South College of Exempting

Godavari Foundation's

GODAVARI COLLEGE OF ENGINEERING AND POLYTECHNIC, JALGAON

Semester - III

Engineering Mathematics-III (BTES301)

Course Outcomes:

| CO 1 | Explain the concept of Vector functions. |
|---------|-------------------------------------------------------------------------------------------|
| CO 2 | Illustrate the concept of different matrix operations. |
| CO | Recognize the concept of linear equations and the various fundamental concepts of Fourier |
| 3 | Series. |
| CO 4 | Analyze the concept of determinants. |
| CO 5 | Evaluate diagonalization and applications. |
| CO 1 | Explain the various fundamental concepts of the Set theory and Logics. |

Discrete Mathematics (BTCOC302)

Course Outcomes:

| CO1 | Explain the various fundamental concepts of the Set theory and Logics. |
|-----|-----------------------------------------------------------------------------------------------|
| CO2 | Solve problems in recurrence relations. |
| CO3 | Utilize graph theory concepts in computer science. |
| CO4 | Familiarize with the applications of trees and algorithms on minimal spanning trees. |
| CO5 | Utilize the concepts and properties of algebraic structures such as groups, rings and fields. |

Data Structures (BTCOC303)

| CO1 | Understand fundamentals of data structures and the concepts of Hashing. |
|-----|-------------------------------------------------------------------------|
| CO2 | Apply Linear Data Structures: Stack, Queues and Recursion. |
| CO3 | Apply Linear Data Structures: Linked Lists. |
| CO4 | Apply Non-Linear Data Structures: Trees and Graphs. |
| CO5 | Understand and Sorting Algorithms. |

Computer Architectute and Organization (BTCOC304)

Course Outcomes:

| CO1 | Understand and describe the basic organization and operation of the components of a digital computer system. |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CO2 | Aquire knowledge of instruction sets and addressing modes and analyze the performance issues of the processor. |
| CO3 | Illustrate various arithmetic and logical operations on different types of numbers to design an arithmetic and logic unit. |
| CO4 | Categorize the hierarchical memory system and examine the virtual memory implementation techniques. |
| CO5 | Demonstrate various control unit operations. Compare the different I/O data transfer techniques, and describe the different ways of communication among I/O devices and standard I/O interfaces. |

Elective-I: Object Oriented Programming in C++ (BTCOC305)

Course Outcomes:

| CO1 | Explain the basic concepts of object oriented programming language in C++. |
|-----|-------------------------------------------------------------------------------|
| CO2 | Introduces the concept of operator overloading, inheritance and polymorphism. |
| CO3 | Introduces virtual function and dynamic binding. |
| CO4 | Introduces stream manipulators and different operations on file. |
| CO5 | Explain the concept of template, exception handling and STL. |

Data Structure Laboratory (BTCOC306)

| CO1 | Develop a program using linear data structures such as array and circular queue. |
|-----|-------------------------------------------------------------------------------------------------------|
| CO2 | Develop a program for basic operations of stack and its applications. |
| CO3 | Construct a program using non-linear data structures and their applications such as trees and graphs. |
| CO4 | Construct a program using linear data structures for linked lists. |
| CO5 | Implement sorting algorithms. |

Object Oriented Programming in C++ Lab (BTCOC306)

Course Outcomes:

| CO1 | Develop a program using linear data structures such as array and circular queue. |
|-----|-------------------------------------------------------------------------------------------------------|
| CO2 | Develop a program for basic operations of stack and its applications. |
| CO3 | Construct a program using non-linear data structures and their applications such as trees and graphs. |
| CO4 | Construct a program using linear data structures for linked lists. |
| CO5 | Implement sorting algorithms. |

Seminar – I (BTCOC307)

Course Outcomes:

| CO1 | Identify recent technical topics from interested domains. |
|-----|--------------------------------------------------------------------|
| CO2 | Analyze the applicability of modern software tools and technology. |
| CO3 | Develop Presentation and Communication skills. |
| CO4 | Develop Technical report preparation skills. |

Field Training / Internship / Industrial Training Evaluation (BTES211P)

| CO1 | Understand the organogram of the industry and appreciate the skill enhancement. |
|-----|-------------------------------------------------------------------------------------------|
| CO2 | Write an effective Field Training or Internship or Industrial Training Evaluation report. |
| CO3 | Deliver an effective presentation. |
| CO4 | Inculcate non-plagiarism and teamwork ethics. |

