

# **COURSE OUTCOMES**



S.No	Sem	Course Code	Course Name
1.	Ι	HS3152	Professional English I
2	Ι	MA3151	Matrices and Calculus
3	Ι	PH3151	Engineering Physics
4	Ι	CY3151	Engineering Chemistry
5	Ι	GE3151	Problem Solving and Python Programming
6	Ι	GE3171	Problem Solving and Python Programming Laboratory
7	Ι	BS3171	Physics and Chemistry Laboratory (Physics)
8	Ι	BS3171	Physics and Chemistry Laboratory (Chemistry)
9	Ι	GE3172	English Laboratory
10	II	HS3252	Professional English II
11	II	MA3251	Statistics and Numerical Methods
12	II	PH3256	Physics for Information Science
13	II	BE3251	Basic Electrical and Electronics Engineering
14	II	GE3251	Engineering Graphics
15	II	CS3251	Programming in C
16	II	GE3271	Engineering Practices Laboratory
17	II	CS3271	Programming in C Laboratory
18	II	GE3272	Communication Laboratory
19	III	MA3354	Discrete Mathematics
20	III	C\$3351	Digital Principles and Computer Organization
21	III	C\$3352	Foundations of Data Science
22	III	CS3301	Data Structures
23	III	CS3391	Object Oriented Programming
24	III	CS3311	Data Structures Laboratory



25	III	CS3381	Object Oriented Programming Laboratory
26	III	CS3361	Data Science Laboratory
27	IV	CS3452	Theory of Computation
28	IV	CS3491	Artificial Intelligence and Machine Learning
29	IV	CS3492	Database Management Systems
30	IV	CS3401	Algorithms
31	IV	CS3451	Introduction to Operating Systems
32	IV	GE3451	Environmental Sciences and Sustainability
33	IV	CS3461	Operating Systems Laboratory
34	IV	CS3481	Database Management Systems Laboratory
35	V	CS3591	Computer Networks
36	V	CS3501	Compiler Design
37	V	CB3491	Cryptography and Cyber Security
38	V	CS3551	Distributed Computing
39	V	CCS375	Web Technologies
40	V	CCS366	Software Testing and Automation
41	V	MX3084	Disaster Risk Reduction And Management
42	VI	CCS356	Object Oriented Software Engineering
43	VI	CS3691	Embedded Systems and IoT
44	VI	OEE351	Renewable Energy System
45	VI	CCS370	UI and UX Design
46	VI	CCS354	Network Security
47	VI	CCS352	Multimedia and Animation
48	VI	MX3089	Industrial Safety



# I SEMESTER



#### Course Code & Course Name: HS3152 – Professional English I

#### **COURSE OUTCOMES (COs)**

#### List of Course Outcomes

CO1	To use appropriate words in a professional context
CO2	To gain understanding of basic grammatic structures and use them in right context.
CO3	To read and infer the denotative and connotative meanings of technical texts
<b>CO4</b>	To write definitions, descriptions, narrations and essays on various topics
CO5	To interpret non verbal texts

#### Course Code & Course Name: MA3151- Matrices and Calculus

#### **COURSE OUTCOMES (COs)**

#### List of Course Outcomes

CO1	Use the matrix algebra methods for solving practical problems.
CO2	Apply differential calculus tools in solving various application problems.
CO3	Able to use differential calculus ideas on several variable functions.
<b>CO</b> 4	Apply different methods of integration in solving practical problems.
CO5	Apply multiple integral ideas in solving areas, volumes and other practical problems.

#### Course Code & Course Name: PH3151-ENGINEERING PHYSICS

#### <u>COURSE OUTCOMES (COs)</u> List of Course Outcomes

CO1	Understand the importance of mechanics.
CO2	Express their knowledge in electromagnetic waves.
CO3	Demonstrate a strong foundational knowledge in oscillations, optics and lasers.
<b>CO</b> 4	Understand the importance of quantum physics.
CO5	Comprehend and apply quantum mechanical principles towards the formation of energy bands.



