

Annexure – B

It is to be noted that, there are changes in the course structure only. Revised course structure is enclosed. Detailed syllabus for same papers will remain unchanged.

Course structure of UG Computer Applications

SEM.	COURSE OPTED	COURSE NAME	CREDITS
I	Ability Enhancement Course-1	AEC-1 (Environmental Science)	2
	Core Course-1	Digital Logic	4
	Core Course-1 Practical	Digital Logic LAB	2
	Core Course-2	Programming using C	4
	Core Course-2 Practical	Programming using C LAB	2
	Generic Elective/ Inter-disciplinary Course -1	GE/IC-1 (Principles of Management)	4
	Generic Elective/ Inter-disciplinary Course -1 Tutorial/Practical	GE/IC -1 Tutorial/ LAB (Principles of Management Tutorial)	2
II	Ability Enhancement Course-2	AEC-2 (English/ MIL Communication)	2
	Core Course-3	Programming using C++	4
	Core Course-3 Practical	Programming using C++ LAB	2
	Core Course-4	Data Structures	4
	Core Course-4 Practical	Data Structures LAB	2
	Generic Elective/ Inter-disciplinary Course -2	GE/IC-2 (Statistics)	4
	Generic Elective/ Inter-disciplinary Course-2 Tutorial/Practical	GE/IC -2 Tutorial/ LAB (Statistics LAB)	2
III	Core Course-5	JAVA Programming	4
	Core Course-5 Practical	JAVA Programming LAB	2
	Core Course-6	Operating Systems	4
	Core Course-6 Practical	Operating Systems LAB	2
	Core Course-7	Discrete Mathematical Structures	4
	Core Course-7 Practical	Discrete Mathematical Structures LAB	2
	Skill Enhancement Course-1	SEC-1 (Python Programming)	2
	Generic Elective/ Inter-disciplinary Course -3	GE/IC-3 (Business Accounting)	4
	Generic Elective/ Inter-disciplinary Course -3 Tutorial/Practical	GE/IC -3 Tutorial/ LAB (Business Accounting Tutorial)	2
IV	Core Course-8	Computer Organization	4
	Core Course-8 Practical	Computer Organization LAB	2
	Core Course-9	Computer Networks	4
	Core Course-9 Practical	Computer Networks LAB	2
	Core Course-10	Database Systems	4

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	Core Course-10 Practical	Database Systems LAB	2
	Skill Enhancement Course-2	SEC-2 (Android Programming)	2
	Generic Elective/ Inter-disciplinary Course -4	GE/IC-4 (Business Economics)	4
	Generic Elective/ Inter-disciplinary Course -4 Tutorial/Practical	GE/IC-4 Tutorial/ LAB (Business Economics Tutorial)	2
V	Core Course-11	Web Technology	4
	Core Course-11 Practical	Web Technology LAB	2
	Core Course-12	Software Engineering	4
	Core Course-12 Practical	Software Engineering LAB	2
	Discipline Specific Elective-1	DSE-1 (Unix Programming)	4
	Discipline Specific Elective-1 Practical	DSE-1 LAB/ Tutorial (Unix Programming LAB)	2
	Discipline Specific Elective-2	DSE-2 (Data Mining)	4
	Discipline Specific Elective-2 Practical	DSE-2 LAB/ Tutorial (Data Mining LAB)	2
VI	Core Course-13	Computer Graphics	4
	Core Course-13 Practical	Computer Graphics LAB	2
	Core Course-14	Numerical Techniques	4
	Core Course-14 Practical	Numerical Techniques LAB	2
	Discipline Specific Elective-3	DSE-3 (Data Science)	4
	Discipline Specific Elective-3 Practical	DSE-3 LAB/ Tutorial (Data Science LAB)	2
	Discipline Specific Elective-4	DSE-4 (Project Work / E-Commerce)	6/4
	Discipline Specific Elective-4 Practical	DSE-4 LAB/ Tutorial(E-Commerce Tutorial)	2

CORE Papers: (Credit: 06 each)

CORE – 1: Digital Logic

CORE – 2: Programming Using C

CORE – 3: Programming Using C++

CORE – 4: Data Structure

CORE – 5: Java Programming

CORE – 6: Operating Systems

CORE – 7: Discrete Mathematical Structures

CORE – 8: Computer Organization

CORE – 9: Computer Networks

CORE – 10: Database Systems

CORE – 11: Web Technologies

CORE – 12: Software Engineering

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CORE – 13: Computer Graphics
CORE – 14: Numerical Techniques

Discipline Specific Electives (DSE) Papers: (Credit: 06 each)

DSE-1: Unix Shell Programming
DSE-2: Data Mining
DSE-3: Data Science
DSE-4: Project Work / E-Commerce

Skill Enhancement Courses (SEC):(Credit: 02 each)

SEC – 1: Python Programming
SEC – 2: Android Programming

Ability Enhancement Courses(AEC): (Credit: 02 each)

AEC – 1: Environmental Science.
AEC – 2: English/MIL Communication

Generic Elective (GE)/ Interdisciplinary Course (IC):(Credit: 06 each)

GE/IC – 1:Principles of Management
GE/IC – 2:Statistics
GE/IC – 3:Business Accounting
GE/IC – 4: Business Economics

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