Semester – IV

Design & Analysis of Algorithms (BTCOC401)

Course Outcomes:

| CO1 | Understand the notion of an algorithm, asymptotic notations. |
|-----|-------------------------------------------------------------------------------|
| CO2 | Analyze the divide conquer techniques. |
| CO3 | Explain the algorithm design techniques using backtracking, branch and bound. |
| CO4 | Understand the algorithm design techniques using greedy algorithms. |
| CO5 | Understand the algorithm design techniques using dynamic programming. |

Operating Systems (BTCOC402)

Course Outcomes:

| CO1 | Understand the concept of OS and functional components. |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CO2 | Analyse process and threads. |
| CO3 | Analyze process synchronization and conceptualize semaphores. Analyze System model for deadlock, Methods for handling deadlocks. Analyze and describe System model for deadlock, Methods for handling deadlocks and memory management strategies |
| CO4 | Understand the concepts of memory management and virtual memory management. |
| CO5 | Understand the concepts of file management and mass storage structure. |

Basic Human Rights (BTHM403)

| CO1 | Understand the basic concept of human values, human rights and human duties. |
|-----|------------------------------------------------------------------------------------------|
| CO2 | Analyze fundamental rights and economic programme, social structure and social problems. |
| CO3 | Analyze migrant workers, NGOs and human rights in India. |
| CO4 | Understand human rights in Indian constitution and law. |
| CO5 | Evaluate constitution, law, national and state human rights commission. |

Probability and Statistics (BTCOC404)

Course Outcomes:

| CO1 | Recall the basics of Probability and Statistics. |
|-----|-------------------------------------------------------------------------------------------------------|
| CO2 | Apply the idea of basics of probability and Random variables in solving various engineering problems. |
| CO3 | Analyze types of correlation. |
| CO4 | Analyze linear and non-linear regression. |
| CO5 | Evaluate population mean and test hypotheses. |

Digital Logic Design & Microprocessors (BTES405)

Course Outcomes:

| CO1 | Understand the concept of digital signals, circuits, number systems. |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| CO2 | Analyze Combinational Logic circuits, Simplification of Algebraic Equations using Karnaugh Maps. Construct Digital multiplexers, Adders and Subtractors. |
| CO3 | Construct Latches and various types of Flip-Flops. |
| CO4 | Understand the fundamentals of microprocessors |
| CO5 | Explain 80x86 instruction set and Design and develop assembly programs using 80x86 assembly language instructions. |

Operating Systems Lab (BTES405)

Course Outcomes:

| CO1 | Implement the basic command of UNIX and shell script programming. |
|-----|-------------------------------------------------------------------------------|
| CO2 | Implement CPU scheduling algorithms, page replacement algorithms and threads. |
| CO3 | Implement the process synchronization problem using semaphore. |
| CO4 | Implement Producer-Consumer problem using Banker's algorithm. |
| CO5 | Implement memory allocation algorithms. |

Python Programming Lab (BTES405)

| CO1 | Understand basic syntax of python implementation. |
|-----|-------------------------------------------------------|
| CO2 | Practically apply looping and conditional constructs. |
| CO3 | Develop programs related with list data structure. |
| CO4 | Design programs related to dictionary and set. |
| CO5 | Implement the program for file manipulation. |

<u>Seminar – II (BTCOS407)</u>

Course Outcomes:

| CO1 | Devlop webpages using HTML and CSS. |
|-----|-----------------------------------------------|
| CO2 | Implement simple calculator using JavaScript. |
| CO3 | Implement program using HTML and JavaScript. |
| CO4 | Implement programs using PHP. |
| CO5 | Implement programs using PHP and AJAX. |

Field Training / Internship / Industrial Training Evaluation (BTCOF408)

| CO1 | Participate in the projects in industries during his or her industrial training. |
|-----|------------------------------------------------------------------------------------------------------------|
| CO2 | Describe use of advanced tools and techniques encountered during industrial training and visit. |
| CO3 | Interact with industrial personnel and follow engineering practices and discipline prescribed in industry. |
| CO4 | Develop awareness about general workplace behavior and build interpersonal and team skills. |
| CO5 | Prepare professional work reports and presentations. |

