

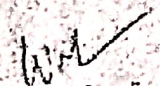
GODAVARI INSTITUTE OF ENGINEERING AND TECHNOLOGY (A)
 NH-16, CHAITANYA KNOWLEDGE CITY, RAJAHMUNDRY


Course Structure (GRBT-20)


I YEAR I SEMESTER (As Per APSCHE)

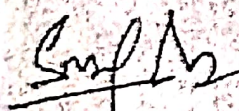
CIVIL ENGINEERING

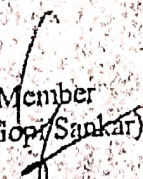
S. No.	Subject Code	Course Category	Subject Title	C
1	✓	BSC	Mathematics-I	3
2	✓	HSSC	Communicative English - I	3
3	✓	BSC	Engineering Chemistry	3
4	✓	ESC	Basic Electrical and Electronics Engineering	3
5	✓	ESC	Engineering Graphics	3
6	✓	BSCL	Engineering Chemistry Laboratory	1.5
7	✓	ESCL	Basic Electrical and Electronics Engineering Laboratory	1.5
8	?	ESCL	Basic Engineering Workshop	1.5
TOTAL				19.5



 University Nominee
 (Dr. G.V.R. Prasada Raju)



 Subject Expert
 (Dr. D. Rama Seshu)


 Industry Expert
 (Sri. S.V. Vijaykumar)


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 Chairman-BOS
 (Dr. D. Venkateswar)

GODAVARI INSTITUTE OF ENGINEERING AND TECHNOLOGY (A)
NII-16, CHAITANYA KNOWLEDGE CITY, RAJAHMUNDRY


Proposed Course Structure (GRBT-20)
I YEAR II SEMESTER (As Per APSCHE)

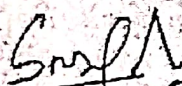
CIVIL ENGINEERING

S. No.	Subject Code	Course Category	Subject Title	C
1	✓	BSC	Mathematics-II	3
2	?	BSC	Engineering Physics	3
3	✓	ESC	Fundamentals of Computer Programming	3
4	?	ESC	Engineering Mechanics	3
5	✓	ESCL	Materials Technology	3
6	?	BSCL	Engineering Physics Laboratory	1.5
7	✓	ESCL	Fundamentals of Computer Programming Lab	1.5
8	✓	HSCL	Communicative English Lab	1.5
	✓	MS	Environmental Science	0
TOTAL				19.5



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NH-16, Chaitanya Knowledge City, Rajahmundry – 533296. E.G.Dt., - AP.

DEPARTMENT OF CIVIL ENGINEERING

4 Years B.Tech. (Civil Engineering) Course Structure : GRBT-20

II YEAR I SEMESTER

Sl. No.	Course Code	Course Type	Course Title	Periods per week			C	Scheme of Examination Maximum Marks		
				L	T	P		Int.	Ext.	Total
		BSC	Mathematics -III	3	0	0	3	30	70	100
		ESC	Strength of Materials	3	0	0	3	30	70	100
		ESC	Fluid Mechanics	3	0	0	3	30	70	100
		PCC	Surveying and Geomatics	3	0	0	3	30	70	100
		PCC	Environmental Engineering	3	0	0	3	30	70	100
		PCC	Material Testing Lab	0	0	3	1.5	50	50	100
		ESC	Building Planning and Drawing Lab	0	0	3	1.5	50	50	100
		PCC	Surveying Field Work (Lab)	0	0	3	1.5	50	50	100
		SOC-I	Skill oriented course-1	0	1	2	2	-	50	50
		MC	Constitution of India	2	0	0	0	30	70	100
TOTAL				17	1	11	21.5	330	620	950
C = 3		ESC = 7.5	PCC = 9	MC = 0	SOC-I = 2					

W.N.
University Nominee
G.V.R. Prasada Raju

S.N.Rao
Internal Member
S.N.Rao

[Signature]
Subject Expert
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Internal Member
(A.Rajendra)

