VIDYA ACADEMY OF SCIENCE & TECHNOLOGY TECHNICAL CAMPUS – Kilimanoor

"A Unit of Vidya International Charitable Trust"

Constitution of Department Advisory Committee -Orders Issued

Order No.VAST TC /GEN/ORD/005 /2022 **Dt: 26/01/2022**

ORDER

Department Advisory Committee for the department of Mechanical Engineering is constituted as follows:

Sl.No	Name	Designation	Position
1	Mr. Bijeesh P	Associate Professor& HoD In Charge	Convenor
2	Mr. Robin David	Assistant Professor	Member
3	Mr. Ajayakumar A G	Assistant Professor	Member
4	Mr. Sreejith S Nair	Assistant Professor	Member

PRINCIPAL

Copy to
1. Director Project ,VAST TC
2. Director Academics, VAST TC
3. Members
4. All HODs
5. Network cell (for upload in site)
6. All staff members (through e-mail)
7. All Notice Boards

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VIDYA ACADEMY OF SCIENCE & TECHNOLOGY

TECHNICAL CAMPUS, KILIMANOOR

(A Unit of Vidya International Charitable Trust)

Mechanical Engineering

DAC Meeting Minutes

	Time:9:30 am	**Dt: 2/2/2022**

Members present: Mr. Bijeesh P, HoD ME Dept (Chairman)
Mr. Robin David , Assistant Professor
Mr. Ajayakumar AG, Assistant Professor
Mr. Sreejith S Nair, Assistant Professor

Agenda:
To finalize Course Outcomes

Sl No:	**Discussions**	**Decisions made**
1	All faculty' course evaluations were gathered and reviewed.	Must complete all subjects' course evaluations
2	Members of the DAC reviewed all Lab COs and Subject COs while taking each subject's curriculum into account.	To finalize the course outcomes of all subjects
3	CO All subjects and labs from the previous academic year are reviewed for proficiency.	To finalize the course outcomes of all subjects
4	The chairman approved the final list of COs for all subjects based on the review.	To publish the COs in the website

Action:
Disseminate the finalized COs to students and faculties

Name of Attendees	**Signature**
Mr. Bijeesh P	
Mr. Robin David	
Mr. Ajayakumar AG	
Mr. Sreejith S Nair	

Chairman

Department of Basic Science Engineering			
Sl.No.	Name of the Subject	CO Code	Course Outcomes
1	Linear Algebra and Calculus	MAT101	solve systems of linear equations, diagonalize matrices and characterise quadratic forms
		MAT101	compute the partial and total derivatives and maxima and minima of multivariable functions
		MAT101	compute multiple integrals and apply them to find areas and volumes of geometrical shapes
		MAT101	compute mass and centre of gravity of plane laminas using multiple integrals
		MAT101	perform various tests to determine whether a given series is convergent, absolutely convergent or conditionally convergent
		MAT101	determine the Taylor and Fourier series expansion of functions and learn their applications.
2	Vector Calculus, Differential equation and Transforms	MAT102	Solve the homogenious differential Equations
		MAT102	Solve the nonhomogenious differential Equations
		MAT102	Analysing the Fourier series
		MAT102	Analyse the Partial differential equations with respect to their order and linearity.
		MAT102	Evaluate one dimensional wave equations
		MAT102	Evaluate one dimensional heat equation
3	Engineering Physics A	PHT100	Apply the knowledge of harmonic oscillator and waves in circuits
		PHT100	Interpret the importance of light phenomenon in thin film and resolution
		PHT100	Analyse the usage of Polaroid and Superconductors in Electronics industry.
		PHT100	Analyse the fundamental concepts in the behavior of electrons and photons.
		PHT100	Apply the basic concept of acoustics and ultrasonics in Civil structures
		PHT100	Apply the principles of laser and fiber optics in medical and telecommunications.
4	Engineering Physics B	PHT110	Compute the quantitative aspects of waves & oscillations in engineering systems
		PHT110	Apply the interaction of light with matter through interference, diffraction and identify these phenomena in different natural optical processes and optical instruments.
		PHT110	Analyze the behaviour of matter in the atomic & subatomic level through the principles of quantum mechanics to perceive the microscopic processes in electronic devices
		PHT110	Apply the knowledge of ultrasonics in non destructive testing.
		PHT110	Use the principles of accoustics to explain the nature and characterization of acoustic design and to produce a safe and healthy environment.
		PHT110	Apply the comprehended knowledge about laser and fibre optic communication system in various engineering applications.
5	Engineering Chemistry	CYT100	Analyse the structure of compounds using IR, NMR and UV-Vis. Spectroscopic techniques
		CYT100	Evaluate the Electrode potentials of metal electrodes and gain the knowledge of Electrochemical cells and batteries.
		CYT100	Apply the use of modern instrumental techniques including thermal and chromatographic methods in Engineering materials.
		CYT100	Designing of economically appropriate nanomaterials, polymers, composites and antistatic materials for engineering purposes.
		CYT100	Understand the fundamental concepts of Fuels and lubricants.
		CYT100	Evaluate the hardness, amount of chloride ion and dissoved oxygen present in watersample and water treatments for purifications.
6	Engineering Mechanics	EST100	Recall principles and theorems related to rigid body mechanics
		EST100	Identify and describe the components of system of forces acting on the rigid body
		EST100	Apply the conditions of equilibrium to various practical problems involving different force system.
		EST100	Choose appropriate theorems, principles or formulae to solve problems of mechanics.
		EST100	Solve problems involving rigid bodies, applying the properties of distributed areas and masses
7	Engineering Graphics	EST110	Understand the theory of Orthographic Projection
		EST110	Understand the conventions and the methods of Engineering Drawing
		EST110	Understand the knowledge about the Projection of point, straight lines, solids etc.
		EST110	Understand the sections of solids and the development of different types of surfaces
		EST110	Understand about isometric and perspective projection
		EST110	Understand the features of CADD Software

		EST120	Recall the role of civil engineer in societyand to relate the various disciplines of civil engineering
		EST120	Explain different types of buildings, building components, building materials and building construction
		EST120	Discuss the importance, objectives and principles of surveying
		EST120	Summarize the basic infrastructure services like MEP, HVAC, elevators, escalators and ramps
		EST120	Discuss energy system, materials and water management and environment for green building
8	Basic of Civil Engineering	EST120	Students will have an idea about construction management with low budget
		EST120	Explain theCarnot Engine and sources of power.
		EST120	Explain the working of steam turbine,gasturbine,hydraulic turbine and IC engine.
		EST120	Understandthe working and applications of a refrigerator and air conditioner.
9	Basic of Mechanical Engineering	EST120	Understand the casting, forging, rolling, extrusion and metal joining processes.
		EST130	Illustrate with the working of different active components to demonstrate basic electronic circuits
		EST130	Design circuits using active and passive components for strengthening fundamental idea about basic electronics.
10	Basic Of Electric Engineering	EST130	Summarize the devices used in basic communication systems.
		EST130	Apply fundamental concepts and circuit laws to solve simple DC electric circuits
		EST130	Develop and solve models of magnetic circuits
		EST130	Apply the fundamental laws of electrical engineering to solve simple ac circuits in steady state
		HUT101	Define and Identify different life skills required in personal and professional life
		HUT101	Develop an awareness of the self and apply well-defined techniques to cope with emotions and stress.
		HUT101	Explain the basic mechanics of effective communication and demonstrate these through presentations.
		HUT101	Take part in group discussions.
		HUT101	Use appropriate thinking and problem solving techniques to solve new problems
12	Life Skills	HUT101	Understand the basics of teamwork and leadership
		HUT102	Develop vocabulary and language skills relevant to engineering as a profession
		HUT102	Analyze, interpret and effectively summarize a variety of textual content
		HUT102	Create effective technical presentations
		HUT102	Discuss a given technical/non-technical topic in a group setting and arrive at generalizations/consensus
		HUT102	Identify drawbacks in listening patterns and apply listening techniques for specific needs
13	Professional Communication	HUT102	Create professional and technical documents that are clear and adhering to all the necessary conventions
		EST102.1	Understand the basics of Computer Hardware &Software and fundamentals of C language
		EST102.2	Analyze a computational problem and develop an algorithm/flowchart to find its solution
		EST102.3	Develop readable* C programs with branching and looping statements, which uses Arithmetic, Logical, Relational or Bitwise operators.
		EST102.4	Write readable C programs with arrays, structure or union for storing the data to be processed and which uses string functions
		EST102.5	Divide a given computational problem into a number of modules and develop a readable multi-function C program by using recursion if required, to find the solution to the computational problem
14	Programming in C	EST102.6	Develop readable C programs which uses pointers for array processing and parameter passing, with files for reading input and storing output

Department of Basic Science Engineering			
Sl.No.	Name of the Subject	CO Code	Course Outcomes
1	Calculus	MA101.1	Evaluate the convergence and divergence of infinite series
		MA101.2	Analyse maxima and minima of functions of two variables
		MA101.3	Evaluate the derivatives and integrals of real valued and vector valued functions of several variables
		MA101.4	Evaluate the area and volume using Multiple integrals
		MA101.5	Apply the knowledge of calculus of vector valued functions in physical applications
		MA101.6	Evaluation of area and volume of two dimensional and three dimensional objects using vectors
2	Differential Equations	MA102.1	Solve the homogenious differential Equations
		MA102.2	Solve the nonhomogenious differential Equations
		MA102.3	Analysing the Fourier series
		MA102.4	Analyse the Partial differential equations with respect to their order and linearity.
		MA102.5	Evaluate one dimensional wave equations
		MA102.6	Evaluate one dimensional heat equation
3	Engineering Physics	PH100.1	Apply the knowledge of harmonic oscillator and waves in circuits
		PH100.2	Interpret the importance of light phenomenon in thin film and resolution
		PH100.3	Analyse the usage of Polaroid and Superconductors in Electronics industry.
		PH100.4	Analyse the fundamental concepts in the behavior of electrons and photons.
		PH100.5	Apply the basic concept of acoustics and ultrasonics in Civil structures
		PH100.6	Apply the principles of laser and fiber optics in medical and telecommunications.
4	Engineering Chemistry	CY 100.1	Analyse the structure of compounds using IR, NMR and UV-Vis. Spectroscopic techniques
		CY 100.2	Evaluate the Electrode potentials of metal electrodes and gain the knowledge of Electrochemical cells and batteries.
		CY 100.3	Apply the use of modern instrumental techniques including thermal and chromatographic methods in Engineering materials.
		CY 100.4	Designing of economically appropriate nanomaterials, polymers, composites and antistatic materials for engineering purposes.
		CY 100.5	Understand the fundamental concepts of Fuels and lubricants.
		CY 100.6	Evaluate the hardness, amount of chloride ion and dissoved oxygen present in watersample and water treatments for purifications.

		BE100.1	Apply and demonstrate the concepts of mechanics to practical Engineering problems.
		BE100.2	Determine the properties of planes and solids.
5	Engineering Mechanics	BE100.3	Apply fundamental concepts of dynamics to apply in practical problems.
		BE110.1	Fundamental Engineering Drawing standards
		BE110.2	Dimensioning & preparation of neat drawings and drawing sheets
		BE110.3	Interpretation of Engineering Drawings
6	Engineering Graphics	BE110.4	Features of CAD software
		BE101-03.01	Determine elementary concepts of electric circuits.
		BE101-03.02	Determine the basic concepts of magnetic circuits.
		BE101-03.03	Determine and solution of alternating current circuit.
		BE101-03.04	Determine electric circuits using basic laws.
		BE101-03.05	Differentiate single phase and three phase circuits
7	Introduction to Electrical Engineerin	BE101-03.06	Estimate three phase power using two wattmeter method.
		BE101-04.1	Apply the knowledge about passive components including resistor, capacitor, inductors and transformers used in electronics industry
		BE101-04.2	Understand the working of diodes and transistors to demonstrate basic electronic circuits.
		BE101-04.3	Designing of biasing circuits and amplifiers
		BE101-04.4	Describe the working of JFET,MOSFET,UJT and SCR.
		BE101-04.5	Explain diode circuits and power supplies.
8	Introduction to Electronics Engineer	BE101-04.6	Describe the basic construction of measuring instruments like digital multimeter, storage osciloscope and function generator used in electronic measurements
		BE101-01.1	Differentiate the types of stones, bricks and tiles.
		BE101-01.2	Differentiate stone and brick mansory.
		BE101-01.3	Understand the uses of timber and steel in building construction.
	Introduction to Civil Engineering	BE101-01.4	Differentiate flooring and roofing materials.
		BE101-02.1	Explain theCarnot Engine and sources of power.
		BE101-02.2	Explain the working of steam turbine,gasturbine,hydraulic turbine and IC engine.
		BE101-02.3	Understandthe working and applications of a refrigerator and air conditioner.
10	Introduction to Mechanical Engineer	BE101-02.4	Understand the casting, forging, rolling, extrusion and metal joining processes.
		BE103.1	Analyze the need and concept of Sustainability.
		BE103.2	Create an awareness about types of environmental pollution.

		BE103.3	Develop a broader perspective of environmental management standards.
		BE103.4	Analyze the concept of Sustainable habitat and buildings.
		BE103.5	Create awareness about energy resources.
11	Introduction to Sustainable engineer	BE103.6	Resolve environmental problems by finding relevance in urbanization, Poverty reductions and Industrialisation.
		BE101-05.1	To learn basics of digital computers
		BE101-05.2	To develop problem solving skills
12	Introduction to Computing and Prob	BE101-05.3	To learn programming and to solve problems using computers
		CS100.1	Identify appropriate C language constructs to solve problems
		CS100.2	Analyze problems, identify subtasks and implement them as functions/procedures
		CS100.3	Implement algorithms using efficient C programming techniques
13	Computer Programming	CS100.4	Explain the concept of file system for handling data storage and apply it for solving problems and sorting and searching
		CE100.1	Summarize the relevance of civil engineering in infrastructural development.
		CE100.2	Summarize principles of surveying and instruments used in levelling
		CE100.3	Differentiate building materials 1.bricks 2. cement 3. concrete.
14	Basic Civil Engineering	CE100.4	Determine functions of foundations.
		ME100.1	Understand various energy conversion systems and strokes in IC engines
		ME100.2	Explain the Vapour Compression Refrigeration System.
		ME100.3	To understand power transmission elements, and applications of various engineering materials
15	Basics of Mechanical Engineering	ME100.4	Understand various metal forming process and manufacturing processes
		EE100.01	Determine elementary concepts of electric circuits.
		EE100.02	Determine basic concepts of magnetic circuits.
		EE100.03	Analysis and solution of alternating current circuit.
		EE100.04	Differentiate power generation methods , power transmission and distribution scheme.
		EE100.05	Test the dc machines and transformer.
16	Basics of Electrical Engineering	EE100.06	Differentiate single phase and three phase induction motors.
		EC100.1	Apply the knowledge about passive components including resistor, capacitor, inductors and transformers used in electronics industry
		EC100.2	Understand the working of diodes and transistors to demonstrate basic electronic circuits.
		EC100.3	Designing of rectifiers and power supplies for strengthening fundamental ideas.

		EC100.4	Describe the basic construction of measuring instruments like digital multimeter, storage osciloscope and function generator used in electronic measurements
		EC100.5	Understand the basic concept of basic communication systems.
17	Basics of Electronics	EC100.6	Distinguish entertainment electronics technologies-cable tv,cctv and dth system.

Department of Civil Engineering			
Semester 3			
Sl.No.	Name of the Subject	CO Code	Course Outcomes
1	Mechanics of Solids	CE 201.1	Ability to calculate internal forces in members subject to axial loads, shear, torsion and bending and plot their distributions
		CE 201.2	Ability to calculate normal, shear, torsion and bending stresses and strains
		CE 201.3	Ability to transform the state of stress at a point and determine the principal and maximum shear stresses using equations as well as the mohr's circle
		CE 201.4	Understanding of column buckling and ability to calculate critical load and stress
2	Fluid Mechanics I	CE 203.1	Students will be able to get a basic knowledge of fluids in static, kinematic and dynamic equilibrium, so as to solve real life problems in fluid mechanics
		CE 203.2	Students will gain the knowledge of the applicability of physical laws in addressing problems in hydraulics
3	Engg. Geology	CE 205.1	The course would help the student to understand of the factors that determine the stability of earth's surface
		CE 205.2	The student would comprehend better the earth resources used as building materials
4	Surveying	CE 207.1	To introduce the principle of surveying
		CE 207.2	To impart awareness on the various fields of surveying and types of instruments
		CE 207.3	To understand the various methods of surveying and computations
5	Life SkillS	HS210.1	student able to Communicate effectively.
		HS210.2	student able to Make effective presentations.
		HS210.3	student able to Write different types of reports.
		HS210.4	student able to Face interview & group discussion.
		HS210.5	student able to Critically think on a particular problem
		HS210.6	student able to Solve problems.
		HS210.7	student able to Work in Group & Teams
		HS210.8	student able to Handle Engineering Ethics and Human Values.
		HS210.9	student able to Become an effective leader.
6	Linear Algebra &Complex Analysis	MA 201.1	Student able to solve any given system of linear equations
		MA 201.2	Student able to find the Eigen values of a matrix and how to diagonalize a matrix
		MA 201.3	Student able to identify analytic functions and Harmonic functions.
		MA 201.4	Student able to evaluate real definite Integrals as application of Residue Theorem
		MA 201.5	Student able to identify conformal mappings
		MA 201.6	Student able to find regions that are mapped under certain Transformations
Semester 4			
Sl.No.	Name of the Subject	CO Code	Course Outcomes

1	Structural Analysis 1	CE 202.1	analyse trusses and study displacement response of statically determinate structural systems using energy methods:
		CE 202.2	apply unit load method and strain energy method for determination of deflection of statically determinate beams, frames & pin jointed trusses
		CE 202.3	analyse statically indeterminate structures using strain energy method and method of consistent deformation
		CE 202.4	know about moving loads and influence lines
		CE 202.5	know about Statically determinate and indeterminate suspension bridges and arches
2	Construction Technology	CE 204.1	understand construction materials, their components and manufacturing process
		CE 204.2	know the properties of concrete and different mix design methods
		CE 204.3	understand the details regarding the construction of building components
		CE 204.4	analyse and apply learning of materials, structure, servicing and construction of masonry domestic buildings.
		CE 204.5	define and describe the concepts and design criteria of tall framed and load bearing buildings.
3	Fluid Mechanics II	CE 206.1	become capable of analysing open channel flows & designing open channels.
		CE 206.2	get an insight into the working of hydraulic machines.
		CE 206.3	become capable of studying advanced topics such as design of hydraulic structures.
4	Geotechnical Engg. I	CE 208.1	understand the basic principles governing soil behavior.
		CE 208.2	understand the procedure, applicability and limitations of various soil testing methods.
5	probability distributions, Transforms and Numerical Methods	MA 202.1	concepts of Discrete and continuous probability density functions and special probability distributions.
		MA 202.2	Concepts of Laplace and Fourier transforms and apply them in their Engineering branch
		MA 202.3	concepts of numerical methods and their applications in solving Engineering problems.
6	Busniess Economics	HS 200.1	make investment decisions based on capital budgeting methods in alignment with microeconomic and macroeconomic theories.
		HS 200.2	able to analyse the profitability of the firm, economy of operation, determination of price under various market situations with good grasp on the effect of trade cycles in business.
		HS 200.3	gain knowledge on Monetary theory, measures by RBI in controlling interest rate and emerging concepts like Bit Coin.
		HS 200.4	gain knowledge of elementary accounting concepts used for preparing balance sheet and interpretation of balance sheet
Semester 5			
Sl.No.	Name of the Subject	CO Code	Course Outcomes
		CE 301.1	Apply the fundamental concepts of limit state method
		CE 301.2	Use IS code of practice for the design of concrete elements
		CE 301.3	Understand the structural behavior of reinforced concrete elements in bending, shear, compression and torsion.

		CE 301.4	Design beams, slab, stairs, columns and draw the reinforcement details.
1	Design of concrete structures 1	CE 301.5	Analyze and design for deflection and crack control of reinforced concrete members.
		CE 303.1	analyse structures using force method
		CE 303.2	analyse structures using displacement method
		CE 303.3	analyse curved beams in plan
2	Structural Analysis II	CE 303.4	analyse structures using plastic theory
		CE 305.1	understand the basic concepts, theories and methods of analysis in foundation engineering;
3	Geotechnical Engg II	CE 305.2	understand the field problems related to geotechnical engineering and to take appropriate engineering decisions.
4	Geomatics	CE307.1	The students will possess knowledge on the advanced methods of surveying, the instruments and the spatial representation of data.
		CE 309.1	Describe the hydrologic cycle and estimate the different components
		CE 309.2	Determine crop water requirements for design of irrigation systems
		CE 309.3	Compute the yield of aquifers and wells
		CE 309.4	Know the features of various river training works
5	Water Resource Engineering	CE 309.5	Estimate the storage capacity of reservoirs and their useful life.
		CE 361.1	Understand the testing of concrete materials as per IS code
		CE 361.2	Know the procedure to determine the properties of fresh and hardened of concrete
		CE 361.3	Design the concrete mix using ACI and IS code methods
		CE 361.4	Select and Design special concretes depending on their specific applications
6	Advanced Concrete Technology	CE 361.5	Gain ideas on non-destructive testing of concrete
Semester 6			
Sl.No.	Name of the Subject	CO Code	Course Outcomes
		CE302.1	Perform the stability analysis of gravity dams
		CE302.2	Explain the causes of failure of different types of dams and their design criteria
1	Design of Hydraulic Structures	CE302.3	Design minor irrigation structures such as regulators, cross drainage works and canal falls
		CE 304.1	Design eccentrically loaded and slender columns using SP 16 design charts and different types of foundations
		CE 304.2	Design and detail cantilever retaining wall and understand the design principles of Counter fort retaining wall
		CE 304.3	Design and detail circular slabs and domes
		CE 304.4	Design rectangular and circular water tanks using IS code coefficients (IS 3370).
2	Design of concrete structures II	CE 304.5	Gain knowledge of prestressed concrete fundamentals and analyse pre and post tensioned beams.
3	Computer programming and computational techniques	CE 306.1	develop computer programs and implement numerical techniques for solving basic engineering problems using C++ language.