Semester - V

Database Systems (BTCOC501)

Course Outcomes:

| CO1 | Summarize the concepts of database objects Make use of ER diagram. |
|-----|--------------------------------------------------------------------|
| CO2 | Analyze relational data model and relational algebra. |
| CO3 | Use Structured Query Language (SQL) for database manipulation. |
| CO4 | Make use of normalization techniques and file organization. |
| CO5 | Analyze transaction processing and concurrency control. |

Theory of Computation (BTCOC502)

Course Outcomes:

| CO1 | Understand the concept of finite automata and analyze regular expressions. |
|-----|----------------------------------------------------------------------------|
| CO2 | Analyze context free grammers. |
| CO3 | Illustrate context free languages. |
| CO4 | Illustrate push down automata. |
| CO5 | Evaluate turing machines. |

Software Engineering (BTCOC503)

Course Outcomes:

| CO1 | Understand software engineering ethics and software process. |
|-----|------------------------------------------------------------------|
| CO2 | Analyze Agile software development. |
| CO3 | Apply system modeling and architectural design. |
| CO4 | Design and implement object oriented modeling using UML diagram. |
| CO5 | Apply software testing |

Elective – II: Human computer Interaction (BTCOC504)

| CO1 | Understand the concept of HCI - human thinking, text entry devices, models of interaction. |
|-----|--------------------------------------------------------------------------------------------|
| CO2 | Design effective HCI. |
| CO3 | Apply implementation support, evaluation techniques, |
| CO4 | Apply cognitive, communication and collaboration models. |
| CO5 | Develop groupware and web content. |

Elective – II: Numerical Methods (BTES504)

Course Outcomes:

| CO1 | Solve Algebraic and Transcendental Equation. |
|-----|----------------------------------------------|
| CO2 | Solve Linear Simultaneous Equation. |
| CO3 | Solve Finite Differences. |
| CO4 | Solve Differentiation and Integration. |
| CO5 | Evaluate Solution of ODE. |

Elective – III: Economics and Management (BTHM505)

Course Outcomes:

| CO1 | Understand the concept of business communication. |
|-----|----------------------------------------------------------|
| CO2 | Identify the essential skills of business communication. |
| CO3 | Communicate the organizational issues effectively. |
| CO4 | Understand various types of communication. |
| CO5 | Apply leadership and ethics in business communication. |

Software Engineering Lab (BTCOL506)

| CO1 | Discuss and Analyses how to develop software requirements specifications for a given problem. |
|-----|--------------------------------------------------------------------------------------------------|
| CO2 | Design DFD, Structured chart. |
| CO3 | Design Use case diagram, Class diagram, object diagram, Sequence diagram, Collaboration diagram. |
| CO4 | Design State-chart diagram, Activity diagram, Component diagram, Deployment diagram. |
| CO5 | Apply unit testing and integration testing. |

<u>Mini-project – I (BTCOM507)</u>

Course Outcomes:

| CO1 | Identify societal from the villages or towns with well-defined objectives. |
|-----|----------------------------------------------------------------------------|
| CO2 | Build a model for the problem chosen using modern tools and technology. |
| CO3 | Organize the technical report effectively. |
| CO4 | Present the solution in front of faculty members. |

Field Training / Internship / Industrial Training Evaluation (BTCOF408)

| CO1 | Participate in the projects in industries during his or her industrial training. |
|-----|------------------------------------------------------------------------------------------------------------|
| CO2 | Describe use of advanced tools and techniques encountered during industrial training and visit. |
| CO3 | Interact with industrial personnel and follow engineering practices and discipline prescribed in industry. |
| CO4 | Develop awareness about general workplace behavior and build interpersonal and team skills. |
| CO5 | Prepare professional work reports and presentations. |

Semester - VI

Compiler Design (BTCOC601)

Course Outcomes:

| CO1 | Explain the phases of a Compiler. |
|-----|-----------------------------------------------------------------------|
| CO2 | Design a lexical analyzer generator. |
| CO3 | Construct a top down and bottom up parser. |
| CO4 | Construct syntax tree, bottom-up evaluation and top-down translation. |
| CO5 | List various code generation techniques. |

Computer Networks (BTCOC602)

