

Bhavan's Vivekananda College

Department of Computer Science

Sainikpuri, Secunderabad

Autonomous College – Affiliated to Osmania University

BCA I Year

CBCS (Choice Based Credit System) w.e.f. 2018-2019

Scheme of Instruction and Examination

SEMESTER – I										
Sl.No.	Code	Paper Title	Course Type	PPW		Max. Marks		Max. Marks		Credits
				TH	PR	TH	TH-CIA	PR	PR - CIA	
1	BCA 141	Environmental Studies	AECC1	2		50				2
2	BCA 142	Programming in 'C'	DSC1	4		70	30			4
3	BCA 143	Fundamentals of Information Technology	DSC2	4		70	30			4
4	BCA 144	General English	CC	4		70	30			4
5	BCA 145	Information Systems Theory and Applications	DSC3	4		70	30			4
6	BCA 142P	Programming in C Lab			4			50		2
7	BCA 143P	Fundamentals of Information Technology Lab			4			50		2
Total				18	8	330	120	100		22

AECC : Ability Enhancement Compulsory Course

GE : Generic Elective

DSC: Discipline Specific Course

SEC : Skill Enhancement Course

CC : Compulsory Course

DSE: Discipline Specific Elective


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Scheme of Instruction and Examination

SEMESTER – II										
Sl.No.	Code	Paper Title	Course Type	PPW		Max. Marks		Max. Marks		Credits
				TH	PR	TH	TH-CIA	PR	PR - CIA	
1	BCA 241	Programming in C++	DSC4	4		70	30			4
2	BCA 242	IT Hardware	DSC5	4		70	30			4
3	BCA 243	Gender Sensitization	AECC2	2		50				2
4	BCA 244	Data Communication and Networking	DSC6	4		70	30			4
5	BCA 245	Organizations and Functions	DSC7	4		70	30			4
6	BCA 241P	Programming in C++ Lab			4			50		2
7	BCA 242P	IT-Hardware Lab			4			50		2
Total				18	8	330	120	100		22

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BCA III SEMESTER

CBCS (Choice Based Credit System) w.e.f. 2019-2020

Scheme of Instruction and Examination

Sl.No.	Code	Paper Title	Course Type	PPW		Max. Marks		Max. Marks		Credits
				TH	PR	TH	TH-CIA	PR	PR - CIA	
1	BCA341	Effective Documentation and Presentation	SEC1	2		50				2
2	BCA342	System Analysis and Logical Design	DSC8	4		70	30			4
3	BCA343	Operating Systems	DSC9	4		70	30			4
4	BCA344	Object Oriented Programming with Java	DSC10	4		70	30			4
5	BCA345	Mobile Computing	DSC11	4		70	30			4
5	BCA343P	Operating Systems Lab			4			50		2
6	BCA344P	Object Oriented Programming with Java Lab			4			50		2
7	BCA346	Seminar – I			4				50	2
Total				18	12	330	120	100	50	24

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SEC : Skill Enhancement Course

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BCA IV SEMESTER

CBCS (Choice Based Credit System) w.e.f. 2019-2020

Scheme of Instruction and Examination

Sl.No.	Code	Paper Title	Course Type	PPW		Max. Marks		Max. Marks		Credits		
				TH	PR	TH	TH-CIA	PR	PR-CIA			
1	BCA441	Effective Communication	SEC2	2		50				2		
2	BCA442	Internet Protocols	DSC12	4		70	30			4		
3	BCA443	Database Management System	DSC13	4		70	30			4		
4	BCA444	GUI Programming and Data Structures (Using Java)	DSC14	4		70	30			4		
4	BCA445	Artificial Intelligence	DSC15	4		70	30			4		
5	BCA443P	Database Management System Lab			4			50		2		
6	BCA444P	GUI Programming and Data Structures (Using Java) Lab			4			50		2		
7	BCA446	Seminar – II			4				50	2		
Total						18	12	330	120	100	50	24

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BCA V SEMESTER
CBCS (Choice Based Credit System) w.e.f. 2020-2021

