

**COURSE STRUCTURE
AND
DETAILED SYLLABUS**

R18

CIVIL ENGINEERING

For

B.TECH. FOUR YEAR DEGREE COURSE

(Applicable for the students admitted into Academic Year 2018-19)

(I – IV Years Syllabus)



RAJIV GANDHI UNIVERSITY OF KNOWLEDGE TECHNOLOGIES

Basar, Nirmal, Telangana - 504107

COURSE STRUCTURE (R18) FOR B.TECH.(REGULAR)

Applicable for the students of B.Tech. (Regular) from the Academic
Year 2018-19 and onwards

I YEAR

I SEMESTER

S.NO	Course Code	Course	L-T-P	Credits
1	MA1101	Mathematics-I (M-I)	3-1-0	4
2	CE1001	Engineering Graphics	1-0-4	3
3	PH1001	Physics (PHY)	3-1-0	4
4	EE1101	Basic Electrical Engineering	3-1-0	4
5	HS1001	English (ENG)	2-0-0	2
6	PH1601	Physics Lab	0-0-3	1.5
7	HS1601	English Lab	0-0-2	2
8	EE1601	BEE Lab	0-0-2	1
9	HS1101	Communicative Skills-I (CS-I)	2-0-0-0	0

I YEAR

II SEMESTER

S.NO	Course Code	Course	L-T-P	Credits
1	MA1201	Mathematics-II (M-II)	4-0-0	4
2	ME1201	Engineering Mechanics (EM)	4-0-0	4
3	CY1001	Chemistry (CHE)	4-0-0	4
4	CS1001	Programming for problem solving (PPS)	3-0-0	3
5	ME1001	Engineering Workshop (EW)	2-0-0	2
6	CY1601	Chemistry Lab	0-0-3	2
7	CS1601	Programming for problem solving Lab	0-0-4	2
8	ME1001(L)	Engineering Workshop Lab (EW)	0-0-2	1
9	HS1201	Communication Skills-II (CS-II)	2-0-0	0
		Total	19-0-9	22

**II YEAR
I SEMESTER**

Subject Code	Course Name	L-T-P	Credits
CE2101	Surveying	4-0-0	4
CE2102	Building Materials and Concrete Technology	4-0-0	4
CE2103	Mechanics of Materials	4-1-0	4
CE2104	Mechanics of Fluids	4-1-0	4
MA2103	Mathematics-III	4-0-0	4
HS2101	Soft Skills-I	2-0-0	1
CE2701	Surveying Lab	0-0-3	2
CE2702	Materials Testing Lab	0-0-3	2
CE2703	Mechanics of Fluids Lab	0-0-3	2
CE2901	Seminar-I	0-0-2	1
Total		22-2-11	28

**II YEAR
II SEMESTER**

Subject Code	Course Name	L-T-P	Credits
CE2201	Hydraulics Engineering	4-1-0	4
CE2202	Geo Science	4-0-0	4
CE2203	Structural Analysis-I	4-1-0	4
CE2204	Design of Concrete Structures	4-0-0	4
BSBE2001	Environmental Science	4-0-0	4
BM2101	Personality Development-I	2-0-0	1
CE2801	Hydraulic Engineering Lab	0-0-3	2
CE2802	Geo Science Lab	0-0-3	2
CE2803	Concrete Lab	0-0-3	2
CE2902	Seminar-II	0-0-2	1
CE2900	Surveying camp	0-0-0	2
Total		22-2-11	30

**III YEAR
I SEMESTER**

Subject Code	Course Name	L-T-P	Credits
CE3101	Hydrology and Irrigation Engineering	4-0-0	4
CE3102	Transportation Engineering-I	4-0-0	4
CE3103	Structural Analysis-II	4-1-0	4
CE3104	Soil Mechanics	4-0-0	4
CE3105	Design of Steel Structures	4-0-0	4
BM3101	Personality Development-II	2-0-0	1
CE3701	Transportation Engineering Lab	0-0-3	2
CE3702	Soil Mechanics Lab	0-0-3	2
CE3901	Seminar-III		1
Total		22-1-38	26

**III YEAR
II SEMESTER**

Subject Code	Course Name	L-T-P	Credits
CE3201	Construction Engineering, Estimation and Specifications	4-2-0	4
CE3202	Transportation Engineering-II	4-0-0	4
CE3203	Environmental Engineering	4-0-0	4
CE3204	Foundation Engineering	4-0-0	4
CS3001	Object Oriented Programming structures through Java	4-0-0	4
HS3201	Soft Skills-II	2-0-0	1
CE3801	Environmental Engineering Lab	0-0-3	2
CS3601	Object Oriented Programming structures through Java Lab	0-0-3	2
CE3902	Seminar-IV	0-0-2	1
CE3000	Comprehensive Viva-I	0-0-2	1
Total		22-2-6	27

IV YEAR**ISEMESTER**

Subject Code	Course Name	(L-T)-P	Credits
CE4101	Structural Design (Concrete)	4-0-0	4
CE4102	Water Resource Engineering	4-0-0	4
Elective-I_CE44xx	Remote Sensing & GIS	4-0-0	3
BM4001	Managerial Economics and Financial Analysis	4-0-0	3
CE4415	Disaster Management	4-0-0	3

IV YEAR**II SEMESTER**

Subject code	Course name	L-T-P	Credits
XXxxxx	OPEN ELECTIVE_	4-0-0	3
CE4000	Comprehensive Viva-II	0-0-2	1
CE4800	Project	0-0-24	16