



DEPARTMENT OF INFORMATION TECHNOLOGY

COURSE OUTCOMES

Year/Class/Semester: T.E./IT/V/ 'C' Scheme

Subject Code	Subject Name	CO's
ITC501	Internet Programming	At the end of the course student will be able to: CO1-Select protocols or technologies required for various web applications. CO2-Apply JavaScript to add functionality to web pages. CO3-Design front end application using basic React. CO4-Design front end applications using functional components of React. CO5-Design back-end applications using Node.js. CO6- Construct web based Node.js applications using Express.
ITC502	Computer Network Security	At the end of the course student will be able to: CO1-Explain the fundamentals concepts of computer security and network security. CO2-Identify the basic cryptographic techniques using classical and block encryption methods. CO3-Study and describe the system security malicious software. CO4-Describe the Network layer security, Transport layer security and application layer security. CO5-Explain the need of network management security and illustrate the need for NAC. CO6-Identify the function of an IDS and firewall for the system security.
ITC503	Entrepreneurship and E-business	At the end of the course student will be able to: CO1-Understand the concept of entrepreneurship and its close relationship with enterprise and owner-management CO2-Understand the nature of business development in the context of existing organizations and of new business start-ups. CO3-Comprehended important factors for starting a new venture and business development. CO4-Know issues and decisions involved in financing and resourcing a business start-up CO5-Describe various E-business Models CO6-Discuss various E-business Strategies



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ITC504	Software Engineering	At the end of the course student will be able to: CO1-Understand and use basic knowledge in software engineering. CO2-Identify requirements analyze and prepare models. CO3-Plan, schedule and track the progress of the projects. CO4-Design & develop the software solutions for the growth of society CO5-To demonstrate and evaluate real time projects with respect to software engineering principles CO6-Apply testing and assure quality in software solution.
ITDO5012	Advance Data Management Technologies	At the end of the course student will be able to: CO1-Measure query costs and design alternate efficient paths for query execution. CO2-Apply sophisticated access protocols to control access to the database. CO3-Implement Distributed databases. CO4-Organize strategic data in an enterprise and build a data Warehouse. CO5-Analyze data using OLAP operations so as to take strategic decisions. CO6-Design modern applications using NoSQL databases. databases.
ITDO5014	Advanced Data structure and Analysis	At the end of the course student will be able to: CO1-Understand the different methods for analysis of algorithms. CO2-Choose an appropriate advanced data structure to solve a specific problem. CO3-Apply an appropriate algorithmic design approach for a given problem. CO4-Apply the dynamic programming technique to solve a given problem. CO5-Select an appropriate pattern matching algorithm for a given application. CO6-Understand the concepts of Optimization, Approximation and Parallel computing algorithms.