4	Transportation Engg I	CE 308.1	Design various geometric elements of a highway
		CE 308.2	Determine the characteristics of pavement materials and design flexible pavements
		CE 308.3	Conduct traffic engineering studies and analyze data for efficient management of roadway facilities, Plan and design basic airport facilities
5	Ground Improvement Techniques	CE 362.1	An understanding about types of ground improvement techniques and soil distribution in India
		CE 362.2	Knowledge about various types of grouts and their applications
		CE 362.3	Knowledge about types of chemical stabilization and their construction method
		CE 362.4	Understanding about Ground Anchors, Rock Bolts and Soil Nailing
		CE 362.5	Knowledge about Compaction of soil
		CE 362.6	Understanding about various methods of dewatering of soil
6	Principles of Management	HS300.1	manage people and organisations
		HS300.2	critically analyse and evaluate management theories and practices
		HS300.3	plan and make decisions for organisations
		HS300.4	do staffing and related HRD functions
Semester7			
Sl.No.	Name of the Subject	CO Code	Course Outcomes
1	DESIGN OF STEEL STRUCTURES	CE401.1	Design bolted and welded connections.
		CE401.2	Design tension members and beam using the IS specifications
		CE401.3	Design columns under axial loads using IS specifications.
		CE401.4	Design beams and plate girders
		CE401.5	assess loads on truss and design purlins.
		CE401.6	Design structural components using timber.
2	STRUCTURAL ANALYSIS -III	CE 403.1	Analyse structures using approximate method.
		CE 403.2	Analyse trusses,continuous beams and rigid frames using flexibility method.
		CE 403.3	Analyse trusses,continuous beams and rigid frames by stiffness method.
		CE 403.4	conceive finite element procedures by direct stiffness method.
		CE 403.5	Use the basics of structural dynamics and analyse the response of SDOF system
3	ENVIRONMENTAL ENGINEERING-I	CE 405.1	became aware of the various pollutants affecting water quality
		CE 405.2	knows about the different treatment units available in a water treatment plant and their design procedures.
4	TRANSPORTATION ENGINEERING	CE407.1	This coursewill enable students to gain knowledge in railway and water transportation.
5	QUANTITY SURVEYING AND VALUATION	CE409.1	work out the quantities of materials and labour required for different types of civil works
		CE409.2	prepare schedule of rates for various items of work
		CE465.1	Deals with geo environmental engineering problems
		CE465.2	Utilize waste in geo technical engineering application
		CE465.3	Design landfill

6	GEO-ENVIRONMENTAL ENGINEERING	CE465.4	Manage leachate and landfill gas
		CE465.5	Do investigation on contaminated site and soil remediation.
		CE465.6	Assess variation in engineering properties of soil due to change in environment
7	HIGHWAY PAVEMENT DESIGN	CE467.1	Identify the pavement components and design bituminous mixes
		CE467.2	Analyse and design flexible and rigid pavements
		CE467.3	Evaluvate structural condition of pavem.ent
8	ENVIRONMENTAL IMPACT ASSESSMENT	CE469.1	The students will gain basic knowledge of various pollution sources and their impacts
Semester8			
Sl.No.	Name of the Subject	CO Code	Course Outcomes
1	ENVIRONMENTAL ENGINEERING II	CE402.1	have an understanding of the various types of treatment methods for wastewater
		CE402.2	know the design aspects of various treatment units in a wastewater treatment plant.
2	CIVIL ENGINEERING PROJECT MANAGEMENT	CE404.1	Plan and schedule a construction project
		CE404.2	Select an appropriate construction equipment for a specific job
		CE404.3	Familiarise the legal procedures in construction contracts
		CE404.4	Formulate suitable quality management plan for construction
		CE404.5	Familiarise the safety practices and procedures
		CE404.6	Apply principles of ethics in decision making
3	TOWN AND COUNTRY PLANNING	CE462.1	Identify and develop the various components of planning at neighborhood, city, regional and national levels
		CE462.2	Familiarize with spatial standards of facilities and prepare base maps for urban development
4	MUNICIPAL SOLID WASTE	CE474.1	Students will have an awareness of the ill effects of increasing solid wastes
		CE474.2	Students will be able to understand the various methods available for managing solid wastes generated
5	ENERGY CONSERVATION AND MANAGEMENT	ME482.1	carryout energy accounting and balancing
		ME482.2	suggest methodologies for energy savings

Department of Computer science Engineering			
Semester 3			
Sl.No.	Name of the Subject	CO Code	Course Outcomes
1	LINEAR ALGEBRA AND COMPLEX ANALYSIS	MA201.1	Describe analytic functions and Harmonic functions
		MA201.2	Explain conformal mapping and find regions that are mapped under certain transformations.
		MA201.3	Evaluate real life definite integrals as application of residue theorem.
		MA201.4	Solve any given system of linear equations.
		MA201.5	Evaluate the Eigen values of a matrix and how to diagonalize a matrix.
		MA201.6	Understand power series as a Taylor series.
2	DISCRETE COMPUTATIONAL STRUCTURES	CS201.1	Identify and apply operations on discrete structures such as sets , relations and functions in different areas of computing.
		CS201.2	Solve problems in different domains using counting techniques and recurrence relations
		CS201.3	Solve problems using algebraic structures.
		CS201.4	Introduce the concepts of Lattice and Boolean Algebra in different areas
		CS201.5	Verify the validity of an argument using propositional and predicate logic and proof techniques.
3	Switching Theory and Logic Design	CS203.1	To impart an understanding of the basic concepts of Boolean algebra and digital systems.
		CS203.2	To impart familiarity with the design and implementation of different types practically used sequential circuits.
		CS203.3	To provide an introduction to use hardware description language.
4	Data Structures	CS205.1	Compare different programming methodologies and define asymptotic notations to analyze performance of algorithms.
		CS205.2	Use appropriate data structures like arrays, linked list, stacks and queues to solve real world problems efficiently.
		CS205.3	Represent and manipulate data using nonlinear data structures like trees and graphs to design algorithms for various applications.
		CS205.4	Illustrate and compare various sorting and searching techniques including hashing.
		CS205.5	Appreciate different memory management techniques and their significance.
		CS207.1	Memorize wave shaping and clamping circuits using diodes
		CS207.2	Understand protection techniques using transistors and IC 723
		CS207.3	Understand the working of of amplifiers using transistors and MOSFET

		CS207.4	Analyze RC and IC oscillators
		CS207.5	Understand the application of analog IC.
5	Electronic Devices & Circuits	CS207.6	Summarize the applications of operational amplifiers.
		HS210.1	Understand the basics of effective communication
		HS210.2	Understand the basics of effective presentation
		HS210.3	Understand the skills for report writing, interviews and group discussion.
		HS210.4	Understand how to handle critital situations
		HS210.5	Understand how to work in groups and teams to become an effective leader
6	LIFESKILLS	HS210.6	Create an awaareness amoung students on Engineering Ethics & Human values.
Semester 4			
Sl.No.	Name of the Subject	CO Code	Course Outcomes
		MA202.1	Understand discrete probability distribution fuctions and special discrete probability distributions
		MA202.2	Understand continuous probability density functions and special continuous probability distributions.
		MA202.3	Understand the concept of joint pribability distributions
		MA202.4	Understand the concept of autocorrelation and power spectral density for random signals
	PROBABILITY DISTRIBUTIONS,TRANSFORMS	MA202.5	Understand poisson process and markov chains.
1	AND NUMERICAL METHODS	MA202.6	Recognize the application of numerical methods in linear algebra and calculus.
		CS202.1	Able to identify the basic structure and functional units of a digital computer
		CS202.2	Analyze effect of addressing modes on the execution time of a program and design processing unit using the concepts of ALU and control logic design
		CS202.3	Identify the pros and cons of different types of control logic design in processsors.
		CS202.4	Identify the pros and cons of different types of control logic design in processsors.
2	Computer Organization and Architecture	CS202.5	Identify the roles of various functional units of a computer in instruction execution.
		CS204.1	Helps to identify the significance of operating system in computing devices and provide communication between application programs and hardware devices through system calls.
		CS204.2	Compare and illustrate various process scheduling algorithms.
		CS204.3	Apply appropriate memory and file managemnet scheme.

		CS204.4	Illustrate various disk scheduling algorithms.
3	Operating Systems	CS204.5	Appreciate the need of access control and protection in an operating system.
		CS206.1	Apply object oriented principles in software design process
		CS206.2	Understand and apply various features like inheritance, data abstraction, polymorphism, exception handling and real applications using java constructs and libraries.
		CS206.3	Understand the concepts of threads, stream classes and strings
4	Object Oriented Design and Programming	CS206.4	Use graphical user interface and event handling, develop and deploy applet in java
		CS208.1	Illustrate the fundamental concepts of database.
		CS208.2	Construct an ER model from specifications and to perform the transformation of the conceptual model into corresponding logical data structures.
		CS208.3	Design a relational data model and perform various operations.
		CS208.4	Develop queries for relational database following the design principles.
5	Principles of Database Design	CS208.5	Illustrate fundamental principles of data organization , query optimization and concurrent transaction processing and appreciate latest trends in databases.
		HS200.1	Generate critical thinking skills in business situations
		HS200.2	Analyze supply and demand analysis to relevant economic issues.
		HS200.3	Organize investment decisions based on capital budgeting methods in alignment with microeconomic and macroeconomic theories.
		HS200.4	analyse the profitability of the firm, economy of operation, determination of price under market situations.
		HS200.5	Excute various business tools , cost benefit analysis and rate of returns at an elementary level
6	BUSINESS ECONOMICS	HS200.6	Analyze causes and consequences of inflation and economic growth
Semester 5			
Sl.No.	Name of the Subject	CO Code	Course Outcomes
		CS301.1	Classify formal languages into regular, context-free, context sensitive and unrestricted languages.
		CS301.2	Design finite state automata, regular grammar, regular expression and Myhill-Nerode relation representations for regular languages
		CS301.3	Design push-down automata and context-free grammar representations for context-free languages.
		CS301.4	Design Turing Machines for accepting recursively enumerable languages

		CS301.5	Understand the notions of decidability and undecidability of problems, Halting problem.
1	THEORY OF COMPUTATION	CS301.6	Identify the different computability problems
		CS303.1	Distinguish different software into different categories
		CS303.2	Analyze one pass ,two pass assembler
		CS303.3	Design and implement one pass, two pass or multi pass assembler.
		CS303.4	Design, analyze and implement loader and linker.
		CS303.5	Design, analyze and implement macro processors.
2	SYSTEM SOFTWARE	CS303.6	Critique the features of modern editing /debugging tools.
		CS305.1	Understand modes of operation of a typical microprocessor and microcontroller
		CS305.2	Design and develop 8086 assembly Language programs using software interrupts and various assembler directives.
		CS305.3	Understand about the interrupts and types of interrupts
		CS305.4	Understand the concepts of interface with microprocessor and peripherals devices.
	MICROPROCESSOR AND	CS305.5	Analyze and compare the features of microprocessors and microcontrollers
3	MICROCONTROLLERS	CS305.6	Design and develop assembly language program using 8051 microcontrollers.
		CS307.1	Understand the concept of a data communication system and a transmission media
		CS307.2	Analyze and select transmission media based on transmission impairments and channel capacity.
		CS307.3	Understand the signal encoding techniques and their features
		CS307.4	Understand appropriate multiplexing techniques for a communication system.
		CS307.5	Understand the concept of error detection and error correction algorithm to achieve error free data communication.
4	DATA COMMUNICATION	CS307.6	Understand the concept of DSSS, FHSS and switching.
		CS309.1	Demonstrate the knowledge of fundamental concepts in graph theory, including properties and characterization of graphs and trees.
		CS309.2	Prove theorems in graph theory(subgraphs, Isomorphism, vertex degree, connected graph, disconnected graphs,Walk, Hamiltonian path and circute, tress)
		CS309.3	Use graphs for solving real life problems.
		CS309.4	Distinguish between planar and non-planar graphs and solve problems.
		CS309.5	Demonstrate how the graphs can be represented as different types of Matrixec and solve problems

5	GRAPH THEORY AND COMBINATORICS	CS309.6	Develop efficient algorithms for graph related problems in different domains of engineering and science.
6	SOFT COMPUTING	CS361.1	Learn about soft computing techniques and their applications
		CS361.2	Analyze various neural network architectures
		CS361.3	Define the fuzzy systems.
		CS361.4	Undestand fuzzy membership function and fuzzylogic
		CS361.5	Understand the genetic algorithm concepts and their applications.
		CS361.6	Identify and select a suitable Soft Computing technology to solve the problem; construct a solution and implement a Soft Computing solution
Semester 6			
Sl.No.	Name of the Subject	CO Code	Course Outcomes
1	Principles of Management	HS300.1	Determine how to manage people and organizations
		HS300.2	Analyse management theories and practices.
		HS300.3	Plan decisions for organizations.
		HS300.4	Determine staffing and related HRD functions
		HS300.5	Generate their own innovative management competencies, required for today's complex and global workplace
		HS300.6	Understand ethical theories and social responsibility ideologies to create sustainable organizations
2	Design and Analysis of Algorithms	CS302.1	To introduce the concepts of algorithm analysis, time complexity and space complexity
		CS302.2	To discuss the various techniques related to red-black trees, B-Trees, AVL trees
		CS302.3	To discuss various algorithm design strategies with proper illustrative examples
3	Compiler Design	CS304.1	Understand the concept of different phases of Compilation, and Lexical Analysis Phase in detail.
		CS304.2	Analyze top down and bottom up parsers, and develop appropriate parser to produce parse tree representation of the input.
		CS304.3	Understand the syntax directed translation schemes and intermediate code generation methods.
		CS304.4	Apply optimization techniques to intermediate code and generate machine code for high level language program
		CS306.1	To Visualize the different aspects of network, protocol and network design
		CS306.2	To Examine various Data Link Layer issues and Data Link Protocols.

		CS306.3	To Analyse and compare different LAN protocols.
		CS306.4	To Compare and select appropriate routing algorithm for a network.
4	Computer Networks	CS306.5	To Examine the important aspects and functions of network layer, transport layer and application layer in inter-networking.
		CS308.1	Able to identify the suitable life cycle models to be used.
		CS308.2	Analyze the problem and helps to define the computing requirements for that problem.
		CS308.3	Translate a Requirement specification to a design using software engineering methodologies.
5	Software Engineering and Project Management	CS308.4	Formulate appropriate testing strategy for the given software system.
		CS368.1	To impart the design, development and implementation of dynamic web pages , know about CGI ,CMS and develop web pages using HTML.
		CS368.2	To develop websites for user interactions using java script, present documents using style sheets.
6	Web Technologies	CS368.3	To give an introduction to data interchange formats in web like XML and develop web applications using PHP.
Semester 7			
Sl.No.	Name of the Subject	CO Code	Course Outcomes
		CS401.01	compare various graphics devices
		CS401.02	analyze and implement algorithms for line drawing, circle drawing and polygon filling
		CS401.03	apply geometrical transformation on 2D and 3D objects
		CS401.04	analyze and implement algorithms for clipping
		CS401.05	apply various projection techniques on 3D objects
1	Computer Graphics	CS401.06	summarize visible surface detection methods
		CS403.01	compare scope and binding of names in different programming languages
		CS403.02	analyze control flow structures in different programming languages
		CS403.03	appraise data types in different programming languages
		CS403.04	analyze different control abstraction mechanisms
		CS403.05	analyze object oriented constructs in different programming languages
2	Programming Paradigms	CS403.06	compare different concurrency constructs
		CS405.01	Summarize different parallel computer models
		CS405.02	Analyze the advanced processor technologies
		CS405.03	Compare different multiprocessor system interconnecting mechanisms

3	Computer System Architecture	CS405.04	Analyze different message passing mechanisms
		CS405.05	Analyze different pipe lining techniques
		CS405.06	Appraise concepts of multithreaded and data flow architectures
4	Distributed Computing	CS407.01	distinguish distributed computing paradigm from other computing paradigms
		CS407.02	identify the core concepts of distributed systems
		CS407.03	illustrate the mechanisms of inter process communication in distributed system
		CS407.04	apply appropriate distributed system principles in ensuring transparency, consistency and fault-tolerance in distributed file system
		CS407.05	compare the concurrency control mechanisms in distributed transactional environment
		CS407.06	outline the need for mutual exclusion and election algorithm in distributed systems
5	Cryptography and Network Security	CS409.01	summarize different classical encryption techniques
		CS409.02	identify mathematical concepts for different cryptographic algorithms
		CS409.03	demonstrate cryptographic algorithms for encryption/key exchange
		CS409.04	summarize different authentication and digital signature schemes
		CS409.05	identify security issues in network, transport and application layers and outline appropriate security protocols
		CS409.06	To introduce network security and web security protocols.
6	Bioinformatics	CS465.01	interpret the concepts of bioinformatics
		CS465.01	identify different types of biological sequence
		CS465.01	analyse multiple sequences and find conserved regions
		CS465.01	predict RNA and Protein secondary structures
		CS465.01	analyse genomic sequences and identify encoded gene regions
		CS465.01	Explain how protein folding takes place
Semester 8			
Sl.No.	Name of the Subject	CO Code	Course Outcomes
1	Data Mining and Ware Housing	CS402.01	To introduce the concepts of data Mining and its applications
		CS402.02	To understand investigation ofe data using practical data mining tools
		CS402.03	To introduce Association Rules Mining
		CS402.04	To introduce advanced Data Mining techniques
2	Embedded Systems	CS404.01	To introduce the technologies behind embedded computing systems.
		CS404.02	To introduce and discuss various software components involved in embedded system design and development.
		CS404.03	To expose students to the recent trends in embedded system design.

3	Principles of Information Security	CS472.01	To introduce fundamental concepts of security.
		CS472.02	To introduce and discuss the relevance of security in operating system, web services
		CS472.03	To introduce fundamental concepts of secure electronic transactions.
4	RESPONSIBLE ENGINEERING	FS482.01	To enable the students to create an awareness on responsibilities and Human Values, to instill Moral and Social Values and Loyalty and to appreciate the rights of others.