#### Course Code & Course Name:CY3151 Engineering Chemistry

#### **COURSE OUTCOMES (COs)**

#### List of Course Outcomes

CO1	To infer the quality of water from quality parameter data and propose suitable treatment methodologies to treat water.
CO2	To identify and apply basic concepts of nanoscience and nanotechnology in designing the synthesis of nanomaterials for engineering and technology applications.
CO3	To apply the knowledge of phase rule and composites for material selection requirements.
CO4	To recommend suitable fuels for engineering processes and applications.
CO5	To recognize different forms of energy resources and apply them for suitable applications in energy sectors.

#### Course Code & Course Name: GE3151Problem Solving and Python Programming

#### **COURSE OUTCOMES (COs)**

CO1	CO1: Develop algorithmic solutions to simple computational problems.
CO2	CO2: Develop and execute simple Python programs.
CO3	CO3: Write simple Python programs using conditionals and loops for solving problems.
CO4	CO4: Decompose a Python program into functions.
CO5	CO5: Represent compound data using Python lists, tuples, dictionaries etc.



# Course Code & Course Name: GE3171 Problem Solving and Python Programming Laboratory

#### **COURSE OUTCOMES (COs)**

#### List of Course Outcomes

CO1	Develop algorithmic solutions to simple computational problems
CO2	Develop and execute simple Python programs.
CO3	Implement programs in Python using conditionals and loops for solving problems.
CO4	Deploy functions to decompose a Python program.
CO5	Process compound data using Python data structures.

#### Course Code & Course Name: BS3171&Physics and Chemistry Laboratory (Physics)

#### COURSE OUTCOMES (COs)

#### List of Course Outcomes

CO1	Understand the functioning of various physics laboratory equipment.
CO2	Use graphical models to analyze laboratory data.
CO3	Use mathematical models as a medium for quantitative reasoning and describing physical reality.
<b>CO</b> 4	Access, process and analyze scientific information.
CO5	Solve problems individually and collaboratively.

Course Code & Course Name: BS3171&Physics and Chemistry Laboratory (Chemistry)

#### **COURSE OUTCOMES (COs)**

CO1	To analyse the quality of water samples with respect to their acidity, alkalinity, hardness and DO
CO2	To determine the amount of metal ions through volumetric and spectroscopic techniques
CO3	To analyse and determine the composition of alloys.
<b>CO</b> 4	To learn simple method of synthesis of nanoparticles
CO5	To quantitatively analyse the impurities in solution by electroanalytical techniques



### Course Code & Course Name: GE3172- English Laboratory

#### COURSE OUTCOMES (COs)

<b>CO</b> 1	To listen to and comprehend general as well as complex academic information
CO2	To listen to and understand different points of view in a discussion
CO3	To speak fluently and accurately in formal and informal communicative contexts
<b>CO</b> 4	To describe products and processes and explain their uses and purposes clearly and accurately.
CO5	To express their opinions effectively in both formal and informal discussions



# **II SEMESTER**



#### Course Code & Course Name: HS3252 – Professional English II

#### **COURSE OUTCOMES (COs)**

#### List of Course Outcomes

CO1	To compare and contrast products and ideas in technical texts.
CO2	To identify and report cause and effects in events, industrial processes through technical texts
CO3	To analyse problems in order to arrive at feasible solutions and communicate them in the written format.
CO4	To present their ideas and opinions in a planned and logical manner
CO5	To draft effective resumes in the context of job search.

#### Course Code & Course Name: MA3251-Statistics and Numerical Methods

## COURSE OUTCOMES (COs)

#### List of Course Outcomes

CO1	Apply the concept of testing of hypothesis for small and large samples in real life problems.
CO2	Apply the basic concepts of classifications of design of experiments in the field of agriculture.
CO3	Appreciate the numerical techniques of interpolation in various intervals and apply the numerical techniques of differentiation and integration for engineering problems.
CO4	Understand the knowledge of various techniques and methods for solving first and second order ordinary differential equations.
CO5	Solve the partial and ordinary differential equations with initial and boundary conditions by using certain techniques with engineering applications.

