DRONACHARYA Group of Institutions

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Approved by: All India Council for Technical Education (AICTE), New Delhi
Affiliated to: Dr. A. P. J. Abdul Kalam Technical University (AKTU), Lucknow

Department: Information Technology

Academic Year -2023-24

Course Outcomes

B.TECH.7th SEM

DISTRIBUTED SYSTEM (KCS 077)

Course Outcome (CO)	Details of Course Outcomes	Bloom's Knowledge Level (KL)
(CO1)	To provide hardware and software issues in modern distributed systems.	K1,K2
(CO2)	To get knowledge in distributed architecture, naming, synchronization, consistency and replication, fault tolerance, security, and distributed file systems	K2
(CO3)	To analyze the current popular distributed systems such as peer-to-peer (P2P) systems will also be analyzed.	K4
(CO4)	To know about Shared Memory Techniques and have Sufficient knowledge about file access	K1
(CO5)	Have knowledge of Synchronization and Deadlock.	K1

Cloud Computing (KCS713)

Course Outcome (CO)	Details of Course Outcomes	Bloom's Knowledge Level (KL)
(CO1)	Describe architecture and underlying principles of cloud computing	K3
(CO2)	Explain need, types and tools of Virtualization for cloud.	K3, K4
(CO3)	Describe Services Oriented Architecture and various types of cloud services.	K2, K3
(CO4)	Explain Inter cloud resources management cloud storage services and their providers Assess security services and standards for cloud computing.	K2, K4
(CO5)	Analyze advanced cloud technologies	K3, K6

Mini Project or Internship Assessment (KIT752)

Course Outcome (CO)	Details of Course Outcomes	Bloom's Knowledge Level (KL)
(CO1)	Developing a technical artifact requiring new technical skills and effectively utilizing a new software tool to complete a task	K4 , K5
(CO2)	Writing requirements documentation, Selecting appropriate technologies, identifying and creating appropriate test cases for systems.	K5 , K6
(CO3)	Demonstrating understanding of professional customs & practices and working with professional standards.	K4 , K5
(CO4)	Improving problem-solving, critical thinking skills and report writing.	K4 , K5
(CO5)	Learning professional skills like exercising leadership, behaving professionally, behaving ethically, listening effectively, participating as a member of a team, developing appropriate workplace attitudes.	K2, K4

Project (KIT 753)

Course Outcome (CO)	Details of Course Outcomes	Bloom's Knowledge Level (KL)
(CO1)	Analyze and understand the real life problem and apply their knowledge to get programming solution.	K4 , K5
(CO2)	Engage in the creative design process through the integration and application of diverse technical knowledge and expertise to meet customer needs and address social issues.	K4 , K5
(CO3)	Use the various tools and techniques, coding practices\ for developing real life solution to the problem.	K5,K6
(CO4)	Find out the errors in software solutions and establishing the process to design maintainable software applications	K4 , K5
(CO5)	Write the report about what they are doing in project and learning the team working skills	K5,K6

RENEWABLE ENERGY RESOURCES (KOE074)

Course Outcome (CO)	Details of Course Outcomes	Bloom's Knowledge Level (KL)
(CO1)	Understand the renewable and nonrenewable sources of energy.	K3
(CO2)	Explain the working principle of various solar energy systems.	K3
(CO3)	Understand the Geothermal & Tidal energy, its mechanism of production and its applications.	K2
(CO4)	Interpret and Identify the significance of Winds energy as an alternative form of energy	K6
(CO5)	Discover the basics of renewable, biomass energy sources and relevant thermodynamics	K4

Cloud Computing Lab, (KIT751A)

Course Outcome (CO)	Details of Course Outcomes	Bloom's Knowledge Level (KL)
(CO1)	Explain the various paradigm of cloud computing and computing techniques	K3
(CO2)	Articulate the concepts, key technologies, strength and limitation of cloud computing and possible application	K3
(CO3)	Identify the architecture and infrastructure of cloud computing including SaaS, PaaS,Iaas, public cloud, private cloud and hybrid cloud.	K2
(CO4)	Interpret various data, scalability and cloud services to acquire efficient database	K6
(CO5)	Analyze the concept of Cloud computing Web Applications	K3, K4