

Department of Computer Science

B.Voc.(Software Development) - Course Structure

Semester	General Education Component			Skill Component		
I	COM-I.SD-G1 Language Paper-I	Theory Credits 4	Practical Credits 0	COM- I.SD-SK1 Office Automation Tools	Theory Credits 3	Practical Credits* 3
	COM-I.SD-G2 Elements of Basic Statistics	Theory Credits 4	Practical Credits 0	COM- I.SD-SK2 Web Designing	Theory Credits 3	Practical Credits 3
	COM- I.SD-G3 Cyber Security	Theory Credits 4	Practical Credits 0	COM- I.SD-SK3 Introduction to Programming	Theory Credits 3	Practical Credits 3
	COM-II.SD-G4 Language Paper-II	Theory Credits 4	Practical Credits 0	COM-II.SD-SK4 Computer Organisation and Operating	Theory Credits 3	Practical Credits 3

II				System		
	COM-II.SD-G5	Theory Credits	Practical Credits	COM-II.SD-SK5	Theory Credits	Practical Credits
	Mathematical foundation in Computer Science	4	0	Data Structure	3	3
	COM-II.SD-G6	Theory Credits	Practical Credits	COM-II.SD-SK6	Theory Credits	Practical Credits
	Academic Writing	4	0	Multimedia	3	3
Outcome	1: Office Assistant 2: Programming Assistant 3: Technical Assistant 4: Hardware Technician 5: Desktop Publishers					
Semester	General Education Component			Skill Component		
III	COM-III.SD-G7	Theory Credits	Practical Credits	COM- III.SD-SK7	Theory Credits	Practical Credits
	Environmental Studies-I	2	0	Object Oriented Paradigm	3	3
	COM- III.SD-G8	Theory Credits	Practical Credits	COM- III.SD-SK8	Theory Credits	Practical Credits
	Business Communication	4	0	Computer Network	3	3

	COM- III.SD-G9 Accounting for Non-accountants	Theory Credits 4	Practical Credits 0	COM- III.SD-SK9 Database Management Systems	Theory Credits 3	Practical Credits 3
	Internship	Credits 2				
IV	COM-IV.SD-G10 Entrepreneurship	Theory Credits 4	Practical Credits 0	COM- IV.SD-SK10 Web Development Framework	Theory Credits 3	Practical Credits 3
	COM- IV.SD-G11 Environmental Studies-II	Theory Credits 2	Practical Credits 0	COM- IV.SD-SK11 Agile Software Engineering	Theory Credits 3	Practical Credits 3
	COM- IV.SD-G12 Personality Enhancement	Theory Credits 4	Practical Credits 0	COM- IV.SD-SK12 Mobile Application Development	Theory Credits 3	Practical Credits 3

	Internship	Credits				
		2				
Outcome	1:Assistant Programmer 2:Android Application Developer 3:Web Designer 4: Network Administrator 5: Database Administrator					
Semester	General Education Component			Skill Component		
V	COM-V.SD-G13	Theory Credits	Practical Credits	COM-V.SD-SK13	Theory Credits	Practical Credits
	Lean startups and Innovation	4	0	Internet of Things	3	3
	COM-V.SD-G14	Theory Credits	Practical Credits	COM-V.SD-SK14	Theory Credits	Practical Credits
Managerial Economics	4	0	Software Testing	3	3	
COM-V.SD-G15	Theory Credits	Practical Credits			Credits	
Human Values and Professional Ethics	4	0	Project Work		6	

VI	COM-VI.SD-G16	Theory Credits	Practical Credits	COM- VI.SD-SK15	Theory Credits	Practical Credits
	E-Governance	4	0	Network Security	3	3
	COM- VI.SD-G17	Theory Credits	Practical Credits	COM- VI.SD-SK16	Theory Credits	Practical Credits
	Nutrients and Health	4	0	Digital Marketing and E-Commerce	3	3
	COM-VI.SD-G18	Theory Credits	Practical Credits		Credits	
	HCI and Design Thinking	4	0	Project Work	6	
Outcome	1: Software Programmer 2: Software Developer 3: Server Administrator 4: Software Project Analyst 5: Software Tester 6: Lab Instructor					

- * 1 Practical Credit=3 Hrs