#### Course Code & Course Name: PH3256 – Physics for Information Science

#### <u>COURSE OUTCOMES (COs)</u> List of Course Outcomes

CO1	Gain knowledge on classical and quantum electron theories, and energy band structures
CO2	acquire knowledge on basics of semiconductor physics and its applications in various levices



CO3	get knowledge on magnetic properties of materials and their applications in data storage,
CO4	have the necessary understanding on the functioning of optical materials for optoelectronics
CO5	understand the basics of quantum structures and their applications and basics of quantum computing

#### Course Code & Course Name: BE3251 – Basic Electrical and Electronics Engineering

#### COURSE OUTCOMES (COs)

#### List of Course Outcomes

<b>CO</b> 1	Compute the electric circuit parameters for simple problems
CO2	Explain the working principle and applications of electrical machines
CO3	Analyze the characteristics of analog electronic devices
CO4	Explain the basic concepts of digital electronics
CO5	Explain the operating principles of measuring instruments

#### Course Code & Course Name:GE3251Engineering Graphics

#### COURSE OUTCOMES (COs)

#### List of Course Outcomes

CO1	Use BIS conventions and specifications for engineering drawing.
CO2	Construct the conic curves, involutes and cycloid.
CO3	Solve practical problems involving projection of lines.
<b>CO</b> 4	Draw the orthographic, isometric and perspective projections of simple solids.
CO5	Draw the development of simple solids.

#### Course Code & Course Name: CS3251 Programming in C

#### **COURSE OUTCOMES (COs)**

CO1	Demonstrate knowledge on C Programming constructs
CO2	Develop simple applications in C using basic constructs
CO3	Design and implement applications using arrays and strings



<b>CO</b> 4	Develop and implement modular applications in C using functions.
CO5	Develop applications in C using structures and pointers.

#### Course Code & Course Name: GE3271 Engineering Practices Laboratory

#### **COURSE OUTCOMES (COs)**

#### List of Course Outcomes

CO1	Draw pipe line plan; lay and connect various pipe fittings used in common household plumbing work; Saw; plan; make joints in wood materials used in common household wood work.
CO2	Wire various electrical joints in common household electrical wire work.
CO3	Weld various joints in steel plates using arc welding work; Machine various simple processes like turning, drilling, tapping in parts;
CO4	Assemble simple mechanical assembly of common householdequipment, Make a tray out of metal sheet using sheet metal work.
CO5	Solder and test simple electronic circuits; Assemble and test simple electronic components on PCB.

#### Course Code & Course Name: CS3271 Programming in C Laboratory

#### **COURSE OUTCOMES (COs)**

#### List of Course Outcomes

<b>CO1</b>	CO1: Demonstrate knowledge on C programming constructs.
CO2	CO2: Develop programs in C using basic constructs.
CO3	CO3: Develop programs in C using arrays.
<b>CO</b> 4	CO4: Develop applications in C using strings, pointers, functions.
CO5	CO5: Develop applications in C using structures.

#### Course Code & Course Name: GE3272- Communication Laboratory

#### **COURSE OUTCOMES (COs)**

#### List of Course Outcomes

**CO1** Speak effectively in group discussions held in a formal/semi formal contexts.



CO2	Discuss, analyse and present concepts and problems from various perspectives to arrive at suitable solutions
CO3	Write emails, letters and effective job applications.
CO4	Write critical reports to convey data and information with clarity and precision
CO5	Give appropriate instructions and recommendations for safe execution of tasks



