Dronacharya Group Of Institutions

Department: Computer Science and Engineering
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

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

INDIAN TRADITIONS, CULTURAL AND SOCIETY (KNC502/ KNC602)

Course Outcome (CO)	Details of Course Outcomes	Bloom's Knowledge Level (KL)
(CO1)	Ability to understand, connect up and explain basics of Indian Traditional knowledge modern scientific perspective.	K2, K4
(CO2)	To sensitize students towards issues related to 'Indian' culture, tradition and its composite character.	K3,K5
(CO3)	To understand the importance of our surroundings and encourage the students to contribute towards sustainable development.	K2
(CO4)	To sensitize students towards issues related to 'Indian' culture, tradition and its composite character.	K4, K5
(CO5)	To acquaint students with Indian Knowledge System, Indian perspective of modern scientific world-view and basic principles of Yoga and holistic health care system.	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

Compiler Design
(KCS-502)

Course Outcome (CO)	Details of Course Outcomes	Bloom's Knowledge Level (KL)
(CO1)	Acquire knowledge of different phases and passes of the compiler and also able to use the compiler tools like LEX, YACC, etc. Students will also be able to design different types of compiler tools to meet the requirements of the realistic constraints of compilers.	K3, K6
(CO2)	Understand the parser and its types i.e. Top-Down and Bottom-up parsers and construction of LL, SLR, CLR, and LALR parsing table.	K2, K6
(CO3)	Implement the compiler using syntax-directed translation method and get knowledge about the synthesized and inherited attributes.	K4, K5
(CO4)	Acquire knowledge about run time data structure like symbol table organization and different techniques used in that..	K2, K3
(CO5)	Understand the target machine's run time environment, its instruction set for code generation and techniques used for code optimization.	K2, K4

COMPILER DESIGN LAB
(KCS-552)

Course Outcome (CO)	Details of Course Outcomes	Bloom's Knowledge Level (KL)
(CO1)	Identify patterns, tokens & regular expressions for lexical analysis	K2, K4
(CO2)	Design Lexical analyzer for given language using C and LEX /YACC tools	K3,K5
(CO3)	Design and analyze top down and bottom up parsers.	K4, K5
(CO4)	Generate the intermediate code	K4, K5
(CO5)	Generate machine code from the intermediate code forms	K3, K4