Bachelor of Computer Applications

SNo. Name of the Course	Dachelor of Computer Applications									
Name of the Course	Semester 1									
1	S No.			Т	Р	S	С	Н	Remarks	
Discrete Mathematics							_		11011111111	
3 Computer System Organisation					0					
A										
Semester II				0				8		
Semester II										
Semester II										
Semester II							20	24		
Name of the Course										
Name of the Course										
1 Open Elective-II		Semester I	I							
2 Probability and Statistics	SN		_	T	P	S	C	Н	Remarks	
3	1	Open Elective-II	3	0	0	0	3	3		
4 Object Oriented Programming using C++ 3 0 1 1 5 8 5 Database Management Systems 3 0 1 1 5 8 Total Credits (BCA) 15 0 3 2 20 27	2	Probability and Statistics	3	0	0	0	3	3		
SN Name of the Course L T P S C H School	3	Data Structures	3	0	1	0	4	5		
Total Credits (BCA)	4	Object Oriented Programming using C++	3	0	1	1	5	8		
SN Name of the Course L T P S C H School	5	Database Management Systems	3	0		1	5	8		
SN Name of the Course L T P S C H School 1 Environmental Literature 3 0 0 0 3 3 SOLE 2 Linear Algebra 3 0 0 0 3 3 SBS 3 Understanding India 3 0 0 0 3 3 SOLE 4 Report Writing 3 0 0 0 3 3 SOLE 5 Environmental Studies 3 0 0 0 3 3 SOLE 5 Environmental Studies 3 0 0 0 3 3 SOLE 5 Introduction to Japanese language and culture-II 3 0 0 0 3 3 SOLE Semester III SN Name of the Course L T P S C H Remarks 1 Operating Sy		Total Credits (BCA)	15	0	3	2	20	27		
SN Name of the Course L T P S C H School 1 Environmental Literature 3 0 0 0 3 3 SOLE 2 Linear Algebra 3 0 0 0 3 3 SBS 3 Understanding India 3 0 0 0 3 3 SOLE 4 Report Writing 3 0 0 0 3 3 SOLE 5 Environmental Studies 3 0 0 0 3 3 SOLE 5 Environmental Studies 3 0 0 0 3 3 SOLE 5 Introduction to Japanese language and culture-II 3 0 0 0 3 3 SOLE Semester III SN Name of the Course L T P S C H Remarks 1 Operating Sy										
Environmental Literature			or II se							
2 Linear Algebra 3 0 0 0 3 3 SBS 3 Understanding India 3 0 0 0 3 3 SOLE 4 Report Writing 3 0 0 0 3 3 SOLE 5 Environmental Studies 3 0 0 0 3 3 SBS 6 Introduction to Japanese language and culture-II 3 0 0 0 3 3 SOLE Semester III SN Name of the Course L T P S C H Remarks 1 Open Elective-IIII 3 0 0 0 3 3 2 Operating Systems 3 0 1 0 4 5 3 Design and Analysis of Algorithms 3 0 1 0 4 5 4 Java Programming 3 0 0 <th>SN</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>	SN									
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4 Report Writing 3 0 0 0 3 3 SOLE 5 Environmental Studies 3 0 0 0 3 3 SBS 6 Introduction to Japanese language and culture-II 3 0 0 0 3 3 SOLE Semester III SN Name of the Course L T P S C H Remarks 1 Open Elective-III 3 0 0 0 3 3 2 Operating Systems 3 0 1 0 4 5 3 Design and Analysis of Algorithms 3 0 1 0 4 5 4 Java Programming 3 0 1 1 5 8 5 Elective-I 3 0 0 0 3 3										
5 Environmental Studies 3 0 0 0 3 3 SBS 6 Introduction to Japanese language and culture-II 3 0 0 0 3 3 SOLE Semester III SN Name of the Course L T P S C H Remarks 1 Open Elective-III 3 0 0 0 3 3 2 Operating Systems 3 0 1 0 4 5 3 Design and Analysis of Algorithms 3 0 1 0 4 5 4 Java Programming 3 0 1 1 5 8 5 Elective-I 3 0 0 0 3 3										
6 Introduction to Japanese language and culture-II 3 0 0 0 3 3 SOLE Semester III SN Name of the Course L T P S C H Remarks 1 Open Elective-III 3 0 0 0 3 3 2 Operating Systems 3 0 1 0 4 5 3 Design and Analysis of Algorithms 3 0 1 0 4 5 4 Java Programming 3 0 1 1 5 8 5 Elective-I 3 0 0 0 3 3					_					
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SN Name of the Course L T P S C H Remarks 1 Open Elective-III 3 0 0 0 3 3 2 Operating Systems 3 0 1 0 4 5 3 Design and Analysis of Algorithms 3 0 1 0 4 5 4 Java Programming 3 0 1 1 5 8 5 Elective-I 3 0 0 0 3 3										
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4 Java Programming 3 0 1 1 5 8 5 Elective-I 3 0 0 0 3 3										
5 Elective-I 3 0 0 0 3 3		· · ·								
15 0 5 1 19 24	3									
		Total Credits (DCA)	15	U	3	1	19	24		

