

KADI SARVA VISHWAVIDYALAYA, GANDHINAGAR

Bachelor of Information Technology Semester 3 Syllabus Structure

Subject Code	Subject Name	Teaching Scheme				Total Credit	Evaluation Scheme					Total Marks
		L (Hrs)	T (Hrs)	P (Hrs)	TOTAL Hrs		Theory Hrs	Marks	IE Marks	CIA Marks	Practical / Viva Marks	
CC 301 B	Discrete Mathematics	3	2	0	5	5	3	70	30	20	0	120
IT 302	Linear Electronics	3	0	2	5	4	3	70	30	20	30	150
IT 303	Data Communication and Networking	3	0	2	5	4	3	70	30	20	30	150
IT 304	Data Structures and Algorithms	3	0	2	5	4	3	70	30	20	30	150
IT 305	Database Management Systems	3	0	2	5	4	3	70	30	20	30	150
IT 306	Object oriented Programming with C++	3	0	2	5	4	3	70	30	20	30	150
Total		18	2	10	30	25	18	420	180	120	150	870

Bachelor of Information Technology Semester 4 Syllabus Structure

Subject Code	Subject Name	Teaching Scheme				Total Credit	Evaluation Scheme					Total Marks
		L (Hrs)	T (Hrs)	P (Hrs)	TOTAL Hrs		Theory Hrs	Marks	IE Marks	CIA Marks	Practical / Viva Marks	
CC 401 B	Probability and Numerical Method	3	1	2	6	5	3	70	30	20	30	150
IT 402	Computer Networking	4	0	2	6	5	3	70	30	20	30	150
CE 403/ IT 403	Computer Organization and Architecture	3	0	2	5	4	3	70	30	20	30	150
CE 404/ IT 404	Design and Analysis of Algorithms	3	0	2	5	4	3	70	30	20	30	150
CE 405/ IT 405	Object Oriented Analysis and Design	3	0	2	5	4	3	70	30	20	30	150
IT 406	Enterprise Resource Planning	3	0	0	3	3	3	70	30	20	0	120
Total		19	1	10	30	25	18	420	180	120	150	870

Bachelor of Information Technology Semester 5 Syllabus Structure

Subject Code	Subject Name	Teaching Scheme				Total Credit	Evaluation Scheme					Total Marks
		L (Hrs)	T (Hrs)	P (Hrs)	TOTAL Hrs		Theory Hrs	Marks	IE Marks	CIA Marks	Practical / Viva Marks	
CC 501	Principles of Management	2	0	0	2	2	3	70	30	20	0	120
IT 502	Information Security	4	0	2	6	5	3	70	30	20	30	150
CE 503 / IT 503	Operating System	4	0	2	6	5	3	70	30	20	30	150
IT 504	Software Engineering	3	0	2	5	4	3	70	30	20	30	150
CE 505 / IT 505	Object Oriented Programming with JAVA	3	0	4	7	5	3	70	30	20	30	150
IT 506	Internet Technology	2	0	4	6	4	3	70	30	20	30	150
Total		18	0	14	32	25	18	420	180	120	150	870

Bachelor of Information Technology Semester 5 Syllabus Structure

Subject Code	Subject Name	Teaching Scheme				Total Credit	Evaluation Scheme					Total Marks
		L (Hrs)	T (Hrs)	P (Hrs)	TOTAL Hrs		Theory Hrs	Marks	IE Marks	CIA Marks	Practical / Viva Marks	
IT 601	Mobile Computing	3	0	2	5	4	3	70	30	20	30	150
CE 602 / IT 602	Artificial Intelligence	3	0	2	5	4	3	70	30	20	30	150
IT 603	Service Oriented Architecture	3	0	2	5	4	3	70	30	20	30	150
CE 604 / IT 604	Theory of Computation	3	0	0	3	3	3	70	30	20	0	120
CE 605 / IT 605	Department Elective-I	3	0	4	7	5	3	70	30	20	30	150
IT 606	Department Elective-II	3	0	4	7	5	3	70	30	20	30	150
Total		18	0	14	32	25	18	420	180	120	150	870
Department Elective-I:	IT 605-1 Advanced Java Programming	Department Elective-II				IT 606-1 Distributed System						
	IT 606-2 E-Commerce & E-Business											
	IT 606-3 Parallel Processing											
	IT 606-4 Optimization Techniques											

