elective-II	3	0	0	3	3							
PCC	5	CEE022C505	Environmental Engineering	2	0	2	3	4	5	BSK022G602	Open Elective-II (Basket)	3	0	0	3	3							
PCC	6	CEE022C506	Professional Practice, Law & Ethics	2	0	0	2	2	6	CEE022D603	Elective-III	3	0	0	3	3							
HUM	7	CEE022C507	Constitution of India	1	0	0	1	1	7	CEE022D604	Elective-IV (Irrigation Engineering)	3	0	0	3	3							
NC	8	CEN102A505	English-V (Ethics and Business Communication)	1	0	0	1	1	8	CEN102A606	English-VI (Effective Workplace Communication)	1	0	0	1	1							
HUM	9	CEE022C509	Organizational Behavior	1	0	0	1	1	9	CEE022A609	Essence of Indian Traditional Knowledge	1	0	0	1	1							
	10	BSK022G501	Open Elective-I (Basket)	3	0	0	3	3	10														
		TOTAL		19	1	6	23	26		TOTAL		21	0	4	23	25	40	1	10	#	51		

RSET (B.Tech.- CE)										RSET (B.Tech.- CE)													
SEM-VII					SEM-VIII					SEM-VII					SEM-VIII								
Sl. No.	Subject Code	Names of subjects	L	T	P	C	TCP	Sl. No.	Subject Code	Names of subjects	L	T	P	C	TC P	Sl. No.	Subject Code	Names of subjects	L	T	P	C	TC P
PEC	1	CEE022D705	Elective-V	3	0	0	3	3	1	CEE022C801	Construction Engineering & Management	2	1	0	3	3							
PEC	2	CEE022D706	Elective-VI	3	0	0	3	3	2	CEE022D807	Elective-VII	3	0	0	3	3							
OE	3	CEE022G703	Open Elective-III	3	0	0	3	3	3	CEE022D808	Elective-VIII	2	0	0	2	2							
TR	4	CEE022C704	Disaster Preparedness & Planning	1	1	0	2	2	4	CEE022G804	Open Elective-IV	2	0	0	2	2							
	5	CEE022C705	Engineering Economics, Estimation & Costing	2	1	4	5	7	5	CEE022C825	Project-2	0	0	10	5	10							
	6	CEE022C726	Project-1	0	0	10	5	10	6	CEE022C836	Comprehensive Viva	0	0	0	1	0							
	7	CEE022C727	Summer Training	0	0	0	1	0															
		TOTAL		12	2	14	22	28		TOTAL		9	1	10	16	20	21	3	24	#	48		

Elective-I	:(a) Railway Engg. & (b) Airport Planning & Design
Elective-II	:(a) Const. Project Planning & Systems & (b) Contracts Management
Elective-III	:(a) Physico-chemical Processes for Water & Wastewater Treatment & (b) Biological Processes for Contaminant Removal
Elective-IV	:(a) Irrigation Engineering & (b) Urban Hydrology & Hydraulics

Elective-V	: (a) Water Resources Field Methods & (b) Environmental Fluid Mechanics
Elective-VI	: (a) Bridge Engg & (b) Earthquake Engg.
Elective-VII	: (a) Foundation Engg. & (b) Geotechnical Design
Elective-VIII	: (a) Design of Sub-structures & (b) System Engineering
Project-1	: Project work, seminar and internship in industry or at appropriate work place
Project-2	: Continued from Sem-VII, Project work, seminar and internship in industry or at appropriate work place

Open Ele-I (EPEC)	Students to opt for this from Outside RSET
Open Ele-II (EPEC)	Students to opt for this from Outside RSET
Open Ele-III (EPEC)	Plumbing & Sanitation (Meant for Students within RSET other than CE Dept)
Open Ele-IV (EPEC)	Building Materials (Meant for Students within RSET other than CE Dept)

Maths-I	Calculus, Multivariable Calculus and Linear Algebra
Physics	Mechanics & Mechanics of Solids
Maths -II	Differential Equations
Maths-III	Transform & Discrete Mathematics

Sem	L	T	P	C	TC P
I	11	1	10	17	22
II	14	1	8	19	23
III	16	1	8	21	25
IV	11	4	8	19	23
V	19	1	6	23	26
VI	21	0	4	23	25
VII	12	2	14	22	28
VIII	9	1	10	16	20
	113	11	68	160	192

Note:

1 No practical for subjects like Biology for Engineers and Life Science

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	I	II	III	IV	V	VI	VII	VIII	Total
L	11	14	16	11	19	21	12	9	113
T	1	1	4	1	0	0	2	1	11
P	10	8	8	8	6	4	14	10	68
C	17	19	21	19	23	23	22	16	160
TCP	22	23	25	23	26	25	28	20	192