	Semester IV									
Sl No	Name of the Course	L	T	P	S	C	H	Remarks		
1	Machine Learning	3	0	1	1	5	8			
2	Open Elective-IV	3	0	0	0	3	3			
3	Computer Networks	3	0	0	0	3	3			
4	Advanced Web Technology	3	0	1	1	5	8			
5	Elective-II	3	0	1	0	4	5			
	Total Credits (BCA)	15	0	3	2	20	27			

	Semester V									
SN	Name of the Course	L	T	P	S	C	Н	Remarks		
1	Software Engineering and Testing	3	0	1	0	4	5	Mobile App		
2	Open Elective-V	3	0	0	0	3	3	development		
3	Campus to Corporate	1	0	1	0	2	3	project.		
4	Mobile Application Development	3	0	1	1	5	8			
5	Project	0	0	0	0	4	0			
6	Internship	0	0	0	0	4	0			
7	Elective -III	3	0	1	0	4	5			
	Total Credits (BCA)	13	0	4	1	26	24			

	Semester VI									
Sl No	Name of the Course	L	T	P	S	C	Н	Remarks		
1	Capstone Project	0	0	0	0	15				
	Total Credits (BCA)	0	0	0	0	15	0			
	Credits	I	II	Ш	IV	V	VI	ToTal		
	BCA 20 20 19 20 26 15 120									

	List of Electives-I fo	r Semest	ter- III					
SN	Name of the Course	L	T	P	S	C	H	Remarks
1	Introduction to Data Science	3	0	0	0	3	3	
2	Introduction to Cognitive Computing	3	0	0	0	3	3	
	List of Electives-II fo	or Semes	ter- IV	7				
SN	Name of the Course	L	T	P	S	С	Н	Remarks
1	Cryptography	3	0	1	0	4	5	
2	Computer Graphics	3	0	1	0	4	5	
	List of Electives-III	for Seme	ster- V	7				
SN	Name of the Course	L	T	P	S	C	Н	Remarks
1	Data Mining and Web Algorithms	3	0	1	0	4	5	
2	BigData	3	0	1	0	4	5	
	Vocational category for the progra	mmes w	hich fo	llow N	EP 20	20		
SN	Course Name	L	T	P	S	С	Н	Remarks
1	Introduction to Web Technology	3	0	1	0	4	5	Semester 1
2	Introductory Computer Application	3	0	1	0	4	5	and 2
3	Office Automation Tools	3	0	1	0	4	5	Semester 3
4	Introduction to System Administration	3	0	1	0	4	5	and 4
	O El . C	. Daalast						
SN	Course Name	e Basket	Т	P	S		Н	Remarks
SIV	Course transe	L	1	I	3		П	Kemarks

1	Introduction to Japanese language and culture	3	0	0	0	3	3	
2	Introduction to Japanese language and culture-II	3	0	0	0	3	3	
3	Maths and Puzzles	3	0	0	0	3	3	Semester 1
4	Environmental Literature	3	0	0	0	3	3	and 2
5	Environmental Studies	3	0	0	0	3	3	
6	Heartfulness (SOLE)-SDG	3	0	0	0	3	3	
7	Introduction to Cognitive Computing	3	0	0	0	3	3	
8	Understanding India	2	0	1	0	3	4	Semester 3
9	Linear Algebra	2	0	1	0	3	4	and 4
10	Report Writing	3	0	0	0	3	3	and 4
11	Principles of Management	3	0	0	0	3	3	