DEPARTMENT OF COMPUTER SCIENCE AND APPLICATIONS
PROGRAMME: – BCA

		SEMESTER – I		
Common Course	ENG1A01	TRANSACTIONS;ESSENTIAL ENGLISH LANGUAGE SKILLS	3	5
Common Course	ENG1A02	WAYS WITH WORDS ; LITERATURES IN ENGLISH	3	4
Common Course	MAL1A01(2)	MALAYALA BHASHAYUM SAHITHYAVUM - I	4	4
Core Course	BCA1B01	COMPUTER FUNDAMENTALS & HTML	3	4
Complementary Course	BCA1C01	MATHEMATICAL FOUNDATION OF COMPUTER APPLICATIONS	3	4
Optional Complementary	BCA1C02	DISCRETE MATHEMATICS	3	4
		SEMESTER – II		
Common Course	ENG2A03	WRITING FOR ACADEMIC & PROFESSIONAL SUCCESS	4	5
Common Course	ENG2A04	ZEITGEIST-READINGS ON CONTEMPORARY CULTURE	4	4
Common Course	MAL2A02(2)	MALAYALABHASHAYUM SAHITHYAVUM-II	4	4
Core Course	BCA2B02	PROBLEM SOLVING USING C	3	4
Core Course(Practical)	BCA2B03	PROGRAMMING LABORATORY I : HTML & PROGRAMMING IN C	4	4
Complementary Course	BCA2C03	FINANCIAL & MANAGEMENT ACCOUNTING	3	4
Complementary Course	BCA2C04	OPERATIONS RESEARCH	3	4
		SEMESTER – III		
Complementary Course	A11	PYTHON PROGRAMMING	4	4
Complementary Course	A12	SENSORS AND TRANSDUCERS	4	4
Core Course	BCA3B04	DATA STRUCTURES USING C	3	7
Core Course	BCA3C05	COMPUTER ORIENTED NUMERICAL AND STATISTICAL METHODS	3	5
Core Course	BCA3C06	THEORY OF COMPUTATION	3	5
		SEMESTER – IV		
Complementary Course	A13	DATA COMMUNICATION AND OPTICAL FIBERS	4	4
Complementary Course	A14	MICROPROCESSORS-ARCHITECTURE AND PROGRAMMING	4	4
Core Course	BCA4B05	DATABASE MANAGEMENT SYSTEM AND RDBMS	3	7
Core Course(Practical)	BCA4B06	PROGRAMMING LABORATORY II: DATA STRUCTURES & RDBMS	4	8
Complementary Course	BCA4C07	E-COMMERCE	3	5
Core Course	BCA4C08	COMPUTER GRAPHICS	3	5
		SEMESTER – V		
Core Course	BCA5B08	JAVA PROGRAMMING	3	6
Core Course	BCA5B07	COMPUTER ORGANIZATION AND ARCHITECTURE	3	4
Core Course	BCA5B09	WEB PROGRAMMING USING PHP	3	6
Core Course	BCA5B10	PRINCIPLES OF SOFTWARE ENGINEERING	3	4
Complementary Course	BCM5D03	BASIC ACCOUNTING	3	3
		SEMESTER – VI		
Core Course	BCA6B11	ANDROID PROGRAMMING	3	7
Core Course	BCA6B12	OPERATING SYSTEMS	3	7
Core Course	BCA6B13	COMPUTER NETWORKS	3	5
Core Course	BCA6B16A	SYSTEM SOFTWARE	3	4
Core Course(Practical)	BCA6B14	PROGRAMMING LABORATORY III-JAVA AND WEB PROGRAMMING	4	6
Core Course(Practical)	BCA6B15	PROGRAMMING LABORATORY IV: LAB EXAM OF ANDROID & LINUX SHELL PROGRAMMING	4	6
Core Course(Project)	BCA6B16	PROJECT AND VIVA VOCE	3	2

DEPARTMENT OF COMPUTER SCIENCE AND APPLICATIONS
PROGRAMME:– BSC COMPUTER SCIENCE

		SEMESTER – I		
Common Course	ENG1A01	TRANSACTIONS;ESSENTIAL ENGLISH LANGUAGE SKILLS	3	5
Common Course	ENG1A02	WAYS WITH WORDS ; LITERATURES IN ENGLISH	3	4
Common Course	MAL1A01(2)	MALAYALA BHASHAYUM SAHITHYAVUM - I	4	5
Core Course	BCS1B01	COMPUTER FUNDAMENTALS AND HTML	3	3
Complementary Course	MAT1C01	MATHEMATICS	3	4
Complementary Course	ST1C01	BASIC STATISTICS AND PROBABILITY	3	4
		SEMESTER – II		
Common Course	ENG2A03	WRITING FOR ACADEMIC & PROFESSIONAL SUCCESS	4	5
Common Course	ENG2A04	ZEITGEIST-READINGS ON CONTEMPORARY CULTURE	4	4
Common Course	MAL2A02(2)	MALAYALABHASHAYUM SAHITHYAVUM-II	4	5
Core Course	BCS2B02	PROBLEM SOLVING USING C	3	3
Core Course(Practical)	BCS2B03	PROGRAMMING LABORATORY I: HTML AND PROGRAMMING IN C	4	4
Complementary Course	MAT2C02	MATHEMATICS	3	4
Complementary Course	ST2C02	PROBABILITY DISTRIBUTIONS	3	4
		SEMESTER – III		
Complementary Course	A11	PYTHON PROGRAMMING	4	4
Complementary Course	A12	SENSORS AND TRANSDUCERS	4	4
Core Course	BCS3B04	DATA STRUCTURES USING C	3	7
Complementary Course	MAT3C03	MATHEMATICS	3	5
Complementary Course	ST3CO3	STATISTICAL INFERENCE	3	5
		SEMESTER – IV		
Complementary Course	A13	DATA COMMUNICATION AND OPTICAL FIBERS	4	4
Complementary Course	A14	MICROPROCESSORS-ARCHITECTURE AND PROGRAMMING	4	4
Core Course	BCS4B05	DATABASE MANAGEMENT SYSTEM AND RDBMS	3	7
Core Course(Practical)	BCS4B06	PROGRAMMING LABORATORY II: DATA STRUCTURES AND RDBMS	4	8
Complementary Course	MAT4C04	MATHEMATICS	3	5
Complementary Course	ST4C04	APPLIED STATISTICS	3	5
		SEMESTER – V		
Core Course	BCS5B07	COMPUTER ORGANIZATION AND ARCHITECTURE	3	4
Core Course	BCS5B08	JAVA PROGRAMMING	3	6
Core Course	BCS5B09	WEB PROGRAMMING USING PHP	3	6
Core Course	BCS5B10	PRINCIPLES OF SOFTWARE ENGINEERING	3	4
Complementary Course	MAT5D02	MATHEMATICS FOR NATURAL SCIENCES	3	3
		SEMESTER – VI		
Core Course	BCS6B11	ANDROID PROGRAMMING	3	7
Core Course	BCS6B12	OPERATING SYSTEMS	3	7
Core Course	BCS6B13	COMPUTER NETWORKS	3	5
Core Course	BCS6B16A	SYSTEM SOFTWARE	3	4
Core Course(Practical)	BCS6B14	PROGRAMMING LABORATORY III: JAVA AND PHP PROGRAMMING	4	6
Core Course(Practical)	BCS6B15	PROGRAMMING LABORATORY IV: ANDROID AND LINUX SHELL PROGRAMMING	4	6
Core Course(Project)	BCS6B17	PROJECT WORK	3	2