DNRCOLLEGEOFENGINEERING&TECHNOLOGY,Bhimavaram
BALUSUMUDI, BHIMAVARAM, W.G. Dist., A.P., PIN-534 202
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CourseOutcomes(COs)

ProgramName:	M. TechinComputerScience&Engineering	**AY**	2017-2018
CourseName:	ADVANCEDDATASTRUCTURESAND ALGORITHMANALYSIS	**Class/Sem**	I/I
FacultyName:	Dr.B VS VARMA	**Regulation**	R16

CourseOutcomes

Aftercompletingthiscourse,thestudentwillbeableto:

CO Number	COStatement	Taxonomy#
C5111.1	ApplyAlgorithmforsolvingproblemslikesorting,searching, insertion anddeletionofdata	Apply
C5111.2	Abilitytoapplyandimplement learned algorithmdesigntechniquesand data structures to solve problems.	Apply
C5111.3	Abilityto createdifferent algorithmdesigntechniques(brute-force,divide and conquer, greedy, etc	Create
C5111.4	Basicabilitytoanalyzealgorithmsandtodetermine algorithmcorrectness and time efficiency class.	Analyze
C5111.5	UnderstandtheconceptofDynamicmemorymanagement,datatypes, algorithms,BigOnotation.	Understand
C5111.6	Describethehashfunctionandconceptsofcollisionandits resolution methods	Evaluate

Remember;Understand;Apply;Analyze;Evaluate;Create

ProgramName:	M. TechinComputerScience&Engineering	**AY**	2017-2018
CourseName:	AdvancedOperating Systems	**Class/Sem**	I/I
FacultyName:	KSR PRASAD	**Regulation**	R16

Course Outcomes

Aftercompletingthiscourse,thestudentwillbeableto:

CO Number	COStatement	Taxonomy#
C5512.1	UnderstandsthedifferentservicesprovidedbyOperatingSystemat different level.	Understand
C5512.2	Understandstheuseofdifferent processschedulingalgorithmand synchronization techniques to avoid deadlock.	Apply
C5512.3	Abletolearndifferentmemorymanagementtechniqueslikepaging, segmentation and demand paging etc.	Analyse
C5512.4	Analyzevariousschedulingalgorithms.	Analyse
C5512.5	Applyprotectionand securityindistributed operatingsystems.	Apply
C5512.6	Elaborateonconcurrencycontrolmechanismsindistributeddatabase systems.	Analyse

Remember;Understand;Apply;Analyze;Evaluate;Create

ProgramName:	M. TechinComputerScience&Engineering	**AY**	2017-2018
CourseName:	MATHMATICALFOUNDATIONSOF COMPTERSCIENCE	**Class/Sem**	I/I
FacultyName:	NUB VARMA	**Regulation**	R16

Course Outcomes

Aftercompletingthiscourse,thestudentwillbeableto:

CO Number	COStatement	Taxonomy[#]
C5211.1	Applyorganizationofbasic computer,itsdesignandthe designofcontrol unit	Apply
C5211.2	DemonstratetheworkingofcentralprocessingunitandRISCandCISC Architecture	Demonstrate
C5211.3	Describetheoperationsand languageoftheregistertransfer, micro operations and input-output organization	Apply
C5211.4	Understandtheorganizationofmemoryandmemorymanagement hardware	Understand
C5211.5	ElaborateadvancedconceptsofcomputerArchitecture,parallel processing, inter processor communicationand synchronization	Analyse
C5211.6	Summarizethememoryorganizationandpipeliningconcepts	Summarize

[#] Remember;Understand;Apply;Analyze;Evaluate;Create

ProgramName:	M. TechinComputerScience&Engineering	**AY**	2017-2018
CourseName:	ComputerOrganizationandArchitecture	**Class/Sem**	I/I
FacultyName:	BNANDHAN KUMAR	**Regulation**	R19

Course Outcomes

Aftercompletingthiscourse,thestudentwillbeableto:

