Program : Computer Science and Design Third Year : Semester - V		
CSC501.1	Understand concepts of Theoretical Computer Science, difference and equivalence of DFA and NFA, languages described by finite automata and regular expressions.	
CSC501.2	Design Context free grammar, pushdown automata to recognize the language.	
CSC501.3	Develop an understanding of computation through Turing Machine.	
CSC501.4	Acquire fundamental understanding of decidability and undecidability.	
Course Co	de: CSC502 Course Name: Software Engineering	
CSC502.1	Identify requirements & assess the process models.	
CSC502.2	Plan, schedule and track the progress of the projects.	
CSC502.3	Design the software projects.	
CSC502.4	Do testing of software project.	
CSC502.5	Identify risks, manage the change to assure quality in software projects.	
Course Code: CSC503 Course Name: Computer Network		
CSC503.1	Demonstrate the concepts of data communication at physical layer and compare ISO – OSI model with TCP/IP model.	
CSC503.2	Explore different design issues at data link layer.	
CSC503.3	Design the network using IP addressing and sub netting / supernetting schemes.	
CSC503.4	Analyze transport layer protocols and congestion control algorithms.	
CSC503.5	Explore protocols at application layer.	
Course Code: CSC504 Course Name: Data Warehousing and Mining		
CSC504.1	Understand data warehouse fundamentals and design data warehouse with dimensional modelling and apply OLAP operations.	
CSC504.2	Understand data mining principles and perform Data preprocessing and Visualization.	
CSC504.3	Identify appropriate data mining algorithms to solve real world problems.	
CSC504.4	Compare and evaluate different data mining techniques like classification, prediction, clustering and association rule mining.	
CSC504.5	Describe complex information and social networks with respect to web mining.	

Program : Computer Science and Design		
Third Year : Semester - V		
Course Code	Course Code: CSDLO5012 Course Name: Internet Programm	
CSDLO5012.1	Implement interactive web page(s) using HTML and CSS.	
CSDLO5012.2	Design a responsive web site using JavaScript.	
CSDLO5012.3	Demonstrate database connectivity using JDBC.	
CSDLO5012.4	Demonstrate Rich Internet Application using Ajax.	
CSDLO5012.5	Demonstrate and differentiate various Web Extensions.	
CSDLO5012.6	Demonstrate web application using Reactive Js.	
Course Code: CSL501 Course Name: Software Engineering Lab		
CSL501.1	Identify requirements and apply software process model to selected case study.	
CSL501.2	Develop architectural models for the selected case study.	
CSL501.3	Use computer-aided software engineering (CASE) tools.	
Course Code: CSL502 Course Name: Computer Network		
CSL502.1	Design and setup networking environment in Linux.	
CSL502.2	Use Network tools and simulators such as NS2, Wireshark etc. to explore networking algorithms and protocols.	
CSL502.3	Implement programs using core programming APIs for understanding networking concepts.	
Course Code: CSL503 Course Name: Data Warehousing and Mining L		
CSL503.1	Design data warehouse and perform various OLAP operations.	
CSL503.2	Implement data mining algorithms like classification.	
CSL503.3	Implement clustering algorithms on a given set of data sample.	
CSL503.4	Implement Association rule mining & web mining algorithm	

Program : Computer Science and Design		
Third Year : Semester - V		
Course Coo	le: CSL504 Course Name: Professional Communication & Ethics II	
CSL504.1	Plan and prepare effective business/ technical documents which will in turn provide solid foundation for their future managerial roles.	
CSL504.2	Strategize their personal and professional skills to build a professional image and meet the demands of the industry.	
CSL504.3	Emerge successful in group discussions, meetings and result-oriented agreeable solutions in group communication situations.	
CSL504.4	Deliver persuasive and professional presentations.	
CSL504.5	Develop creative thinking and interpersonal skills required for effective professional communication.	
CSL504.6	Apply codes of ethical conduct, personal integrity and norms of organizational behavior.	
Course Code: CSM501 Course Name: Mini Project 2A		
CSM501.1	Identify societal/research/innovation/entrepreneurship problems through appropriate literature surveys.	
CSM501.2	Identify Methodology for solving above problem and apply engineering knowledge and skills to solve it.	
CSM501.3	Validate, Verify the results using test cases/benchmark data/theoretical/inferences/experiments/simulations.	
CSM501.4	Analyze and evaluate the impact of solution/product/research/innovation/entrepreneurship towards societal/ environmental/sustainable development.	
CSM501.5	Use standard norms of engineering practices and project management principles during project work.	
CSM501.6	Communicate through technical report writing and oral presentation. • The work may result in research/white paper/ article/blog writing and publication. • The work may result in business plan for entrepreneurship product created. • The work may result in patent filing.	
CSM501.7	Gain technical competency towards participation in Competitions, Hackathons, etc.	
CSM501.8	Demonstrate capabilities of self-learning, leading to lifelong learning.	
CSM501.9	Develop interpersonal skills to work as a member of a group or as leader.	