Course Outcomes:

| CO1 | Enumerate the layers of the OSI model and TCP/IP. Explain the function(s) of each |
|-----|-----------------------------------------------------------------------------------|
| | layer. |
| CO2 | Identify the different types of LAN technologies. |
| CO3 | Evaluate error correction and detection of data link layer. |
| CO4 | Understand the network layer protocols and congestion control. |
| CO5 | Understand application layer protocols and the concepts of Network security and |
| | cryptography. |

Machine Learning (BTCOC603)

| CO1 | Understand types of learning. |
|-----|-----------------------------------------------------------------------------------------------|
| CO2 | Apply bayes learning, logistic regression and SVM. |
| CO3 | Understand the basic concept of deep neural network, multilayer network and back propagation. |
| CO4 | Apply PAC learning model. |
| CO5 | Apply Clustering k-means, adaptive hierarchical clustering, Gaussian mixture model. |

<u>Elective – IV: Geographic Information System (BTCOC604)</u>

Course Outcomes:

| CO1 | Understand different components of GIS and different types of vector data, raster data mdel and TIN data model. |
|-----|-----------------------------------------------------------------------------------------------------------------|
| CO2 | Apply Raster data compression techniques. |
| CO3 | Apply pre-processing of spatial datasets and different map projections. |
| CO4 | Assessment of freely available DEMS GIS analysis-1 |
| CO5 | Analyze GIS and evaluate application errors in GIS. |

Elective – IV: Internet of Things (BTCOC604)

Course Outcomes:

| CO1 | Interpret the impact and challenges posed by IoT networks leading to new architectural models. |
|-----|------------------------------------------------------------------------------------------------|
| CO2 | Illustrate the smart objects and the technologies to connect them to network. |
| CO3 | Understand IP layer and optimizaion of IP for IoT. |
| CO4 | Infer the role of Data Analytics and Security in IoT. |
| CO5 | Build IoT with physical devices and endpoints. |

Elective – IV: Embedded Systems (BTCOE604)

| CO1 | Design single purpose processor. |
|-----|--------------------------------------------------------------------------------------|
| CO2 | Understand the architecture of ARM7TDMI-S processor. |
| CO3 | Design system control and GPIO. |
| CO4 | Design UART and serial peripheral interface. |
| CO5 | Design and simulation of system. Undertsand basic concepts of simple digital camera. |

<u>Elective – V: Development Engineering (BTHM605)</u>

Course Outcomes:

| CO1 | Understand various definations of development engineering. |
|-----|-------------------------------------------------------------------------------------------------------------|
| CO2 | Analyze poverty and development of India and identify Engineer's role.ial skills of business communication. |
| CO3 | Implement social justice and engineering. |
| CO4 | Apply development strategies in different perspectives. |
| CO5 | Evaluate various developments of community by engineers. |

<u>Elective – V: Employability and Skill Development (BTHM605)</u>

Course Outcomes:

| CO1 | Understand basic concepts of soft skills and communication. |
|-----|------------------------------------------------------------------------------------------------------------------|
| CO2 | Apply Arithmetic and Mathematical Reasoning and Analytical Reasoning and Quantitative Ability to solve problems. |
| CO3 | Develop writing skills of grammer and comprehension. |
| CO4 | Develop interview and group discussion skills. |
| CO5 | Evaluate problem by applying problem solving model and skills. |

<u>Elective – V: Consumer Behaviour (BTHM605)</u>

| CO1 | Understand the concept of consumer behavior and its influence on market. |
|-----|--------------------------------------------------------------------------------|
| CO2 | Understand role of market segmentation and consumer decision making process. |
| CO3 | Analyze various models of consumer behavior. |
| CO4 | Analyze the consumer psychology and attitude. |
| CO5 | Evaluate relationship between Consumer influence and Diffusion of Innovations. |

Competitive Programming Lab (BTCOL606)

Course Outcomes:

| CO1 | Solve programming challenges by online judging. |
|-----|------------------------------------------------------------------------------------------|
| CO2 | Design various programs using elementary data structures and solve challenging problems. |
| CO3 | Design various programs using strings and solve challenging problems. |
| CO4 | Design various programs using sorting algorithms and solve challenging problems. |
| CO5 | Solve challenging problems by applying arithmetic and algebra. |

Machine Learning Lab (BTCOL606)

