

**GODAVARI INSTITUTE OF ENGINEERING AND
TECHNOLOGY (AUTONOMOUS)**

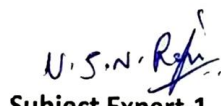
NH-16, Chaitanya Knowledge City, Rajahmundry – 533296. E.G. Dt., - AP.

**Approved by AICTE, Accredited by NBA & NAAC 'A+' Grade, Recognized under 2(f) and
12(b) of UGC, Permanently Affiliated to JNTUK, Kakinada.**



**Department of Computer Science & Engineering
4 YEARS B.TECH COURSE STRUCTURE
(2017-20)**


University Nominee
Dr.L.Sumalatha


Subject Expert-1
Dr.U.S.N.Raju


Industry
Mr.B.Mahesh


BOS-CHAIRMAN
Dr.B.Sujatha

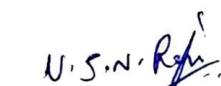
I Year I Semester

S. No.	Subject Title	Periods per week			C	Scheme of Examination Maximum Marks		
		L	T	P		Int.	Ext.	Total
17199101	English – I	4	1	0	3	40	60	100
17199102	Mathematics-I	4	1	0	3	40	60	100
17195103	Computer Programming	4	1	0	3	40	60	100
17193174	Engineering Drawing	1	0	3	3	40	60	100
17199105	Mathematics – II (Mathematical Methods)	4	1	0	3	40	60	100
17199106	Professional Ethics & Human Values	1	2	0	1	40	60	100
17199111	English Communication Skills Lab-I	0	0	3	2	50	50	100
17195112	Computer Programming Lab	0	0	3	2	50	50	100
17199183	Engineering Workshop &IT Workshop	0	0	3	2	50	50	100
Total		18	6	12	22	390	510	900

I Year II Semester

S. No.	Subject Title	Periods per week			C	Scheme of Examination Maximum Marks		
		L	T	P		Int.	Ext.	Total
17199201	English – II	4	1	0	3	40	60	100
17199202	Engineering Physics	4	1	0	3	40	60	100
17195203	Data Structures	4	1	0	3	40	60	100
17199204	Environmental Studies	4	0	0	3	40	60	100
17199205	Mathematics – III	4	1	0	3	40	60	100
17199211	English Communication Skills Lab-II	0	0	3	2	50	50	100
17199212	Engineering Physics Lab	0	0	3	2	50	50	100
17195213	Data Structures Lab	0	0	3	2	50	50	100
Total		20	4	9	21	350	450	800


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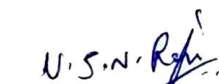
II Year I Semester

S. No.	Subject Title	Periods per week			C	Scheme of Examination Maximum Marks		
		L	T	P		Int.	Ext.	Total
17150301	Mathematical Foundations of Computer Science	3	1	0	3	40	60	100
17150302	Digital Logic Design	3	1	0	3	40	60	100
17150303	Computer Graphics	4	0	0	3	40	60	100
17150304	Advanced Data Structures	4	0	0	3	40	60	100
17150305	Python Programming	4	0	0	3	40	60	100
17150306	Internet Programming	4	0	0	3	40	60	100
17159307	Soft Skills-I	1	2	0	1	40	60	100
17150311	Advanced Data Structures Lab	0	0	3	2	50	50	100
17150312	Python Programming Lab	0	0	3	2	50	50	100
17150313	Internet Programming Lab	0	0	3	2	50	50	100
Total		23	4	9	25	430	570	1000

II Year II Semester

S. No	Subject Title	Periods per week			C	Scheme of Examination Maximum Marks		
		L	T	P		Int.	Ext.	Total
17159401	Managerial Economics and Financial Analysis	4	0	0	3	40	60	100
17150402	Statistics with R Programming	4	0	0	3	40	60	100
17150403	Computer Organization	3	1	0	3	40	60	100
17150404	Formal Languages and Automata Theory	3	1	0	3	40	60	100
17150405	Java Programming	4	0	0	3	40	60	100
17150406	Operating Systems	4	0	0	3	40	60	100
17150411	R-Programming Lab	0	0	3	2	50	50	100
17150412	Java Programming Lab	0	0	3	2	50	50	100
17150413	Operating Systems Lab	0	0	3	2	50	50	100
Total		22	2	9	24	390	510	900