Department of Electronics & Communication			
Semester 3			
Sl No.	Subject	CO code	Course Outcomes
1	Linear Algebra and Complex Analy:	MA 201.1	Unerstand the concept and apply the solution of partial differential equations
		MA 201.2	Analyse and solve one dimensional wave equation
		MA 201.3	Analyse and solve one dimensional heat equation
		MA 201.4	Apply the complex functions,its continuity ,differentiability using C-R equations
		MA 201.5	Evaluate complex integrals using Cauchy's integral theorem and Cauchy's integral formula ,understand the series expansion of analytic functions
		MA 201.6	Understand the series expansion of complex function about a singularity and apply residue theorem to compute several kinds of real integers
2	Network Theory	EC 201.1	Analyze the electrical circuits using basic laws and graph theory
		EC 201.2	Analyze basic electrical circuits using fundamental theorems, Laplace Transform and its properties
		EC 201.3	Apply Laplace transform in the transient response of electric circuits.
		EC 201.4	Implement network functions, time response and impulse response for single port and two port networks
		EC 201.5	Evaluate the parameters of two port network and the inter relationship between them
		EC 201.6	Analyze series and parallel resonance circuits and single tuned and double tuned circuits
3	Solid State Devices	EC 203.1	Apply the concepts in semiconductor physics
		EC 203.2	Apply generation and recombination process in semiconductor.
		EC 203.3	Evaluate minority carrier distribution and ideal diode equation.
		EC 203.4	Analyze electrical breakdown in PN junction and metal semiconductor contact.
		EC 203.5	Analyze energy band diagram of PN junction diode, BJTs, metal semiconductor junction and MOS capacitor.
		EC 203.6	Analyze the structure and operation of MOSFET and FinFET
4	Electronic Circuits	EC 205.1	To develop the skill of analysis and design of various analog circuits using discrete electronic devices as per the specifications
		EC 205.2	To design and analyse filters and know about how to fix Q-points
		EC 205.3	Detail analysis using internal circuit diagram during high frequency & low frequency signal
		EC 205.4	Study about the different oscillators, amplifiers, switching circuits & regulators
		EC 205.5	Analysis of MOSFET amplifiers
		EC 207.1	Implement Number Systems
		EC 207.2	Apply Boolean algebra in Logic circuit design
		EC 207.3	Design Combinational Logic Circuits

		EC 207.4	Design Sequential Logic Circuits
		EC 207.5	Design state machines
5	Logic Circuit Design	EC 207.6	Construct state diagram and implication chart
		HS 200.1	Generate critical thinking skills in business situations
		HS 200.2	Analyze supply and demand analysis to relevant economic issues.
		HS 200.3	Organize investment decisions based on capital budgeting methods in alignment with microeconomic and macroeconomic theories.
		HS 200.4	analyse the profitability of the firm, economy of operation, determination of price under market situations.
		HS 200.5	Excute various business tools , cost benefit analysis and rate of returns at an elementary level
6	Bussiness Economics	HS 200.6	Analyze causes and consequences of inflation and economic growth
Semester 4			
Sl.No.	Name of the Subject	CO Code	Course Outcomes
		MA 202.1	Understand discrete probability distribution fuctions and special discrete probability distributions
		MA 202.2	Understand continuous probability density functions and special continuous probability distributions.
		MA 202.3	Understand the concept of joint pribability distributions
		MA 202.4	Understand the concept of autocorrelation and power spectral density for random signals
		MA 202.5	Understand poisson process and markov chains.
1	Probability Distributions, Random F	MA 202.6	Recognize the application of numerical methods in linear algebra and calculus.
		EC 202.1	Analyze the concepts of signals and system
		EC 202.2	Implement the properties of CT & DT system
		EC 202.3	Administer frequency domain represenation of continuous time signals.
		EC 202.4	Analyse LTI systems using Laplace and fourier transforms.
		EC 202.5	Administer frequency domain representation of discrete time signals.
2	Signals and Systems	EC 202.6	Analysis of discrete time LTI systems using Z transforms and DTFT
		EC 204.1	EC 204.1 To have a thorough understanding of operational amplifiers
		EC 204.2	EC 204.2: To design circuits using operational amplifiers for various applications
		EC 204.3	EC 204.3: To have a thorough knowledge of protecting techniques using op-amp.
3	Analog Intergrated Circuits	EC 204.4	EC 204.4: To design various converter modules.
		EC 206.1	Understand the aspects in processor design
		EC 206.2	Analyze performance issues in processing and memory design of digital computer
		EC 206.3	Understand programming concepts

		EC 206.4	Describe I/O accessing techniques and memory structures
		EC 206.5	Analyse RIJ-MIPS instruction formats
4	Computer Organisation	EC 206.6	Analyze addressing modes of MIPS.
		EC 208.1	Analyze the elements of communication system
		EC 208.2	Apply the concepts of amplitude modulation
		EC 208.3	Classify radio transmitters and receivers
		EC 208.4	Analyze the single side band and double side band modulation techniques
		EC 208.5	Understand the basic knowledge on public telephone systems
5	Analog Communication Engineerin	EC 208.6	Analyze the effects of noise in analog communication systems
		HS 210.1	Understand the basics of effective communication
		HS 210.2	Understand the basics of effective presentation
		HS 210.3	Understand the skills for report writing, interviews and group discussion.
		HS 210.4	Understand how to handle critital situations
		HS 210.5	Understand how to work in groups and teams to become an effective leader
6	Life Skills	HS 210.6	Create an awaareness amoung students on Engineering Ethics & Human values.
Semester 5			
Sl.No.	Name of the Subject	CO Code	Course Outcomes
		EC 301.1	Analyze Linear Filtering methods based on the DFT
		EC 301.2	Generate the filter coefficient of FFT
		EC 301.3	Design digital filters using window and frequency sampling methods
		EC 301.4	Analyze multirate signal processing
		EC 301.5	Analyze DSP Processor architecture
1	Digital Signal Processing	EC 301.6	Analyze Finite word length effects in DSP systems
		EC 303.1	Summarise the basic mathematical concepts related to EM vector fields
		EC 303.2	List the applications of EM fields, Maxwell's equation and poynting theorem
		EC 303.3	Describe the propagation of signal through transmission line, Smith Chart
		EC 303.4	Recognise the modes of propagation in waveguides
		EC 303.5	Calculate attenuation, impedance and wavelength of waveguides
2	Applied Electromagnetic Theory	EC 303.6	Define Capacitance and Inductance of 2 wire transmission line and coaxial cable
		EC 305.1	Apply the fundamental operating concepts of microprocessor and microcontroller
		EC 305.2	Write simple programs in assembly language
		EC 305.3	Draw the timing diagram for microprocessor based instructions
		EC 305.4	Apply addressing modes and instruction sets of 8051
		EC 305.5	Analyse the working of timers and interrupts

3	Microprocessor and Microcontroller	EC 305.6	Design an algorithm for peripheral interfacing
		EC 307.1	Apply the concept of power electronics.
		EC 307.2	Analyze converters, regulators along with their working methods & equations
		EC 307.3	Analyze the types of inverters and their modulation schemes
		EC 307.4	Analyze the concept of general purpose instruments
		EC 307.5	Analyze the principle of operation of transducers
4	Power Electronics and Instrumentat	EC 307.6	Analyze the principle of synthesizers, oscilloscopes
		EC 365.1	Analyse the origin of bio electric potential and their measurements.
		EC 365.2	Determine the necessity of equipment for diagnosis and therapy
		EC 365.3	Analyse the nervous system and respiratory system
		EC 365.4	Apply electronics engineering in medical field
		EC 365.5	Apply Telemetry in patient care
5	Biomedical Engineering	EC 365.6	Differentiate the patient safty methods
		HS 210.1	Determine how to manage people and organizations
		HS 210.2	Analyse management theories and practices.
		HS 210.3	Plan decisions for organizations.
		HS 210.4	Determine staffing and related HRD functions
		HS 210.5	Generate their own innovative management competencies, required for today's complex and global workplace
6	Principles of Management	HS 210.6	Understand ethical theories and social responsibility ideologies to create sustainable organizations
		EC 333.1	Generate continous and discrete waveforms
		EC 333.2	Evaluate linear convolution,circular convolution and linear convolution using circular convolution
		EC 333.3	Generate AM ,FM and PWM waveforms and their spectrum
		EC 333.4	Implement DFT,DIF,FFT and IFFT
		EC 333.5	Design FIR and IIR filters
7	Digital Signal Processing Lab	EC 333.6	Check sampling theorem
Semester 6			
Sl.No.	Name of the Subject	CO Code	Course Outcomes
		EC 302.1	To illustrate the digital reprentation of analog source and compare the performance of various digital pulse modulation schemes
		EC 302.2	To apply the knowledge of ISI problems in Digital communication to derive Nyquist criteria for zero ISI
		EC 302.3	To construct the signal space representation of signal using Gram Schmidt orthonormalization procedure

		EC 302.4	To compare the error probability for different digital modulation schemes like BPSK, BFSK, QPSK etc.
1	Digital Communication	EC 302.5	To describe the principle of spread spectrum communication and to illustrate the concept of FHSS and DSSS and understand various diversity techniques
		EC 304.1	Apply component fabrication techniques
		EC 304.2	Analyze the working of CMOS inverter
		EC 304.3	Design logic circuits using basic design rules
		EC 304.4	Implement logic circuits using MOSFETs
		EC 304.5	Design Memory Elements and Combinational circuits
2	VLSI	EC 304.6	Design combinational circuits in MOSFET logic.
		EC 306.1	Analyse the basic working of antennas
		EC 306.2	Compose RF antennas, arrays and radiation patterns of antennas
		EC 306.3	Determine the antenna parameters measurements technique
		EC 306.4	Design the antennas for RF communication
		EC 306.5	Analyse the propagation of radio waves in the atmosphere
3	Antenna and Wave Propagation	EC 306.6	Analyse the VHF, UHF, Mobile radio propagation
		EC 308.1	Apply the concept of embedded systems
		EC 308.2	Create program for an embedded system
		EC 308.3	Design an embedded system
		EC 308.4	Test an embedded system
		EC 308.5	Analyse Inter Process Communication and Synchronization.
4	Embedded Systems	EC 308.6	Apply the concepts of RTOS for embedded system
		EC 312.1	Describe the features of OOP and structure of C++ program.
		EC 312.2	Understand polymorphism and inheritance of C++
		EC 312.3	Understand templates, abstract classes and virtual functions.
		EC 312.4	Differentiate the features multithreading, packages and error management in Java.
		EC 312.5	Design android application.
5	Object Oriented Programming	EC 312.6	Test mobile applications
		EC 370.1	Analyze the mathematical transforms necessary for image transformation.
		EC 370.2	Apply image enhancement techniques.
		EC 370.3	Apply image compression techniques
		EC 370.4	Apply image segmentation techniques
6	Digital Image Processing	EC 370.5	Analyze image reconstruction and representation.
Semester 7			
Sl.No.	Name of the Subject	CO Code	Course Outcomes

1	Information Theory & Coding	EC401.01	To introduce the concept of information. To understand the limits of error free representation of information signals and the transmission of such signals over a noisy channel
		EC401.02	To design and analyze data compression techniques with varying efficiencies as per requirements
		EC401.03	To understand the concept of various theorems proposed by Shannon for efficient data compression and reliable transmission
		EC401.04	To give idea on different coding techniques for reliable data transmission & design an optimum decoder for various coding schemes used.
2	Microwave & Radar Engg	EC403.01	To introduce the various microwave sources, their principle of operation and measurement of various parameters
		EC403.02	To study the various microwave hybrid circuits and formulate their S matrices.
		EC403.03	To understand the basic concepts, types, working of radar and introduce to radar transmitters and receivers.
3	Optical Communication	EC405.01	To introduce the concepts of light transmission through optical fibers, optical sources and detectors.
		EC405.02	To compare the performance of various optical transmission schemes.
		EC405.03	To impart the working of optical components and the principle of operation of optical amplifiers.
		EC405.04	To give idea on WDM technique.
4	Computer Communication	EC407.01	To give the basic concepts of computer network and working of layers, protocols and interfaces in a computer network.
		EC407.02	To introduce the fundamental techniques used in implementing secure network communications and give them an understanding of common threats and its defences.
5	Control Systems	EC409.01	To introduce the elements of control system and its modelling
		EC409.02	To introduce methods for analyzing the time response, the frequency response and the stability of systems.
		EC409.03	To design control systems with compensating techniques.
		EC409.04	To introduce the state variable analysis method.
6	MEMS	EC465.01	To understand the operation of major classes of MEMS devices/systems
		EC465.02	To give the fundamentals of standard micro fabrication techniques and processes
		EC465.03	To understand the unique demands, environments and applications of MEMS devices
Semester 8			
Sl.No.	Name of the Subject	CO Code	Course Outcomes
1	Nano electronics	EC402.01	To introduce the concepts of nanoelectronics.

2	Advanced Communication Systems	EC404.01	To impart the basic concepts of various communication system.
3	Computer Vision	EC474.01	To review image processing techniques for computer vision
		EC474.02	To understand shape and region analysis
		EC474.03	To understand three-dimensional image analysis techniques and motion analysis
		EC474.04	To study some applications of computer vision algorithms
		EC474.05	To introduce methods and concepts which will enable the student to implement computer vision systems with emphasis on applications and problem solving
4	Total quality Management	IE488.01	To impart knowledge on principles and practices of TQM to achieve quality.
		IE488.02	To enable use of TQM tools for continuous quality improvement.
		IE488.03	To provide ideas on implementation of quality standards.
		IE488.04	To introduce the latest TQM tools and techniques.

Department of Electrical & Electronics Engineering			
Semester 3			
Sl.No.	Name of the Subject	CO Code	Course Outcomes
1	CIRCUITS AND NETWORKS	EE201.01	Analyze basic electrical circuits using network theorems
		EE201.02	Analyze electrical circuits using graph theory and formulating network equations based on KVL and KCL in topological form.
		EE201.03	Analyze the steady state and transient response of electric circuits
		EE201.04	Apply Laplace transform in the transient response of electric circuits and the mesh and nodal analysis of coupled circuits
		EE201.05	Evaluate the parameters of two port network and the inter relationship between them
		EE201.06	Analyze network functions of one port network with two kinds of elements
2	ANALOG ELECTRONIC CIRCUITS	EE203.01	Determine the fundamentals of analog integrated circuits and about semiconductor devices.
		EE203.02	Analyze equivalent circuits of amplifiers under different frequencies
		EE203.03	Design multistage amplifiers and power amplifiers
		EE203.04	Create analytical capability to analyse feedback in amplifiers
		EE203.05	Differentiate 555 timer, Opamps & their applications
		EE203.06	Evaluate the necessary criteria for an oscillator and analyze performance
3	DC MACHINES AND TRANSFORMERS	EE205.01	Differentiate dc generator types according to their applications
		EE205.02	Determine the working principle of dc motor
		EE205.03	Analyze the performance of Single phase transformer
		EE205.04	analyze the performance of different motors
		EE205.05	Detect the principle of operation and performance of three phase transformers
		EE205.06	Differentiate machines according to various applications
4	COMPUTER PROGRAMMING	EE207.01	Develop algorithams and structure of C program.
		EE207.02	create C program by using if, while,, for and break
		EE207.03	Apply the concepts of array and strings in C
		EE207.04	Analyze the problems and implemet them as functions.
		EE207.05	Develop programs by using structure, union, and pointers
		EE207.06	Develop simple programs using phython.
5	BUSINESS ECONOMICS	HS200.01	Generate critical thinking skills in business situations
		HS200.02	Analyze supply and demand analysis to relevant economic issues.
		HS200.03	Organize investment decisions based on capital budgeting methods in alignment with microeconomic and macroeconomic theories.
		HS200.04	analyse the profitability of the firm, economy of operation, determination of price under market situations.
		HS200.05	Excute business tools , cost benefit analysis and rate of returns at an elementary level
	LINEAR ALGEBRA AND	MA201.01	Differentiate analytic functions and Harmonic functions.
		MA201.02	Test conformal mapping and find regions that are mapped under certain transformations.
		MA201.03	Check real life definite integrals as application of residue theorem.
		MA201.04	Solve any given system of linear equations.
		MA201.05	Compute the Eigen values of a matrix and how to diagonalize a matrix.

6	LINEAR ALGEBRA AND COMPLEX ANALYSIS	MA201.06	Test power series as a Taylor series.
Semester 4			
Sl.No.	Name of the Subject	CO Code	Course Outcomes
1	SYNCHRONOUS AND INDUCTION MACHINES	EE202.01	Determine alternator types for various industrial applications
		EE202.02	Detect the principle of operation of alternators, its voltage regulation and analyze the performance of alternators for different applications.
		EE202.03	analyze the performance of synchronous motors and applications
		EE202.04	Determine the principle of operation and performance of 3 phase Induction Motors
		EE202.05	Diffrentiate the performance of 3 phase Induction Motors
		EE202.06	Determine the principle and operation of 1-phase Induction Motors and Induction Generators
2	DIGITAL ELECTRONICS & LOGIC DESIGN	EE204.01	Diffrentiate and number systems, weighted & un-weighted codes, Boolean algebraic calculations
		EE204.02	Create combinational & sequential circuits.
		EE204.03	Design Synchronous counters
		EE204.04	Determine programmable devices
		EE204.05	Implement of various logic circuits using VHDL with knowledge of the same
		EE204.06	Implement Multiplexers and Demultiplexers in telecommunication field
3	Material Science	EE 206 .01	: Differentiate the properties and characteristics an behavior of conductors, semiconductors and dielectrics and insulators.
		EE 206 .02	Analysis of bearkdowns in solids, liquids and gas
		EE 206 .03	Differentiate solar energy materials and superconducting materials and magnetic materials used in electrical machines and instruments
		EE 206 .04	Apply optical microscopy , electron spectroscopy photoelectron microscopy ,atomic absorption spectroscopy for material studies.
4	MEASURMENTS AND INSTRUMENTATION	EE204.01	Determine the fundamental operating principles of measurements of physical variables to electrical engineering
		EE204.02	Differentiate type of measuring instruments their characteristics and functions.
		EE204.03	Identify different measurement methods applied to physical variables
		EE204.04	Analyse the bridge methods applied ac and dc measurements, select suitable methods for specific applications
		EE204.05	Apply oscilloscope for test and measurement applications.
		EE204.06	Identify and classify transducers for physical variables and describe their operating principles
5	LIFE SKILLS	HS210.01	Detect interactions and connections between people place and environment.
		HS210.02	Check perspective of people and organization on a range of geographical issues.
		HS210.03	Determine management of laces and environment.
		HS210.04	Detect difference in human welbeings
		HS210.05	Check changes of ethics .
		HS210.06	Determine human values
	PROBABILITY DISTRIBUTIONS, TRANSFORMS AND	MA 202.01	Differentiate discrete and continuous probability density functions and special probability distributions
		MA 202.02	Excute Laplace transforms
		MA 202.03	Excute Fourier transforms and their applications in engineering branch.
		MA 202.04	Excute Numerical methods
		MA 202.05	Explain Numerical methods applications in solving engineering problems.

6	TRANSFORMS AND NUMERICAL METHODS	MA 202.06	Explain Laplace transforms applications in engineering branch.
Semester 5			
Sl.No.	Name of the Subject	CO Code	Course Outcomes
1	POWER GENEARTION, TRANSMISSION & PROTECTION	EE301.01	Describe the general layout of power generation and transmission network
		EE301.02	Model individual power system components like transmission lines and generators
		EE301.03	Analyze economics of power generation systems and economic dispatch
		EE301.04	Design electrical and mechanical parameters of power system
		EE301.05	Analyze different types of distribution systems, power quality issues and power conservation measures
		EE301.06	Discuss and design various protection schemes
2	LINEAR CONTROL SYSTEMS	EE303.01	To explain the various practices of modelling physical systems.
		EE303.02	To differentiate between various control system components and will be able to explain the time domain specifications.
		EE303.03	To develop basic knowledge in error and stability analysis
		EE303.04	Compare and analyse the stability of the systems - thereby having a more realistic approach towards the design of Control systems
		EE303.05	To classify and understand the various frequency domain analysis technique in control systems.
		EE303.06	Analyze linear systems for steady state errors, absolute stability and relative stability.
3	POWER ELECTRONICS	EE305.01	Study about different types of power semiconductor devices and their switching characteristics and to Choose the appropriate power semiconductor switches for a power electronic circuit.
		EE305.02	Analyze and design the protection circuit of various power semiconductor switches.
		EE305.03	Analyze and design different types of power electronic converters
		EE305.04	Design and choose DualConverter and Inverters suitable for an application
		EE305.05	Illustrate and explain the Choppers and Switching Regulators.
		EE305.06	Select proper power electronic converter for an application.
4	SIGNALS AND SYSTEMS	EE307.01	Perform design verification/validation of simple first order and second order continuous-time linear systems in various domains by analytical as well as experimental methods
		EE307.02	Carry out performance evaluation of multi-order LTI System designs by Impulse Response Test
		EE307.03	Evaluate stability and stability margins of a proposed CT-LTI Design by transfer function approach.
		EE307.04	Design simple first-order and second-order systems for basic signal/energy processing applications from given transfer function/ impulse response/ steady-state requirements in electrical and thermal domains.
		EE307.05	Evaluate the signal distortion characteristics of a given transmission channel.
		EE307.06	Perform design verification/validation of simple first order and second order discrete-time linear systems by analytical methods
5	Microprocessor and Embedded Systems	EE309.01	Use the knowledge about the basics of digital realm in designing a Digital Systems.
		EE309.02	Evaluate microprocessor/controllers from its architecture and assess its suitability in a particular engineering application.
		EE309.03	To make the student capable of programming a processor using assembly language.
		EE309.04	Acquire the competence on configuring and using different peripherals in a digital system.
		EE309.05	Develop the skill to compile, debug as well as generate an executable file from a program and burn in the system memory to execute it.
		EE309.06	Design, assemble and test a digital system hardware using microcontroller / processor to solve engineering problems.

