KADI SARVA VISHWAVIDYALAYA, GANDHINAGAR **Bachelor of Information Technology Semester 3 Syllabus Structure Teaching Scheme Evaluation Scheme** Total Total Subject Code Subject Name **TOTAL** ΙE CIA Practical / Theory L (Hrs) T (Hrs) P (Hrs) Credit Marks Marks Marks Viva Marks Hrs Hrs Marks CC 301 B **Discrete Mathematics** IT 302 Linear Electronics IT 303 **Data Communication and Networking Data Structures and Algorithms** IT 304 IT 305 **Database Management Systems** IT 306 Object oriented Programming with C++

Bachelor of Information Technology Semester 4 Syllabus Structure												
Subject Code	Subject Name		Teaching	Scheme		Total Credit			Total			
		L (Hrs)	T (Hrs)	P (Hrs)	TOTAL Hrs		Theory Hrs	Marks	IE Marks	CIA Marks	Practical / Viva Marks	Total 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	g Scheme		Total Credit			Takal			
		L (Hrs)	T (Hrs)	P (Hrs)	TOTAL Hrs		Theory Hrs	Marks	IE Marks	CIA Marks	Practical / Viva Marks	Total 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			Teachin	g Scheme		Total Credit			Total			
	Subject Name	L (Hrs)	T (Hrs)	P (Hrs)	TOTAL Hrs		Theory Hrs	Marks	IE Marks	CIA Marks	Practical / Viva Marks	Total 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
IT 605-1 Advanced Java Programming			IT 606-1 Distributed System									

Department Elective-I: IT 605-2 Advance .Net Technology IT 605-3 Python Programming

Total

Department Elective-II

IT 606-2 E-Commerce & E-Business IT 606-3 Parallel Processing IT 606-4 Optimization Techniques

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Bachelor of Engineering Information Technology Semester 7 Syllabus Structure												
Subject Code			Teaching	Scheme		Total Credit		Ev		Total		
	Subject Name	L (Hrs)	T (Hrs)	P (Hrs)	TOTAL		Theory	Marks	IE	CIA	Practical /	Marks
		L (HIS)	1 (113)	Р (ПІЗ)	Hrs	Credit	Hrs	IVIdIKS	Marks	Marks	Viva Marks	IVIAINS
IT 701	Big Data Analytics	4	0	2	6	5	3	70	30	20	30	150
IT 702	Data Compression	4	0	2	6	5	3	70	30	20	30	150
IT 703	Department Elective-I	4	0	4	8	6	3	70	30	20	30	150
IT 704 / CE 704	Department Elective-II	4	0	2	6	5	3	70	30	20	30	150
IT 705 / CE 705	Mini Project	0	0	6	6	3	0	0	0	50	100	150
	Total	16	0	16	32	24	12	280	120	130	220	750
	IT 703-1 Computer Graphics					IT 704-1 Im	nage Process					
Department Elective-I:	IT 703-2 Mobile Application Development With Android		Department Elective-II			IT 704-2 En	nbedded Sy:					
	IT 703-3 Mobile Application Development With iOS	Department Elec			tive-ii	IT 704-3 Se	mantic Web					
	_				IT 704-4 In	ternet of Th						

Bachelor of Engineering Information Technology Semester 8 Syllabus Structure												
	Subject Name	Teaching Scheme				Total	Evaluation Scheme					
Subject Code		L (Hrs)	T (Hrs)	P (Hrs)	TOTAL Hrs	Credit	Theory	Marks	IE	CIA	Practical /	Total Marks
							Hrs	IVIARKS	Marks	Marks	Viva Marks	IVIdIKS
IT 801	Wireless Communication	4	0	2	6	5	3	70	30	20	30	150
IT 802 / CE 802	Department Elective-I	3	0	2	5	4	3	70	30	20	30	150
IT 803 / CE 803	Project	0	0	34	34	17	0	0	0	300	300	600
Total		7	0	38	45	26	6	140	60	340	360	900
	IT 802-1 Information Retrieval											
Department Elective-I:	IT 802-2 High Perfomance Computing											

IT 802-3 Soft Computing