

COURSE STRUCTURE

DEPARTMENT OF HUMANITIES AND BASIC SCIENCES



GRBT-20

R-20

Godavari institute of Engineering and Technology

GIET Campus, Chaitanya Knowledge City,
NH-16, Rajahmundry, East Godavari, Andhra Pradesh

E-Mail: hod.hbs@giet.ac.in

www.giet.ac.in



Course Structure (GRBT-20)

**I YEAR I SEMESTER (As Per APSCHE)
ECE**

S. No	Category	Course Code	Subject Title	Hours per week			Credits
				L	T	P	C
1	BSC	201HB101	Mathematics-I	3	0	0	3
2	BSC	201HB202a	Applied Physics	3	0	0	3
3	HSMC	201HB102	Communicative English - I	3	0	0	3
4	ESC	201CS104	Problem Solving & Programming in C	3	0	0	3
5	ESC	201EC105	Introduction to Electronics Engineering	3	0	0	3
6	BSC	201HB211a	Applied Physics Laboratory	0	0	3	1.5
7	ESC	201ME113a	Electronic Engineering Workshop	0	0	3	1.5
8	ESC	201CS112	Problem Solving & Programming in C Laboratory	0	0	3	1.5
9		201HB296	Environmental Science	2	0	0	0
Total Credits							19.5

**I YEAR II SEMESTER (As Per APSCHE)
ECE**

S. No	Category	Course Code	Subject Title	Hours per week			Credits
				L	T	P	C
1	BSC	201HB201	Mathematics-II	3	0	0	3
2	BSC	201HB103b	Engineering Chemistry	3	0	0	3
3	ESC	201ME105	Engineering Graphics	1	0	4	3
4	ESC	201CS204b	Data Structures	3	0	0	3
5	ESC	201EE104	Basic Electrical and Electronics Engineering	3	0	0	3
6	BSC	201HB111b	Engineering Chemistry Laboratory	0	0	3	1.5
7	HSMC	201HB212	Communicative English Laboratory	0	0	3	1.5
8	ESC	201EE112	Basic Electrical and Electronics Engineering Laboratory	0	0	3	1.5
Total Credits							19.5

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

Course Structure (GRBT-20)

**I YEAR I SEMESTER (As Per APSCHE)
MECH, CE, AME, PET, MM**

S. No	Category	Course Code	Subject Title	Hours per week			Credits
				L	T	P	C
1	BSC	201HB101	Mathematics-I	3	0	0	3
2	BSC	201HB103b	Engineering Chemistry	3	0	0	3
3	HSMC	201HB102	Communicative English - I	3	0	0	3
4	ESC	201ME105	Engineering Graphics	1	0	4	3
5	ESC	201EE104	Basic Electrical and Electronics Engineering	3	0	0	3
6	BSC	201HB111b	Engineering Chemistry Laboratory	0	0	3	1.5
7	ESC	201EE112	Basic Electrical and Electronics Engineering Laboratory	0	0	3	1.5
8	ESC	201ME113d	Basic Engineering Workshop	0	0	3	1.5
Total Credits							19.5

**I YEAR II SEMESTER (As Per APSCHE)
MECH, CE, AME, PET, MM**

S. No	Category	CourseCode	Subject Title	Hours per week			Credits
				L	T	P	C
1	BSC	201HB201	Mathematics-II	3	0	0	3
2	BSC	201HB202b	Engineering Physics	3	0	0	3
3	ESC	201CS204a	Fundamentals of Computer Programming	3	0	0	3
4	ESC	201ME203a	Engineering Mechanics	3	0	0	3
5	ESC		Material Science and Automobile Engineering	3	0	40	3
6	BSC	201HB211b	Engineering Physics Laboratory	0	0	3	1.5
7	ESC	201CS213a	Fundamentals of Computer Programming Lab	0	0	3	1.5
8	HSMC	201HB212	Communicative English Laboratory	0	0	3	1.5
9.	MC	201HB296	Environmental Science	2	0	0	0
Total Credits							19.5

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Course Structure (GRBT-20)

**I YEAR I SEMESTER (As Per APSCHE)
EEE**

S. No	Category	CourseCode	Subject Title	Hours per week			Credits
				L	T	P	C
1	BSC	201HB101	Mathematics-I	3	0	0	3
2	BSC	201HB103b	Engineering Chemistry	3	0	0	3
3	HSMC	201HB102	Communicative English - I	3	0	0	3
4	ESC		Electro Magnetic Fields	1	0	4	3
5	ESC	201EE104	Basic Electrical and Electronics Engineering	3	0	0	3
6	BSC	201HB111b	Engineering Chemistry Laboratory	0	0	3	1.5
7	ESC	201EE112	Basic Electrical and Electronics Engineering Laboratory	0	0	3	1.5
8	ESC		Electrical Engineering Workshop	0	0	3	1.5
Total Credits							19.5

**I YEAR II SEMESTER (As Per APSCHE)
EEE**

S. No	Category	Course Code	Subject Title	Hours per week			Credits
				L	T	P	C
1	BSC	201HB201	Mathematics-II	3	0	0	3
2	BSC	201HB202a	Applied Physics	3	0	0	3
3	ESC	201CS204a	Fundamentals of Computer Programming	3	0	0	3
4	ESC	201EE205a	Electrical Circuit Analysis	3	0	0	3
5	ESC	201ME105	Engineering Graphics	1	0	4	3
6	BSC	201HB211a	Applied Physics Laboratory	0	0	3	1.5
7	ESC	201CS213a	Fundamentals of Computer Programming Laboratory	0	0	3	1.5
8	HSMC	201HB212	Communicative English Laboratory	0	0	3	1.5
9.	MC	201HB296	Environmental Science	2	0	0	0
Total Credits							19.5

