RAJIV GANDHI UNIVERSITY OF KNOWLEDGE TECHNOLOGIES

Constituted under the Act 18 of 2008

Nuzvid campus, Krishna District

B. Tech Civil Engineering, Batch: 2017-2021

I Year – SEMESTER – I

COURSE STRUCTURE

Subject Code	Subject Name	L-T-P	Credits
MA1121	Engineering Mathematics-I	3-1-0	4
CS1108	programming and Data structures in C	3-1-0	4
CE1101	Engineering Mechanics	3-1-0	4
CE1102	Engineering Drawing	2-0-2	3
CE1103	Surveying	3-1-0	4
CS1708	Programming and Data structures in C Lab	0-0-2	1
CE1701	Surveying lab	0-0-4	2
EG1701	Communication Lab –I	0-0-2	1
	Total Credits		23

I Year – SEMESTER – II

COURSE STRUCTURE

Subject Code	Subject Name	L-T-P	Credits
MA1222	Engineering Mathematics-II	3-1-0	4
CE1201	Mechanics of Materials	3-1-0	4
CE1202	Fluid Mechanics	3-1-0	4
CE1203	Engineering Geology	3-0-2	4
CE1204	Building Materials and Construction	4-0-0	4
CE1801	Mechanics of Materials Lab	0-0-4	2
CE1802	Fluid Mechanics Lab	0-0-4	2
EG1801	Communication Lab –II	0-0-2	1
	Total Credits		25

I Year – SUMMER QUARTER – I

COURSE STRUCTURE

Subject Code	Subject Name	L-T-P	Credits
MA1323	Probability and Statistics	3-1-0	4
ME1901	Engineering Workshop	0-0-4	2
ES1301	Environmental Science	3-0-0	3
	Total Credits		9

08/04/17 8/4/17

8/4/17 08.04.17

B. Tech Civil Engineering, Batch: 2017-2021

II Year – SEMESTER – I

COURSE STRUCTURE

Subject Code	Subject Name	L-T-P	Credits
CE2101	Structural Analysis	3-1-0	4
CE2102	Hydraulics Engineering	3-1-0	4
CE2103	Water Resources Engineering	3-1-0	4
CE2104	Soil Mechanics	3-1-0	4
CE2105	Concrete Technology	3-1-0	4
CE2701	Concrete Technology Lab	0-0-4	2
CE2702	Soil Mechanics Lab	0-0-4	2
CE2703	Seminar -1	0-0-2	1
		Total Credits	25

II Year – SEMESTER – II

COURSE STRUCTURE

Subject Code	Subject Name	L-T-P	Credits
CE2201	Design of Reinforced Concrete Structures	3-1-0	4
CE2202	Design of Steel Structures	3-1-0	4
CE2203	Transportation Engineering	3-1-0	4
CE2204	Foundation Engineering	3-1-0	4
CE2205	Environmental Engineering	3-1-0	4
CE2801	Transportation Engineering Lab	0-0-4	2
CE2802	Environmental Engineering Lab	0-0-4	2
CE2803	Seminar -2	0-0-2	1
		Total Credits	25

II Year – SUMMER QUARTER -II

COURSE STRUCTURE

Subject Code	Subject Name	L-T-P	Credits
CE2301	Building Planning and Drawing & Computer Aided Design	2-0-4	4
CE2302	Estimation and Costing	1-2-0	3
CE2901	Civil Engineering Software Lab	0-0-4	2
		Total Credits	9

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III Year – SEMESTER – I

COURSE STRUCTURE

Subject Code	Subject Name	L-T-P	Credits
	Elective-I	**3-0-0**	**3**
CE3151	Computational methods in Civil Engineering		
CE3121	Wastewater Engineering		
CE3152	Advanced Structural Analysis		
	Elective-II	**3-0-0**	3
CE3111	Construction Planning and Management		
CE3141	Irrigation and Hydro Power Engineering		
CE 3161	Pavement Analysis and Design		
	Elective-III	**3-0-0**	**3**
CE3122	Air Pollution and Control		
CE3131	Ground Improvement Techniques		
CE3142	Groundwater Hydrology		
	Free Elective-1	**3-0-0**	**3**
CE3700	Mini Project – 1	**0-0-8**	**4**
		Total Credits	**16**

III Year – SEMESTER – II

COURSE STRUCTURE

Subject Code	Subject Name	L-T-P	Credits
	Elective-IV	**3-0-0**	**3**
CE3271	Remote Sensing and GIS		
CE3252	Advanced Concrete Technology		
CE3262	Railway, harbor and Airport Engineering		
	Elective-V	**3-0-0**	**3**
CE3223	Solid and Hazardous Waste Management		
CE3232	Advanced Geo-Technical Engineering		
CE3243	Watershed Management		
	Elective-VI	**3-0-0**	**3**
CE3212	Rehabilitation of structures		

CE3253	Pre-stressed concrete		
CE3263	Traffic Engineering and Road Safety		
	Free Elective-2	**3-0-0**	**3**
CE3800	Mini Project – 2	**0-0-8**	**4**
		Total Credits	**16**

III Year – Summer Quarter -III

COURSE STRUCTURE

Subject Code	Subject Name	L-T-P	Credits
CE3900	Summer Internship	**0-0-8**	**4**
		Total Credits	**4**

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IV Year – SEMESTER – I

COURSE STRUCTURE

Subject Code	Subject Name	L-T-P	Credits
	Elective-VII	**3-0-0**	**3**
CE4124	Environmental Impact Assessment		
CE4133	Advanced Foundation Engineering		
CE4154	Finite Element Analysis		
	Elective-VIII	**3-0-0**	**3**
CE4113	Engineering Economics & project appraisal		
CE4145	Green buildings		
CE4155	Urban Transport Planning		
	Free Elective-3	**3-0-0**	**3**
CE4700	Project work – A	**0-0-12**	**6**
		Total Credits	**15**

IV Year – SEMESTER – II

COURSE STRUCTURE

Subject Code	Subject Name	L-T-P	Credits
	Elective-IX	**3-0-0**	**3**
CE4213	Modern Construction Materials		
CE4264	Rural roads		
CE4256	Structural Dynamics and Earth quake Engineering		
	Elective-X	**3-0-0**	**3**
CE4246	Bridge Engineering		
CE4225	Construction Technology and methods		
	Advanced Surveying		
	Free Elective-4	**3-0-0**	**3**
CE4800	Project work -B	**0-0-12**	**6**
CE4801	Community Service	**0-0-4**	**2**
		Total Credits	**17**

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