[Signature]
DVR

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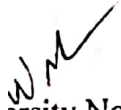
DEPARTMENT OF CIVIL ENGINEERING


4 Years B.Tech. (Civil Engineering) Course Structure : GRBT-20


II YEAR II SEMESTER

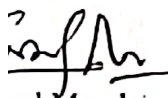
Sl. No.	Course Code	Course Type	Course Title	Periods per week			C	Scheme of Examination Maximum Marks		
				L	T	P		Int.	Ext.	Total
		BSC	Probability and Statistics	3	0	0	3	30	70	100
		PCC	Mechanics of Materials	3	0	0	3	30	70	100
		PCC	Hydraulics and Hydraulic Machinery	3	0	0	3	30	70	100
		PCC	Concrete Technology	3	0	0	3	30	70	100
		BSC	Managerial Economics and Financial Analysis	3	0	0	3	30	70	100
		PCC	Environmental Engineering Lab	0	0	3	1.5	50	50	100
		PCC	Concrete Technology Lab	0	0	3	1.5	50	50	100
		PCC	Fluid Mechanics & Hydraulic Machinery Lab	0	0	3	1.5	50	50	100
		SOC-II	English For Career (Skill oriented course-II)	0	1	2	2	-	50	50
TOTAL				15	0	11	21.5	300	550	850
C = 6	OEC = 0	PCC = 14.5	SOC-II=2							
MINORS/MINOR COURSES				4	0	0	4	30	70	100


END OF II YEAR II SEMESTER STUDENTS MUST COMPLETE SUMMER INTERNSHIP

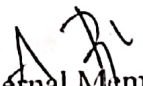

University Nominee
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Subject Expert
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Industry Expert
(Dr.S.V.Vijay Kumar)


Internal Member
S.N.Rao


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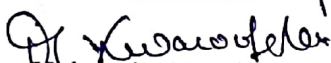
DEPARTMENT OF CIVIL ENGINEERING


4 Years B.Tech. (Civil Engineering) Course Structure : GRBT-20

III YEAR I SEMESTER


S. No.	Course Code	Course Type	Course Title	Periods per week			C	Scheme of Examination Maximum Marks		
				L	T	P		Int.	Ext.	Total
1		PCC	Engineering Geology	3	0	0	3	30	70	100
2		PCC	Soil Mechanics	3	0	0	3	30	70	100
3		PCC	Structural Analysis	3	0	0	3	30	70	100
4		OEC	Open Elective – I/Job Oriented Course	3	0	0	3	30	70	100
5		PEC	Professional Elective - I	3	0	0	3	30	70	100
6		PCCL	Engineering Geology Lab	0	0	3	1.5	50	50	100
7		PCCL	Soil Mechanics Lab	0	0	3	1.5	50	50	100
8	+	SAC/SSC	Software Applications in CIVIL ENGINEERING Lab (GIS, STAAD)	1	0	2	2	50	50	100
9		MC	IPR and Patents	2	0	0	0	30	70*	100
Summer Internship/Mini project-I (Mandatory)				0	0	0	1.5	100	-	100
Total							21.5	430	570	1000
Honors/Minor courses (The hours distribution can be 3-0-2 or 3-1-0 also)				4	0	0	4			

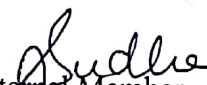
* Internal Evaluation



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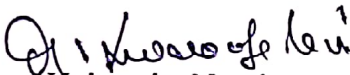
DEPARTMENT OF CIVIL ENGINEERING

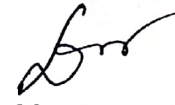
4 Years B.Tech. (Civil Engineering) Course Structure : GRBT-20

