

BCA

Objective

To create high caliber solution architects and innovators for software development. The main objectives of BCA Program are to prepare the youth to take up positions as system analysts, system engineers, software engineers, programmers and of course as versatile teachers in any area of computer applications. Accordingly the course curriculum aims at developing 'systems thinking', 'abstract thinking', 'skills to analyze and synthesize' and 'skills to apply knowledge' through 'extensive problem solving sessions', 'hands on practice under various hardware/software environments', 'minor projects. In addition, 'social interaction skills', 'communication skills', 'life skills', 'entrepreneurial skills', and 'research skills' which are necessary for career growth and for leading quality life are also imparted.

Mission

To teach 'things just not words', 'how to think', and 'how to self-learn'.

Program Structure

SEMESTER I

Course Number	Course Title	Credit Value	#Lec	#Tut.	#Lab.	Weightage for EoTE/IA	EoTE
101	Fundamentals of IT	5	3	2	-	60%/40%	Univ
102	Database Management Systems	5	3	2	-	60%/40%	Univ
103	C Programming – I	5	3	2	-	60%/40%	Univ
104	Principles of Management	4	2	2	-	60%/40%	Univ

105	Lab on MS-Office Suite	2	-	-	4	60%/40%	Univ
106	Lab on C Programming – I	2	-	-	4	60%/40%	Univ
107	General course-I English language	2	2	-	-	60%/40%	Univ
total		25	13	08	08		

SEMESTER II

Course Number	Course Title	Credit Value	#Lec	#Tut.	#Lab.	Weightage for EoTE/IA	EoTE
201	Computer Organization and Architecture	5	3	2	-	60%/40%	Univ
202	Database application with Oracle	5	3	2	-	60%/40%	Univ

SEMESTER II

203	C Programming – II	5	3	2	-	60%/40%	Univ
204	Financial and Management Accounting	4	2	2	-	60%/40%	Univ
205	Lab on C Programming – II and Oracle	2	-	-	4	60%/40%	Univ
206	Minor Project – I	2	-	-	4	60%/40%	Univ
207	General Course II Business Communication	2	2	-	-	Continuous Assessment	Institute
total		25	13	08	08		

SEMESTER III

Course Number	Course Title	Credit Value	#Lec	#Tut.	#Lab.	Weightage for EoTE/IA	EoTE
301	Operating Systems	5	3	2	-	60%/40%	Univ

SEMESTER II

302	Software Engineering	5	3	2	-	60%/40%	Univ
303	Data Structures	5	3	2	-	60%/40%	Univ
304	Mathematics	4	2	2	-	60%/40%	Univ
305	Lab on Data Structures	2	-	-	4	60%/40%	Univ
306	Minor Project – II	2	-	-	4	60%/40%	Univ
307	General Course III Environmental Studies	2	2	-	-	Continuous Assessment	Institute
total		25	13	08	08		

SEMESTER IV

Course Number	Course Title	Credit Value	#Lec	#Tut.	#Lab.	Weightage for EoTE/IA	EoTE
401	Computer Networks – I	5	3	2	-	60%/40%	Univ
402	Software Testing	5	3	2	-	60%/40%	Univ
403	Java Programming	5	3	2	-	60%/40%	Univ
404	Statistics	4	2	2	-	60%/40%	Univ
405	Lab on Java	2	-	-	4	60%/40%	Univ
406	Minor Project – III	2	-	-	4	60%/40%	Univ
407	General Course IV Aptitude – I	2	2	-	-	Continuous Assessment	Institute
total		25	13	08	08		

SEMESTER V

Course Number	Course Title	Credit Value	#Lec	#Tut.	#Lab.	Weightage for EoTE/IA	EoTE
501	Introduction to the Internet Technologies	5	3	2	-	60%/40%	Univ
502	Object Oriented Analysis and Design	5	3	2	-	60%/40%	Univ
503	C# Programming	5	3	2	-	60%/40%	Univ
504	Combinotrics and Graph Theory	4	2	2	-	60%/40%	Univ
505	Lab on Internet Technology and C# Programming	2	-	-	4	60%/40%	Univ
506	Introduction to Linux Operating System	2	-	-	4	60%/40%	Univ
507	General Course V Aptitude – II	2	2	-	4	Continuous Assessment	Institute

SEMESTER V

total	25	13	08	12
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SEMESTER VI

Course Number	Course Title	Credit Value	#Lec	#Tut.	#Lab.	Weightage for EoTE/IA	EoTE
601	Information Security	5	3	2	-	60%/40%	Univ
602	Business Intelligence	5	3	2	-	60%/40%	Univ
603	Website Development	5	3	2	-	60%/40%	Univ
604	Operations Research	4	2	2	-	60%/40%	Univ
605	Lab on Website Development	2	-	-	4	60%/40%	Univ

SEMESTER VI

606	Minor Project – IV	2	-	-	4	60%/40%	Univ
607	General Course VI Technical Interview Skills	2	2	-	-	Continuous Assessment	Institute
total		25	13	08	08		
