

Annexure -IV

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Programme: BCA (2015-2018)

The overall credits structure

Credit Distribution	
Category	Credits
DC	95
BS	4
BES	8
HU	8
Total	115

Total Credits = 115

Basic Science (BS) Core			
ES-101	Element of Statistics	3-1-0	4
	Total BS Core	3-1-0	4

Humanities and Social Sciences (HU)			
PC-101	Professional Communication	2-1-2	4
HU-315	Cyber Securities and Cyber Law	3-1-0	4
	Total BS Core	5-2-2	8

Basic Engineering & Sciences (BES) Core			
DE-301	Digital Electronics	3-1-0	3
DE-301L	Digital Electronics(Lab)	0-0-2	1
PA-401	Principle of Accounting	3-1-0	4
	Total BES Core	6-2-2	8

Discipline Core (DC)			
BCA-111	C Programming	3-1-0	3
BCA-111L	C Programming(Lab)	0-0-2	1
BCA-112	Computer Fundamental and Office Automation	3-1-0	3
BCA-112L	Computer Fundamental and Office Automation(Lab)	0-0-2	1
BCA-113	Programming Principles and Algorithms	3-1-0	3
BCA-113L	Programming Principles and Algorithms(Lab)	0-0-2	1
BCA-121	Data Communication	3-1-0	4
BCA-122	Discrete Mathematics and Automata Theory	3-1-0	4
BCA-123	Data Structure using C	3-1-0	3
BCA-123L	Data Structure using C(Lab)	0-0-2	1
BCA-124	Database Management System	3-1-0	3
BCA-124L	Database Management System(Lab)	0-0-2	1
BCA-125	Operating System	3-1-0	4
BCA-211	Object Oriented Programming with C++	3-1-0	3
BCA-211L	Object Oriented Programming with C++(Lab)	0-0-2	1
BCA-212	E-Commerce	3-1-0	4
BCA-213	Software Engineering	3-1-0	4
BCA-214	Computer Networks	3-1-0	4
BCA-216	Mini project 1	0-0-4	2
BCA-221	Core Java	3-1-0	3
BCA-221L	Core Java(Lab)	0-0-2	1
BCA-222	Unix with Shell Programming	3-1-0	3
BCA-222L	Unix with Shell Programming(Lab)	0-0-2	1
BCA-223	Computer Graphics	3-1-0	3
BCA-223L	Computer Graphics(Lab)	0-0-2	1
BCA-224	Numerical Methods	3-1-0	4
BCA-226	Mini project 2	0-0-4	2
BCA-311	Mobile and Cloud Computing	3-1-0	3
BCA-311L	Mobile and Cloud Computing(Lab)	0-0-2	1
BCA-312	Web Technologies	3-1-0	3
BCA-312L	Web Technologies(Lab)	0-0-2	1
BCA-313	Systems Programming	3-1-0	3
BCA-313L	Systems Programming(Lab)	0-0-2	1
BCA-316	Major project-I	0-0-8	4
BCA-326	Major Project-II	0-0-16	8
BCA-327	Seminar	0-0-6	3
	Total Core	54-19-62	95