

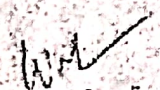
**GODAVARI INSTITUTE OF ENGINEERING AND TECHNOLOGY (A)
NH-16, CHAITANYA KNOWLEDGE CITY, RAJAHMUNDRY**

Course Structure (GRBT-20)

1 YEAR I SEMESTER (As Per APSCHE)

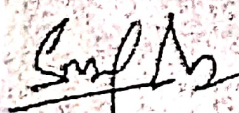
CIVIL ENGINEERING

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)


Industry Expert
(Sri. S.N. Rao)


Internal Member
(Mr. K. Gopi Sankar)


Internal Member
(Mr. A. Rajendra)

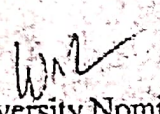

Chairman-BOS
(Dr. D. Venkateswar)

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)

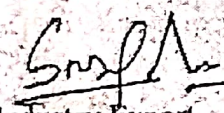
CIVIL ENGINEERING

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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 Chairman-BOS
 (Dr.D.Venkateswarl)

GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY(AUTONOMOUS)

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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
SC = 3	ESC = 7.5	PCC = 9	MC=0	SOC-I=2						

WV
University Nominee
G.V.R. Prasada Raju)

raf An
Internal Member
S.N.Rao)

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Budha
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(J.Lakshmi Sudha)

Industry Expert
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A. Rajendra
Internal Member
(A.Rajendra)

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

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Internal Member
(A.Rajendra)

SVK



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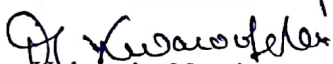
DEPARTMENT OF CIVIL ENGINEERING

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

III YEAR I SEMESTER

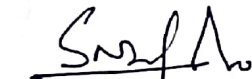
S. No.	Course Code	Course Type	Course Title	Periods per week			C	Scheme of Examination Maximum Marks		
				L	T	P		Int.	Ext.	Total
1		PCC	Engineering Geology	3	0	0	3	30	70	100
2		PCC	Soil Mechanics	3	0	0	3	30	70	100
3		PCC	Structural Analysis	3	0	0	3	30	70	100
4		OEC	Open Elective – I/Job Oriented Course	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

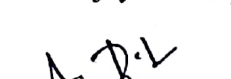

University Nominee
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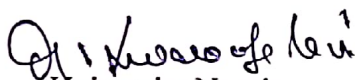
DEPARTMENT OF CIVIL ENGINEERING

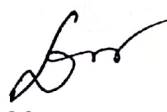
4 Years B.Tech. (Civil Engineering) Course Structure : GRBT-20

III YEAR II SEMESTER

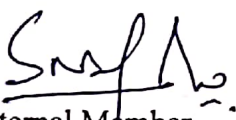
S. No.	Course Code	Course Type	Course Title	Periods per week			C	Scheme of Examination Maximum Marks		
				L	T	P		Int.	Ext.	Total
1		PCC	Hydrology, Irrigation & Water Resources Engineering.	3	0	0	3	30	70	100
2	+	PCC	Theory of Structures	3	0	0	3	30	70	100
3	+	PCC	Design of Reinforced Concrete Structures	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)										

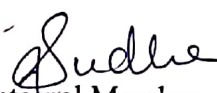
* Internal Evaluation

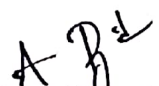

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GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY(AUTONOMOUS)

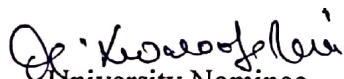
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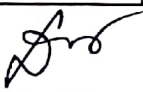
DEPARTMENT OF CIVIL ENGINEERING

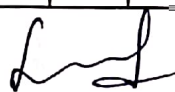
4 Years B.Tech. (Civil Engineering) Course Structure : GRBT-20

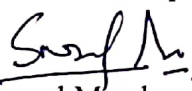
IV YEAR I SEMESTER

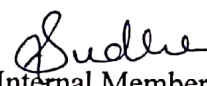
S. No.	Course Code	Course Type	Course Title	Periods per week			C	Scheme of Examination Maximum Marks		
				L	T	P		Int.	Ext.	Total
1		PEC	Professional Elective - III	3	0	0	3	30	70	100
2	X _{PC}	PEC	Professional Elective – IV	3	0	0	3	30	70	100
3	X _{DS}	PEC	Professional Elective - V	3	0	0	3	30	70	100
4		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			

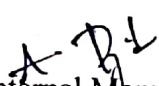

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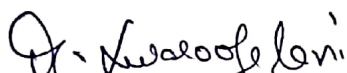
DEPARTMENT OF CIVIL ENGINEERING

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

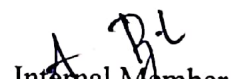

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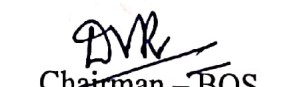

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