# **III SEMESTER**



#### Course Code & Course Name:MA3354 Discrete Mathematics

#### COURSE OUTCOMES (COs)

#### **List of Course Outcomes**

CO1	Have knowledge of the concepts needed to test the logic of a program.
CO2	Have an understanding in identifying structures on many levels.
CO3	Be aware of a class of functions which transform a finite set into another finite set which relates to input and output functions in computer science.
<b>CO4</b>	Be aware of the counting principles.
CO5	Be exposed to concepts and properties of algebraic structures such as groups, rings and fields

# Course Code & Course Name: CS3351 Digital Principles and Computer Organization <u>COURSE OUTCOMES (COs)</u>

#### List of Course Outcomes

CO1	Designvariouscombinationaldigitalcircuitsusinglogicgates
CO2	Designsequential circuits and analyze the design procedures
CO3	Statethefundamentals of computersystemsandanalyzetheexecution of aninstruction
CO4	Analyzedifferenttypes of controldesignandidentifyhazards
CO5	Identifythecharacteristics of various memory systems and I/O communication

#### Course Code & Course Name: CS3352 Foundations of Data Science

#### **COURSE OUTCOMES (COs)**

CO1	Definethedata science process
CO2	Understanddifferenttypesof datadescription for datascience process
CO3	Gainknowledgeonrelationshipsbetweendata
CO4	UsethePython LibrariesforDataWrangling



**CO5** ApplyvisualizationLibrariesinPythontointerpretandexploredata

#### Course Code & Course Name: CS3301 Data Structures

#### COURSE OUTCOMES (COs)

#### List of Course Outcomes

CO1	Definelinearandnon-lineardatastructures.
CO2	Implement linearandnon-lineardatastructureoperations.
CO3	Useappropriatelinear/non-linear datastructureoperationsforsolvinga givenproblem.
<b>CO4</b>	Applyappropriategraphalgorithmsforgraphapplications.
CO5	Analyzethevarioussearchingandsortingalgorithms.

#### Course Code & Course Name: CS3391 Object Oriented Programming

#### COURSE OUTCOMES (COs)

#### List of Course Outcomes

CO1	Applytheconceptsofclassesandobjectstosolvesimpleproblems
CO2	Developprogramsusing inheritance, packages and interfaces
CO3	Make use of exception handling mechanisms and multithreaded model to solve real world problems the solution of the solution
<b>CO4</b>	Build Java applications with I/O packages, string classes, Collections and generics concepts
CO5	$\label{eq:linear} Integrate the concepts of event handling and Java FX components and controls for developing GUI based applications$

#### Course Code & Course Name: CS3311 Data Structures Laboratory

#### COURSE OUTCOMES (COs)

CO1	Implement Lineardatastructurealgorithms.
CO2	Implement applications using Stacks and Linked lists.
CO3	Implement Binary Search tree and AVL tree operations.



CO4	Implementgraph algorithms
CO5	Analyzethevarioussearchingandsortingalgorithms

### Course Code & Course Name: CS3381 Object Oriented Programming Laboratory

#### **COURSE OUTCOMES (COs)**

#### List of Course Outcomes

CO1	Designanddevelopjavaprogramsusingobjectorientedprogrammingconcepts
CO2	Developsimpleapplications using objectoriented concepts such as package, exceptions
CO3	Implementmultithreading, and generics concepts
<b>CO4</b>	Create GUIs and event driven programming applications for real world problems
CO5	Implement and deploy we bapplication susing Java

#### Course Code & Course Name: CS3361 Data Science Laboratory

### COURSE OUTCOMES (COs)

CO1	Makeuseofthepythonlibrariesfor datascience
CO2	Makeuseofthebasic StatisticalandProbabilitymeasuresfordatascience.
CO3	Performdescriptiveanalyticsonthebenchmarkdatasets.
<b>CO4</b>	Performcorrelationandregressionanalyticsonstandarddatasets
CO5	Present and interpret data using visualization packages in Python.