CO Number	COStatement	Taxonomy[#]
C5311.1	Recalland Summarizethe basicconceptofcomputer fundamentals, Numbersystem,BooleanalgebraPerformproblemsonIEEE754 standard number system	Apply
C5311.2	Explain the concept of stored program, role of operating system, InstructionsetsandAddressingmodesandDemonstrateproblemson Addressingmodes	Apply
C5311.3	Designofadders,ALUandMemorymanagementunit andIllustrate problems related to cache memory	Create
C5311.4	ExplainandUsefixedpointmultiplication(Booth's)anddivision (Restoring and non-restoring) algorithms	Apply
C5311.5	ExplaintheconceptofInstructionpipeline, RISC,CISC	Understand
C5311.6	DevelopcontrolunitandExplaintheconceptofvariousI/Ooperations	Create

[#] Remember;Understand;Apply;Analyze;Evaluate;Create

ProgramName:	M. TechinComputerScience&Engineering	AY	2017-2018
CourseName:	DATABASEMANAGEMENTSYSTEM	Class/Sem	I/I
FacultyName:	LBUJJIBABU	Regulation	R16

Course Outcomes

Aftercompletingthiscourse,thestudentwillbeableto:

CO Number	COStatement	Taxonomy#
C5411.1	Defineaproblemattheviewlevel&abilitytounderstandthephysical structureofthe database tohandle data	Remember
C5411.2	Demonstratethebasic elementsofa relationaldatabasemanagement system.	Apply
C5411.3	Identifythedatamodelsforrelevantproblems.	Analyze
C5411.4	Design entity relationship and convert entity relationship diagrams into RDBMSand formulateSQLqueriesontherespectdatainto RDBMSand formulateSQLqueriesonthe data.	Analyze
C5411.5	Demonstratetheirunderstandingofkey notionsofqueryevaluationand optimization techniques.	Apply
C5411.6	Explainnormalizationforthedevelopmentofapplicationsoftware‘s.	Understand

Remember;Understand;Apply;Analyze;Evaluate;Create

ProgramName:	M. TechinComputerScience&Engineering	AY	2017-2018
CourseName:	DATAWAREHOUSINGANDDATAMINING	Class/Sem	I/I
FacultyName:	K.VCHANDRAN	Regulation	R16

Aftercompletingthiscourse,thestudentwillbeableto:

CO Number	COStatement	Taxonomy#
C5611.1	Understandthefunctionalityofthevariousdataminginganddata warehousingcomponent	Understand
C5611.2	Appreciatethestrengthsandlimitationsofvariousdataminginganddata warehousingmodels	Apply,Create
C5611.3	Explaintheanalyzingtechniquesofvariousdata	Analyze
C5611.4	Describinganddemonstratingbasicdataminingalgorithms,methods,and tools	Remember
C5611.5	Describedifferent methodologiesusedindataminginganddataware housing.	Analyze
C5611.6	Comparedifferentapproachesofdatawarehousinganddataminingwith varioustechnologies.	Evaluate

Remember;Understand;Apply;Analyze;Evaluate;Create

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CourseOutcomes(COs)

ProgramName:	M. TechinComputerScience&Engineering	**AY**	2017-2018
CourseName:	CYBERSECURITY	**Class/Sem**	I/II
FacultyName:	LBUJJIBABU	**Regulation**	R19

CourseOutcomes

Aftercompletingthiscourse,thestudentwillbeableto:

CO Number	COStatement	Taxonomy[#]
C51121.1	Understandthevarioustoolsandmethodsusedincybercrime.	Understand
C51121.2	Identifyriskmanagementprocesses,risktreatmentmethods,organization ofinformationsecurity.	Analyze
C51121.3	Classifycybersecuritysolutionsandinformationassurance.	Analyze
C51121.4	Examinesoftwarevulnerabilitiesandsecuritysolutionstoreducetherisk of exploitation.	Apply
C51121.5	Analyzethe cybersecurityneedsofanorganization.	Analyze
C51121.6	Demonstratecomprehensionofthetradeoffsinvolvedintheapplication of security.	Apply

[#] Remember;Understand;Apply;Analyze;Evaluate;Create

ProgramName:	M. TechinComputerScience&Engineering	**AY**	2017-2018
CourseName:	COMPUTERNETWORKS	**Class/Sem**	I/II
FacultyName:	KVENKATACHANDRAN	**Regulation**	R16