Course Outcomes:

| CO1 | Implement program for regression analysis and plot interpretation. |
|-----|--------------------------------------------------------------------|
| CO2 | Implement program for logistic regression analysis in R. |
| CO3 | Implement program for random forest and parameter tuning in R. |
| CO4 | Evaluate clustering algorithms in R |
| CO5 | Develop machine learning project in python on house prices data. |

<u>Mini-project – II (BTCOM607)</u>

| CO1 | Identify societal from the villages or towns with well-defined objectives. |
|-----|----------------------------------------------------------------------------|
| CO2 | Build a model for the problem chosen using modern tools and technology. |
| CO3 | Organize the technical report effectively. |
| CO4 | Present the solution in front of faculty members. |

Field Training / Internship / Industrial Training (BTCOF608)

| CO1 | Participate in the projects in industries during his or her industrial training. |
|-----|------------------------------------------------------------------------------------------------------------|
| CO2 | Describe use of advanced tools and techniques encountered during industrial training and visit. |
| CO3 | Interact with industrial personnel and follow engineering practices and discipline prescribed in industry. |
| CO4 | Develop awareness about general workplace behavior and build interpersonal and team skills. |
| CO5 | Prepare professional work reports and presentations. |

Semester - VII

Artificial Intelligence (BTCOC701)

Course Outcomes:

| CO1 | Understand the key components of Artificial Intelligence field. |
|-----|-----------------------------------------------------------------------------------------------------|
| CO2 | Identify various problem solving strategies. |
| CO3 | Construct the solution for the problem using various knowledge and logic representation techniques. |
| CO4 | Interpret the knowledge in uncertain domain. |
| CO5 | Understand basic concept of natural language processing and various learning techniques. |

Cloud Computing (BTCOC702)

Course Outcomes:

| CO1 | Understand the concept of virtualization and how this has enabled the development of Cloud Computing. |
|-----|-------------------------------------------------------------------------------------------------------|
| CO2 | Know the fundamentals of cloud, cloud Architectures and types of services in cloud. |
| CO3 | Understand scaling, cloud security and disaster management. |
| CO4 | Design different Applications in cloud. |
| CO5 | Explore some important cloud computing driven commercial systems. |

Elective – VI: Bioinformatics (BTCOE703)

| CO1 | Understand history and application of Bioinformatics, types of databases. |
|-----|------------------------------------------------------------------------------------------------------------------|
| CO2 | Use sequence alignment techniques and compare genomics and proteomics. |
| CO3 | Apply phylogeny and its concepts in molecular evolution and different methods of Phylogenetic tree construction. |
| CO4 | Apply bioinformatics in drug designing using bioinformatics tools. |
| CO5 | Build human genome project. |

<u>Elective – VI: Distributed System (BTCOE703)</u>

Course Outcomes:

| CO1 | Understand how to apply the knowledge to gain insight of Distributed System in solving real world problems. |
|-----|-------------------------------------------------------------------------------------------------------------|
| CO2 | Implement remote procedure calls and client server binding. |
| CO3 | Understand architecture of distributed shared memory. |
| CO4 | Discuss resource and process management in distributed system |
| CO5 | Explain the file accessing model. |

Elective – VI: Big Data Analytics (BTCOE703)

Course Outcomes:

| CO1 | Understand fundamentals of Big Data analytics. |
|-----|-----------------------------------------------------|
| CO2 | Illustrate various big data platforms. |
| CO3 | Apply big data streaming platforms for fast data. |
| CO4 | Apply various big data machine learning algorithms. |
| CO5 | Construct queries on databases using mongoDB. |

Open Elective – VII: Cryptography and Network Security (BTCOE704)

| CO1 | Crypt-Analysis of classical cryptosystems. |
|-----|---------------------------------------------------------------------------------------|
| CO2 | Crypt-Analysis symmetric key ciphers. |
| CO3 | Understand Stream Ciphers and Pseudo-randomness and evaluate hash functions and MACs. |
| CO4 | Construction and crypt-analysis of asymmetric key ciphers. |
| CO5 | Apply modern trends in asymmetric key cryptography. |

Open Elective – VII: Business Intelligence (BTCOE704)

Course Outcomes:

| CO1 | Understand the basic componets and life cycle of business intelligence. |
|-----|------------------------------------------------------------------------------|
| CO2 | Apply best practices, business decision making and analyze business. |
| CO3 | Evaluate performance of business using business intelligence tools. |
| CO4 | Apply data warehousing options. |
| CO5 | Illustrate dimension modeling, OLAP, MDD, Data warehouse project management. |