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

Course Structure (GRBT-20)

**I YEAR I SEMESTER (As Per APSCHE)
CS, AI**

S. No	Category	CourseCode	Subject Title	Hours per week			Credits
				L	T	P	C
1	BSC	201HB101	Mathematics-I	3	0	0	3
2	BSC	201HB103b	Engineering Chemistry	3	0	0	3
3	HSMC	201HB102	Communicative English - I	3	0	0	3
4	ESC	201ME105	Engineering Graphics	1	0	4	3
5	ESC	201CS104	Problem Solving & Programming in C	3	0	0	3
6	BSC	201HB111b	Engineering Chemistry Laboratory	0	0	3	1.5
7	ESC	201ME113c	Computer Engineering Workshop	0	0	3	1.5
8	ESC	201CS112	Problem Solving & Programming in CLab	0	0	3	1.5
				Total Credits			19.5

**I YEAR II SEMESTER (As Per APSCHE)
CS, AI**

S. No	Category	CourseCode	Subject Title	Hours per week			Credits
				L	T	P	C
1	BSC	201HB201	Mathematics-II	3	0	0	3
2	BSC	201HB202a	Applied Physics	3	0	0	3
3	ESC	2301EC203	Fundamentals of Digital Electronics	3	0	0	3
4	ESC	201CS204	Data Structures	3	0	0	3
5	ESC	201CS205	Python Programming	3	0	0	3
6	BSC	201HB211a	Applied Physics Laboratory	0	0	3	1.5
7	ESC	201CS213	Data Structures Laboratory	0	0	3	1.5
8	HSMC	201HB212	Communicative English Laboratory	0	0	3	1.5
9.	MC	201HB296	Environmental Science	2	0	0	0
				Total Credits			19.5

**GODAVARI INSTITUTE OF ENGINEERING AND TECHNOLOGY (A)
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Course Structure (GRBT-20)

**I YEAR I SEMESTER (As Per APSCHE)
CSE**

S. No	Category	CourseCode	Subject Title	Hours per week			Credits
				L	T	P	
1	BSC	201HB101	Mathematics-I	3	0	0	3
2	BSC	201HB202a	Applied Physics	3	0	0	3
3	HSMC	201HB102	Communicative English - I	3	0	0	3
4	ESC	201CS104	Problem Solving & Programming in C	3	0	0	3
5	ESC	2301EC203	Fundamentals of Digital Electronics	3	0	0	3
6	BSC	201HB211a	Applied Physics Laboratory	0	0	3	1.5
7	ESC	201ME113c	Computer Engineering Workshop	0	0	3	1.5
8	ESC	201CS112	Problem Solving & Programming in CLab	0	0	3	1.5
9.	MC	201HB296	Environmental Science	2	0	0	0
Total Credits							19.5

**I YEAR II SEMESTER (As Per APSCHE)
CSE**

S. No	Category	CourseCode	Subject Title	Hours per week			Credits
				L	T	P	
1	BSC	201HB201	Mathematics-II	3	0	0	3
2	BSC	201HB103b	Engineering Chemistry	3	0	0	3
3	ESC	201CS205	Python Programming	3	0	0	3
4	ESC	201ME105	Engineering Graphics	1	0	4	3
5	ESC	201CS204	Data Structures	3	0	0	3
6	BSC	201HB111b	Engineering Chemistry Laboratory	0	0	3	1.5
7	ESC	201CS213	Data Structures Laboratory	0	0	3	1.5
8	HSMC	201HB212	Communicative English Laboratory	0	0	3	1.5
Total Credits							19.5

HBS Subjects

S.No	Year	Semester	Category	CourseCode	Branches	Subject	Hours per week			Credits
							L	T	P	C
1	II	III	B. Tech	201HB301	ECE, EEE, AME, Mech, PET, Civil	Mathematics-III	3	0	0	3
2	II	III	B. Tech	201HB401	Mining,	Probability and Statistics	3	0	0	3
3	II	IV	B. Tech	201HB401	Civil, Mech, AME,	Probability and Statistics	3	0	0	3
4	II	IV	B. Tech	201CS401	CSE,CS, AI&ML	Statistics With R Programming	2	1	0	3
5	II	IV	B. Tech	201CS411	CSE,CS, AI&ML	Statistics With R Programming Lab	0	0	3	1.5
6	I	I	MCA	20309102	MCA	Discrete Mathematics	3	0	0	3
7	I	I	MCA	20200104	MCA	Probability & Statistics	3	1	0	4
8	I	I	MBA	20400104	MBA	Quantitative Analysis for Business Decisions	4	0	0	4
9	I	II	MBA		MBA	Business Research Methodology	3	0	0	3
10	I	II	MBA		MBA	R Programming Lab	0	0	3	1.5
11	II	III	MBA	20400302	MBA	Operations Research	4	0	0	4
12	II	I/ II	HSMC	201HB102	Common toAll	Communicative English - I	3	0	0	3
13	IV	I	OEC	201HB296		Elective - Humanities and Social Science (UHV)	2	0	2	3