ST. FRANCIS INSTITUTE OF TECHNOLOGY

Department of Computer Engineering

Course Outcomes

Term I Academic year 2022-23 TE CMPN, Sem V

Subject: Theory of Computer Science (CSC501)

Course Outcomes

CSC 501.1	Identify the central concepts in theory of computation and design FA & FSM
CSC 501.2	Analyze the difference and equivalence of DFA ,NFA and recognize the languages described by finite automata and regular expressions
CSC 501.3	Design Context free grammar to generate all possible patterns of strings in a given formal language
CSC 501.4	Construct pushdown automata to recognize the language
CSC 501.5	Develop an understanding of computation through Turing Machine
CSC 501.6	Acquire fundamental understanding of decidability and un-decidability

Cos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	3	3	2	3	-	-	-	2	-	-	3
CO2	3	3	2	2	3	-	-	-	3	-	-	3
CO3	3	3	2	2	3	-	-	-	3	-	-	3
CO4	3	3	3	2	3	-	-	-	2	-	-	3
CO5	3	3	3	2	3	-	-	-	2	-	-	3
CO6	3	3	3	3	2	-	-	-	3	-	-	3

COs	PSO1	PSO2	PSO3	PSO4
CO1	3	1	2	-
CO2	3	2	3	-
CO3	3	2	3	-
CO4	3	2	2	-
CO5	3	2	2	-
CO6	3	2	3	-

Subject: Software Engineering (CSC502)

Course Outcomes

CSC502.1	Students are able to understand the software engineering processes and principles and their application to develop high quality software products
CSC502.1	Students are able to generate a proper project plan/ schedule for any given problem statement along with the application of project scheduling/ estimation and tracking
CSC502.1	Students are able to perform the risk analysis and produce the RMMM plan for the high impact risk in the given project
CSC502.1	Students are able to give multiple and effective design solutions by applying the software engineering design principles to the given project
CSC502.1	Students are able to apply the set of umbrella activities such as measurement, Formal technical reviews, SCM, SQA, Testing and Maintenance etc. for achieving the desired
CSC502.1	Students are able to apply web engineering principles to advanced software development and web applications

Cos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	3	3	3	2	-	-	2	-	2	3	3
CO2	3	3	3	2	2	-	-	2	2	2	3	3
CO3	3	3	3	3	2	-	-	2	2	2	3	3
CO4	3	3	3	3	2	-	-	2	2	-	3	3
CO5	3	2	3	3	2	-	-	3	2	2	3	3
CO6	3	3	3	3	2	-	-	2	3	2	3	3

COs	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	2
CO2	3	3	2	3
CO3	3	2	3	2
CO4	3	3	3	2
CO5	3	2	3	3
CO6	3	3	3	2

Subject: Internet Programming(CSDO501)

Course Outcomes

CSDO 501.1	Construct a basic website using HTML and CSS
CSDO 501.2	Build dynamic web page with validation using Java Script and apply different event handling mechanisms
CSDO 501.3	Develop server side program using Serverlets and JSP
CSDO 501.4	Demonstrate use of AJAX in building Rich Internet Application
CSDO 501.5	Construct simple web page in PHP and to represent data in XML format
CSDO 501.6	Demonstrate usage of ReactJS in building web applications

Cos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	3	1	NA	2	2	NA	NA	2	0	2	3
CO2	3	3	2	2	3	3	NA	3	3	3	3	3
CO3	3	3	2	2	3	3	NA	3	3	0	3	3
CO4	3	3	2	2	3	3	NA	3	2	3	2	3
CO5	3	3	2	2	3	2	NA	1	2	2	2	3
CO6	3	3	2	2	3	2	NA	2	3	3	3	3

COs	PSO1	PSO2	PSO3	PSO4
CO1	3	1	2	NA
CO2	3	2	3	3
CO3	3	2	3	2
CO4	3	2	2	2
CO5	3	2	2	2
CO6	3	2	3	3

Subject: Computer Networks(CSC503)

Course Outcomes

CSDLO503.1	Conceptualize ISO-OSI model and compare with TCP/IP model
CSDLO503.2	Demonstrate the concepts of data communication at physical layer
CSDLO503.3	Understand design issues, services and networking protocols provided by data link layer
CSDLO503.4	Design the network using IP addressing and analyze various routing algorithms and protocols at network layer
CSDLO503.5	Analyze transport layer protocols and congestion control algorithms
CSDLO503.6	Explore protocols at application layer

Cos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	3	-	1	2	-	-	-	-	-	-	2
CO2	2	3	-	2	2	-	-	-	-	-	-	2
CO3	3	3	3	2	2	-	2	-	-	-	-	2
CO4	3	3	3	2	3	-	2	-	-	-	-	3
CO5	3	3	3	2	3	-	2	-	-	-	-	2
CO6	2	3	3	3	2	-	-	-	-	-	-	3

COs	PSO1	PSO2	PSO3	PSO4
CO1	2	3	2	-
CO2	2	3	2	-
CO3	3	3	3	-
CO4	3	3	3	-
CO5	3	3	3	-
CO6	1	3	3	-

Subject: Data Warehouse and Mining (CSC504)

Course Outcomes

CSC504.1:	Describe the fundamental concepts, benefits, architectures and main components of data warehousing.
CPC504.2:	Design data warehouse with dimensional modeling and apply OLAP operations to solve real business problems.
CPC504.3:	Understand data mining principles and perform data preprocessing and visualization for improving effectiveness, efficiency and quality for data analysis.
CPC504.4:	Compare and evaluate different techniques of clustering and classification.
CPC504.5:	Characterize the kinds of patterns that can be discovered by association rule mining.
CPC504.6:	Describe complex information and social networks with respect to web mining.

Cos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	3	3	3	3	2	-	-	-	-	-	3
CO2	3	3	3	3	3	2	-	-	-	-	-	3
CO3	3	3	3	3	3	2	-	-	-	-	-	3
CO4	3	3	3	3	3	2	-	-	-	-	-	3
CO5	3	3	3	3	3	2	-	-	-	-	-	3
CO6	3	3	3	3	3	3	-	-	-	-	-	3

COs	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	2
CO2	3	3	3	2
CO3	3	3	3	2
CO4	3	3	3	2
CO5	3	3	3	2
CO6	3	3	3	2