

ACADEMIC REGULATIONS & COURSE STRUCTURE

For

VLSI & ES (GR-17)

(Applicable for batches admitted from 2016-2017)

GODAVARI INSTITUTE OF ENGINEERING AND TECHNOLOGY

NH-16, CHAITANYA KNOWLEDGE CITY, RAJAHMUNDRY-533296

I Semester

S. No.	Subject codes	Name of the Subject	L	P	C
1	17242101	Digital System Design ✓	4	-	3
2	17242102	VLSI Technology and Design ✓	4	-	3
3	17242103	CMOS Analog IC Design ✓	4	-	3
4	17242104	Hardware Software Co-Design ✓	4	-	3
5	17242161(A) 17242161(B) 17242161(C) 17242161(D)	Elective I 1. Embedded -C ✓ 2. CMOS Digital IC Design ✓ 3. Soft Computing Techniques ✓ 4. Cyber Security ✗	4	-	3
6	17242162(A) 17242162(B) 17242162(C)	Elective II 1. Advanced Operating Systems ✗ 2. System on Chip Design ✓ 3. Network Security and Cryptography ✓	4	-	3
7	17242111	VLSI Laboratory ✓	-	3	2
Total					20

II Semester

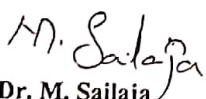
S. No.	Subject codes	Name of the Subject	L	P	C
1	17242201	Embedded System Design ✓	4	-	3
2	17242202	CMOS Mixed Signal Circuit Design ✓	4	-	3
3	17242203	Embedded Real Time Operating Systems	4	-	3
4	17242204	Design For Testability ✓	4	-	3
5	17242261(A) 17242261(B) 17242261(C)	Elective III 1. DSP Processors & Architectures ✓ 2. Low Power VLSI Design ✓ 3. VLSI Signal Processing ✓	4	-	3
6	17242262(A) 17242262(B) 17242262(C)	Elective IV 1. Micro Electro Mechanical Systems (MEMS) Design ✓ 2. CPLD and FPGA Architectures and ✓	4	-	3
7	17242211	Embedded System Design Laboratory ✓	-	3	2
Total					20

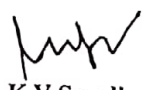
III Semester

S. No.	Subject Codes	S	L	P	Credits
1	17242351	Comprehensive Viva-Voce	--	--	2
2	17242332	Seminar-I	--	--	2
3	17242343	Project Work Part -I	--	--	16
		Total Credits			20

IV Semester

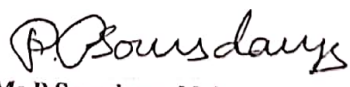
S. No.	Subject Codes	S	L	P	Credits
1	17242431	Seminar-II	--	--	2
2	17242442	Project Work Part -II	--	--	18
		Total Credits			20


Dr. M. Sailaja
(University Nominee)

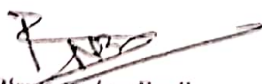

Dr. K.V. Sreedhar
(Subject Expert)


Dr. K. Murali Krishna
(Industry Expert)


Dr. S. V. R. K. Rao
(Chairman, BOS)


Ms. P. Soundarya Mala
(BOS Member)


Mr. G. V. Vinod
(BOS Member)


Mr. Biswaranjan Barik
(BOS Member)


Mr. S. Vamsi Krishna
(BOS Member)


Mr. V. Sreevani
(BOS Member)