DEPARTMENTOFINFORMATIONTECHNOLOGY

COURSE OUTCOMES

Year/Class/Semester:S.E./IT/IV/ 'C' Scheme

Subject Code	Subject Name	CO's
ITC401	Engineering Mathematics-IV	At the end of the course student will be able to: CO1-Apply the concepts of eigen values and eigen vectors to solve engineering problems. CO2llustratetheuseofconceptsofComplexIntegrationforevaluatingintegrals,computing residues & evaluate various contour integrals. CO3-Applytheconcept of Z- transformation and its inverse inengineering problems. CO4-Apply the concept of probability distribution to engineeringproblems & testing hypothesis of small samples using samplingtheory. CO5-Apply the concept of Linear Programming to solve the optimization problems CO6-UsetheNon-Linear Programming techniques to solve the optimization problems.
ITC402	Computer Networkand Network Design	At the end of the course student will be able to: CO1-Describethefunctionalitiesofeachlayerofthemodelsandcompare the Models. CO2-Categorize the types of transmission media and explain data link layer concepts, design issues and protocols. CO3-AnalyzetheroutingprotocolsandassignIPaddresstonetworks. CO4-Explainthedatatransportationandsessionmanagement Issues and related protocols used for end to end delivery of data.

DEPARTMENTOFINFORMATIONTECHNOLOGY

		CO5-Listthedatapresentationtechniquesandillustratetheclient/server model in application layer protocols. CO6-UseofnetworkingconceptsofIPaddress,Routing,and applicationservicesto designa networkfor anorganization
ITC403	Operating System	At the end of the course student will be able to: CO1-understands the basic concepts related to Operating System. CO2-Describetheprocessmanagementpoliciesandillustratescheduling of processes by CPU. CO3-Explainandapplysynchronizationprimitivesandevaluatedeadlock conditions as handled by Operating System. CO4- Describe and analyze the memory allocation and management functions Of Operating System. CO5-AnalyzeandevaluatetheservicesprovidedbyOperatingSystem for storage management. CO6-Comparethefunctionsofvariousspecial-purposeOperating Systems.
ITC404	AutomataTheory	At the end of the course student will be able to: CO1-Explain,analyzeanddesignRegularlanguages,Expressionand Grammars. CO2DesigndifferenttypesofFiniteAutomataandMachinesasAcceptor, Verifier and Translator. CO3-Analyze and design Context Free languages and Grammars. CO4-DesigndifferenttypesofPushdownAutomataasSimple Parser. CO5DesigndifferenttypesofTuringMachinesasAcceptor,Verifier, Translator and Basic computing machine. CO6-Develop understanding of applications of variousAutomata.

DEPARTMENTOFINFORMATIONTECHNOLOGY

ITC405	Computer Organization andArchitecture	At the end of the course student will be able to: CO1-Demonstrate the fundamentals of Digital Logic Design. CO2-Describe basic organization of computer, the architecture of8086microprocessorandimplementassemblylanguageprogramming for 8086 microprocessor CO3-Demonstratecontrolunitoperationsandconceptualizeinstruction level parallelism. CO4-ListandIdentifyintegersandrealnumbersandperformcomputer arithmetic operations on integers. CO5-Categorize memory organization and explain the function ofeachelement of amemory hierarchy. CO6-Examinedifferent methodsfor computerI/O mechanism.