6	NEW AND RENEWABLE SOURCES OF ENERGY	EE367.01	Describe the concepts of different renewable energy sources
		EE367.02	Explain the concepts of solar energy conversion systems
		EE367.03	Explain the concepts of wind energy based electricity generation systems
		EE367.04	Describe the utilization of different storage technologies
		EE367.05	Describe the concepts of renewable energy sources like biomass, ocean energy and hydro power generation system
		EE367.06	Undersstanding biomass energy, biogas generation, emerging technologies
Semester 6			
Sl.No.	Name of the Subject	CO Code	Course Outcomes
1	ELECTROMAGNETICS	EE302.01	Implement vector calculus to state electric magnetic fields in different engineering situations.
		EE302.02	Determine maxwell's equation in different Electric feild.
		EE302.03	Determine maxwell's equation in different Magnetic feild.
		EE302.04	Define boundry conditions in mediums.
		EE302.05	Explain the phenomenon of wave propagation in different media and its interface and in applications.
		EE302.06	Diffrentiate the nature of EM wave propagation in guided medium.
2	ADVANCED CONTROL THEORY	EE304.01	Design compensators and controllers using classical techniques.
		EE304.02	Diffrentiate linear and nonlinear system using state space methods.
		EE304.03	Analyses the stability of discrete system.
		EE304.04	Detect describing function analysis of non linearities and stability of non linear system.
		EE304.05	Analyze the graphical approach of non-linear system stability by phase plane trajectories
		EE304.06	Detect Lyapunov stability criterion.
3	POWER SYSTEM ANALYSIS	EE306.01	Check structure of power .
		EE306.02	Diffrentiate load analysis methods (Gauss-Siedel Method, Newton Raphson method and Decoupled load flow method)
		EE306.03	Monitor practical perspective of economic load despatch
		EE306.04	Determine the need of Automatic Generation control
		EE306.05	Analyse power system stability
		EE306.6	Solve transient stability problem
4	ELECTRIC DRIVES	EE308.01	Determine the fundamental concepts of various machine drives.
		EE308.02	Detect a drive for a particular application.
		EE308.03	Differentiate control techniques for various drives.
		EE308.04	Determine operation of ac drives
		EE308.05	Determine operation dc drives
		EE308.06	Differentiate applications of ac and dc drives
5	BIOMEDICAL INSTRUMENTATION	EE372.01	Determine the concept of generation of various bioelectric signals like ECG,EEG.
		EE372.02	Explain the electro conduction system of heart and nervous system
		EE372.03	Explain the working of various diagnostic equipment
		EE372.04	Explain patient safety issues related to biomedical instrumentation.
		EE372.05	Understand measurement principles for blood flow, pressure and volume as well as respiratory variables
		EE372.06	Describe methods and implementation of electrical and nonelectrical medical parameters

6	PRINCIPLES OF MANAGEMENT EXPECTED OUTCOMES	HS300.01	Determine the fundamentals of management and managerial functions
		HS300.02	Oraganise management theories and practices.
		HS300.03	Organise and make decisions for organizations.
		HS300.04	Detect the functional areas of management
		HS300.05	Do staffing and related HRD functions.
		HS300.06	Test the different leadership styles and the requirements for effective control
Semester 7			
Sl.No.	Name of the Subject	CO Code	Course Outcomes
1	Electronic communication	EE401.01	To introduce the applications of communication technology
		EE401.02	To understand the methods and techniques used in communication field
		EE401.03	Carry out initial evaluation of analog versus digital communication subsystem alternatives in the context of electrical system design.
		EE401.04	Outline preferred communication subsystem structures in an electrical system to the multi-disciplinary design team.
		EE401.05	Evaluate the need for error correction in communication subsystems in the target electrical system design and report effectively to the Design Team.
		EE401.06	Design simple analog/pulse communication systems for non-critical signal transmission and telemetering applications over wire in Electrical Systems.
2	Distributed generation and smart grids	EE403.01	To develop a conceptual introduction to various distributed generation systems, micro grids, smart grids and their control
		EE403.02	Understand the microgrids and their control schemes
		EE403.03	Describe the concepts of different renewable energy sources
		EE403.04	Determine conceptual ideas of Smart Grid with a thorough understanding of various communication technologies and power management issues with smart grid
		EE403.05	Analyze issues related with integration of various distributed energy sources to smart grid
		EE403.06	Analyse the operation and importance of demand side management, power market scenarios in deregulated scenarios
3	Electrical system design	EE405.01	Students will able to understand the rules and regulation in electrical installation
		EE405.02	Students will able to design the electrical installation in domestic buildings
		EE405.03	Students will able to design medium and HV installation
		EE405.04	Students will able to design transformer and generator
		EE405.05	Students will able to design earthing system of HV installation
		EE405.06	Students will able to design Different illumination system
4	Digital Signal Processing	EE407.01	Formulate mathematical description for a given digital filter design and carry out performance evaluation of the design by analytical methods
		EE407.02	Carry out performance evaluation of a digital filter prototype design by impulse response testing.
		EE407.03	Design and validate linear phase FIR systems for various digital signal processing tasks
		EE407.04	Design IIR and FIR Filter structures for common filtering applications.
		EE407.05	Carry out spectral analysis of periodic CT waveforms using Digital Spectrum Analyzer and interpret the results
		EE407.06	Implement Digital Filters by Block Convolution
		EE409.01	To analyse the effect of temperature on different parts of electrical machines and to impart the knowledge on basic magnetic circuit design.
		EE409.02	Acquire knowledge about the design of dc machines with performance estimation

5	Electrical Machine Design	EE409.03	Acquire knowledge about the design of transformers with performance estimation.
		EE409.04	Acquire knowledge about the design of alternators with performance estimation
		EE409.05	Acquire knowledge about the design of induction machines with performance estimation.
		EE409.06	Acquire a basic idea about computer aided design (CAD) and finite element method.
6	Power Quality	EE465.01	Explain different power quality issues, causes and its mitigation techniques
		EE465.02	To study various methods of power quality monitoring.
		EE465.03	Discuss about the harmonic sources and effect of harmonics on power system equipment and loads
		EE465.04	Explain harmonic elimination, isolation techniques and power factor correction methods
		EE465.05	Measure voltage sag, swell and harmonics and analyze the measured data.
		EE465.06	Understand power quality monitoring and classification techniques

Semester 8

Sl.No.	Name of the Subject	CO Code	Course Outcomes
1	Special Electric Machines	EE402.01	To get an overview of some of the special machines for control and industrial applications
2	Industrial Instrumentation &Automation	EE404.01	To impart knowledge about Industrial instrumentation and automation
3	Computer Networks	EE468.01	To impart the mode of operation of different types of computer networks that are used to interconnect a distributed community of computers and various interfacing standards and protocols
4	ENVIRONMENTAL IMPACT ASSESSMENT	CE482.1	To study the various types of environmental pollution
		CE482.2	To study the impact of various types of pollutants and their assessment techniques

Department of Mechanical Engineering			
Semester 3			
Sl.No.	Name of the Subject	CO Code	Course Outcomes
1	Linear Algebra And Complex Analysis	MA 201.1	Identify analytic functions and Harmonic functions
		MA 201.2	Identify conformal mapping and to find the regions that are mapped under certain transformations.
		MA 201.3	Evaluate real definite integrals as application of Residue theorem
		MA 201.4	Solve any given system of linear equations and to find the Eigen values of a matrix and how to diagonalize a matrix
2	Mechanics Of Solids	ME 201 .1	Acquaint with the basic concepts of stress and deformation in solids
		ME 201 .2	Analyze stress and strain in simple structural members
		ME 201 .3	Determine the stresses in simple structural members such as shafts, beams, columns etc.
		ME 201 .4	Understand principal planes and stresses, and apply the results to combined loading cases
3	Mechanics Of Fluids	ME 203.1	Idea on the mechanics of fluid motion.
		ME 203.2	Establish fundamental knowledge of basic fluid mechanics and address specific topics relevant to simple applications involving fluids
		ME 203.3	Familiarize students with the relevance of fluid dynamics to many engineering systems
		ME 203.4	Disseminate the ideas on Dimensionless analysis and similitude
4	Thermodynamics	ME 205 .1	Understand basic thermodynamic principles and laws
		ME 205 .2	Develop the skills to analyze and design thermodynamic systems
		ME 205 .3	Provide a better understanding of energy and energy related engineering systems.
		ME 205 .4	Provide the students a feel for how thermal sciences are applied in engineering practice
5	Metallurgy And Materials Engineering	ME 210.1	Familiarize with the crystal structures of metallic materials.
		ME 210.2	Examine the characteristics of metal's microstructure by visual inspection techniques.
		ME 210.3	Analyze the binary phase diagrams, heat treat treatment process and strengthening procedure of Fe-C alloys.
		ME 210.4	Recognize the stages that will lead to failures of metals on structural/thermal loading and characteristics of materials namely composites, modern engineering materials,ceramics
6	Business Economics	HS200.1	Familarise perspective engineers with elementary principles of business economics
		HS200.2	Apply business analysis to the firm under different market conditions.
		HS200.3	Apply economic models to examine current senario and evaluate policy option for addressing economic issues.
		HS200.4	Prepare and analyse various business tools like balance shet, cost benefit analysis and rate of return at an elementary level.
Semester 4			
Sl.No.	Name of the Subject	CO Code	Course Outcomes
		MA202.1	Discrete and continuous probability density functions and special probability distributions.

1	Probability Distributions,Transforms And Numerical Methods	MA202.2	Laplace and Fourier transforms and apply them in their Engineering
		MA202.3	Numerical methods and their applications in solving engineering problems
		MA202.4	Introduce the concept of random variables, probability distributions, specific discrete and continuous distributions with practical application in various Engineering and social life situations.
2	Advanced Mechanics Of Solids	ME202.1	Apply concepts of stress and strain analyses in solids.
		ME202.2	Use the procedures in theory of elasticity at a basic level
		ME202.3	Solve general bending problems
		ME202.4	Apply energy methods in structural mechanics problems
3	Thermal Engineering	ME204 .1	Integrate the concepts, laws and methodologies from the course in thermodynamics into analysis of cyclic processes
		ME204 .2	To apply the thermodynamic concepts into various thermal application like IC engines, steam turbines, compressors.
		ME204 .3	understand air pollution from IC engines and its remedies
		ME204 .4	acquire knowledge on the working of steam turbines, IC engines and gas turbines
4	Fluid Machinery	ME206.1	Discuss the characteristics of centrifugal pump and reciprocating pumps.
		ME206.2	Calculate forces and work done by a jet on fixed or moving plate and curved plates.
		ME206.3	Know the working of turbines and select the type of turbine for an application.
		ME206.4	Do the analysis of air compressors and select the suitable one for a specific application.
5	Manufacturing Technology	ME220 .1	Acquire knowledge in various casting processes and technology related to them
		ME220 .2	Understand the rolling passes required for getting required shapes of rolled products.
		ME220 .3	Discuss the important aspects of forging techniques and sheet metal working processes.
		ME220 .4	Acquire knowledge in various types of welding processes
6	Life Skills	HS210.1	Communicate effectively.
		HS210.2	Face interview & group discussion
		HS210.3	Handle Engineering Ethics and Human Values.
		HS210.4	Write different types of reports
Semester 5			
Sl.No.	Name of the Subject	CO Code	Course Outcomes
1	MECHANICS OF MACHINERY	ME301.1	Ability to evaluate kinematics and mechanics of various mechanisms
		ME301.2	Make aware of various mechanisms and its involvement in daily life.
		ME301.3	Determination of design parameters for gears and cams.
		ME301.4	Synthesis of mechanisms
		ME303.1	Introduce students to the scientific principles underlying material behavior during manufacturing process so as to enable them to undertake calculations of forces, tool stress and MMR.

		ME303.2	Understand various machine tools such as lathe, drilling mc, reciprocating mc, and their operations.
		ME303.3	Impart knowledge of appropriate parameters to be used for various machining operations.
2	MACHINE TOOLS AND DIGITAL MANUFACTURING	ME303.4	Develop knowledge on the importance of milling grinding and super finishing in metal cutting process, and to introduce to DM
		ME 305.1	Students will be able to write Computer Programs.
		ME 305.2	Study how to solve the numerical solutions for engineering problems.
	COMPUTER PROGRAMMING	ME 305.3	Able to solve the system of equation and heat equations.
3	AND NUMERICAL METHODS	ME 305.4	Able to solve the algoritham and design of various programmes
		EE311.1	Give a strong foundation on all electrical machines including DC machines, transformers,
		EE311.2	Give a strong foundation on induction motors and synchronous motors.
	ELECTRICAL DRIVES AND	EE311.3	Good grasp on working of electrical machines and transformers, and their applications.
4	CONTROL FOR AUTOMATION	EE311.4	Gives a basic idea about traction and welding.
		HS300 .1	Develop ability to critically analyze and evaluate a variety of management practices in the contemporary context;
		HS300 .2	Understand and apply a variety of management and organizational theories in practice.
		HS300 .3	Able to mirror existing practices or to generate their own innovative management competencies, required for today's complex and global workplace:
5	PRINCIPLES OF MANAGEMENT	HS300 .4	Able to critically reflect on ethical theories and social responsibility ideologies to create sustainable organizations.
		ME367.1	Present the basic concepts, methods, equipment, applications and limitations of NDT methods such as Visual, Penetrant Testing, Magnetic Particle Testing, UltrasonicTesting, Radiography, Eddy Current.
		ME367.2	Facilitate selection of appropriate NDT methods
		ME367.3	Understand advantages and limitations of nondestructive testing methods
6	NON DESTRUCTIVE TESTING	ME367.4	Study the developments and future trends in NDT .
Semester 6			
Sl.No.	Name of the Subject	CO Code	Course Outcomes
		ME302 .1	Introduce the various modes of heat transfer
		ME302 .2	Develop methodologies for solving a wide variety of practical heat transfer problems
		ME302 .3	Provide useful information concerning the performance and design of simple heat transfer systems
1	HEAT AND MASS TRANSFER	ME302 .4	Introduce mass transfer
		ME304.1	Impart knowledge on force analysis of machinery, balancing of rotating and reciprocating masses and Gyroscopes
		ME304.2	Give basic understanding of energy fluctuation in Machines.
		ME304.3	Introduce the fundamentals in vibration, vibration analysis of single degree of freedom systems.

2	DYNAMICS OF MACHINERY	ME304.4	Understand the physical significance and design of vibration systems with desired conditions
3	ADVANCED MANUFACTURING TECHNOLOGY	ME306.1	Introduce machining principles and processes in the manufacturing of precision components and products that use conventional and nonconventional technologies.
		ME306.2	Give basic understanding of the machining capabilities, limitations, and productivity of advanced manufacturing processes.
		ME306.3	Describe how PLC's operate and how they control automated equipment and systems
		ME306.4	Introduce CNC programming and to demonstrate tool path simulations with CNC powered equipment
4	COMPUTER AIDED DESIGN & ANALYSIS	ME308.1	Gain a basic knowledge on Computer Aided Design methods and procedures.
		ME308.2	Understand the fundamentals of solid modeling.
		ME308.3	Have a basic knowledge in finite element analysis procedures.
		ME308.4	Learn various analysis methods and solution procedures.
5	METROLOGY AND INSTRUMENTATION	ME312.1	Understand the working of linear and angular measuring equipments, their principles of operations and application basic principles of measurements.
		ME312.2	Familiarize the working of optical measuring instruments, fundamentals of limits and limit gauges, fundamentals of screw thread parameters.
		ME312.3	Give an exposure to advanced measuring devices.
		ME312.4	Learn various comparators, transducers and devices used for measuring force, torque, stress-strain and temperature.
6	MARKETING MANAGEMENT	ME368.1	State the role and functions of marketing management
		ME368.2	Describe key Marketing concepts, theories and Techniques for analyzing and variety marketing situations
		ME368.3	Identify and demonstrate the dynamic nature of the environment in which marketing decisions are taken.
		ME368.4	Synthesize ideas into a marketing plan
Semester 7			
Sl.No.	Name of the Subject	CO Code	Course Outcomes
1	DESIGN OF MACHINE ELEMENTS - I	ME401.1	To review concepts of statics and strength of materials.
		ME401.2	To introduce fundamental approaches to failure prevention of components.
		ME401.3	To provide knowledge in the design of common machine elements such as fasteners, shafts
		ME401.4	To provide knowledge in the design springs cotter joints and couplings.
2	ADVANCED ENERGY ENGINEERING	ME403.1	To give an idea about global energy scenario
		ME403.2	To give an idea of conventional energy sources
		ME403.3	To understand solar, wind , Biomass energy and concepts of other renewable energy sources
		ME403.4	To create awareness on the impacts of energy conversion and importance of sustainable energy

3	REFRIGERATION & AIRCONDITIONING	ME405.1	To introduce vapour compression and vapour adsorption systems
		ME405.2	To impart knowledge on refrigeration cycles and methods to improve performance
		ME405.3	To familiarize the components of refrigeration systems & air conditioning systems
		ME405.4	To know the applications of refrigeration and air conditioning systems
4	MECHATRONICS	ME407.1	To introduce the features of various sensors used in CNC machines and robots
		ME407.2	To study the fabrication and functioning of MEMS pressure and inertial sensors
		ME407.3	To develop hydraulic/pneumatic circuit
		ME407.4	PLC program for simple applications
5	COMPRESSIBLE FLUID FLOW	ME409.1	To familiarize with behavior of compressible gas flow.
		ME409.2	To understand the subsonic flow
		ME409.3	To understand the supersonic flow
		ME409.4	To familiarize with high speed test facilities
6	CRYOGENIC ENGINEERING	ME467.1	To provide the knowledge of evolution of low temperature science
		ME467.2	To provide knowledge on the properties of materials at low temperature
		ME467.3	To familiarize with various gas liquefaction systems
		ME467.4	To provide design aspects of cryogenic storage and transfer lines
7	AUTOMOBILE ENGINEERING	ME463.5	The anatomy of the automobile in general
		ME463.6	To study working of different automotive systems and subsystems
		ME463.7	The functioning of the engine and its accessories, gear box, clutch, brakes, steering, suspension etc
		ME463.8	Study latest developments in automobiles
Semester 8			
Sl.No.	Name of the Subject	CO Code	Course Outcomes
1	DESIGN OF MACHINE ELEMENTS - II	ME402.1	Provide basic design skills with regard to clutches.
		ME402.2	Provide basic design skills with regard to brakes, belt drives, bearings.
		ME402.3	Provide basic design skills with regard to gears and connecting rod.
		ME402.4	Understand the design modifications to be considered for the ease of manufacturing.
2	INDUSTRIAL ENGINEERING	ME404.1	To impart theoretical knowledge about various tools and techniques of Industrial Engineering.
		ME404.2	To create awareness about various safety procedures to be followed in carrying out different types of projects.
		ME404.3	To get acquainted with the Inventory management Principles and Techniques.
		ME404.4	To equip the students with the theoretical knowledge of Quality control practices and testing methods.
	Material Handling & Facilities	ME476.1	To provide understanding of the overall facilities planning process
		ME476.2	To educate product, process and schedule design and their effects on the facility layout

3	Material Handling & Facilities Planning	ME476.3	To introduce concepts of material handling and safety in industries.
4	ENVIRONMENTAL IMPACT ASSESSMENT	CE482.1	To study the various types of environmental pollution
		CE482.2	To study the impact of various types of pollutants and their assessment techniques

VIDYA ACADEMY OF SCIENCE & TECHNOLOGY TECHNICAL CAMPUS

Kilimanoor, Thiruvanathapuram

Department of Computer Science & Engineering

Internal Examination 1

Faculty Name KRISHNA L

Subject Name & Code: CST 372 DATA AND COMPUTER COMMUNICATION

Sl.No	Reg.No	Question No.	Q1	Q2	Q3	Q4	Q5	Either or Choice Q6	Either or Choice Q7	Q8a	Q8b	Q9a	Q9b	Q10	Q11	Total CO1	Total CO2	Total CO3	Total CO4	Total CO5	Total CO6	Total
		Course Outcome	1	1	4	2	4	4	4	1	1	1	1	2	2							
		Max. Marks	3	3	3	3	3	14	14	7	7	6	8	7	7	20	10		20			50
1	VAK19CS001	AADIL MUHAMMAD A	3	2	1.5	2	3		7			6	7	6		18	8		11.5			38
2	VAK19CS002	ABDULLA HASHIM	2				3	9				2	8		1.5	12	1.5		12			26
3	VAK19CS003	ABHINAND J S	2				3	9				4	8		1.5	14	1.5		12			28
4	VAK19CS004	ADITHYA PUSHPARAJ	3	2	1.5	2			10			6	7	6		18	8		11.5			38
5	VAK19CS005	AKHIL PRADEESAN	3	3	1.5	3			10			6	7	6		19	9		11.5			40
6	VAK19CS006	AKSHAYA PRATHAP	3	3	3	3	3	14				6	8	7		20	10		20			50
8	VAK19CS008	AMAL PRASAD	2	2				4				2	8		1.5	14	1.5		4			20
10	VAK19CS010	ARUN NAMBI	2	2				4				2	8		1.5	14	1.5		4			20
11	VAK19CS011	ASHIK MOHAMMED S	2	3	2			9				4	8		1.5	17	1.5		11			30
12	VAK19CS012	ASHISH PRASANNAN	2	3	2			9				4	8		1.5	17	1.5		11			30
13	VAK19CS013	BIBIN BINU	2	3	2			9				4	8		1.5	17	1.5		11			30
14	VAK19CS014	DEVANAND AL	3	3	1.5	3			14			6	7	6		19	9		15.5			44
16	VAK19CS016	FAIZAL SHANAVAS PUTHIYAVEETIL	3		1.5	3	3		10			6	7	6		16	9		14.5			40
17	VAK19CS017	FARZANA S	3	3	1.5	3	3		11			6	7	6		19	9		15.5			44
18	VAK19CS018	GAYATHRI S K	2	3	2	2		9				4	8		1.5	17	3.5		11			32
19	VAK19CS019	IRFANA S	3	3	1.5	3	3		11			6	7	6		19	9		15.5			44
20	VAK19CS020	JITHIN MADHAV	2	3	2			9				4	8		1.5	17	1.5		11			30
21	VAK19CS021	JYOTHIRMAYI S L	2	3	2			9				4	8		1.5	17	1.5		11			30
22	VAK19CS022	KRISHNA B NAIR	3	3			3		12			6	7	6		19	6		15			40
23	VAK19CS023	KRISHNAPRASAD P A	2		2			12				4	8		1.5	14	1.5		14			30
24	VAK19CS024	MUHAMMAD NAZEEM N	3	3	1.5	3	3		11			6	7	6		19	9		15.5			44
25	VAK19CS025	NIRANJAN S S	3	3	1.5	3	3		11			6	7	6		19	9		15.5			44
26	VAK19CS026	RAJA LAKSHMI J	3	3	3	3	3	14				6	8	7		20	10		20			50
27	VAK19CS027	SALU J SUMAN		3	1.5		3		13			6	7	6		16	6		17.5			40
28	VAK19CS028	SANDRA S P	3	3			3		12			6	7	6		19	6		15			40
30	VAK19CS030	SREELEKSHMI B S	3	3	3	3	1	14				6	8	7		20	10		18			48
31	VAK19CS031	ULLAS J S	6	2				4				2	8		1.5	18	1.5		4			24
32	LVAK19CS032	ANJANA A R	3	3	1.5	3	3		9			6	7	6		19	9		13.5			42
33	LVAK19CS033	ANJU S R		3	1.5		3		11			6	7	6		16	6		15.5			38
34	LVAK19CS034	ARSHA RAJ	3	3	3	3	3	14				6	8	7		20	10		20			50

