

CIVIL ENGINEERING

III B.Tech I Sem

Group	Sub-Code	Name Of Subject	Total credits
PC	GR15A3001	Concrete technology	4
PC	GR15A3002	Design of Reinforced Concrete Structures	4
HS	GR15A2104	Managerial Economics and Financial Analysis	4
Open Elective 1			3
Professional Elective1			4
PE	GR15A3004	Advanced Structural Analysis	
PE	GR15A3104	Air Pollution and Control Engineering	
PE	GR15A3105	Environmental Impact assessment	
PC	GR15A3005	Concrete Technology Lab	2
PC	GR15A3006	Engineering Geology Lab	2
BS	GR15A3100	Advanced English Communication Skills Lab	2
Total			25

III B.Tech II Sem

Group	Sub-Code	Name Of Subject	Total credits
PC	GR15A3007	Design of Steel Structures	4
PC	GR15A3102	Management Science	4
PC	GR15A3010	Geotechnical Engineering-I	4
Open Elective 2			3
Professional Elective 2			4
PE	GR15A3108	Advanced Water Resources Engineering	
PE	GR15A3011	Disaster Management and Mitigation	
PE	GR15A3012	Bridge Engineering	
PC	GR15A3013	Geotechnical Engineering Lab	2
PC	GR15A3014	Highway Materials Lab	2
PC	GR15A3101	Industry Oriented Mini Project	2
Total			25

Open Elective 1		Course Title	Department Offering
OE - I	GR15A3151	Water Resources Engineering	CE
	GR15A3152	Solar & Wind Energy Systems	EEE
	GR15A3153	Applied Thermodynamics	ME
	GR15A3154	Principles of E- Commerce	CSE
	GR15A3155	Datamining and Applications	IT
	GR15A3156	Computer Architecture and Organization	ECE
Open Elective 2		Course Title	Department Offering
OE - II	GR15A3161	Transportation Engineering	CE
	GR15A3162	Sensors & Transducers	EEE
	GR15A3163	Automobile Engineering	ME
	GR15A3164	Human Computer Interaction	CSE
	GR15A3165	Essentials of Big Data Analytics	IT
	GR15A3166	Principles of Operating Systems	ECE

IV B.Tech I Sem

Group	Sub-Code	Name Of Subject	Total credits
PC	GR15A4001	Geotechnical Engineering-II	4
PC	GR15A4002	Estimating & Costing	4
PC	GR15A4003	Environmental Engineering	4
Open Elective 3			3
Professional Elective3			4
PE	GR15A4007	Finite Element Methods	
PE	GR15A4004	Ground Water Development & Management	
PE	GR15A4009	Ground Improvement Techniques	
PC	GR15A4010	Irrigation Design & Drawing	2
PC	GR15A4011	Environmental Engineering Lab	2
PC	GR15A4012	Computer Applications in Structural Engineering (CASE) Lab	2
Total			25

IV B.Tech II Sem

Group	Sub-Code	Name Of Subject	Total credits
PC	GR15A4013	Construction Technology & Project Management	3
Professional Elective 4			4
PE	GR15A4005	Prestressed Concrete	
PE	GR15A4015	Pavement Analysis & Design	
	GR15A4016	Water Shed Management	
Professional Elective 5			4
PE	GR15A4017	Remote Sensing & GIS	
PE	GR15A4018	Airport, Docs & Harbour Engineering	
PE	GR15A4145	Advanced Steel Structural Design	
PC	GR15A4020	GIS Lab	2
SPW	GR15A4142	Comprehensive Viva	1
SPW	GR15A4143	Seminar	1
SPW	GR15A4144	Major Project	10
Total			25

Open Elective 3	Course Title	Department Offering
GR15A4161	Green Building Technology	CE
GR15A4162	Soft Computing Techniques	EEE
GR15A4163	Operations Research	ME
GR15A4164	Mobile Computing and Applications	CSE
GR15A4165	Business Intelligence	IT
GR15A4166	Principles of Satellite Communications	ECE