

**St. Francis Institute of Technology
Borivali (West), Mumbai-400103
Information Technology Department**

COURSE OUTCOMES

Semester VI

Course name: ITCC601 (Data Mining & Business Intelligence) Year of Study: 2021-22

C601.1	Students should be able to define various software application domains and remember different process model used in software development.(PO1, PO2,PSO1)
C601.2	Students should be able to explain needs for software specifications and classify different types of software requirements and their gathering techniques.(PO1, PO2,PSO1)
C601.3	Students should be able to convert the requirements model into the design model and demonstrate use of software and user-interface design principles. (PO3, PO5,PSO1, PSO2)
C601.4	Students should be able to distinguish amongst SCM and SQA, classify different testing strategies/tactics and compare them. (PO4, PSO1)
C601.5	Students should be able to justify role of SDLC in Software Project Development and evaluate importance of Software Engineering in PLC. (PO2, PO6, PSO1)
C601.6	Students should be able to generate project schedule, construct, design and develop network diagram for different type of Projects and organize different activities of project as per Risk impact factor. (PO7,PO8,PO9, PO10,PO11,PO12,PSO4)

CO-PO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C01	3	3										
C02	2	3										
C03			3		3							
C04				2								
C05		2				2						
C06							2	3	3	3	3	2

CO-PSO Mapping

COs	PSO1	PSO2	PSO3	PSO4
C01	3			
C02	3			
C03	2	3		
C04	3			
C05	3			
C06				3

Course name: C602 (Web X.0)**Year of Study: 2021-22**

C602.1	ITC602.1 Students will be able to understand the digital evolution of web technology and use open source tools for performing web analytics.
C602.2	ITC602.2 Students will be able to explain the basics of TypeScript and use it to eliminate bugs in code and enable coder to scale code.
C602.3	ITC602.3 Students will be able to describe AngularJS framework and build dynamic, responsive single-page web applications.
C602.4	ITC602.4 Students will be able to gain expertise in a leading document-oriented NoSQL database and Apply MongoDB for frontend and backend connectivity using REST API.
C602.5	ITC602.5 Students will be able to use Flask framework and develop web applications with less code.
C602.6	ITC602.6 Students will be able to understand Rich Internet Application Technologies and use open source framework for RIA

CO-PO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C01	3											
C02	1		3									
C03			3		1							2
C04			3		1							2
C05			3									2
C06	3		2									1

CO-PSO Mapping

COs	PSO1	PSO2	PSO3	PSO4	
C01	2				
C02	1		3		
C03			2		
C04		3	2		
C05		3	2	1	
C06	2	1			

Course name: C603 (Wireless Technology)**Year of Study: 2021-22**

C603.1	Students will be able to describe the basic concepts of wireless network and characterize wireless generations.
C603.2	Students will be able to demonstrate and evaluate the various wide area wireless technologies.
C603.3	Students will be able to identify and analyze the prevalent IEEE standards used for implementation of WLAN and WMAN technologies.
C603.4	Students will be able to appraise the importance of WPAN, WSN and Ad-hoc networks.
C603.5	Students will be able to analyze and evaluate various wireless network security standards.
C603.6	Students will be able to review and explain the design considerations for deploying the wireless network infrastructure.

CO-PO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C01	3		3									
C02	3		3									
C03	3		3									
C04	3		3									
C05	3		3		1							
C06	3		3									

CO-PSO Mapping

COs	PSO1	PSO2	PSO3	PSO4	
C01		3			
C02		3			
C03		3			
C04		3			
C05		3			
C06		3			

Course name: C604 (AI & DS I)**Year of Study: 2021-22**

C/L604.1	Students will be able to understand basic building blocks of AI in terms of intelligent agent.
C/LO604.2	Students will be able to analyze and formalize the problem and select the appropriate search method for problem solving.
C/LO604.3	Students will be able to apply appropriate problem-solving method and knowledge representation scheme.
C/LO604.4	Students will be able to apply data science concept for problem solving and evaluate them from a statistical perspective.
C/LO604.5	Students will be able to choose exploratory and inferential methods for analyzing data and will be able to evaluate and interpret results contextually.
C/LO604.6	Students will be able to understand and apply machine learning methods for solving real world problems.

CO-PO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C01	3											
C02		3	3									
C03			3									
C04			3	3								
C05		3		3								
C06						3			3	3	3	3

CO-PSO Mapping

COs	PSO1	PSO2	PSO3	PSO4	
C01			3		
C02			3		
C03			3		
C04			3		
C05			3		
C06			3	3	

Course name: ITDLO6013(Green IT)**Year of Study: 2021-22**

C6021.1	Describe awareness among stakeholders and promote green agenda and green initiatives in their working environments leading to green movement (PO7)
C6021.2	Identify IT Infrastructure Management and Green Data Centre Metrics for software development (PO6,PO7)
C6021.3	Recognize Objectives of Green Network Protocols for Data communication. (PO6, PO7)
C6021.4	Use Green IT Strategies and metrics for ICT development. (PO6,PO7)
C6021.5	Illustrate various green IT services and its roles. (PO7)
C6021.6	Use new career opportunities available in IT profession, audits and others with special skills such as energy efficiency, ethical IT assets disposal, carbon footprint estimation, reporting and development of green products, applications and services.(PO6, PO7)

CO-PO Mapping

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C01							3					
C02						2	3					
C03						1	3					
C04						1	3					
C05							3					
C06						1	3					

CO-PSO Mapping

COs	PSO1	PSO2	PSO3	PSO4	
C01				1	
C02				1	
C03				1	
C04				1	
C05				1	
C06				1	

Course name: ITDLO6014 (Ethical Hacking and Forensics)

Year of Study: 2021-22

C6023.1	Student will be able to understand concept of Ethical Hacking
C6023.2	Students will be able to recognize the need of digital forensics and define the concept of digital evidence and incident response.
C6023.3	Students will be able to apply the knowledge of computer forensics to analyze computer evidences using different tools and techniques
C6023.4	Students will be able to identify the network attacks and analyze the evidence.
C6023.5	Students will be able to identify and analyze mobile evidences using different tools
C6023.6	Students will be able to list and generate legal evidence and supporting investigation reports

CO-PO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C01	2											
C02		2										
C03			3	3	3							
C04			3	3	3							
C05			3	3	3							
C06								3				-

CO-PSO Mapping

COs	PSO1	PSO2	PSO3	PSO4	
C01		3			
C02		3			
C03		3			
C04		3			
C05		3			
C06		3			