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35	LVAK19CS035	ARYA ANIL	3	3	3	1	3	14				6	8	7		20	8		20			48

Blooms taxonomy level	2	2	2	2	2	3	3	3			3	3	3	Target attainment Marks						
Total no of Students	31	Target											80	16	8		16			
Total no of Students scored more than target														26	15	0	6	0	0	
Percentage Students scored more than target														84	48	0	19.4	0	0	

Bench Mark attainment	Attainment
Less than 60% of students attaibed the target	0
60 to 69% of students attained the target	1
70 to 79% of students attained the target	2
More than 80% of students attained the target	3
Not Applicable	-

IE1	CO1	3
	CO2	0
	CO3	-
	CO4	0
	CO5	-
	CO6	-

Quality of question paper		
Weightage of marks	Blooms Level	
0	Remember	1
15	Understand	2
70	Apply	3
0	Analyze	4
0	Evaluate	5
0	Create	6

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VIDYA ACADEMY OF SCIENCE & TECHNOLOGY TECHNICAL CAMPUS

Kilimanoor, Thiruvanathapuram

Department of Computer Science & Engineering

Internal Examination 2

Faculty Name: 0

Subject Name & Code: CST 372 DATA AND COMPUTER COMMUNICATIOI — Either or Choice

Sl.No.	Reg.No	Question No:	Q1	Q2	Q3	Q4	Q5	Q6a	Q6b	Q7	Q8a	Q8b	Q9a	Q9b	Q10	Q11	Total						Total	
		Course Outcome	4	6	6	5	4	5	5	5	6	6	6	6	4	4	CO1	CO2	CO3	CO4	CO5	CO6		
		Max. Marks	3	3	3	3	3	8	6	14	7	7	6	8	7	7				13	17	20	50	
1	VAK19CS001	AADIL MUHAMMAD A	0.5	3	2	3	3			8.5			6	6	4					7.5	11.5	17	36	36
2	VAK19CS002	ABDULLA HASHIM	0.5	3	2	3	3			8.5			6	6	4					7.5	11.5	17	36	36
3	VAK19CS003	ABHINAND J S	0.5	3		3	3			8.5				6	4					7.5	11.5	9	28	28
4	VAK19CS004	ADITHYA PUSHPARAJ		3	3	3	3			14			6	8	6					9	17	20	46	46
5	VAK19CS005	AKHIL PRADEESAN	3	3	3	3	3			13			6	8	6					12	16	20	48	48
6	VAK19CS006	AKSHAYA PRATHAP	3	3	3	3	3			14			6	8	7					13	17	20	50	50
8	VAK19CS008	AMAL PRASAD		2	2	3	3			14			4	8	6					9	17	16	42	42
10	VAK19CS010	ARUN NAMBI	3	3	2		3			11	7	7			6					12	11	19	42	42
11	VAK19CS011	ASHIK MOHAMMED S	3	3	2		3			11	5	5			6					12	11	15	38	38
12	VAK19CS012	ASHISH PRASANNAN		2	2	3	3			14			4	8	6					9	17	16	42	42
13	VAK19CS013	BIBIN BINU		2	2	3	3			14			4	8	6					9	17	16	42	42
14	VAK19CS014	DEVANAND AL	2	2	2	3	3			14			6	8	6					11	17	18	46	46
16	VAK19CS016	FAIZAL SHANAVAS PUTHiYAVEETIl	2	2	2	3	3			14			6	8	6					11	17	18	46	46
17	VAK19CS017	FARZANA S	3	3	3	3	3			14			6	8	7					13	17	20	50	50
18	VAK19CS018	GAYATHRI S K	2	2	2	3	3			14			6	8	6					11	17	18	46	46
19	VAK19CS019	IRFANA S		2	2	3	3			14			4	8	6					9	17	16	42	42
20	VAK19CS020	JITHIN MADHAV	2	2	2	3	3			14			4	8	6					11	17	16	44	44
21	VAK19CS021	JYOTHIRMAYI S L		2	2	3	3			14			4	8	6					9	17	16	42	42
22	VAK19CS022	KRISHNA B NAIR	3	3	3	3	3			13			6	8	6					12	16	20	48	48
23	VAK19CS023	KRISHNAPRASAD P A		2	2	3	3			14			4	4	6					9	17	12	38	38
24	VAK19CS024	MUHAMMAD NAZEEM N	3	3	3	3	3			13			6	8	6					12	16	20	48	48
25	VAK19CS025	NIRANJAN S S	2	2	2	3	3			14			6	8	6					11	17	18	46	46
26	VAK19CS026	RAJA LAKSHMI J	3	3	3	3	3			14			6	8	7					13	17	20	50	50
27	VAK19CS027	SALU J SUMAN		2	2	3	3			12			4	8	6					9	15	16	40	40
28	VAK19CS028	SANDRA S P	3	3	3	3	3			14			6	8	7					13	17	20	50	50
30	VAK19CS030	SREELEKSHMI B S	3	3	3	3	3			14			6	8	6					12	17	20	49	50
31	VAK19CS031	ULLAS J S		2	2	3	3			14			4	8	6					9	17	16	42	42
32	LVAK19CS032	ANJANA A R	3	3	3	3	3			13			6	8	6					12	16	20	48	48
33	LVAK19CS033	ANJU S R		2	2	3	3			14			4	8	6					9	17	16	42	42
34	LVAK19CS034	ARSHA RAJ	3	3	3	3	3			14			6	8	7					13	17	20	50	50
35	LVAK19CS035	ARYA ANIL		2	2	3	3			14			4	8	6					9	17	16	42	44

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Blooms taxonomy level	3	3	2	2	3	2	2	3	3	3	3	3	3	3	Target attainment Marks					
Total no of Students	31	Target												60				7.8	10.2	12
Total no of Students scored more than target															0	0	0	28	31	30
Percentage of Students scored more than target															0	0	0	90	100	96.77

Bench Mark attainment	Attainment
Less than 60% of students attaibed the target	0
60 to 69% of students attained the target	1
70 to 79% of students attained the target	2
More than 80% of students attained the target	3
Not Applicable	-

IE2	CO1	-
	CO2	-
	CO3	-
	CO4	3
	CO5	3
	CO6	3

Quality of question paper		
Weightage of marks	Blooms Level	
0	Remember	1
6	Understand	2
79	Apply	3
0	Analyze	4
0	Evaluate	5
0	Create	6

Target = 1.1 X (Avergage of Internal Exam 1 and Internal Exam 2 marks of previous semester for the subject) X 2

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Blooms taxonomy level	3	3	2	2	3	2	2	3	3	3	3	3	3	3	Target attainment Marks					
Total no of Students	31	Target												60				7.8	10.2	12
Total no of Students scored more than target															0	0	0	28	31	30
Percentage of Students scored more than target															0	0	0	90	100	96.77

Bench Mark attainment	Attainment
Less than 60% of students attaibed the target	0
60 to 69% of students attained the target	1
70 to 79% of students attained the target	2
More than 80% of students attained the target	3
Not Applicable	-

Target = 1.1 X (Avergage of Internal Exam 1 and Internal Exam 2 marks of previous semester for the subject) X 2

IE2	CO1	-
	CO2	-
	CO3	-
	CO4	3
	CO5	3
	CO6	3

Quality of question paper		
Weightage of marks	Blooms Level	
0	Remember	1
6	Understand	2
79	Apply	3
0	Analyze	4
0	Evaluate	5
0	Create	6

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VIDYA ACADEMY OF SCIENCE & TECHNOLOGY TECHNICAL CAMPUS

Kilimanoor, Thiruvanathapuram

Department of Computer Science & Engineering

Assignment 1

Subject Name & Code CST 372 DATA AND COMPUTER COMMUNICATION **Faculty Name** KRISHNA L

Sl.No.	Reg.No	Question No:	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Total						Total
		Course Outcome	2	2	2	2							CO1	CO2	CO3	CO4	CO5	CO6	
		Max. Marks	7.5	7.5	7.5	7.5								15					15
1	VAK19CS001	AADIL MUHAMMAD A	7.5	7.5										15					15
2	VAK19CS002	ABDULLA HASHIM	7.5	7.5										15					15
3	VAK19CS003	ABHINAND J S	7.5	7.5										15					15
4	VAK19CS004	ADITHYA PUSHPARAJ	7.5	7.5										15					15
5	VAK19CS005	AKHIL PRADEESAN	7.5	7.5										15					15
6	VAK19CS006	AKSHAYA PRATHAP	7.5	7.5										15					15
8	VAK19CS008	AMAL PRASAD	7.5	7.5										15					15
10	VAK19CS010	ARUN NAMBI	7.5	7.5										15					15
11	VAK19CS011	ASHIK MOHAMMED S	7.5	7.5										15					15
12	VAK19CS012	ASHISH PRASANNAN	7.5	7.5										15					15
13	VAK19CS013	BIBIN BINU	7.5	7.5										15					15
14	VAK19CS014	DEVANAND AL	7.5	7.5										15					15
16	VAK19CS016	FAIZAL SHANAVAS PUTHIYAVEETIL			7.5	7.5									15				15
17	VAK19CS017	FARZANA S			7.5	7.5									15				15
18	VAK19CS018	GAYATHRI S K			7.5	7.5									15				15
19	VAK19CS019	IRFANA S			7.5	7.5									15				15
20	VAK19CS020	JITHIN MADHAV			7.5	7.5									15				15
21	VAK19CS021	JYOTHIRMAYI S L			7.5	7.5									15				15
22	VAK19CS022	KRISHNA B NAIR			7.5	7.5									15				15
23	VAK19CS023	KRISHNAPRASAD P A			7.5	7.5									15				15
24	VAK19CS024	MUHAMMAD NAZEEM N			7.5	7.5									15				15
25	VAK19CS025	NIRANJAN S S			7.5	7.5									15				15
26	VAK19CS026	RAJA LAKSHMI J			7.5	7.5									15				15
27	VAK19CS027	SALU J SUMAN			7.5	7.5									15				15

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28	VAK19CS028	SANDRA S P			7.5	7.5									15				15
30	VAK19CS030	SREELEKSHMI B S			7.5	7.5									15				15
31	VAK19CS031	ULLAS J S			7.5	7.5									15				15
32	LVAK19CS032	ANJANA A R			7.5	7.5									15				15
33	LVAK19CS033	ANJU S R			7.5	7.5									15				15
34	LVAK19CS034	ARSHA RAJ			7.5	7.5									15				15
35	LVAK19CS035	ARYA ANIL			7.5	7.5									15				15

Blooms taxonomy level	2										Target attainment Marks					
Total no of Students	31	Target								80		12				
Total no of Students scored more than target											0	31	0	0	0	0
Percentage of Students scored more than target											0	100	0	0	0	0

Bench Mark attainment		Attainment
Less than 60% of students attaibed the target		0
60 to 69% of students attained the target		1
70 to 79% of students attained the target		2
More than 80% of students attained the target		3
Not Applicable		-
Assignment 1	CO1	-
	CO2	3
	CO3	-
	CO4	-
	CO5	-
	CO6	-

Quality of question paper		
Weightage of marks	Blooms Level	
0	Remember	1
5	Understand	2
0	Apply	3
0	Analyze	4
0	Evaluate	5
0	Create	6

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Kilimanoor, Thiruvanathapuram

Department of Computer Science & Engineering

Assignment 2

Subject Name & Code CST 372 DATA AND COMPUTER COMMUNICATION **Faculty Name** KRISHNA L

Sl.No	Reg.No	Question No:	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Total						Total
		Course Outcome	5	5	5	5	5						CO1	CO2	CO3	CO4	CO5	CO6	
		Max. Marks	7.5	7.5													15		15
1	VAK19CS001	AADIL MUHAMMAD A	7.5	7.5													15		15
2	VAK19CS002	ABDULLA HASHIM	7.5	7.5													15		15
3	VAK19CS003	ABHINAND J S	7.5	7.5													15		15
4	VAK19CS004	ADITHYA PUSHPARAJ	7.5	7.5													15		15
5	VAK19CS005	AKHIL PRADEESAN	7.5	7.5													15		15
6	VAK19CS006	AKSHAYA PRATHAP	7.5	7.5													15		15
8	VAK19CS008	AMAL PRASAD	7.5	7.5													15		15
10	VAK19CS010	ARUN NAMBI	7.5	7.5													15		15
11	VAK19CS011	ASHIK MOHAMMED S	7.5	7.5													15		15
12	VAK19CS012	ASHISH PRASANNAN	7.5	7.5													15		15
13	VAK19CS013	BIBIN BINU	7.5	7.5													15		15
14	VAK19CS014	DEVANAND AL			7.5	7.5											15		15
16	VAK19CS016	FAIZAL SHANAVAS PUTHIYAVEETIL			7.5	7.5											15		15
17	VAK19CS017	FARZANA S			7.5	7.5											15		15
18	VAK19CS018	GAYATHRI S K			7.5	7.5											15		15
19	VAK19CS019	IRFANA S			7.5	7.5											15		15
20	VAK19CS020	JITHIN MADHAV			7.5	7.5											15		15
21	VAK19CS021	JYOTHIRMAYI S L			7.5	7.5											15		15
22	VAK19CS022	KRISHNA B NAIR			7.5	7.5											15		15
23	VAK19CS023	KRISHNAPRASAD P A			7.5	7.5											15		15
24	VAK19CS024	MUHAMMAD NAZEEM N			7.5	7.5											15		15
25	VAK19CS025	NIRANJAN S S			7.5	7.5											15		15
26	VAK19CS026	RAJA LAKSHMI J			7.5	7.5											15		15
27	VAK19CS027	SALU J SUMAN			7.5	7.5											15		15
28	VAK19CS028	SANDRA S P			7.5	7.5											15		15
30	VAK19CS030	SREELEKSHMI B S			7.5	7.5											15		15

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31	VAK19CS031	ULLAS J S			7.5	7.5											15		15
32	LVAK19CS032	ANJANA A R			7.5	7.5											15		15
33	LVAK19CS033	ANJU S R			7.5	7.5											15		15
34	LVAK19CS034	ARSHA RAJ			7.5	7.5											15		15
35	LVAK19CS035	ARYA ANIL			7.5	7.5											15		15

Blooms Taxonomy level	3									**Target attainment Marks**					
Total no of Students	31	**Target**							**80**					12	
Total no of Students scored more than target										0	0	0	0	31	0
Percentage of Students scored more than target										0	0	0	0	100	0

Bench Mark attainment	**Attainment**
Pass Percentage < 60	0
Pass Percentage between 60 & 69	1
Pass Percentage between 70 & 79	2
Pass Percentage >= 80%	3
Not Applicable	-

Assignment 2	CO1	-
	CO2	-
	CO3	-
	CO4	-
	CO5	3
	CO6	-

Quality of question paper		
Weightage of marks	**Blooms Level**	
0	Remember	1
5	Understand	2
0	Apply	3
0	Analyze	4
0	Evaluate	5
0	Create	6

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Department of Computer Science & Engineering

ATTENDANCE

Subject Name & Code: CST 372 DATA AND COMPUTER COMMUNICATION

SLNo	Reg.No	Course Outcome / Total Hours	CO1 10		CO2 10		CO3 10		CO4 10		CO5 10		CO6 10		Total
			No. of hrs	Attendance	No. of hrs	Attendance	No. of hrs	Attendance	No. of hrs	Attendance	No. of hrs	Attendance	No. of hrs	Attendance	
1	VAK19CS001	AADIL MUHAMMAD A	0	100	0	100	2	80	5	50	2	80	3	70	80.0
2	VAK19CS002	ABDULLA HASHIM	0	100	0	100	2	80	4	60	0	100	0	100	1
3	VAK19CS003	ABHINAND J S	1	90	5	50	1	90	3	70	3	70	2	80	75.0
4	VAK19CS004	ADITHYA PUSHPARAJ	0	100	3	70	0	100	2	80	0	100	2	80	88
5	VAK19CS005	AKHIL PRADEESAN	0	100	0	100	2	80	5	50	2	80	3	70	80.0
6	VAK19CS006	AKSHAYA PRATHAP	0	100	0	100	1	90	3	70	1	90	0	100	92
8	VAK19CS008	AMAL PRASAD	1	90	5	50	1	90	3	70	3	70	2	80	75.0
10	VAK19CS010	ARUN NAMBI	1	90	2	80	1	90	1	90	1	90	2	80	87
11	VAK19CS011	ASHIK MOHAMMED S	0	100	0	100	2	80	5	50	2	80	3	70	80.0
12	VAK19CS012	ASHISH PRASANNAN	1	90	5	50	1	90	3	70	3	70	1	90	76.7
13	VAK19CS013	BIBIN BINU	0	100	0	100	2	80	5	50	3	70	0	100	83.3
14	VAK19CS014	DEVANAND AL	0	100	0	100	2	80	5	50	3	70	0	100	83.3
16	VAK19CS016	FAIZAL SHANAVAS PUTHIYAVE	1	90	5	50	1	90	3	70	3	70	2	80	75.0
17	VAK19CS017	FARZANA S	0	100	0	100	1	90	3	70	1	90	0	100	92
18	VAK19CS018	GAYATHRI S K	1	90	2	80	1	90	1	90	1	90	2	80	86.7
19	VAK19CS019	IRFANA S	0	100	0	100	2	80	5	50	3	70	1	90	82
20	VAK19CS020	JITHIN MADHAV	1	90	5	50	1	90	3	70	3	70	1	90	76.7
21	VAK19CS021	JYOTHIRMAYI S L	0	100	0	100	2	80	5	50	2	80	2	80	82
22	VAK19CS022	KRISHNA B NAIR	0	100	0	100	2	80	5	50	3	70	1	90	82
23	VAK19CS023	KRISHNAPRASAD P A	1	90	5	50	1	90	3	70	3	70	0	100	78.3
24	VAK19CS024	MUHAMMAD NAZEEM N	0	100	0	100	1	90	3	70	1	90	1	90	90.0
25	VAK19CS025	NIRANJAN S S	1	90	5	50	1	90	3	70	3	70	2	80	75.0
26	VAK19CS026	RAJA LAKSHMI J	0	100	0	100	2	80	4	60	1	90	1	90	86.7
27	VAK19CS027	SALU J SUMAN	0	100	0	100	2	80	5	50	2	80	3	70	80.0
28	VAK19CS028	SANDRA S P	0	100	0	100	2	80	5	50	3	70	1	90	82
30	VAK19CS030	SREELEKSHMI B S	0	100	0	100	1	90	3	70	1	90	0	100	92
31	VAK19CS031	ULLAS J S	1	90	1	90	4	60	3	70	2	80	1	90	80.0
32	LVAK19CS032	ANJANA A R	0	100	0	100	1	90	3	70	1	90	0	100	92
33	LVAK19CS033	ANJU S R	0	100	0	100	1	90	3	70	1	90	1	90	90.0
34	LVAK19CS034	ARSHA RAJ	0	100	0	100	1	90	3	70	1	90	0	100	91.7
35	LVAK19CS035	ARYA ANIL	0	100	0	100	1	90	3	70	1	90	0	100	91.7

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Total No of Students	31					
Target	**80**					
Total no of Students scored more than target	31	23	30	3	19	27
Percentage Students scored more than target	100.0	74.2	96.8	9.7	61.3	87.1

Bench Mark attainment	Attainment
Less than 60% of students attaibed the target	0
60 to 69% of students attained the target	1
70 to 79% of students attained the target	2
More than 80% of students attained the target	3
Not Applicable	-

