

Department of Master of Computer Applications
R.V.R. & J.C. College of Engineering (A), Guntur – 522019.

The Following are the curriculum changes in R17 stream.

S.No	SUBJECT NAME	SUBJECT CODE	Summary	% OF SYLLABUS CHANGE
1.	Problem Solving with C	CA111	In UNIT I and UNIT IV new content added	5
2.	Computer Organization	CA112	No Change	0
3.	Operating Systems Principles	CA113	In UNIT V new Content added	5
4.	Discrete Mathematical Structures	CA114	In UNIT IV new Content added	5
5.	Accountancy and Financial Management	CA115	In UNIT I new Content added	3
6.	PC Software Lab	CA151	New experiments added: Computer Hardware and Software, Adobe Photoshop	40
7.	C Programming Lab	CA152	No Change	0
8.	Communication Skills Lab	CA153	No Change	0
9.	Data Structures in Python	CA121	NEWLY INTRODUCED	100
10.	Data Base Management Systems	CA122	No Change	0
11.	Computer Networks	CA123	No Change	0
12.	Probability & Statistics	CA124	New Content added in each Unit V	30
13.	Management Information Systems	CA125	NEWLY INTRODUCED	100
14.	Data Structures in Python Lab	CA161	NEWLY INTRODUCED	100
15.	DBMS Lab	CA162	NO Change	0
16.	UNIX Shell Programming Lab	CA163	No Change	0
17.	Object Oriented Programming through JAVA	CA211	In Unit II and Unit V new content added	13
18.	Web Technologies	CA212	Moved from HTML 4.1 to HTML 5	30
19.	Cryptography and Network Security	CA213	New content added in Unit II	5
20.	Operations Research	CA214	New content added in Unit III	10
21.	Software Engineering	CA215	Content added as per the new Edition	20
22.	Java Programming Lab	CA251	New experiments	5

			added: Network Program	
23.	Web Technologies Lab	CA252	Use HTML 5 to implement the experiments	30
24.	Technical Seminar & Report Writing Lab	CA253	NEWLY INTRODUCED	100
25.	.Net Programming	CA221	Text book changed	80
26.	Web Services	CA222	NEWLY INTRODUCED	100
27.	Design and Analysis of Algorithms	CA223	No Change	0
28.	Artificial Intelligence	CA224(A)	No Change	0
29.	Computer Graphics & Multimedia	CA224(B)	In Unit 5 new content added: Multimedia	20
30.	Software Project Management	CA224(C)	NEWLY INTRODUCED	100
31.	Logistics & Supply Chain Management	CA224(D)	NEWLY INTRODUCED	100
32.	Open Source Systems	CA224(E)	NEWLY INTRODUCED	100
33.	Embedded Systems	CA225(A)	New content added in Unit II, Unit V	40
34.	Image Processing using MATLAB	CA225(B)	NEWLY INTRODUCED	100
35.	Object Oriented Modeling and Design using UML	CA225(C)	No Change	0
36.	Advanced DBMS	CA225(D)	NEWLY INTRODUCED	100
37.	Cyber Security	CA225(E)	NEWLY INTRODUCED	100
38.	.Net Programming Lab	CA261	Experiments changed as per the syllabus	60
39.	Web Services Lab	CA262	NEWLY INTRODUCED	100
40.	Soft Skills Lab	CA263	No Change	0
41.	Data Mining and Big Data	CA311	No Change	0
42.	Mobile Application Development using Android	CA312	NEWLY INTRODUCED	100
43.	Cloud Computing	CA313	No Change	0
44.	Machine Learning using R	CA314(A)	NEWLY INTRODUCED	100
45.	Soft Computing	CA314(B)	NEWLY INTRODUCED	100
46.	Software Testing and Quality Assurance	CA314(C)	NEWLY INTRODUCED	100
47.	Enterprise Resource Planning	CA314(D)	NEWLY INTRODUCED	100
48.	Information Retrieval Systems	CA314(E)	NEWLY INTRODUCED	100
49.	Internet of Things	CA315(A)	NEWLY INTRODUCED	100
50.	Bioinformatics	CA315(B)	NEWLY INTRODUCED	100
51.	DevOps	CA315(C)	NEWLY INTRODUCED	100
52.	E-Commerce	CA315(D)	NEWLY INTRODUCED	100
53.	Social Network Analysis	CA315(E)	NEWLY INTRODUCED	100
54.	MOOCs	CA316	NEWLY INTRODUCED	100

55.	Data Mining and Hadoop Lab	CA351	No Change	0
56.	Mobile Application Development using Android Lab	CA352	NEWLY INTRODUCED	100
57.	Mini Project Work	CA353	NEWLY INTRODUCED	100
58.	Major Project Work	CA361	No change	0
Average				51.7413793



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