# **IV SEMESTER**



#### Course Code & Course Name : CS3452 Theory of Computation

#### **COURSE OUTCOMES (COs)**

#### List of Course Outcomes

CO1	ConstructautomatatheoryusingFiniteAutomata
CO2	Writeregular expressions for any pattern
CO3	Designcontextfreegrammar and Pushdown Automata
CO4	DesignTuringmachineforcomputational functions
CO5	Differentiatebetweendecidableandundecidableproblems

#### Course Code & Course Name : CS3491 Artificial Intelligence and Machine Learning

#### **COURSE OUTCOMES (COs)**

#### List of Course Outcomes

CO1	Useappropriatesearchalgorithmsforproblemsolving
CO2	Applyreasoningunder uncertainty
CO3	Buildsupervisedlearningmodels
<b>CO4</b>	Buildensemblingandunsupervisedmodels
CO5	Builddeeplearningneuralnetworkmodels

#### Course Code & Course Name :CS3492 Database Management Systems

#### **COURSE OUTCOMES (COs)**

CO1	ConstructSQLQueriesusing relational algebra
CO2	DesigndatabaseusingERmodelandnormalizethedatabase
CO3	Construct queries to handle transaction processing and maintain consistency of thedatabase



CO4	Compare and contrast various indexing strategies and apply the knowledge to tune theperformance of the database
CO5	Appraise how advanced databases differ from Relational Databases and find a suitabledatabaseforthegiven requirement.

#### Course Code & Course Name :CS3401 Algorithms

#### COURSE OUTCOMES (COs)

#### List of Course Outcomes

CO1	Analyzetheefficiencyof algorithmsusingvariousframeworks
CO2	Applygraphalgorithmstosolveproblemsandanalyzetheirefficiency.
CO3	Make use of algorithm design techniqueslike divide and conquer, dynamic programmingandgreedytechniquesto solve problems
CO4	Usethestatespacetreemethodforsolvingproblems.
CO5	Solveproblemsusingapproximationalgorithmsandrandomizedalgorithms

#### Course Code & Course Name : CS3451 Introduction to Operating Systems <u>COURSE OUTCOMES (COs)</u>

CO1	Analyzevariousscheduling algorithmsandprocesssynchronization.
CO2	Explaindeadlockpreventionandavoidancealgorithms.
CO3	Compareandcontrastvariousmemorymanagement schemes.
<b>CO4</b>	Explainthefunctionalityoffilesystems, I/O systems, and Virtualization
CO5	CompareiOSandAndroidOperatingSystems.



#### Course Code & Course Name : GE3451 Environmental Sciences and Sustainability <u>COURSE OUTCOMES (COs)</u> List of Course Outcomes

LISt O	a Course Outcomes
CO1	Torecognizeandunderstandthefunctionsofenvironment, ecosystems and biodiversity and their conservation
CO2	Toidentify the causes, effects of environmental pollution and natural disasters and contribute to the preventiv the society.
CO3	Toidentifyandapplytheunderstandingofrenewableandnon-renewableresourcesandcontributetothe sustainablemeasuresto preserve themforfuturegenerations.
CO4	Torecognizethedifferentgoalsofsustainabledevelopmentandapplythemforsuitabletechnologicaladvance development.
CO5	Todemonstrate the knowledge of sustainability practices and identify green materials, energy cycles and there urbanization.

#### Course Code & Course Name : CS3461 Operating Systems Laboratory <u>COURSE OUTCOMES (COs)</u>

#### List of Course Outcomes

CO1	DefineandimplementUNIXCommands.
CO2	Comparetheperformanceof variousCPUSchedulingAlgorithms.
CO3	CompareandcontrastvariousMemoryAllocationMethods.
<b>CO4</b>	DefineFileOrganizationandFileAllocationStrategies.
CO5	ImplementvariousDiskSchedulingAlgorithms.

# Course Code & Course Name : CS3481 Database Management Systems Laboratory COURSE OUTCOMES (COs)

CO 1	Createdatabaseswithdifferenttypesofkeyconstraints.
CO 2	ConstructsimpleandcomplexSQLqueriesusingDML andDCLcommands.