III YEAR II SEMESTER

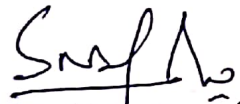
S. No.	Course Code	Course Type	Course Title	Periods per week			C	Scheme of Examination Maximum Marks		
				L	T	P		Int.	Ext.	Total
1		PCC	Hydrology, Irrigation & Water Resources Engineering.	3	0	0	3	30	70	100
2	+	PCC	Theory of Structures	3	0	0	3	30	70	100
3	+	PCC	Design of Reinforced Concrete Structures	3	0	0	3	30	70	100
4		PCC	Transportation Engineering	3	0	0	3	30	70	100
5		PEC	Professional Elective - II	3	0	0	3	30	70	100
6		OEC	Open Elective - II	3	0	0	3	30	70	100
7		PCCL	Transportation Engineering Lab	0	0	3	1.5	50	50	100
8	+	SAC/SSC	Design & Detailing Lab	1	0	2	2	50	50	100
9		MC	Quantitative Aptitude and Reasoning	2	0	0	0	30	70*	100
Total							21.5	310	590	900
Honors/Minor courses (The hours distribution can be 3-0-2 or 3-1-0 also)				4	0	0	4			
Industrial/Research Internship/Mini project-II (Mandatory) after Third year (to be evaluated during VII semester)										

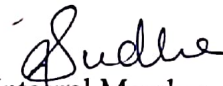
* Internal Evaluation

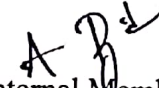

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GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY(AUTONOMOUS)

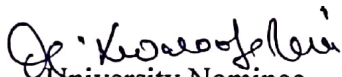
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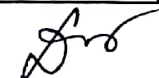
DEPARTMENT OF CIVIL ENGINEERING


4 Years B.Tech. (Civil Engineering) Course Structure : GRBT-20

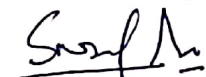
IV YEAR I SEMESTER

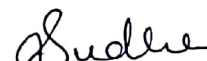
S. No.	Course Code	Course Type	Course Title	Periods per week			C	Scheme of Examination Maximum Marks		
				L	T	P		Int.	Ext.	Total
1		PEC	Professional Elective - III	3	0	0	3	30	70	100
2	X PC	PEC	Professional Elective – IV	3	0	0	3	30	70	100
3	X DS	PEC	Professional Elective - V	3	0	0	3	30	70	100
4		OEC	Open Elective – III/ Job Oriented Course	3	0	0	3	30	70	100
5	X	OEC	Open Elective - IV/ Job Oriented Course	3	0	0	3	30	70	100
6		HSSE	Universal Human Values -2: "Understanding Harmony"	3	0	0	3	30	70	100
7		SAC/SSC	Prerequisites for Consultancy and Authorized Valuation	1	0	2	2	50	50	100
Industrial/Research Internship/Mini project-II (Mandatory)				0	0	0	3	100	-	100
Total							23	330	470	800
Honors/Minor courses (The hours distribution can be 3-0-2 or 3-1-0 also)				4	0	0	4			

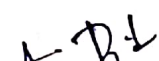

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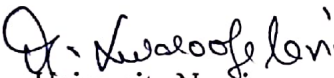
DEPARTMENT OF CIVIL ENGINEERING

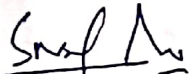
4 Years B.Tech. (Civil Engineering) Course Structure : GRBT-20


IV YEAR II SEMESTER


Semester VIII (IV YEAR -II SEM)							
S. No	Category	Code	Course Title	Hours			Credits
				L	T	P	
1	Major Project		Project work	0	0	0	12
Total credits							12

PCC	Professional Core Courses
OEC	Open Elective Course/Job oriented elective
PEC	Professional Elective courses
PCCL	Professional Core Courses Lab
SAC/SSC	Skill Advanced Course/ Soft Skill Course*
MC	Mandatory course (AICTE suggested)
HSSE	*Humanities and Social Science Elective

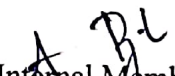

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