Scheme of Instruction and Examination

Sl.No.	Code	Paper Title	Course Type	PPW		Max. Marks		Max. Marks		Credits
				TH	PR	TH	TH-CIA	PR	PR-CIA	
1	BCA541	Discrete Mathematics	GE1	2		50				2
2	BCA542	Object Oriented System Development	DSC16	4		70	30			4
3		Elective-I (Any one of the following including respective lab)	DSE1	4	4	70	30	50		6
	BCA543a	Web Technologies								
	BCA543aP	Web Technologies Lab								
	BCA543b	Mobile Application Development								
	BCA543bP	Mobile Application Development Lab								
	BCA543c	Unix Programming								
	BCA543cP	Unix Programming Lab								

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BCA V SEMESTER
CBCS (Choice Based Credit System) w.e.f. 2020-2021

Scheme of Instruction and Examination

Sl.No.	Code	Paper Title	Course Type	PPW		Max. Marks	Credits		PR-CIA
				TH	PR		TH	PR	
4		Elective-II (Any one of the following including respective lab)	DSE2	4	4	70	30	50	6
	BCA544a	Advanced Java Programming							
	BCA544aP	Advanced Java Programming Lab							
	BCA544b	Scripting Language							
	BCA544bP	Scripting Language Lab							
	BCA544c	. Net and C# Programming							
	BCA544cP	. Net and C# Programming Lab							
5	BCA545a	CASE Tools							
	BCA545b	Advanced Excel	SEC3	2		50			2
	BCA545c	PL-SQL							
6	BCA546	Seminar-III			4				50 2
7	BCA547	Mini Project			4				50 2
		Total		16	16	310	90	100	100 24

SEC : Skill Enhancement Course

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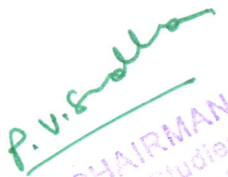
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BCA VI SEMESTER
CBCS (Choice Based Credit System) w.e.f. 2020-2021

Scheme of Instruction and Examination

Sl.No.	Code	Paper Title	Course Type	PPW		Max. Marks		Max. Marks		Credits
				TH	PR	TH	TH-CIA	PR	PR-CIA	
1	BCA641	Data Analysis	GE2	2		50				2
2	BCA642	Software Testing	DSC17	4		70	30			4
3		Elective-III (Any one of the following)	DSE3	4		70	30			4
	BCA643a	Information Security								
	BCA643b	Grid Computing								
	BCA643c	Multimedia								
4		Elective-IV (Any one of the following)	DSE4	4		70	30			4
	BCA644a	E-Commerce								
	BCA644b	Big Data								
	BCA644c	Data Warehouse and Data Mining								

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BCA VI SEMESTER
CBCS (Choice Based Credit System) w.e.f. 2020-2021

Scheme of Instruction and Examination

Sl.No.	Code	Paper Title	Course Type	PPW		Max. Marks		Max. Marks		Credits	
				TH	PR	TH	TH-CIA	PR	PR-CIA		
5	BCA645a	PHP	SEC4	2		50				2	
	BCA645b	Cloud Computing									
	BCA645c	Introduction to Data Science									
6	BCA646	Seminar - IV								50	2
7	BCA647	Main Project						125	25	6	
Total				16	10	310	90	125	75	24	

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P.V. Srinivas

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BCA OVERALL 3 YEARS CREDITS (2018-19 to 2020-21)

CBCS (Choice Based Credit System)

Sl.No.	Course Type	No. of Papers	Credits
1	AECC	2	04
2	SEC	4	08
3	GE	2	04
4	DSE	4	20(16+04P)
5	CC	1	04
6	DSC	17	84(68+16P)
7	Seminar	4	08
8	Mini Project	1	02
8	Project	1	06
	Total		140

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BCA OVERALL 3 YEARS CREDITS SEMESTER WISE(2018-19 to 2020-21)

CBCS (Choice Based Credit System)

<i>Sl.No.</i>	<i>Semester</i>	<i>Credits</i>
1	I	22
2	II	22
3	III	24
4	IV	24
4	V	24
5	VI	24
	<i>Total</i>	140

P.V. Sankar

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