Dronacharya Group Of Institutions

Department: Computer Science and Engineering
Academic Year -2023-24
Course Outcomes

B.TECH.6th SEM

Software Engineering
(KCS-601)

Course Outcome (CO)	Details of Course Outcomes	Bloom's Knowledge Level (KL)
(CO1)	Explain various software characteristics and analyze Different software Development Models..	K1,K2
(CO2)	Demonstrate the contents of a SRS and apply basic software quality assurance practices to ensure that design, development meet or exceed applicable standards.	K1,K2
(CO3)	Compare and contrast various methods for software Design	K2, K3
(CO4)	Formulate testing strategy for software systems, employ techniques such as unit testing, Test driven development and functional testing.	K3
(CO5)	Manage software development process independently as well as in teams and make use of Various software management tools for development, maintenance and analysis.	K5

SOFTWARE PROJECT MANAGEMENT (OPEN ELECTIVE)
(KOE-068)

Course Outcome (CO)	Details of Course Outcomes	Bloom's Knowledge Level (KL)
(CO1)	Identify project planning objectives, along with various cost/effort estimation models.	K3
(CO2)	Organize & schedule project activities to compute critical path for risk analysis.	K3
(CO3)	Monitor and control project activities.	K4,K5
(CO4)	Formulate testing objectives and test plan to ensure good software quality under SEI-CMM.	K6
(CO5)	Configure changes and manage risks using project management tools.	K2,K4

Computer Networks
(KCS- 603)

Course Outcome (CO)	Details of Course Outcomes	Bloom's Knowledge Level (KL)
(CO1)	Explain basic concepts, OSI reference model, services and role of each layer of OSI model and TCP/IP, networks devices and transmission media, Analog and digital data transmission	K1, K2
(CO2)	Apply channel allocation, framing, error and flow control techniques.	K3
(CO3)	Describe the functions of Network Layer i.e. Logical addressing, subnetting & Routing Mechanism.	K2, K3
(CO4)	Explain the different Transport Layer function i.e. Port addressing, Connection Management, Error control and Flow control mechanism.	K2,K3
(CO5)	Explain the functions offered by session and presentation layer and their Implementation and Explain the different protocols used at application layer i.e. HTTP, SNMP, SMTP, FTP, TELNET and VPN.	K2, K3

Software Engineering Lab
(KCS-661)

Course Outcome (CO)	Details of Course Outcomes	Bloom's Knowledge Level (KL)
(CO1)	Identify ambiguities, inconsistencies and incompleteness from a requirements specification and state functional and non-functional requirement	K2,K4
(CO2)	Identify different actors and use cases from a given problem statement and draw use case diagram to associate use cases with different types of relationship	K3,K5
(CO3)	Draw a class diagram after identifying classes and association among them.	K4,K5
(CO4)	Graphically represent various UML diagrams , and associations among them and identify the logical sequence of activities undergoing in a system, and represent them pictorially	K4,K5
(CO5)	Able to use modern engineering tools for specification, design, implementation and testing	K3,K4

Computer Networks Lab (KCS-663)

Course Outcome (CO)	Details of Course Outcomes	Bloom's Knowledge Level (KL)
(CO1)	Simulate different network topologies.	K3,K4
(CO2)	Implement various framing methods of Data Link Layer.	K3,K4
(CO3)	Implement various Error and flow control techniques.	K3,K4
(CO4)	Implement network routing and addressing techniques.	K3,K4
(CO5)	Implement transport and security mechanisms	K3,K4

Big Data (KCS-061)

Course Outcome (CO)	Details of Course Outcomes	Bloom's Knowledge Level (KL)
(CO1)	Demonstrate knowledge of Big Data Analytics concepts and its applications in business.	K1,K2
(CO2)	Demonstrate functions and components of Map Reduce Framework and HDFS.	K1,K2
(CO3)	Discuss Data Management concepts in NoSQL environment.	K6
(CO4)	Explain process of developing Map Reduce based distributed processing applications.	K2,K5
(CO5)	Explain process of developing applications using HBASE, Hive, Pig etc.	K2,K5

CONSTITUTION OF INDIA, LAW AND ENGINEERING KNC501/ KNC601

Course Outcome (CO)	Details of Course Outcomes	Bloom's Knowledge Level (KL)
(CO1)	Identify and explore the basic features and modalities about Indian constitution	K2
(CO2)	Differentiate and relate the functioning of Indian parliamentary system at the center and state level.	K4
(CO3)	Differentiate different aspects of Indian Legal System V and its related bodies.	K4
(CO4)	Discover and apply different laws and regulations related to engineering practices. .	K3,K4

(CO5)	Correlate role of engineers with different organizations and governance models	K3,K4

Web Technology
(KCS-602)

Course Outcome (CO)	Details of Course Outcomes	Bloom's Knowledge Level (KL)
(CO1)	Explain web development Strategies and Protocols governing Web.	K1, K2
(CO2)	Develop Java programs for window/web-based applications.	K2, K3
(CO3)	Design web pages using HTML, XML, CSS and JavaScript.	K2, K3
(CO4)	Creation of client-server environment using socket programming	K1, K2,
(CO5)	Building enterprise level applications and manipulate web databases using JDBC and Design interactive web applications using Servlets and JSP	K3, K4 ,K2, K3
(CO5)	Explain process of developing applications using HBASE, Hive, Pig etc.	K2,K5

Web Technology Lab
(KCS-652)

Course Outcome (CO)	Details of Course Outcomes	Bloom's Knowledge Level (KL)
(CO1)	Develop static web pages using HTML	K2,K3
(CO2)	Develop Java programs for window/web-based applications.	K2,K3
(CO3)	Design dynamic web pages using Javascript and XML.	K3,K4
(CO4)	Design dynamic web page using server site programming Ex. ASP/JSP/PHP	K3,K4
(CO5)	Design server site applications using JDDC,ODBC and section tracking API	K3,K4