Dronacharya Group Of Institutions

Department: Computer Science & Information Technology
Academic Year -2023-24
Course Outcomes

Database Management System (KCS501)

Course Outcome (CO)	Details of Course Outcomes	Bloom's Knowledge Level (KL)
(CO1)	Apply knowledge of database for real life applications.	K3
(CO2)	Apply query processing techniques to automate the real Time problems of databases.	K3, K4
(CO3)	Identify and solve the redundancy problem in database tables using normalization	K2, K3
(CO4)	Understand the concepts of transactions, their Processing so they will familiar with broad range of database management issues including data integrity, security and recovery.	K2, K4
(CO5)	Design, develop and implement a small database Project using database tools.	K3, K6

Design and Analysis of Algorithm (KCS503)

Course Outcome (CO)	Details of Course Outcomes	Bloom's Knowledge Level (KL)
(CO1)	Design new algorithms, prove them correct, and analyze their asymptotic and absolute runtime and memory demands. .	K4, K6
(CO2)	Find an algorithm to solve the problem (create) and prove that the algorithm solves the problem correctly (validate)..	K5, K6
(CO3)	Understand the mathematical criterion for deciding whether an algorithm is efficient, and know many practically important problems that do not admit any efficient algorithms.	K2, K5
(CO4)	Apply classical sorting, searching, optimization and graph algorithms.	K2, K4
(CO5)	Understand basic techniques for designing algorithms, including the techniques of recursion, divide-and-	K2, K3

	conquer, and greedy.	

Database Management Systems Lab (KCS-551)

Course Outcome (CO)	Details of Course Outcomes	Bloom's Knowledge Level (KL)
(CO1)	Understand and apply oracle 11 g products for creating tables, views, indexes, sequences and other database objects..	K2, K4
(CO2)	Design and implement a database schema for company data base, banking data base, library information system, payroll processing system, student information system.	K3,K5, K6
(CO3)	Write and execute simple and complex queries using DDL, DML, DCL and TCL	K4, K5
(CO4)	Write and execute PL/SQL blocks, procedure functions, packages and triggers, cursors.	K4, K5
(CO5)	Enforce entity integrity, referential integrity, key constraints, and domain constraints on database.	K3, K4

Design and Analysis of Algorithm Lab (KCS-553)

Course Outcome (CO)	Details of Course Outcomes	Bloom's Knowledge Level (KL)
(CO1)	Implement algorithm to solve problems by iterative approach.	K2, K4
(CO2)	Implement algorithm to solve problems by divide and conquer approach	K3,K5
(CO3)	Implement algorithm to solve problems by Greedy algorithm approach.	K4, K5
(CO4)	Implement algorithm to solve problems by Dynamic programming, backtracking, branch and bound approach.	K4, K5
(CO5)	Implement algorithm to solve problems by branch and bound approach.	K3, K4

Web Technology
(KIT 501)

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

Human Computer Interface
(KCS- 058)

Course Outcome (CO)	Details of Course Outcomes	Bloom's Knowledge Level (KL)
(CO1)	Understand and analyze the common methods in the user-centered design process and the appropriateness of individual methods for a given problem.	K2, K4
(CO2)	Apply , adapt and extend classic design standards, guidelines, and patterns	K3, K5
(CO3)	Employ selected design methods and evaluation methods at a basic level of competence.	K4, K5
(CO4)	Build prototypes at varying levels of fidelity, from paper prototypes to functional, interactive prototypes.	K4, K5
(CO5)	Demonstrate sufficient theory of human computer interaction, experimental methodology and inferential statistics to engage with the contemporary research literature in interface technology and design.	K3, K4

MINI PROJECT
(KCS- 554)

Course Outcome (CO)	Details of Course Outcomes	Bloom's Knowledge Level (KL)
(CO1)	Identify a problem and gather its requirements.	K6
(CO2)	Design a solution of the problem using latest tools & techniques.	K4
(CO3)	Develop a project using latest technology.	K4
(CO4)	Develop professional skills and critical thinking to prepare for major project.	K4
(CO5)	Demonstrate an ability to present project works to the evaluators.	K6

CONSTITUTION OF INDIA, LAW AND ENGINEERING
(KNC501)

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 Lab
(KIT-551)

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

Web Designing (KCS-052)

Course Outcome (CO)	Details of Course Outcomes	Bloom's Knowledge Level (KL)
(CO1)	Understand principle of Web page design and about types of websites	**K3, K4**
(CO2)	Visualize and Recognize the basic concept of HTML and application in web designing.	**K1,K2**
(CO3)	Recognize and apply the elements of Creating Style Sheet (CSS).	**K2,K4**
(CO4)	Understand the basic concept of Java Script and its application.	**K2, K3**
(CO5)	Introduce basics concept of Web Hosting and apply the concept of SEO.	**K2, K3**