

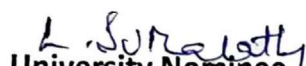
**GODAVARI INSTITUTE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)**

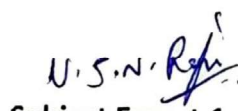
NH-16, Chaitanya Knowledge City, Rajahmundry – 533296. E.G. Dt., - AP.

**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
REGULATION – GR14
B.TECH**


**University Nominee
Dr.L.Sumalatha**


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


**Industry
Mr.B.Mahesh**


**BOS-CHAIRMAN
Dr.B.Sujatha**

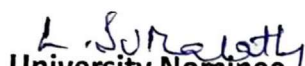
I Year I Semester

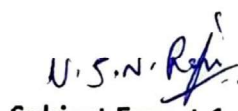
S. No.	Subject Title	Periods per week			C	Scheme of Examination Maximum Marks		
		T	P	D		Int.	Ext.	Total
14159101	English – I	4	-	-	3	30	70	100
14159102	Mathematics-I	4	-	-	3	30	70	100
14159103	Computer Programming-1	4	-	-	3	30	70	100
14159104	Applied Mechanics	4	-	-	3	30	70	100
14159175	Basic Engineering Drawing	1	-	3	3	30	70	100
14159191	Professional Ethics & Human Values [#]	4	-	-	-	-	-	S/U*
14159111	English Communication Lab -I	-	3	-	2	50	50	100
14159112	Computer Programming Lab-1	-	3	-	2	50	50	100
14159113	Engineering Workshop & IT Workshop		3	-	2	50	50	100
Total		21	9	3	21	300	500	800

T- THEORY P – PRACTICAL D- DRAWING C – CREDITS Int. – INTERNAL Ext. – EXTERNAL

I Year II Semester

S. No.	Subject Title	Periods per week			C	Scheme of Examination Maximum Marks		
		T	P	D		Int.	Ext.	Total
14159201	English – II	4	-	-	3	30	70	100
14159202	Mathematics-II	4	-	-	3	30	70	100
14159203	Mathematics – III	4	-	-	3	30	70	100
14159204	Engineering Physics	4	-	-	3	30	70	100
14159205	Advanced Computer Programming	4	-	-	3	30	70	100
14159206	Environmental Studies	4	-	-	3	30	70	100
14159211	English Communication Lab- II	-	3	-	2	50	50	100
14159212	Advanced Computer Programming Lab	-	3	-	2	50	50	100
14159213	Engineering Physics Lab		3	-	2	50	50	100
Total		24	9	0	24	330	570	900


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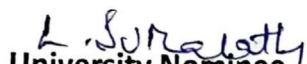

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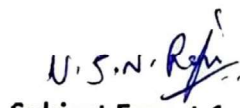
II Year I Semester

S. No.	Subject Title	Periods per week			C	Scheme of Examination Maximum Marks		
		T	P	D		Int.	Ext.	Total
14159301	Managerial Economics and Financial Analysis	4	-	-	3	30	70	100
14150302	Object Oriented Programming through C++	4	-	-	3	30	70	100
14150303	Mathematical Foundations of Computer Science	4	-	-	3	30	70	100
14154304	Digital Logic Design	4	-	-	3	30	70	100
14150305	Data Structures	4	-	-	3	30	70	100
14150311	Object Oriented Programming Lab	-	3	-	2	50	50	100
14150312	Data Structures Lab	-	3	-	2	50	50	100
14154313	Digital Logic Design Lab	-	3	-	2	50	50	100
14159392	Soft Skills – 1 [#]	3	1	-	-	-	-	-
Total		23	10	0	21	300	500	800

II Year II Semester

S. No.	Subject Title	Periods per week			C	Scheme of Examination Maximum Marks		
		T	P	D		Int.	Ext.	Total
14159401	Probability and Statistics	4	-	-	3	30	70	100
14150402	Java Programming	4	-	-	3	30	70	100
14150403	Advanced Data Structures	4	-	-	3	30	70	100
14150404	Formal Languages and Automata Theory	4	-	-	3	30	70	100
14150405	Computer Organization	4	-	-	3	30	70	100
14150411	Advanced Data Structures Lab	-	3	-	2	50	50	100
14150412	Java Programming Lab	-	3	-	2	50	50	100
14150413	Free Open Source Software (FOSS) Lab	-	3	-	2	50	50	100
Total		20	9	0	21	300	500	800


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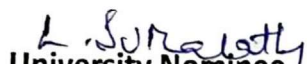

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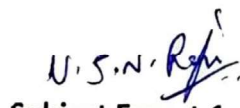
III Year I Semester