Attendance	CO1	3
	CO2	2
	CO3	3
	CO4	-
	CO5	1
	CO6	3

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VIDYA ACADEMY OF SCIENCE & TECHNOLOGY TECHNICAL CAMPUS

Kilimanoor, Thiruvanathapuram

Department of Computer Science & Engineering

Indirect Attainment

Subject Name & Code	CST 372 DATA AND COMPUTER COMMUNICATION

Sl.No	Reg.No		Total					
		Course Outcome	CO1	CO2	CO3	CO4	CO5	CO6
		Max. Marks	5	5	5	5	5	5
1	VAK19CS001	AADIL MUHAMMAD A	4	4	1	4	2	3
2	VAK19CS002	ABDULLA HASHIM	5	5	1	4	3	3
3	VAK19CS003	ABHINAND J S	5	5	1	3	3	2
4	VAK19CS004	ADITHYA PUSHPARAJ	4	4	1	4	1	1
5	VAK19CS005	AKHIL PRADEESAN	4	4	2	4	4	1
6	VAK19CS006	AKSHAYA PRATHAP	3	3	4	5	4	4
8	VAK19CS008	AMAL PRASAD	4	4	4	5	3	5
10	VAK19CS010	ARUN NAMBI	4	4	3	4	4	5
11	VAK19CS011	ASHIK MOHAMMED S	5	5	4	4	4	4
12	VAK19CS012	ASHISH PRASANNAN	5	5	4	3	5	4
13	VAK19CS013	BIBIN BINU	4	4	5	4	5	3
14	VAK19CS014	DEVANAND AL	4	4	5	5	4	4
16	VAK19CS016	FAIZAL SHANAVAS PUTHIYAVEE	3	3	4	5	4	4
17	VAK19CS017	FARZANA S	4	4	4	4	3	5
18	VAK19CS018	GAYATHRI S K	5	5	3	4	4	5
19	VAK19CS019	IRFANA S	5	5	4	3	5	4
20	VAK19CS020	JITHIN MADHAV	4	4	5	4	5	4
21	VAK19CS021	JYOTHIRMAYI S L	4	4	5	5	4	3
22	VAK19CS022	KRISHNA B NAIR	3	3	4	4	4	4

5	Strongly Agree
4	Agree
3	Neutral
2	Disagree
1	Strongly Disagree

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24	VAK19CS024	MUHAMMAD NAZEEM N	5	5	3	3	4	5
25	VAK19CS025	NIRANJAN S S	4	5	4	4	5	4
26	VAK19CS026	RAJA LAKSHMI J	5	5	5	5	3	4
27	VAK19CS027	SALU J SUMAN	5	4	4	5	2	3
28	VAK19CS028	SANDRA S P	4	4	4	4	2	4
30	VAK19CS030	SREELEKSHMI B S	4	3	3	4	4	5
31	VAK19CS031	ULLAS J S	3	4	4	3	2	1
32	LVAK19CS032	ANJANA A R	4	4	5	4	1	4
33	LVAK19CS033	ANJU S R	4	5	4	4	4	5
34	LVAK19CS034	ARSHA RAJ	5	5	5	4	5	5
35	LVAK19CS035	ARYA ANIL	5	4	5	3	5	4

Target attainment Marks	4	4	4	4	4	4
Total no of Students scored more than target	27	27	22	25	19	22
Percentage Students scored more than target	87.1	87.1	71.0	80.6	61.3	71.0
Total No of Students	31					
Target	**80**					

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Bench Mark attainment	Attainment
Less than 60% of students attaibed the target	0
60 to 69% of students attained the target	1
70 to 79% of students attained the target	2
More than 80% of students attained the target	3
Not Applicable	-

Indirect Attainment	CO1	3
	CO2	3
	CO3	2
	CO4	3
	CO5	1
	CO6	2

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VIDYA ACADEMY OF SCIENCE & TECHNOLOGY TECHNICAL CAMPUS

Kilimanoor, Thiruvanathapuram

Department of Computer Science & Engineering

University Examination

Subject Name & Code	CST 372 DATA AND COMPUTER COMMUNICATION

Sl.No	Reg.No	Name	Grade
1	VAK19CS001	AADIL MUHAMMAD A	D
2	VAK19CS002	ABDULLA HASHIM	C+
3	VAK19CS003	ABHINAND J S	P
4	VAK19CS004	ADITHYA PUSHPARAJ	C+
5	VAK19CS005	AKHIL PRADEESAN	P
6	VAK19CS006	AKSHAYA PRATHAP	B+
8	VAK19CS008	AMAL PRASAD	C
10	VAK19CS010	ARUN NAMBI	P
11	VAK19CS011	ASHIK MOHAMMED S	F
12	VAK19CS012	ASHISH PRASANNAN	P
13	VAK19CS013	BIBIN BINU	P
14	VAK19CS014	DEVANAND AL	B
16	VAK19CS016	FAIZAL SHANAVAS PUTHIYAVEETIL	B+
17	VAK19CS017	FARZANA S	C
18	VAK19CS018	GAYATHRI S K	D
19	VAK19CS019	IRFANA S	D
20	VAK19CS020	JITHIN MADHAV	F
21	VAK19CS021	JYOTHIRMAYI S L	B
22	VAK19CS022	KRISHNA B NAIR	C+
23	VAK19CS023	KRISHNAPRASAD P A	P
24	VAK19CS024	MUHAMMAD NAZEEM N	D
25	VAK19CS025	NIRANJAN S S	D

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26	VAK19CS026	RAJA LAKSHMI J	B
27	VAK19CS027	SALU J SUMAN	P
28	VAK19CS028	SANDRA S P	C+
30	VAK19CS030	SREELEKSHMI B S	A
31	VAK19CS031	ULLAS J S	F
32	LVAK19CS032	ANJANA A R	A+
33	LVAK19CS033	ANJU S R	B+
34	LVAK19CS034	ARSHA RAJ	A+
35	LVAK19CS035	ARYA ANIL	A

No. of Students Above Target	28
Total No of Students	31
Percentage of Students Above Target	90.3
No. of Students Below Target	3
Target	P

Bench Mark attainment	**Attainment**
Less than 60% of students attaibed the target	0
60 to 69% of students attained the target	1
70 to 79% of students attained the target	2
More than 80% of students attained the target	3
Not Applicable	-

CO Attainment	3

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VIDYA ACADEMY OF SCIENCE & TECHNOLOGY TECHNICAL CAMPUS
Kilimanoor, Thiruvanathapuram
Department of Computer Science & Engineering

Final Attainment

Subject Code & Name			CST 372 DATA AND COMPUTER COMMUNICATION					
	IE1	IE2	Assign 1	Assign 2	Attendane	INT	UNI	Final Indirect course attainment calculation
CO1	3	-	-	-	3	2.1	3	3.00
CO2	0	-	3	-	2	1.3	3	3.00
CO3	-	-	-	-	3	0.6	3	2.00
CO4	0	3	-	-	-	-	3	3.00
CO5	-	3	-	3	1	2.6	3	1.00
CO6	-	3	-	-	3	2.1	3	2.00
CO Attainment						1.74	3.00	2.33
Weightage(INT & UNI)						30	70	
Total Attainment (INT & UNI)						0.52	2.10	
Final Direct CO Attainment						2.62		
Weightage(Direct and Indirect)						80		20
Total Attainment (Direct and Indirect)						2.10		0.47
Final CO Attainment						2.56		

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VIDYA ACADEMY OF SCIENCE & TECHNOLOGY TECHNICAL CAMPUS
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Department of Computer Science & Engineering

CO-PO/PSO Attainment																
Subject Code & Name	CST 372 DATA AND COMPUTER COMMUNICATION															
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4
CO1	1	1	2	3	-	2	2	1	2	2	-	2	-	3	3	-
CO2	3	3	2	2	-	1	-	2	-	2	2	1	-	-	3	-
CO3	1	2	3	2	-	-	1	-	-	-	3	-	-	2	3	2
CO4	-	2	2	2	3	-	-	2	-	-	2	1	-	-	3	-
CO5	-	-	-	-	3	-	1	-	-	2	2	3	-	-	3	-
Average	1.67	2.00	2.25	2.25	3.00	1.50	1.33	1.67	2.00	2.00	2.25	1.75	-	2.50	3.00	2.00
CO-PO-	**1.42**	**1.71**	**1.92**	**1.92**	**2.56**	**1.28**	**1.14**	**1.42**	**1.71**	**1.71**	**1.92**	**1.50**	-	**2.14**	**2.56**	**1.71**

"1" – Slight (Low) Correlation
"2" – Moderate (Medium) Correlation
"3" – Substantial (High) Correlation
"-" indicates there is no correlation.

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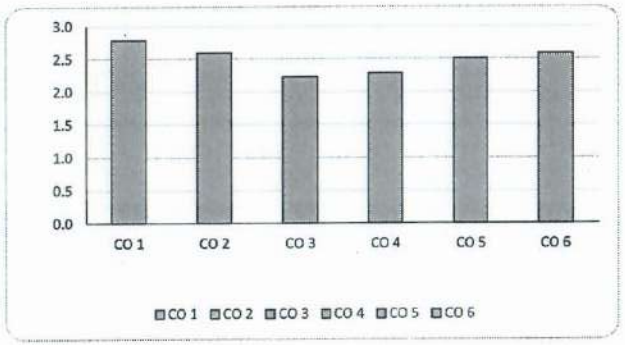
VIDYA ACADEMY OF SCIENCE & TECHNOLOGY TECHNICAL CAMPUS
Kilimanoor, Thiruvanathapuram
Department of Computer Science & Engineering

Final Attainment

Subject Code & Name	CST 372 DATA AND COMPUTER COMMUNICATION		
COURSE OUTCOME	TARGET	ATTAINMENT	CO ATTAINMENT GAP
CO 1	2	2.8	0.8
CO 2	2	2.6	0.6
CO 3	1.5	2.2	0.7
CO 4	1.5	2.3	0.8
CO 5	1.9	2.5	0.6
CO 6	1.4	2.6	1.2



COURSE OUTCOME	ACTION PROPOSED TO BRIDGE THE GAP
CO 1	
CO 2	
CO 3	
CO 4	
CO 5	
CO 6	

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VIDYA ACADEMY OF SCIENCE & TECHNOLOGY TECHNICAL CAMPUS (A unit of Vidya International Charitable Trust, Thrissur)
Kilimanoor, Malakkal P.O, Trivandrum

Vidya Academy of Science and Technology Technical Campus, Kilimanoor
Department of Civil Engineering

Module Coverage Status - EVEN SEM (2021-22)

(Pl.Enter the module coverage in percentage - Ex. 50% of 1st module= 0.5, 2module and 70% in 3rd module = 2.7 like that)

S2

Sl.No.	Subject Code & Name	Faculty Incharge	30/04/22	Class Tests conducted upto 30/04/22	16/05/22	30/05/22	Class Tests conducted upto 30/05/22	16/06/22	30/06/22	Class Tests conducted upto 30/06/22	14/07/22	20/07/22	Class Tests conducted upto 20/07/22	Remarks
1	MAT 102 VECTOR CALCULUS, DIFFERENTIAL EQUATIONS AND	Ms. Soumya BK	0.7	**0**	1.3	2	**1**	2.7	3.8		4.75	5	**5**	
2	CYT 100 ENGINEERING CHEMISTRY	Ms. Anchu ES	0.6	1	1.5	2	3	3.24	4.25	4	5	7	5	
3	EST 110 ENGINEERING GRAPHICS	Mr. Sreejith S Nair	0.7	1	2	2	2	3	4.25	3	4.6	5	4	
4	EST 120 BASICS OF CIVIL ENGINEERING	Ms. Keerthi Devi I S	-	0	0.6	1	0	1.5	2	2.5	2.75	3	3	
5	EST 120 BASICS OF MECHANICAL ENGINEERING	Mr.Gokul Biju	1	0	1.5	2	0	2	2	0	2.5	3	3	
6	HUN 102 PROFESSIONALCOMMUNICATION	Ms. Rajeswari Gangadharan	0.75	0	2	2.25	0	3	5	1	5	5	2	
7	EST 102 PROGRAMMING IN C	Ms. Revathy Prasannan	0.6	0	1.1	1.4	1	2.5	3.4	2				

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Sl.No.	Subject Code & Name	Faculty Incharge	30/04/22	Class Tests conducted upto 30/04/22	16/05/22	30/05/22	Class Tests conducted upto 30/05/22	16/06/22	30/06/22	Class Tests conducted upto 30/06/22	14/07/22	30/07/22	Class Tests conducted upto 30/07/22	Remarks
1	MAT202 PROBABILITY, STATISTICS ANDNUMERICAL METHODS	Ms. Mariyambeevi	0.1	0	0.2	1	**1**	1.8	2.7	**1**	3.7			
2	CET202 ENGINEERING GEOLOGY	Ms. Meenu Rachel Jose	0.1	0	0.2	1.3	1	2.2	3	1	5	5	4	
3	CET204 GEOTECHNICAL ENGINEERING – I	Ms. Fathima Sherin T	0.1	0	0.3	1.4	1	2.2	3	2	4.2			
4	CET206 TRANSPORTATION ENGINEERING	Ms. Rini Madhavan Rajeev	0.1	0	0.4	1.4	1	2.5	3	1	5			
5	HUT200 PROFESSIONAL ETHICS	Ms. Midhila M	0.1	0	0.4	1.45	0	3	3.6	1	5	5	2	
6	MCN202 CONSTITUTION OF INDIA	Mr. K.Vijayakumar	0.1	0	1	1.25	1	2.5	4		5			

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Sl.No.	Subject Code & Name	Faculty Incharge	30/04/22	Class Tests conducted upto 30/04/22	16/05/22	30/05/22	Class Tests conducted upto 30/05/22	16/06/22	30/06/22	Class Tests conducted upto 30/06/22	14/07/22	23/07/22	Class Tests conducted upto 23/07/22	Remarks
1	CET302 STRUCTURAL ANALYSIS – II	Ms. Midhila M	0.25	0	0.5	1	1	2.5	3.6	1	4.5	5	2	
2	CET304 ENVIRONMENTAL ENGINEERING	Ms. Fathima Sherin T	0.3	0	0.6	2	1	2.6	3.5	1	4.5	5		
3	CET306 DESIGN OF HYDRAULIC STRUCTURES	Ms. Keerthi Devi I S	-	0	0.2	0.5	0	2.5	3.5	0	5	5	2	Joining date: 12/05/2022
4	CET352 ADVANCED CONCRETE TECHNOLOGY	Mr. Lenin Babu S	0.1	0	0.5	1.5	1	2.5	3.7	1	5	5	2	
5	CET362ENVIRONMENTAL IMPACT ASSESSMENT	Ms. Sethuparvathy S	0.1	0	0.5	1.5	1	2.4	3.6	1	5	5	2	
6	HUT300 INDUSTRIAL ECONOMICS & FOREIGN TRADE	Ms. Raji B	0	0	0.4	0.9	1	3						

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Sl.No.	Subject Code & Name	Faculty Incharge	21/04/22	Class Tests conducted upto 21/04/22	03-05-22	16/05/22	Class Tests conducted upto 16/05/22	26/05/22	4/6/22	Class Tests conducted upto 4/6/22	Remarks
1	CE 402 ENVIRONMENTAL ENGINEERINGII	Ms. Swathykrishna VR	1.75	0	2.5	3	1	4.5			
2	CE 404 CIVIL ENGINEERING PROJECT MANAGEMENT	Ms. Sethuparvathy S	1.9	0	2.1	3	1	4.5			
3	CE 472 TRANSPORTATION PLANNING	Mr. Hariprasad	2	0	2.3	3	0	4.5	6	0	
4	CE 474 MUNCIPAL SOLID WASTE MANAGEMENT	Mr. Lenin babu S	2	0	2.25	3	0	4.5			
5	BT 484 SUSTAINABLE ENERGY PROCESS	Ms. Rini Madhavan Rajeev	2	0	2.25	3		5			

Vidya Academy of Science and Technology Technical Campus, Kilimanoor

Department of Mechanical Engineering

Module Coverage Status - EVEN SEM (2021-22)

(Pl.Enter the module coverage in percentage - Ex. 50% of 1st module= 0.5, 2module and 70% in 3rd module = 2.7 like that)

S2

Sl.No.	Subject Code & Name	Faculty Incharge	30/04/22	Class Tests conducted upto 30/04/22	16/05/22	30/05/22	Class Tests conducted upto 30/05/22	16/06/22	30/06/22	Class Tests conducted upto 30/06/22	14/07/22	20/07/22	Class Tests conducted upto 20/07/22	Remarks
1	MAT 102 VECTOR CALCULUS, DIFFERENTIAL EQUATIONS AND TRANSFORMS (VRC)	Ms. Jayanthi L.S	0.8	**1**	1.5	2	**1**	2.8	3.8	**2**	4	5	**5**	
2	CYT 100 ENGINEERING CHEMISTRY (CHE)	Ms. Anchu. E. S (ANU)	0.6	1	1.5	2	3	3	4.25	4	5	5	7	
3	EST 110 ENGINEERING GRAPHICS (EG)	Mr. Midhun S S (MSS)	0.4	1	1.5	2	1	2.75	4.25	2	4.5	5	4	
4	EST 120 BASICS OF CIVIL ENGINEERING (BCE)	Ms. KeerthiDevi	-	0	0.25	1	0							
5	EST 120 BASICS OF MECHANICAL ENGINEERING (BME)	Mr. Prasanth B Chandran (PBC)	0.4		0.75	1.5	1	1.75	2.5	4	2.75	3	7	
6	HUN 102 PROFESSIONAL COMMUNICATION (PC)	Mr. Dheeraj K.M. (DKM)	0.7	1	1.5	2	1	3	4			5		
7	EST 102 PROGRAMMING IN C (CP)	Ms. Anju Vikraman (AV)	0.5	0	1	1.5	3	2.7	3.5	4	4.3	5	9	

S4

Sl.No.	Subject Code & Name	Faculty Incharge	30/04/22	Class Tests conducted upto 30/04/22	16/05/22	30/05/22	Class Tests conducted upto 30/05/22	16/06/22	30/06/22	Class Tests conducted upto 30/06/22	14/07/22	30/07/22	Class Tests conducted upto 30/07/22	Remarks
1	MCN 202 CONSTITUTION OF INDIA	Mr. Gokul Biju	0.4	**0**	1	1.5	1	2.75	4	**1**	5	5	**4**	
2	MAT202 PROBABILITY DISTRIBUTIONS,STATISTICS AND NUMERICAL METHODS	Ms.Vigitha Vidyadhar	0.1	0	0.6	1.5	1	3	3.2	1	4	5	4	
3	MET 202 Engineering Thermodynamics	Mr Naveen B	0.4	0	0.8	1.2	1	3	3.4	1	4	5	5	
4	MET 204 Manufacturing Process	Mr. Dheeraj K M	0.4	0	1	1.5	1	2.75	3.2	1	4	5	4	
5	MET 206 Fluid Machinery	Mr Robin David	0.5	0	1	1.5	1	3.25	3.5	1	4	5	4	
6	EST 200 Design Engineering	Mr. Sajith Krishnan R	0.6	0	1	2	1	3	3.7	1	4	5	2	

S6

Sl.No.	Subject Code & Name	Faculty Incharge	30/04/22	Class Tests conducted upto 30/04/22	16/05/22	30/05/22	Class Tests conducted upto 30/05/22	16/06/22	30/06/22	Class Tests conducted upto 30/06/22	14/07/22	23/07/22	Class Tests conducted upto 23/07/22	Remarks
1	MET 302 HEAT & MASS TRANSFER (HMT)	Mr. Prasanth B Chandran (PBC)	0.4	0	1	2	1	2.75	3.4	3	4.25	5	5	
2	MET 304 DYNAMICS AND DESIGN OF MACHINERY (DOM)	Mr. Sajith Krishnan R (SKR)	0.5	0	1.2	1.5	1	2.5	3.6		4	5	5	
3	MET 306 ADVANCED MANUFACTURING ENGINEERING (AME)	Mr. Unnikrishnan M A (UKM)	0..4	0	1.6	2	1	3	3.75		4	5	4	
4	NON DESTRUCTIVE TESTING (NDT) (Elective 1 - Batch 1)	Mr. Ajayakumar A G (AKG)	0.5	0	1	2	1	3	3.5		4	5	2	
5	ADVANCED METAL JOINING TECHNIQUES (AMJT) (Elective1 - Batch 2)	Mr. Bijeesh P. (BHP)	0.5	0	1	1.5	1	3.25	3.5		4	5	2	

6	MANAGEMENT FOR ENGINEERS (MFE)	Mr. Gokul Biju	0.6	0	1.5	2	1	3	3.4	2	4	5	3	

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Sl.No.	Subject Code & Name	Faculty Incharge	21/04/22	Class Tests conducted upto 21/04/22	03-05-22	16/05/22	Class Tests conducted upto 16/05/22	26/05/22	4/6/22	Class Tests conducted upto 4/6/22	Remarks
1	ME 402- Design of Machine Elements 2	Mr. Sreejith S Nair	1.8	1	3.5	5	2	5.2	6	3	
2	ME 404- Industrial Engineering	Mr. Midhun S S	2	1	3.5	5	2	5.6	6	3	
3	BT-362 Sustainable Energy Process	Mr.Ajayakumar	2.1	1	3.5	5	2	5.5	6	3	
4	ME 462 Propulsion Engineering (PE)	Mr. Robin David	2.5	1	4	5	2	5.5	6	3	
5	ME476 Material Handling & Facilities Planning	Mr. Naveen B	1.7	1	4	5	2	5.2	6	3	

Vidya Academy of Science and Technology Technical Campus, Kilimanoor
Department of Electrical and Electronics Engineering

Module Coverage Status - EVEN SEM (2021-22)

(Pl.Enter the module coverage in percentage - Ex. 50% of 1st module= 0.5, 2module and 70% in 3rd module = 2.7 like that)

