



Gokaraju Rangaraju Institute of Engineering and Technology
(Autonomous)

Bachupally, Kukatpally, Hyderabad – 500 090, India. (040) 6586 4440

CIVIL ENGINEERING

I YEAR I SEMESTER

S.NO.	Course Code	COURSE	Hours			Total Hours	Total Credits	Int	Ext	Marks
			L	T	P					
1	GR18A1001	Linear Algebra and Differential Calculus	3	1	0	4	4	30	70	100
2	GR18A1004	Engineering Physics	3	1	0	4	4	30	70	100
3	GR18A1007	Programming for Problem Solving	3	1	0	4	4	30	70	100
4	GR18A1010	Engineering Graphics	1	0	4	5	3	30	70	100
5	GR18A1012	Engineering Physics Lab	0	0	3	3	1.5	30	70	100
6	GR18A1015	Programming for Problem Solving Lab	0	0	3	3	1.5	30	70	100
		Induction Programme								
Total			10	3	10	23	18	180	420	600

I YEAR II SEMESTER

S.NO.	Course Code	COURSE	Hours			Total Hours	Total Credits	Int	Ext	Total Marks
			L	T	P					
1	GR18A1002	Differential Equations and Vector Calculus	3	1	0	4	4	30	70	100
2	GR18A1005	Engineering Chemistry	3	1	0	4	4	30	70	100
3	GR18A1009	Engineering Mechanics	3	1	0	4	4	30	70	100
4	GR18A1006	English	2	0	0	2	2	30	70	100
5	GR18A1013	Engineering Chemistry Lab	0	0	3	3	1.5	30	70	100
6	GR18A1014	English Language and Communication Skills Lab	0	0	2	2	1	30	70	100
7	GR18A1017	Engineering Workshop	1	0	3	4	2.5	30	70	100
Total			12	3	8	23	19	210	490	700

II YEAR I SEMESTER

S.N O.	Course Code	COURSE	Hours			Total Hours	Total Credits	Int	Ext	Marks
			L	T	P					
1	GR18A2007	Building Materials and Construction Planning	2	0	0	2	2	30	70	100
2	GR18A2008	Engineering Geology	2	0	0	2	2	30	70	100
3	GR18A2009	Solid Mechanics – I	3	1	0	4	4	30	70	100
4	GR18A2006	Computational Mathematics for Engineers	3	0	0	3	3	30	70	100
5	GR18A2010	Introduction to Fluid Mechanics	3	0	0	3	3	30	70	100
6	GR18A2011	Pavement Materials	3	0	0	3	3	30	70	100
7	GR18A2012	Engineering Geology lab	0	0	2	2	1	30	70	100
8	GR18A2013	Solid Mechanics Lab	0	0	2	2	1	30	70	100
Total			16	1	4	21	19	240	560	800
9	GR18A2002	Value Ethics and Gender Culture	2	0	0	2	2	30	70	100
10	GR18A2001	Environmental Science	2	0	0	2	2	30	70	100

II YEAR II SEMESTER

S.NO.	Course Code	COURSE	Hours			Total Hours	Total Credits	Int	Ext	Mar ks
			L	T	P					
1	GR18A2014	Solid Mechanics – II	3	1	0	4	4	30	70	100
2	GR18A2015	Basics of Electrical and Electronics Engineering	3	1	0	4	4	30	70	100
3	GR18A2016	Mechanical Engineering	2	0	0	2	2	30	70	100
4	GR18A2017	Surveying & Geomatics	3	0	0	3	3	30	70	100
5	GR18A2018	Hydraulic Engineering	3	0	0	3	3	30	70	100
6	GR18A2019	Structural Analysis –I	3	0	0	3	3	30	70	100
7	GR18A2020	Surveying Lab	0	0	4	4	2	30	70	100
8	GR18A2021	Computer Aided Design Lab	0	0	2	2	1	30	70	100
9	GR18A2022	Fluid Mechanics & Hydraulic Machinery Lab	0	0	2	2	1	30	70	100
Total			17	2	8	27	23	270	630	900