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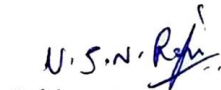
III Year I Semester

S. No	Subject Title	Periods per week			C	Scheme of Examination Maximum Marks		
		L	T	P		Int.	Ext.	Total
17150501	Image Processing	3	1	0	3	40	60	100
17150502	Software Engineering	3	0	0	3	40	60	100
17150503	Design and Analysis of Algorithms	3	1	0	3	40	60	100
17150504	Compiler Design	3	1	0	3	40	60	100
17150505	Data Base Management Systems	3	1	0	3	40	60	100
17150506	Advanced Java Programming	3	1	0	3	40	60	100
17159507	Soft Skills-II	1	2	0	1	40	60	100
17150511	Advanced Java Programming Lab	0	0	3	2	50	50	100
17150512	Data Base Management Systems Lab	0	0	3	2	50	50	100
17150513	Compiler Design and Image Processing Lab	0	0	3	2	50	50	100
17150521	Mini Project-I	0	0	3	2	100	0	100
Total		19	7	12	27	530	570	1100

III Year II Semester

S. No.	Subject Title	Periods per week			C	Scheme of Examination Maximum Marks		
		L	T	P		Int.	Ext.	Total
17150601	Computer Networks	3	1	0	3	40	60	100
17150602	Data Mining	3	1	0	3	40	60	100
17150603	Software Testing Methodologies	3	0	0	3	40	60	100
17150604	OOAD through UML	3	1	0	3	40	60	100
	Open Elective Environmental Pollution Control Renewable Energy Resources Robotics IOT Principles of Management Hybrid Vehicles	3	0	0	3	40	60	100
17150611	Data Mining Lab	0	0	3	2	50	50	100
17150612	LINUX Programming Lab	0	0	3	2	50	50	100
17150613	Unified Modeling Language Lab	0	0	3	2	50	50	100
Total		15	3	9	21	350	450	800


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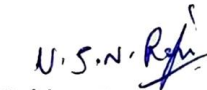
IV Year I Semester

S. No.	Subject Title	Periods per week			C	Scheme of Examination Maximum Marks		
		L	T	P		Int.	Ext.	Total
17150701	Cryptography and Network Security	3	1	0	3	40	60	100
17150702	Mobile Computing	4	0	0	3	40	60	100
17150703	Big Data Analytics	4	0	0	3	40	60	100
17150761 a-e	Elective-I a) Machine Learning b) Distributed Systems c) Cloud Computing d) Fuzzy Set Theory e) E-Commerce	3	0	0	3	40	60	100
17150762 a-e	Elective-II a) Pattern Recognition b) Parallel Processing c) Soft Computing d) Real Time Systems e) Advanced Operating System	3	0	0	3	40	60	100
17159704	Intellectual Property Rights and Patents	1	2	0	1	40	60	100
17150711	Cryptography and Network Security Lab	0	0	3	2	50	50	100
17150712	APP Development Lab	0	0	3	2	50	50	100
17150713	Big Data Analytics Lab	0	0	3	2	50	50	100
17150721	Mini Project-II	0	0	3	2	100	0	100
Total		21	2	12	24	490	510	1000

IV Year II Semester

S. No.	Subject Title	Periods per week			C	Scheme of Examination Maximum Marks		
		L	T	P		Int.	Ext.	Total
17159801	Management Science	4	0	0	3	40	60	100
17150863 a-e	Elective-III a) Artificial Intelligence b) Social Network Analysis c) Virtual Reality d) Neural Networks e) Blockchain Technology	3	1	0	3	40	60	100
17150831	Seminar	2	0	0	1	50	0	50
17150841	Project	0	0	12	9	60	140	200
Total		9	1	12	16	190	260	450


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