

# Govt. College Narwana Jind

Week Wise Lesson Plan 2023-24 (Odd Semester) Computer Science

Dr Sourbh Trivedi (Android Programming) BCA 5<sup>TH</sup> SEM

August	
Week 1	Introduction: Program vs. Software, Software Engineering,
Week 2	Software Crisis – problem and causes, Phases in Software development: .
Week 3	Programming paradigms, Software Crisis – problem and causes, Phases in Software development: .
Week 4	Requirement Analysis, Software Design
Week 5	Coding, Testing, Maintenance.
September	
Week 1	Software Development Process Models: Waterfall, Prototype, Evolutionary and Spiral models
Week 2	Feasibility Study, Software Requirement Analysis and Specifications: SRS, Role of Metrics
Week 3	Need for SRS , Characteristics of an SRS, Components of an SRS, Problem Analysis, Information
Week 4	gathering tools, Organizing and structuring information, Requirement specification
October	
Week 1	SCM ,Structured Analysis and Tools: Data Flow Diagram. Data Dictionary, Decision table, Decision tress, Structured English
Week 2	, Entity-Relationship diagrams, Cohesion and Coupling., Gantt chart, PERT Chart, Software Maintenance: Type of maintenance
Week 3	Management of Maintenance, Maintenance Process, maintenance characteristics,
Week 4	Software Project Planning: Cost estimation : COCOMO model, Project scheduling,
Week 5	Assignment , Organizing and structuring information, Requirement specification
November	
Week 1	Quality assurance plans, Software testing strategies: unit testing
Week 2	Project monitoring plans, Risk Management
Week 3	Cohesion and Coupling., Gantt chart
Week 4	Management of Maintenance, Maintenance Process
December	
Week 1	Characteristics of an SRS, Components of an SRS
Week 2	Waterfall, Prototype, Evolutionary and Spiral models
Week 3	revision

Week Wise Lesson Plan 2023-24 (Odd Semester) Computer Science

BBA 5<sup>TH</sup> SEM Fundamental of E-commerce Dr Sourbh Trivedi

	August
Week 1	Overview of e-commerce :-Definition of e-commerce role of internet of e-commerce
Week 2	Implication of e-commerce for accounting professionals
Week 3	Regulatory environment cryptography issues
Week 4	Privacy issues(children and issues adult right)
Week 5	Domain name disputes
	September
Week 1	Electronic agreements
Week 2	Digital signature
Week 3	Internet service provider
Week 4	Firewall Transmission control protocol ,internet protocol
	October
Week 1	Open system interconnection components of firewall
Week 2	Limitation of the security preventions provide by firewall
Week 3	EDI e-commerce& internet
Week 4	Traditional EDI system
Week 5	Value added network
	November
Week 1	Partially & fully integrated EDI System
Week 2	Benefit of EDI system
Week 3	Financial EDI & EDI system & internet
Week 4	Intelligent agents
	December
Week 1	Web based marketing ,risk management paradigm
Week 2	Role of internet
Week 3	Control in risk management

Week Wise Lesson Plan 2023-24 (Odd Semester) Computer Science

BA ENG HONS 1<sup>st</sup> SEM Fundamental of Computer Science Dr Sourbh Trivedi

	August
Week 1	Computer Fundamental:- Evolution of computers through generation ,characteristics of computers
Week 2	Strengths and Limitations of computer classification of computers
Week 3	Functional components of computer system application of computer in various field
Week 4	Types of software system software application software
Week 5	Utility software Memory system concept of bit, bite word nibble storage location and address
	September
Week 1	Measuring unit of storage capacity access time concept of memory hierarchy primary memory
Week 2	RAM ROM ,PROM ,Secondary memory ,types of storage device Magnetic Tap, Hard disc
Week 3	Optical disc flash memory I/O Device I/O part of Desk Top computer, Device Controller Device Deriver input device
Week 4	Classification and use, Keyboard pointing device mouse touch pad track ball,joystic
	October
Week 1	Magnetic stripes scanner digital camera and microphone output devices , speaker ,
Week 2	Introduction to operating system, Definition of operating , function of operating system
Week 3	Feature of operating system icon, folder ,file ,start button, Task bar ,Status Button, folder, short cut Recycle Bin
Week 4	Desktop my computer My documents
Week 5	The internet, introduction to Network and internet
	November
Week 1	History of internetworking of internet modes of connecting of internet
Week 2	Electronic mail introduction advantage and disadvantages user ids ,password e-mail address

Week 3	Message components ,message composition mailer feature browsers and search engines
Week 4	Window Explorer ,control panel
	December
Week 1	printer classification ,laser in jet dot matrix plotter
Week 2	function of operating system
Week 3	revision