Open Elective – VII: Blockchain Technology (BTCOE704)

Course Outcomes:

| CO1 | Explain the basic concepts and technology used for blockchain. |
|-----|-----------------------------------------------------------------------------------------------------|
| CO2 | Illustrate the concepts of Bitcoin and working consensus in bitcoin. |
| CO3 | Analyze the working of Smart Contracts and illustrate consensus models for permissioned blockchain. |
| CO4 | Comprehend the use Blockchain in real world scenarios and applications. |
| CO5 | Build blockchain and write smart contracts. |

Open Elective – VIII: Virtual Reality (BTCOE705)

Course Outcomes:

| CO1 | Describe how VR systems work and create 3D computer graphics. |
|-----|--------------------------------------------------------------------------------------------------------------------------|
| CO2 | Create 3D scenes with Unity and experiment with various user interface (UI) techniques that are used in VR applications. |
| CO3 | Apply linear and non linear translation and animate the object in virtual environment. |
| CO4 | Evaluate physical simulation of various applications. |
| CO5 | Illustrate human factors, VR hardware, VR software and its applications. |

<u>Open Elective – VIII: Deep Learning (BTCOE705)</u>

| CO1 | Understand perceptron learning algorithm. |
|-----|--------------------------------------------------------------------|
| CO2 | Understand the significant features of feedforward neural network. |

| CO3 | Analyse various types of auto encoders. |
|-----|---------------------------------------------|
| CO4 | Elaborate various types of neural networks. |
| CO5 | Elaborate recurrent neural networks. |

Open Elective – VIII: Design Thinking (BTCOE705)

Course Outcomes:

| CO1 | Understand the process of design thinking. |
|-----|--------------------------------------------------------------------------------------------------------------|
| CO2 | Apply the Design Thinking process and use tools like Empathy Map for solving problems in user centric way. |
| CO3 | Develop skills in Brainstorming for Product Design and Development. |
| CO4 | Develop skills in testing and implementation for prototyping and validation. |
| CO5 | Apply the Design thinking Techniques for solving problems in a company and understand Innovation Management. |

Artificial Intelligence Lab (BTCOL707)

Course Outcomes:

| CO1 | Implement a program to solve 8 queens problem using PROLOG. |
|-----|------------------------------------------------------------------------------------------|
| CO2 | Implement a program to solve any problem using depth first search and best first search. |
| CO3 | Implement a program to solve 8-puzzle problem using best first serch. |
| CO4 | Implement a program to solve Robot traversal problem using means and end analysis. |
| CO5 | Implement a program to solve traveling salesman problem. |

Cloud Computing Lab (BTCOL707)

| CO1 | Sketch out architecture of moodle cloud portal and moodle cloud site. |
|-----|------------------------------------------------------------------------------------------|
| CO2 | Implement a scenario in wordpress for Social Marketing, Search engine and Sharing Tools. |
| CO3 | Install and configure virtual machine with guest OS. |
| CO4 | Implement various cloud entities using Amazon Web Service(AWS) and Microsoft Azure. |
| CO5 | Organize a case in Aneka / Eucalyptus for simulation entities in run-time. |

<u>Project Phase – I (BTCOL708)</u>

Course Outcomes:

| CO1 | Analyze the problem, formulation and solution of the selected project. |
|-----|------------------------------------------------------------------------------------------------------------------------------------------|
| CO2 | Develop solutions for contemporary problems using modern tools for sustainable development. |
| CO3 | Demonstrate ethical and professional sustainaability while working in a team and communicate effectively for the benefit of the society. |
| CO4 | Understand the engineering, finance and management principles. |

Field Training / Internship / Industrial Training (BTCOF708)

| CO1 | Participate in the projects in industries during his or her industrial training. |
|-----|------------------------------------------------------------------------------------------------------------|
| CO2 | Describe use of advanced tools and techniques encountered during industrial training and visit. |
| CO3 | Interact with industrial personnel and follow engineering practices and discipline prescribed in industry. |
| CO4 | Develop awareness about general workplace behavior and build interpersonal and team skills. |
| CO5 | Prepare professional work reports and presentations. |