S2

Sl.No.	Subject Code & Name	Faculty Incharge	30/04/22	Class Tests conducted upto 30/04/22	16/05/22	30/05/22	Class Tests conducted upto 30/05/22	16/06/22	30/06/22	Class Tests conducted upto 30/06/22	14/07/22	20/07/22	Class Tests conducted upto 20/07/22	Remarks
1	MAT 102 VECTOR CALCULUS, DIFFERENTIAL EQUATIONS AND	Ms. Mariyambeevi	0.25	**0**	1.5	1.6	**0**	2.1	3.1		4.1	4.75	**5**	
2	EST 100 Engineering Mechanics	Hariprasad	0.25	0	0.75	1.5	1	2	4	1	4.25	4.5		
3	Engineering Physics	Ms Gouri	0	0	0	1	0	2	2.8	1	4	4.5	6	
4	EST130 BASICS OF ELECTRONICS ENGINEERING	Ms.Preetha R	0.25	0	0.4	0.8	0	1.25	2	1	2.5	3	4	
5	Basics of Electrical Engineering(EST130)	Ms. Jumana Beegum N S	0.6	0	0.9	1.2	1	1.8	2.1	1	2.8	3	4	
6	Programming in C(EST 102)	Ms. Ansha Shakkeer	0.8	1	1.3	1.5	1	2.1	3	1	3	5	5	
7	Professional Communication(HUN 102)	Ms. Asna S Asok	0.75	0	1.6	2.5	1	4	5	2	5	5	3	

S4

Sl.No.	Subject Code & Name	Faculty Incharge	30/04/22	Class Tests conducted upto 30/04/22	16/05/22	30/05/22	Class Tests conducted upto 30/05/22	16/06/22	30/06/22	Class Tests conducted upto 30/06/22	14/07/22	30/07/22	Class Tests conducted upto 30/07/22	Remarks
1	Probability , Random process and numerical methods(PRNM)	Ms. Soumya BK(SBK)	0.2	**0**	0.7	1.2	**0**	1.8	2.7	**2**	3.75	5		
2	DC machines and Transformers(DCM)	Mr. Ranjith M(RM)	0.2	0	0.8	1.4	1	3.25	3.6	3	4.7	5	6	
3	Electromagnetic theory(EMT)	Ms. Sajina S (SAS)	0.2		0.8	1.8	1	2.5	3	3	4.8	5	7	
4	Digital Electronics(DE)	Ms. Anjala SS(AS)	0.2	0	0.7	1.4	2	2.8	3.1	2	4.5	4.8		
5	Professional Ethics(PE)	Ms. Divya Sabu (DSB)	0.2	0	0.75	1.8	1	3.25	4	3	5	5		
6	Constitution of India(CI)	Ms. Jumana Beegum (JUM)	0.2	0	0.5	1.5	0	2.5	3.2	2	4.5	5	2	

S6

Sl.No.	Subject Code & Name	Faculty Incharge	30/04/22	Class Tests conducted upto 30/04/22	16/05/22	30/05/22	Class Tests conducted upto 30/05/22	16/06/22	30/06/22	Class Tests conducted upto 30/06/22	14/07/22	23/07/22	Class Tests conducted upto 23/07/22	Remarks
1	LINEAR CONTROL SYSTEMS (EET302)	Ms. Liji Ramesan Santhi	0.75	0	1	2	1	3	3.6	3	5	5	6	
2	POWER SYSTEM II (EST 304)	Ms. Asna S Asok	0.5	0	0.8	2	1	3	3.6	3	5	5	6	
3	POWER ELECTRONICS (EET306)	Ms. Indhulekha Jayachandran	0.5	0	1	2		2.9	4	2	5	5	6	
4	BIOMEDICAL INSTRUMENTATION	Dr Pravin Rose T	0.5	0	1.5	2	1	3	3.5	3	5	5	6	
5	MANAGEMENT FOR ENGINEERS	Ms Divya Sabu	0.5	0	0.8	2	0	3	3.5	3.5	5	5	6	

6	COMPREHENSIVE COURSE	M. Jumana Beegum N S	0.5	0	0.8	1.5	0	2.5	3.85	0	5	5	0	

S8

Sl.No.	Subject Code & Name	Faculty Incharge	21/04/22	Class Tests conducted upto 21/04/22	03-05-22	16/05/22	Class Tests conducted upto 16/05/22	26/05/22	4/6/22	Class Tests conducted upto 4/6/22	Remarks
1	Special Electrical Machines (EE402)	Mr. Ranjith M	2.2	1	3.5	4.5	2	5.3	6	3	
2	Industrial Instrumentation & Automation(EE404)	Ms. Liji Ramesan Santhi	2.8	2	4	4.5	3	5.5	6	3	
3	Energy Management and Auditing(EE474)	Ms. Anjala S S	2.5	1	4	5	2	5.5	6	3	
4	Disaster Management(CE488)	Ms. Sajina S	1.8	1	4	5	2	5.2	6	3	

Vidya Academy of Science and Technology Technical Campus, Kilimanoor

Department of Electronics and Communication Engineering

Module Coverage Status - EVEN SEM (2021-22)

(Pl.Enter the module coverage in percentage - Ex. 50% of 1st module= 0.5, 2module and 70% in 3rd module = 2.7 like that)

S2

Sl.No.	Subject Code & Name	Faculty Incharge	30/04/22	Class Tests conducted upto 30/04/22	16/05/22	30/05/22	Class Tests conducted upto 30/05/22	16/06/22	30/06/22	Class Tests conducted upto 30/06/22	14/07/22	20/07/22	Class Tests conducted upto 20/07/22	Remarks
1	MAT102 VECTOR CALCULUS ,DIFFERENTIAL EQUATION AND TRANSFORMS	Ms.Vigitha Vidyadhar	0.5	**0**	1.2	2	**1**	2.5	3	**1**	4	5	**5**	
2	PHT100 ENGINEERING PHYSICS	Ms. Gouri LR				0.75	0	2	2.9	1	4	5	6	
3	EST100 ENGINEERING MECHANICS	Ms. Meenu Rachel Jose	0.25	0	0.9	1.2	0	2	2.8	1	4.5	5	5	
4	EST 102 PROGRAMING IN C	Mr. Suraj SR	0.8	1	1	1.2	1	2	3.5	1	4.7	5	4	
5	EST130 BASIC OF ELECTRICAL ENGINEERING	Ms. Jumana Beegum N S	0.5	0	0.9	1.2	1	1.8	2.2	1	2.7	2.9	3	
	EST130 BASIC OF ELECTRONICS ENGINEERING	Dr. Neethu Raj R.	0.3	0	0.75	1	3	1.8	2.2	2	3	3	6	
6	HUN 102 PROFESSIONAL COMMUNICATION	Ms. Meenu S Nair	1	0	2	2.8	1	4	4.3	1	4.8	5	3	

S4

Sl.No.	Subject Code & Name	Faculty Incharge	30/04/22	Class Tests conducted upto 30/04/22	16/05/22	30/05/22	Class Tests conducted upto 30/05/22	16/06/22	30/06/22	Class Tests conducted upto 30/06/22	14/07/22	30/07/22	Class Tests conducted upto 30/07/22	Remarks
1	EST 200 DESIGN AND ENGINEERING	Ms. Aswani S	0.2	**0**	0.5	1.9	**1**	2.5	3.6	**1**	5	5	**2**	
2	MAT 204 Probability, Random Process and Numerical Methods	Ms Saritha. U. M	0.1	0	0.4	1.2	1	2.5	3.25	2	5	5	8	
3	ECT 202 Analog Circuits	Mr. Chandu C.B	0.2	0	0.7	1.1	1	2	2.5	2	4	5	4	
4	ECT 204 Signals and Systems	Ms. Preetha R	0	0	0.2	0.6	1	1.7	3	2	4.25	5	10	
5	ECT 206 Computer Architecture and Microcontrollers	Ms. Bhavya V	0	0	0.1	0.7	1	2	3	2	4	5	6	
6	MCN 202 CONSTITUTION OF INDIA	Ms. Meenu S Nair	0.2	0	0.8	2.3	1	2.6	3	1	3.5	5	2	

S6

Sl.No.	Subject Code & Name	Faculty Incharge	30/04/22	Class Tests conducted upto 30/04/22	16/05/22	30/05/22	Class Tests conducted upto 30/05/22	16/06/22	30/06/22	Class Tests conducted upto 30/06/22	14/07/22	23/07/22	Class Tests conducted upto 23/07/22	Remarks
1	ECT 302 ELECTROMAGNETICS	Ms. Sreejitha S G (SRE)	0	0	0.5	1	1	1.75	2.5	1	4	5	8	
2	ECT 304 VLSI CIRCUIT DESIGN	Ms Anjana N(AJN)	0.7	0	1.3	2	1	3.2	4.2	2	4.7	5	8	
3	ECT 306 INFORMATION THEORY AND CODING	Ms. Niraja J Shenoy(NJS)	0.3	0	1	2	1	3	3.6	2	4.2	5	8	

4	ECT 362 INTRODUCTION TO MEMS	Ms. Aswani S	0.3	0	0.9	2	1	3.1	4.1	2	5	5	6	
5	HUT 300 Industrial Econimics and Foreign Trade	Ms. Raji B	0.6	0	0.9	1	1	3.1						
6														

S8

Sl.No.	Subject Code & Name	Faculty Incharge	21/04/22	Class Tests conducted upto 21/04/22	03-05-22	16/05/22	Class Tests conducted upto 16/05/22	26/05/22	4/6/22	Class Tests conducted upto 4/6/22	Remarks
1	EC 402 Nanoelectronics	Ms. Anjana. N	2.2	0	3.8	4.8	1	4.9	6	2	
2	EC 404 Advanced Communication System	Ms. Niraja J Shenoy	2.2	0	2.8	4.8	1	5	6	2	
3	EC 468 Secure Communication	Ms. Sreejitha S.G	3	0	3	5	2	6	6	2	
4	BM 482 Biomedical Instrumentation	Mr. Chandu C.B	2	0	3	5	1	5.5	6	2	

Vidya Academy of Science and Technology Technical Campus, Kilimanoor
Department of Computer Science and Engineering

Module Coverage Status - EVEN SEM (2021-22)

(Pl.Enter the module coverage in percentage - Ex. 50% of 1st module= 0.5, 2module and 70% in 3rd module = 2.7 like that)

S2

Sl.No.	Subject Code & Name	Faculty Incharge	30/04/22	Class Tests conducted upto 30/04/22	16/05/22	30/05/22	Class Tests conducted upto 30/05/22	16/06/22	30/06/22	Class Tests conducted upto 30/06/22	14/07/22	20/07/22	Class Tests conducted upto 20/07/22	Remarks
1	MAT102 Vector Calculus, Differential Equations and Transforms(VRC)	Ms.Saritha U M(SUM)	0.75	**0**	1	2	**2**	2.8	3.5	**2**	4	5	**8**	
2	PHT 110 Engineering Physics(EP)	Ms Gouri L R			0.5	1	0	2	3	1	4.2	4.5	6	
3	EST 100 Engineering Mechanics(EM)	Ms.Swathy Krishna V R(SVR)	0.4	0	0.7	1.2	1	2	2.8	1	3	3.5	5	
4	Computer Programming	Ms. Divya M K	0.75	0	1	1.5	0	2	3.5	2	4.5	5	4	
5	EST130 Basics of Electrical Engineering(BEE)	Ms.Indulekha Jayachandran(ILJ)	0.5	0	1	1.8	0	2.1	2.8	1	3	3	2	
6	EST130 Basics of Electronics Engineering(BEC)	Ms. Bhavya V	0	0	0.5	1	0	1.2	2	1	3	3	4	
7	HUN 102 Professional Communication(PC)	Ms.Rajeswari Gangadharan(RGN)	0.75	0	2	2.25	0	3	4.5	1	5	5	2	

S4

Sl.No.	Subject Code & Name	Faculty Incharge	30/04/22	Class Tests conducted upto 30/04/22	16/05/22	30/05/22	Class Tests conducted upto 30/05/22	16/06/22	30/06/22	Class Tests conducted upto 30/06/22	14/07/22	30/07/22	Class Tests conducted upto 30/07/22	Remarks
1	MAT 206 Graph Theory (GT)	Ms K S Anusree	0.3	**0**	1	1.8	**0**	2.8	3.9	**1**	4.6	5	**4**	
2	CST 202Computer Organization and Architeture (COA)	Dr.C.Brijilal Ruban	0.3	0	0.9	2	1	3.3	4	1	4.8	5	5	
3	CST 204 Database Management System	Ms Beena V R	0.2	0	0.8	1.8	1	2.7	3.8	2	4.7	5	5	
4	CST 206 Operating Systems (OS)	Ms Athulya Kamalahasan	0.2	0	1	2	1	2.8	4	1	4.8	5	5	
5	HUT 200 Professional Ethics (PE)	MS Divya M K	0.2	0	0.5	1	0	2.5	3.8	0	5	5	4	
6	MCN 202 CONSTITUTION OF INDIA	Ms.Meenu S Nair	0.2	0	0.7	2.2	1	2.4	3.6	1	4.2	5	3	

S6

Sl.No.	Subject Code & Name	Faculty Incharge	30/04/22	Class Tests conducted upto 30/04/22	16/05/22	30/05/22	Class Tests conducted upto 30/05/22	16/06/22	30/06/22	Class Tests conducted upto 30/06/22	14/07/22	23/07/22	Class Tests conducted upto 23/07/22	Remarks
1	CST 302 Compiler Design	Ms.Ansha Shakkeer	0.5	0	1	1.5	1	2.5	3.9	2	4.4	5	5	
2	CST 304 Computer Graphics and Image Processing	Ms.Anusree KS	0.5	0	1	1.5	0	2.5	3.9		4.4	5	5	
3	CST 306 Algorithm analysis & Design(AAD)	Ms.Anju Vikraman	0.5	0	1	1.5	1	2.8	3.9	2	4.3	5	8	
4	CST 372 Data and Computer Communication	Ms.Krishna L	0.5	0	1.1	1.6	1	2.8	3.9	2	4.4	5	7	
5	HUT 300 Industrial Economics and Foreign Trade	Ms.Raji	0.5	0	1	1.5	1	2.8						

6														
Sl.No.	**Subject Code & Name**	**Faculty Incharge**	**21/04/22**	**Class Tests conducted upto 21/04/22**	**03-05-22**	**16/05/22**	**Class Tests conducted upto 16/05/22**	**26/05/22**	**4/6/22**	**Class Tests conducted upto 4/6/22**	**Remarks**			
S8														
1	CS402 Data mining and warehousing	Ms. Krishna L	3	1	3.5	4.5	1	5.5	6					
2	CS 404 Embeded System	Ms. Athulya Kamalasannan	2.9	0	3.3	3.9	1	5.5	6					
3	CS 472 Principles of Information Security(PIS)	Mr. Suraj SR	2.8	0	3.6	4	1	5.6	6	2				
4	BT 362 Sustainable Energy Process	Ms. Revathy Prasannan	2.2	1	3.5	3.9	1	5.5	6					

Vidya Academy of Science and Technology Technical Campus, Kilimanoor

Department of Civil Engineering

Module Coverage Status - ODD SEM (2021-22)

(Pl.Enter the module coverage in percentage - Ex. 50% of 1st module= 0.5, 2module and 70% in 3rd module = 2.7 like that)

S1

Sl.No.	Subject Code & Name	Faculty Incharge	13/12/21	Class Tests conducted upto 13/12/21	10-01-22	25/01/22	Class Tests conducted upto 25/01/22	09-02-22	22/02/22	Class Tests conducted upto 22/02/22	09-03-22	Class Tests conducted upto 9/03/22	Remarks
1	LACA	Ms Vigitha	0.5	1	1.6	2	3	2.3					
2	Engineering Physics	Mr. Prasanth.V.Pradeep	0.5	1	1.7	2	3	3	4.5	5	5	6	
3	Engineering Mechanics	Ms.Midhila	0.5	1	1.5	2	0	2.5	3	1	3.5		
4	Basics of Electrical Engineering	Ms.Anjala	0.5		0.8	1	1	1.3					
5	EST 130 Basics of Electronics Engineering (BEC)	Ms. Aswathi V Nair	0.35	0	0.8	1.3	1	1.7					
6	Life Skills	Rajeswari Gangadharan	0	0	0	0.25	0	0.5	1	1	1.5	1	

S3

Sl.No.	Subject Code & Name	Faculty Incharge	29/11/21	Class Tests conducted upto 29/11/21	10-12-21	23/12/21	Class Tests conducted upto 23/12/21	10-01-22	25/01/22	Class Tests conducted upto 25/01/22	09-02-22	26/02/22	Class Tests conducted upto 26/02/22	Remarks
1	Differential Equation and Complex Analysis	Saritha UM	0.75	0	1.25	1.75	2	2	2.1	2	2.5			
2	Mechanics of Solids	Swathy krishna	0.75	0	1.5	1.7	1	2	2.5	1	3			
3	Fluid Mechanics	Midhila	0.25	0	0.75	1	1	1.5	2	1	2.75	4.75	1	
4	Design Engineering	Lenin Babu	0.5	0	1.5			2			2.75			
5	Surveying and Geomatics	Jayita V Mohan	0.75	0	1.25	1.4	1	1.8	2.3	1	2.7	4.1	1	
6	Sustainable Engineering	Fathima Sherin T	0.75	0	1.1	1.75		1.9	2		2.6	4.8		

S5

Sl.No.	Subject Code & Name	Faculty Incharge	29/11/21	Class Tests conducted upto 29/11/21	10-12-21	23/12/21	Class Tests conducted upto 23/12/21	10-01-22	25/01/22	Class Tests conducted upto 25/01/22	09-02-22	26/02/22	Class Tests conducted upto 26/02/22	Remarks
1	Structural Analysis	Preema	-	-	0.5	1		1.5	2		2.5			Joining date 09/12/2021
2	Design of Concrete Structures	Hariprasad T R	0.5	0	1.5	2	1	2.5	3	1	3.5	5	2	
3	Geotechnical Engg II	Rini Madhavan Rajeev	0.5	0	0.75	1.5	1	2	2.2	2	2.7	4.5	2	
4	Hydrology and Water Resources Engg	Fathima Sherin T	0.5	0	1	1.25	1	1.8	2.2	1	2.8	4.5	1	
5	Construction Technology and Management	Meenu Rachel Jose	0.5	0	0.75	1	1	1.5	2.3	1	3	4.5	1	
6	Disaster Management	Lenin babu	0.5		1.25			2			2.75			

S7

Sl.No.	Subject Code & Name	Faculty Incharge	16/10/21	Class Tests conducted upto 16/10/2021	29/10/21	10-11-21	Class Tests conducted upto 10/11/21	25/11/21	6/12/21	Class Tests conducted upto 6/12/21	17/12/21	09-01-22	Class Tests conducted upto 9/01/22	Remarks
1	Design of steel Structures	Prof. K.Vijayakumar			0.5	0.5	0	0.75	1	1	1.75	4.5		
2	Structural Analysis III	Preema									1.5	4.75		Date of joining 09/12/2021
3	Environmental Engineering I	Ms. Swathy Krishna VR	0.5	0	1	1.3	1	1.6	2	1	3	6		
4	Transportation Engineering II	Ms. Meenu Rachel Jose	0.25	0	0.5	1.25	1	1.7	2	1	2.5	4.75		
5	Quantity surveying and Valuation	Mr. Lenin Babu S	0.25		0.5	1	1	2	2.5	1	2.75	4		
6	Environmental Impact Assessment	Ms. Rini Madhavan Rajeev	0.5	0	0.75	1	1	1.25	2	1	2.2	5.5	1	
7	Geo Environmental Engineering	Mr. Hariprasad T R	0.5	0	1	1.3	1	1.75	2	1	2.5	5.5	2	

Vidya Academy of Science and Technology Technical Campus, Kilimanoor

Department of Mechanical Engineering

Module Coverage Status - ODD SEM (2021-22)

(Pl.Enter the module coverage in percentage - Ex. 50% of 1st module= 0.5, 2module and 70% in 3rd module = 2.7 like that)

S1

Sl.No.	Subject Code & Name	Faculty Incharge	13/12/21	Class Tests conducted upto 13/12/21	10-01-22	25/01/22	Class Tests conducted upto 25/01/22	09-02-22	22/02/22	Class Tests conducted upto 22/02/22	09-03-22	Class Tests conducted upto 9/03/22	Remarks
1	MAT 101 LINEAR ALGEBRA AND CALCULUS	Ms Saritha U M	0.5	1	1.25	2	**2**	2.2					
2	PHT 110 ENGINEERING PHYSICS	Mr. Prasanth V Pradeep	0.5	1	1.7	2	3	3	4.5	5	5	6	
3	EST 100 ENGINEERING MECHANICS	Mr. Robin David	0.5	1	1.5	1.8	1	2.5					
4	EST 130 BASICS OF ELECTRICAL ENGINEERING	Ms. Jumana Beegum N S	0.5	0	0.8	1		1.6					
5	EST 130 BASICS OF ELECTRONICS ENGINEERING	Ms. Lisha Gopalakrishna Pillai	0.4	0	0.7	1	2	1.4	2.7	3			
6	HUN 101 LIFE SKILLS	Ms. Rajeswari Gangadharan	0.25	0	1.2	1.75	1	2					