CO 3	Use a dvance dfeatures such as stored procedures and triggers and incorporate in GUI based applic at ion development.
CO 4	CreateanXML databaseandvalidatewithmeta-data(XMLschema).
CO 5	Createandmanipulate datausingNOSQLdatabase.



# **V SEMESTER**



#### Course Code & Course Name :CS3591 Computer Networks <u>COURSE OUTCOMES (COs)</u>

List of Course Outcomes

CO1	Explainthebasiclayersanditsfunctionsincomputernetworks
CO2	Understandthebasics of how data flows from one node to another.
CO3	Analyze routing algorithms.
<b>CO4</b>	Describeprotocolsforvariousfunctionsinthenetwork.
CO5	Analyzetheworkingof variousapplicationlayerprotocols.

#### Course Code & Course Name : CS3501 Compiler Design <u>COURSE OUTCOMES (COs)</u> List of Course Outcomes

List		
CO1	CO1:Understandthetechniquesindifferentphasesof acompiler	
CO2	Design alexicalanalyserforasamplelanguageandlearntousetheLEXtool.	
CO3	$\label{eq:apply} Apply different parsing algorithms to develop a parser and learn to use YACC tool$	
<b>CO4</b>	Understandsemanticsrules(SDT), intermediatecodegeneration and run- timeenvironment	
CO5	Implementcodegenerationandapplycodeoptimizationtechniques.	

#### Course Code & Course Name : CB3491 Cryptography and Cyber Security <u>COURSE OUTCOMES (COs)</u> List of Course Outcomes

LISUU	List of Course Outcomes	
CO1	Understand the fundamentals of networks security, security architecture, threats andvulnerabilities	
CO2	Applythedifferentcryptographicoperations of symmetric cryptographical gorithms	
CO3	Apply the different cryptographic operations of public key cryptography	
<b>CO4</b>	Apply the various Authentication schemes to simulate different applications.	
CO5	Understand various cyber crimesand cybersecurity	



#### Course Code & Course Name : CS3551 Distributed Computing <u>COURSE OUTCOMES (COs)</u>

List of Course Outcomes

CO1	Explainthefoundations of distributed systems (K2)
CO2	Solvesynchronizationandstateconsistencyproblems(K3)
CO3	Useresourcesharingtechniquesindistributedsystems(K3)
CO4	$\label{eq:applyworking} Apply working model of consensus and reliability of distributed systems (K3)$
CO5	Explainthefundamentalsofcloudcomputing(K2)

#### Course Code & Course Name :CCS375 Web Technologies <u>COURSE OUTCOMES (COs)</u> List of Course Outcomes

LISU	
CO1	Construct a basic website using HTML and Cascading Style Sheets
CO2	Build dynamic web page with validation using Java Script objects and by applying differenteventhandling mechanisms.
CO3	Developserversideprogramsusing ServletsandJSP.
<b>CO4</b>	Constructsimplewebpagesin PHPandtorepresentdatainXMLformat.
CO5	Developinteractivewebapplications

#### Course Code & Course Name :CCS366 Software Testing and Automation <u>COURSE OUTCOMES (COs)</u> List of Course Outcomes

LISU	List of Course Outcomes	
CO1	Understandthebasicconcepts of softwaretesting and the need for softwaretesting	
CO2	DesignTestplanning and different activities involved intestplanning	
CO3	Designeffectivetestcasesthatcanuncovercriticaldefectsintheapplication	
CO4	Carryoutadvancedtypesoftesting	
CO5	Automatethesoftware testing usingSelenium andTestNG	



