ST. FRANCIS INSTITUTE OF TECHNOLOGY

Department of Computer Engineering

Course Outcomes

Term II Academic year 2022-23 TE CMPN, SemVI

Subject: System Programming and Compiler Construction (CSC601)

Course Outcomes

CPC601.1	Identify the relevance of different system programs and also distinguish different loaders and linkers, their contribution in developing efficient user applications.
CPC601.2	Students will be able to analyze the various data structures and passes of assembler design.
CPC601.3	Students will be able to dentify the need for different features and designing of macros.
CPC601.4	Students will be able to design Lexical Analyzer of a grammar.
CPC601.5	Students will be able to construct different parsers for given context free grammars.
CPC601.6	Students will be able to justify the need of synthesis phase to produce object code optimized in terms of high execution speed and less memory usage

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

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

Subject: Cryptography and System Security(CSC602)

Course Outcomes

CSC602.1	To explain system security goals and concepts, classical encryption techniques and acquire fundamental knowledge on the concepts of modular arithmetic and number
CSC602.2	To discuss, compare and apply different encryption and decryption techniques to solve problems related to confidentiality and authentication
CSC602.3	To apply the knowledge of cryptographic checksums and evaluate the performance of different message digest algorithms for verifying the integrity of varying message sizes.
CSC602.4	To apply different digital signature algorithms to achieve authentication and design secure applications
CSC602.5	To discuss network security basics, analyze different attacks on networks and evaluate the performance of firewalls and security protocols like SSL, IPSec, and PGP.
CSC602.6	To analyze and apply system security concept to recognize malicious code

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

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

Subject: Mobile Computing(CSC603)

Course Outcomes

CSC603.1	To understand concept of DT signal and perform signal manipulation.
CSC603.2	To perform analysis of DT system in time domain.
CSC603.3	To understand the concept of DFT and perform DFT computation using DFT properties.
CSC603.4	To develop FFT Flow-graph.
CSC603.5	To develop Fast DSP algorithms.
CSC603.6	To design DSP system for Real Time Signal Processing.

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

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

Subject: Quantitative Analysis (CSDLO6013)

Course Outcomes

CSDLO6013.1	Students will be able to recognize the basic concepts of Statistics and Quantitative Analysis
CSDLO6013.2	Students will be able to apply and evaluate the various data collection and sampling methods
CSDLO6013.3	Students will be able to analyze mathematical and statistical equations and evaluate the various measures of model f
CSDLO6013.4	Students will be able to analyze and evaluate the Multiple Linear regression model , along with testing the Individual regression coefficients.
CSDLO6013.5	Students will be able to analyze and apply the various Parametric point estimation methods and methods of moments and maximum likelihood estimation
CSDLO6013.6	Students will be able to review and apply various tests for hypothesis

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

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

Subject: Artificial intelligence (CSLO604)

Course Outcomes

CSL604.1	Students will be able to develop a basic understanding of building blocks of AI.
CSL604.2	Students will be able to realize the basic techniques used to build an intelligent systems.
CSL604.3	Students will be able to apply appropriate search techniques used in problem solving method.
CSL604.4	Students will be able to analyze the strength and weakness of AI approaches for knowledge intensive problem solving as well as design models for reasoning with uncertainty.
CSL604.5	Students will be able to apply Planning and Learning methods to solve intensive problem with Optimal Solutions.
CSL604.6	Students will be able to design and develop AI applications in real world scenarios.

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

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