Course Outcomes

Aftercompletingthiscourse,thestudentwillbeableto:

CO Number	COStatement	Taxonomy[#]
C5212.1	Explainbasicconcepts,OSIreferencemodel,servicesandroleofeach layer of OSI model and TCP/IP, networks devices and transmission media,Analoganddigitaldatatransmission	Understand
C5212.2	Applychannelallocation, framing, errorandflowcontroltechniques.	Apply
C5212.3	DescribethefunctionsofNetworkLayer i.e.Logicaladdressing, subnetting & Routing Mechanism.	Understand
C5212.4	Explain the different Transport Layer function i.e. Port addressing, ConnectionManagement,ErrorcontrolandFlowcontrolmechanism.	Understand
C5212.5	Explainthefunctionsofferedbysessionandpresentationlayerandtheir Implementation	Understand
C5212.6	Explainthedifferentprotocolsusedatapplicationlayeri.e.HTTP, SNMP,SMTP,FTP,TELNETandVPN	Understand

[#] Remember;Understand;Apply;Analyze;Evaluate;Create

ProgramName:	M. TechinComputerScience&Engineering	**AY**	2017-2018
CourseName:	BIGDATA ANALYTICS	**Class/Sem**	I/II
FacultyName:	BNANDHAN KUMAR	**Regulation**	R16

Course Outcomes

Aftercompletingthiscourse,thestudentwillbeableto:

CO Number	COStatement	Taxonomy#
C5312.1	IdentifyBigDataanditsBusinessImplications.	Analyze
C5312.2	Listthe componentsofHadoopandHadoopEco-System	Remember
C5312.3	ExplainProcessDataonDistributed FileSystem	Understand
C5312.4	DevelopBigDataSolutionsusingHadoopEcoSystem	Create
C5312.5	AnalyzeInfosphereBigInsightsBigData Recommendations.	Analyze
C5312.6	ApplyMachineLearningTechniquesusingR.	Apply

Remember;Understand;Apply;Analyze;Evaluate;Create

ProgramName:	M. TechinComputerScience&Engineering	**AY**	2017-2018
CourseName:	ADVANCEDUNIXPROGRAMMING	**Class/Sem**	I/II
FacultyName:	KSR PRASAD	**Regulation**	R16

Aftercompletingthiscourse,thestudentwillbeableto:

CO Number	COStatement	Taxonomy#
C5412.1	UnderstandthebasiccommandsofLinuxoperatingsystemand canwrite shellscripts.	Understand
C5412.2	Createfilesystemsanddirectoriesandoperatethoseusingprograms.	Create
C5412.3	Understandtheprocessesbackgroundandforegroundbyprocessand signalssystemcalls	Understand
C5412.4	Createsharedmemorysegments, pipes,messagequeuesandcanexercise interprocess communication	Create
C5412.5	Createsocketsandsemaphorestointeractbetweenprocessofdifferent system.	Create
C5412.6	Createshared memorysegments,pipes,messagequeues	Create

Remember;Understand;Apply;Analyze;Evaluate;Create

ProgramName:	M. TechinComputerScience&Engineering	**AY**	2017-2018
CourseName:	CLOUDCOMPUTING	**Class/Sem**	I/II
FacultyName:	BVS VARMA	**Regulation**	R16

Course Outcomes

Aftercompletingthiscourse,thestudentwillbeableto:

CO Number	COStatement	Taxonomy[#]
C5611.1	Interpret thekeydimensions ofthechallengeofCloudComputing.	Understand
C5611.2	Examinetheeconomics,financial,andtechnologicalimplicationsfor selectingcloudcomputingforownorganization.	Understand
C5611.3	Assessing the financial, technological, and organizational capacity of employer'sforactivelyinitiatingandinstallingcloud-basedapplications.	Analyze
C5611.4	Evaluateownorganizations'needsforcapacitybuildingandtrainingin cloud computing-related IT areas.	Design
C5611.5	ToIllustrateVirtualizationfor Data-Centre Automation.	Illustrate
C5611.6	ApplyMap-Reduceconcept to applications.	Apply

[#] Remember;Understand;Apply;Analyze;Evaluate;Create