S. No	Subject Title	Periods per week			C	Scheme of Examination Maximum Marks		
		T	P	D		Int.	Ext.	Total
14150501	Compiler Design	4	-	-	3	30	70	100
14150502	Data Communication	4	-	-	3	30	70	100
14150503	Principles of Programming Languages	4	-	-	3	30	70	100
14150504	Database Management Systems	4	-	-	3	30	70	100
14150505	Operating Systems	4	-	-	3	30	70	100
14150511	Compiler Design Lab	-	3	-	2	50	50	100
14150512	Operating Systems Lab	-	3	-	2	50	50	100
14150513	Database Management Systems Lab	-	3	-	2	50	50	100
14159596	Soft Skills-II [#]	3	1	-	-	-	-	-
14150521	Mini project/Study Project	-	-	-	2	100	-	100
Total		23	10	0	23	400	500	900

III Year II Semester

S. No.	Subject Title	Periods per week			C	Scheme of Examination Maximum Marks		
		T	P	D		Int.	Ext.	Total
14150601	Computer Networks	4	-	-	3	30	70	100
14150602	Data Warehousing and Mining	4	-	-	3	30	70	100
14150603	Design and Analysis of Algorithms	4	-	-	3	30	70	100
14150604	Software Engineering	4	-	-	3	30	70	100
14150605	Web Technologies	4	-	-	3	30	70	100
14150606	Multimedia Computing	4	-	-	3	30	70	100
14150611	Computer Networks & Network Programming lab	-	3	-	2	50	50	100
14150612	Web Technologies Lab	-	3	-	2	50	50	100
14150613	Linux Programming Lab	-	3	-	2	50	50	100
Total		24	12	0	24	330	570	900


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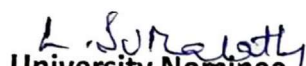
IV Year I Semester

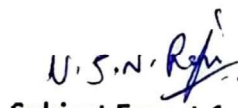
S. No.	Subject Title	Periods per week			C	Scheme of Examination Maximum Marks		
		T	P	D		Int.	Ext.	Total
14150701	Cryptography and Network Security	4	-	-	3	30	70	100
14150702	UML & Design Patterns	4	-	-	3	30	70	100
14150703	Mobile Computing	4	-	-	3	30	70	100
14150704	Software Project Management	4	-	-	3	30	70	100
14150761 a-e	Elective – I	4	-	-	3	30	70	100
14150762 a-e	Elective – II	4	-	-	3	30	70	100
14150711	UML & Design Patterns Lab	-	3	-	2	50	50	100
14150712	Network Security Lab	-	3	-	2	50	50	100
14150795	IPR & Patents	4	-	-	-	-	-	-
14150731	Summer Internship / Training	-	-	-	2	100	-	100
Total		28	6	0	24	380	520	900

IV Year II Semester

S. No.	Subject Title	Periods per week			C	Scheme of Examination Maximum Marks		
		T	P	D		Int.	Ext.	Total
14150804	Distributed Systems	4	-	-	3	30	70	100
14159801	Management Science	4	-	-	3	30	70	100
14150862 a-e	Elective – III	4	-	-	3	30	70	100
14150863 a-e	Elective – IV	4	-	-	3	30	70	100
14150841	Project	-	-	-	9	60	140	200
Total		16	0	0	21	180	420	600

add on courses


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LIST OF ELECTIVES

Elective-I

- 14150761-a) Software Testing Methodologies
- 14150761-b) Simulation Modeling.
- 14150761-c) Information Retrieval Systems
- 14150761-d) Artificial Intelligence.
- 14150761-e) High Performance Computing

Elective-II

- 14150762-a) Digital Forensics
- 14150762-b) Hadoop and Big Data
- 14150762-c).Net programming
- 14150762-d) Machine Learning
- 14150762-e) Advanced Databases

Elective-III

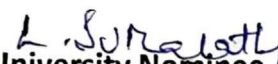
- 14150862-a) Human Computer Interaction
- 14150862-b) Advanced Operating Systems
- 14150862-c) Mobile Adhoc & Sensor Networks
- 14150862-d) Pattern Recognition
- 14150862-e) Digital Image Processing

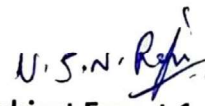
Elective-IV

- 14150863-a) Embedded and Real Time Systems
- 14150863-b) Neural Networks & Soft Computing
- 14150863-c) Social Networks and the Semantic Web
- 14150863-d) Parallel Computing
- 14150863-e) E-Commerce

MOOCS

- a) Data Warehousing and Mining
- b) Design and Analysis of Algorithms
- c) Web Technologies


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