#### Course Code & Course Name :MX3084 Disaster Risk Reduction And Management <u>COURSE OUTCOMES (COs)</u>

CO 1	ToimpartknowledgeontheconceptsofDisaster,VulnerabilityandDisasterRiskreduction(D RR)
CO 2	To enhance understanding on Hazards, Vulnerability and Disaster Risk Assessmentpreventionandriskreduction
CO 3	Todevelopdisasterresponseskills byadoptingrelevanttools and technology
CO 4	Enhanceawarenessof institutionalprocesses for Disasterresponse in the country
CO 5	Develop rudimentary ability to respond to their surroundings with potential Disaster responseinareaswheretheylive, withdue sensitivity



# **VI SEMESTER**



#### Course Code & Course Name :CCS356 Object Oriented Software Engineering

#### **COURSE OUTCOMES (COs)**

List of Course Outcomes	
CO1	ComparevariousSoftwareDevelopment LifecycleModels
CO2	Evaluate project management approaches as well as cost and schedule estimationstrategies.
CO3	Performformalanalysisonspecifications.
<b>CO4</b>	UseUML diagrams for analysis and design.
CO5	$\label{eq:constraint} Architectand design using architectural styles and design patterns, and test the system$

#### Course Code & Course Name :CS3691 Embedded Systems and IoT <u>COURSE OUTCOMES (COs)</u> List of Course Outcomes

CO1	Explainthearchitecture of embedded processors.
CO2	Write embedded Cprograms.
CO3	Designsimpleembeddedapplications.
<b>CO4</b>	ComparethecommunicationmodelsinIOT
CO5	DesignIoTapplicationsusing Arduino/RaspberryPi/openplatform

### Course Code & Course Name :OEE351 Renewable Energy System COURSE OUTCOMES (COs)

List of Course Outcomes	
CO1	Attainedknowledgeaboutvarious renewableenergytechnologies
CO2	AbilitytounderstandanddesignaPVsystem.
CO3	Understandtheconcept of various windenergy system.
<b>CO4</b>	Gainedknowledgeaboutvariouspossiblehybridenergysystems
CO5	Attainedknowledgeaboutvariousapplication of renewable energy technologies



#### Course Code & Course Name :CCS370 UI and UX Design COURSE OUTCOMES (COs)

List of Course Outcomes	
CO1	BuildUIforuserApplications
CO2	Evaluate UX design of any product or application
CO3	Demonstrate UX Skills in product development
<b>CO4</b>	ImplementSketching principles
CO5	CreateWireframeandPrototype

#### Course Code & Course Name :CCS354 Network Security <u>COURSE OUTCOMES (COs)</u> List of Course Outcomes

List of Course Outcomes	
CO1	Classifytheencryptiontechniques
CO2	Illustratethekeymanagementtechniqueandauthentication.
CO3	Evaluatethesecuritytechniquesappliedtonetworkandtransport layer
CO4	Discuss the application layers ecurity standards.
CO5	Applysecuritypracticesforrealtimeapplications.

#### Course Code & Course Name :CCS352 Multimedia and Animation <u>COURSE OUTCOMES (COs)</u> List of Course Outcomes

	List of course outcomes
CO1	GetthebiggerpictureofthecontextofMultimediaanditsapplications
CO2	Usethedifferenttypes of mediaelements of different formats on content pages
CO3	Author 2D and 3D creative and interactive presentations for different target multimedia applications.
CO4	Usedifferentstandardanimationtechniquesfor2D,21/2D,3Dapplications
CO5	Understand the complexity of multimedia applications in the context of cloud, security, big data streaming, social networking, CBIR etcomplexity of the context of the co



#### Course Code & Course Name :MX3089 Industrial Safety COURSE OUTCOMES (COs)

List of Course Outcomes	
CO1	Understandthebasicconceptofsafety.
CO2	ObtainknowledgeofStatutoryRegulationsandstandards.
CO3	KnowaboutthesafetyActivities of the WorkingPlace.
<b>CO4</b>	AnalyzeontheimpactofOccupationalExposuresandtheirRemedies
CO5	ObtainknowledgeofRisk AssessmentTechniques