S3

Sl.No.	Subject Code & Name	Faculty Incharge	29/11/21	Class Tests conducted upto 29/11/21	10-12-21	23/12/21	Class Tests conducted upto 23/12/21	10-01-22	25/01/22	Class Tests conducted upto 25/01/22	09-02-22	26/02/22	Class Tests conducted upto 26/02/22	Remarks
1	MAT201 PARTIAL DIFFERENTIAL EQUATION AND COMPLEX ANALYSIS (PDCA)	Binsha Salim	0	**0**	0	0.2	**0**	1	1.5	**1**	2.25	4		
2	MET201 MECHANICS OF SOLIDS (MOS)	Mr. Ajayakumar A G (AKG)	0.2	0	1	1.6	1	2	2.25	1	3			
3	MET203 MECHANICS OF FLUIDS (MOF)	Mr. Dheeraj K M (DKM)	0.3	0	0.8	1.7	1	2	2.5	1	3.1			
4	METALLURGY & MATERIAL SCIENCE (MMS)MET205	Unni krishnan M A	0.2	0	0.8			1.5	2		3.3			
5	HUT200 PROFESSIONAL ETHICS (PE)	Unnikrishnan M A						1			3			
6	MCN201 SUSTAINABLE ENGINEERING (SE)	Revathy Prasannan	0.3	0	0.5	0.95	1	1.2	2.5	1	2.9			

S5

Sl.No.	Subject Code & Name	Faculty Incharge	29/11/21	Class Tests conducted upto 29/11/21	10-12-21	23/12/21	Class Tests conducted upto 23/12/21	10-01-22	25/01/22	Class Tests conducted upto 25/01/22	09-02-22	26/02/22	Class Tests conducted upto 26/02/22	Remarks
1	MET301 MECHANICS OF MACHINERY (MOM)	Mr. Dheeraj K M (DKM)	0	0	0.5	0.7	1	1	1.5	1	2.25			Subject assigned on 8/12/2021
2	MET303 THERMAL ENGINEERING (TE)	Mr. Vivek R S (VRS)	0.2	0	1	1.6	1	2	2.5	1	3			
3	MET305 INDUSTRIAL & SYSTEMS ENGINEERING (ISE)	Mr. Sajith Krishnan R (SKR)	0.3	0	1	1.7	1	2	2.25	1	3			
4	MET307 MACHINE TOOLS AND METROLOGY (MTM)	Prasanth B Chandran (PBC)	0	0	0.2	1	1	1.8	2.5	1	3			
5	HUT300 INDUSTRIAL ECONOMICS AND FOREIGN TRADE (IEFT)	New Faculty (NF3)												
6	MCN301 DISASTER MANAGEMENT (DM)	Mr. Naveen B (NB)	0.4	0	0.7	1	0	1.3	2	1	2.75			

S7

Sl.No.	Subject Code & Name	Faculty Incharge	16/10/21	Class Tests conducted upto 16/10/2021	29/10/21	10-11-21	Class Tests conducted upto 10/11/21	25/11/21	6/12/21	Class Tests conducted upto 6/12/21	17/12/21	09-01-22	Class Tests conducted upto 9/01/22	Remarks

1	ME 401 DESIGN OF MACHINE ELEMENTS I	Mr.Sreejith S Nair	0.2	0	0.6	1	1	1.8	2.5	2	2.8	5.5	2	
2	ME403 Advanced Energy Engineering	Mr. Bijeesh P	0.3	0	0.7	1.2	1	1.6	2.1	1	3	5.5	2	
3	ME 405 Refrigeration and Air-conditioning	Midhun S S	0.3	0	0.8	1.1	1	2	2.8	2	4	5.25	2	
4	ME407 Mechatronics (MTS)	Mr. Vivek R S	0	0	0	0.5	0	1.5	2.5	1	3	5	2	
5	ME409 Compressible Fluid Flow (CFF)	Mr. Sajith Krishnan R (SKR)	0	0	0	0.3	0	1.6	2.2	1	3.5	5.5	2	
6	ME465 Industrial Hydraulics (IH)	Mr. Robin David (RD)	0.2	0	0.8	1	1	1.3	2.2	1	3.75	5.75	2	
7	ME467 Cryogenic Engineering (CE)	Mr. Ajayakumar A G (AKG)	0.3	0	0.7	1.2	1	1.4	2.2	1	4	5.75	2	

Vidya Academy of Science and Technology Technical Campus, Kilimanoor

Department of Electrical and Electronics Engineering

Module Coverage Status - ODD SEM (2021-22)

(Pl.Enter the module coverage in percentage - Ex. 50% of 1st module= 0.5, 2module and 70% in 3rd module = 2.7 like that)

S1

Sl.No.	Subject Code & Name	Faculty Incharge	13/12/21	Class Tests conducted upto 13/12/21	10-01-22	25/01/22	Class Tests conducted upto 25/01/22	09-02-22	22/02/22	Class Tests conducted upto 22/02/22	09-03-22	Class Tests conducted upto 9/03/22	Remarks
1	MAT101 Linear Algebra And Calculus (LACA)	Ms. Somya B.(SBK)	0.5	1	1.25	1.75	2	2.2	3.5	**1**			
2	CY100 Engineering Chemistry (CHEM)	Ms.Anchu E.S (AES)	1	1	2	2.5	4	3	4.5	6			
3	EST110 Engineering Graphics (EG)	Mr. Sreejith S Nair (SSN)	0.6	0	1.3	2.5	1	3.5	4.2	2			
4	EST120 Basics of Civil Engineering(BCE)	Fathima Sherin T	0.6	1	1.25	1.5	1	1.7	2.1	1	3	1	
5	EST120 Basics of Mechnical Engineering(BME)	Mr. Prasanth B Chandran (PBC)	0.2	0	0.9	1.3	1	1.6	2.4	1	**2.9**		
6	HUT101 Life Skills (LS)	Ms.Preetha R(PRR)	0.5	0	1.5	2	1	2.5	4.2	1			

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Sl.No.	Subject Code & Name	Faculty Incharge	29/11/21	Class Tests conducted upto 29/11/21	10-12-21	23/12/21	Class Tests conducted upto 23/12/21	10-01-22	25/01/22	Class Tests conducted upto 25/01/22	09-02-22	26/02/22	Class Tests conducted upto 26/02/22	Remarks
1	EET 201 CIRCUITS AND NETWORKS	Ms. Indhulekha Jayachandran	0.1	**0**	0.8	1	**1**	1.4	2.4	**3**	3			
2	EET203 MEASUREMENTS AND INSTRUMENTATION	Ms.Anjala.S.S	0.5	0	1.1		2	1.8		3	2.8			
3	EET205 Analog Electronics	Ms Sajina S	0.5	0	1	1.5	2	1.8	2.6	3	3			
4	PARTIAL DIFFERENTIAL EQUATION AND COMPLEX ANALYSIS	Binsha salim	0	0	0	0.2	0	1	1.5		2.25	4		
5	DESIGN AND ENGINEERING	Ms. Divya Sabu	1	0	1.5	1.75	1	2	2.5	3	2.75			
6	SUSTAINABLE ENGINEERING	Ms Jumana Beegum	1	0	1.4	1.4	1	2	2.5	1	2.8			

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Sl.No.	Subject Code & Name	Faculty Incharge	29/11/21	Class Tests conducted upto 29/11/21	10-12-21	23/12/21	Class Tests conducted upto 23/12/21	10-01-22	25/01/22	Class Tests conducted upto 25/01/22	09-02-22	26/02/22	Class Tests conducted upto 26/02/22	Remarks
1	EET301 POWERSYSTEM 1	Mr Ranjith M	0.6	0	1	1.5	1	2	2.5	2				
2	EET303 MICROPROCESSOR AND MICROCONTROLLER	Ms Jumana Beegum	0.8	0	1	1.4	1	2	2.2	2	2.6			
3	EET305 SIGNALS AND SYSTEMS	Dr Pravin Rose T	0.6	1	1	1.5	2	2	2.5	2	3			
4	EET307 SYNCHRONOUS AND INDUCTION MACHINE	Ms. Liji Ramesan Santhi	0.6	0	1	1.5	1	2	2.5	2	3	5	3	
5	EE310 INDUSTRIAL ECONOMICS AND FOREGN TRADE	Ms Raji		1	0.25			0.8						Joined on 6/12/21
6	MCN 301 DISASTER MANAGEMENT	Ms Mrudula Murukan G	0.5	0	1	1.5	1	2	2.5	2	3			

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Sl.No.	Subject Code & Name	Faculty Incharge	16/10/21	Class Tests conducted upto 16/10/2021	29/10/21	10-11-21	Class Tests conducted upto 10/11/21	25/11/21	6/12/21	Class Tests conducted upto 6/12/21	17/12/21	09-01-22	Class Tests conducted upto 9/01/22	Remarks
1	EE401 Electronic communication(EC)	Ms. Indulekha Jayachandran	0.8	1	1.1	1.8	2	2.1	2.7	2	3.5	6	3	
2	EE 403 Distributed generation and smart grids(DGS)	Ms. Liji Ramesan Santhi	1	1	1.5	2	2	2.4	2.8	2	3.5	6	3	
3	EE405 Electrical system design(ESD)	Mr. Ranjith M	1	1	1.5	2	2	2.3	2.6	2	4	6	3	
4	EE407 Digital signal processing(DSP)	Ms. Divya Sabu	0	0	0.5	1	1	1.5	2	2	3.25	6	3	Rejoined on 18/10/2021
5	EE409 Elecrical machine design(EMD)	Ms. Mrudula Murukan G	0.6	10	1.2	1.8	1	2.1	2.5	2	3.2	6	3	
6	EE465 Power quality(PQ)	Ms. Sajina S	1	1	1.5	2	2	2.5	2.9	2	3.5	6	3	

Vidya Academy of Science and Technology Technical Campus, Kilimanoor

Department of Electrical and Electronics Engineering

Module Coverage Status - ODD SEM (2021-22)

(Pl.Enter the module coverage in percentage - Ex. 50% of 1st module= 0.5, 2module and 70% in 3rd module = 2.7 like that)

S1

Sl.No.	Subject Code & Name	Faculty Incharge	13/12/21	Class Tests conducted upto 13/12/21	10-01-22	25/01/22	Class Tests conducted upto 25/01/22	09-02-22	22/02/22	Class Tests conducted upto 22/02/22	09-03-22	Class Tests conducted upto 9/03/22	Remarks
1	MAT101 Linear Algebra And Calculus (LACA)	Ms. Somya B.(SBK)	0.5	1	1.25	1.75	2	2.2	3.5	**1**			
2	CY100 Engineering Chemistry (CHEM)	Ms.Anchu E.S (AES)	1	1	2	2.5	4	3	4.5	6			
3	EST110 Engineering Graphics (EG)	Mr. Sreejith S Nair (SSN)	0.6	0	1.3	2.5	1	3.5	4.2	2			
4	EST120 Basics of Civil Engineering(BCE)	Fathima Sherin T	0.6	1	1.25	1.5	1	1.7	2.1	1	3	1	
5	EST120 Basics of Mechnical Engineering(BME)	Mr. Prasanth B Chandran (PBC)	0.2	0	0.9	1.3	1	1.6	2.4	1	**2.9**		
6	HUT101 Life Skills (LS)	Ms.Preetha R(PRR)	0.5	0	1.5	2	1	2.5	4.2	1			

S3

Sl.No.	Subject Code & Name	Faculty Incharge	29/11/21	Class Tests conducted upto 29/11/21	10-12-21	23/12/21	Class Tests conducted upto 23/12/21	10-01-22	25/01/22	Class Tests conducted upto 25/01/22	09-02-22	26/02/22	Class Tests conducted upto 26/02/22	Remarks
1	EET 201 CIRCUITS AND NETWORKS	Ms. Indhulekha Jayachandran	0.1	**0**	0.8	1	**1**	1.4	2.4	**3**	3			
2	EET203 MEASUREMENTS AND INSTRUMENTATION	Ms.Anjala.S.S	0.5	0	1.1		2	1.8		3	2.8			
3	EET205 Analog Electronics	Ms Sajina S	0.5	0	1	1.5	2	1.8	2.6	3	3			
4	PARTIAL DIFFERENTIAL EQUATION AND COMPLEX ANALYSIS	Binsha salim	0	0	0	0.2	0	1	1.5		2.25	4		
5	DESIGN AND ENGINEERING	Ms. Divya Sabu	1	0	1.5	1.75	1	2	2.5	3	2.75			
6	SUSTAINABLE ENGINEERING	Ms Jumana Beegum	1	0	1.4	1.4	1	2	2.5	1	2.8			

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Sl.No.	Subject Code & Name	Faculty Incharge	29/11/21	Class Tests conducted upto 29/11/21	10-12-21	23/12/21	Class Tests conducted upto 23/12/21	10-01-22	25/01/22	Class Tests conducted upto 25/01/22	09-02-22	26/02/22	Class Tests conducted upto 26/02/22	Remarks
1	EET301 POWERSYSTEM 1	Mr Ranjith M	0.6	0	1	1.5	1	2	2.5	2				
2	EET303 MICROPROCESSOR AND MICROCONTROLLER	Ms Jumana Beegum	0.8	0	1	1.4	1	2	2.2	2	2.6			
3	EET305 SIGNALS AND SYSTEMS	Dr Pravin Rose T	0.6	1	1	1.5	2	2	2.5	2	3			
4	EET307 SYNCHRONOUS AND INDUCTION MACHINE	Ms. Liji Ramesan Santhi	0.6	0	1	1.5	1	2	2.5	2	3	5	3	
5	EE310 INDUSTRIAL ECONOMICS AND FOREGN TRADE	Ms Raji		1	0.25			0.8						Joined on 6/12/21
6	MCN 301 DISASTER MANAGEMENT	Ms Mrudula Murukan G	0.5	0	1	1.5	1	2	2.5	2	3			

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Sl.No.	Subject Code & Name	Faculty Incharge	16/10/21	Class Tests conducted upto 16/10/2021	29/10/21	10-11-21	Class Tests conducted upto 10/11/21	25/11/21	6/12/21	Class Tests conducted upto 6/12/21	17/12/21	09-01-22	Class Tests conducted upto 9/01/22	Remarks
1	EE401 Electronic communication(EC)	Ms. Indulekha Jayachandran	0.8	1	1.1	1.8	2	2.1	2.7	2	3.5	6	3	
2	EE 403 Distributed generation and smart grids(DGS)	Ms. Liji Ramesan Santhi	1	1	1.5	2	2	2.4	2.8	2	3.5	6	3	
3	EE405 Electrical system design(ESD)	Mr. Ranjith M	1	1	1.5	2	2	2.3	2.6	2	4	6	3	
4	EE407 Digital signal processing(DSP)	Ms. Divya Sabu	0	0	0.5	1	1	1.5	2	2	3.25	6	3	Rejoined on 18/10/2021
5	EE409 Elecrical machine design(EMD)	Ms. Mrudula Murukan G	0.6	10	1.2	1.8	1	2.1	2.5	2	3.2	6	3	
6	EE465 Power quality(PQ)	Ms. Sajina S	1	1	1.5	2	2	2.5	2.9	2	3.5	6	3	

Vidya Academy of Science and Technology Technical Campus, Kilimanoor
Department of Computer Science and Engineering
Module Coverage Status - ODD SEM (2021-22)
(Pl.Enter the module coverage in percentage - Ex. 50% of 1st module= 0.5, 2module and 70% in 3rd module = 2.7 like that)

S1

Sl.No.	Subject Code & Name	Faculty Incharge	13/12/21	Class Tests conducted upto 13/12/21	10-01-22	25/01/22	Class Tests conducted upto 25/01/22	09-02-22	22/02/22	Class Tests conducted upto 22/02/22	09-03-22	Class Tests conducted upto 9/03/22	Remarks
1	MAT 101 Linear Algebra And Calculus (LACA)	Ms. Soumya BK (SBK)	0.5	**0**	1.3	1.6	**2**	2.2	3.5	**1**			
2	CY 100 Engineering Chemistry (CHE)	Ms.Anchu E S(AES)	1	2	2	2.5	4	3	4.5	6			
3	BT 101 Engineering Graphics (EG)	Mr.Midhun S S(MSS)	1	1	2	2.5	2	3					
4	EST 120 Basic Civil Engineering (BCE)	Ms.Jayita V Mohan(JVM)	0.8	0	1.2	1.6	1	2	2.4	2	2.8	2	
5	EST 120 Mechanical Engineering (BME)	Mr. Naveen B (NB)	0.2	0	0.9	1	0	1.5					
6	HUT 101 Life Skills (LS)	Ms. Rajeswari Gangadharan (RG)	0	0	0	0.25	0	0.75					

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Sl.No.	Subject Code & Name	Faculty Incharge	29/11/21	Class Tests conducted upto 29/11/21	10-12-21	23/12/21	Class Tests conducted upto 23/12/21	10-01-22	25/01/22	Class Tests conducted upto 25/01/22	09-02-22	26/02/22	Class Tests conducted upto 26/02/22	Remarks
1	MAT 203 Discrete Mathematical Structures (DMS)	Ms.Vigitha Vidyadhar(VAV)	0.5	**0**	0.9	1.2	**1**	1.5	2	**1**	2.9			
2	CST 201 Data Structures (DS)	Ms.Ansha Shakeer(ANS)	0.5	0	1.2	1.5	0	2		1	3			
3	CS 203 Logic System Design (LSD)	Ms.Beena V R(BVR)	0.6	0	1.1	1.5	0	2	2.3	1	2.8			
4	CS 205 Object Oriented Programming using Java (OOP)	Ms.Divya M K(DMK)	0.5	0	0.9	1.2	1	1.5	1.6	1	1.8			
5	EST 200 Design and Engineering for Computer Science (DE)	Ms.Ansha Shakeer(ANS)	0.5	0	1.1	1.3		1.5		0	2.5			
6	MCN 201 Sustainable Engineering (SE)	Ms.Revathy Prasannan(RP)	0.6	0	1	1.2	1	1.5	2.5	1	2.9			

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Sl.No.	Subject Code & Name	Faculty Incharge	29/11/21	Class Tests conducted upto 29/11/21	10-12-21	23/12/21	Class Tests conducted upto 23/12/21	10-01-22	25/01/22	Class Tests conducted upto 25/01/22	09-02-22	26/02/22	Class Tests conducted upto 26/02/22	Remarks
1	CST301 Formal Languages and Automata Theory(FLAT)	Ms.Anju Vikraman(AV)	0.5	0	0.8	1.2	1	2	2.2	1	3.3	4.3	3	
2	CST303Computer Networks(CN)	Ms.Krishna L(KL)	0.5	0	0.8	1.2		1.8			2.8			
3	CST 305 System Software(SS)	Ms.Athulya Kamalasanan(AK)	0.7	0	1	1.8	1	2.8	3	1	3.1			
4	CST307 Microprocessors and MicroControllers(MPMC)	Ms.Beena VR(BVR)	0.5	0	0.9	1.2	1	1.9	2.4	1	2.9			
5	CST309 Management of Software Systems(MSS)	Mr.Suraj SR(SSR)	0.5	0	0.8	1	0	1.6	2	1	2.9	5		
6	MNC301 Disaster Management(DM)	Mr.Suraj SR(SSR)	0.4	0	0.7	1	0	1.3	1.9	1	2.8	5		

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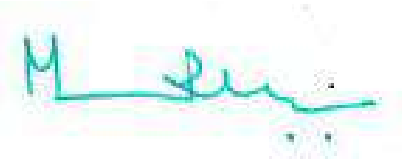
Sl.No.	Subject Code & Name	Faculty Incharge	16/10/21	Class Tests conducted upto 16/10/2021	29/10/21	10-11-21	Class Tests conducted upto 10/11/21	25/11/21	6/12/21	Class Tests conducted upto 6/12/21	22/12/21	09-01-22	Class Tests conducted upto 9/01/22	Remarks
1	CS 401 Computer Graphics (CG)	Dr.Sanaj M S (SMS)	1	0	1.75	2.25	0	3	3.5	0	4.5	6		
2	CS 403 Programming Paradigms (PP)	Ms.Anju Vikraman (AV)	0.5	0	1	2	1	2.2	2.5	1	3.5	6	2	
3	CS 405 Computer System Architechture (CSA)	Ms.Divya M K (DMK)	0.5	1	1	1.5	2	2	2.5	2	3	6	0	
4	CS 407 Distributed Computing (DC)	Ms.Athulya Kamalasanan (AK)	0.5	0	1.2	2	1	2.1	2.5	1	4.5	6	1	
5	CS 409 Cryptography and Network Security (CNS)	Ms.Revathy Prasannan (RP)	1	1	1.6	2	1	2.8	3	1	3.6	6	2	
6	CS 465 Bio Informatics (BI)	Ms.Krishna L (KL)	1	0	1.8	2.5	1	1	3.5	1	3.8	6	2	



Vidya Academy of Science and Technology Technical Campus, Kilimanoor

Department of Electronics and Communication Engineering

Module Coverage Status - ODD SEM (2021-22)

(Pl.Enter the module coverage in percentage - Ex. 50% of 1st module= 0.5, 2module and 70% in 3rd module = 2.7 like that)

S1

Sl.No.	Subject Code & Name	Faculty Incharge	13/12/21	Class Tests conducted upto 13/12/21	10-01-22	25/01/22	Class Tests conducted upto 25/01/22	09-02-22	22/02/22	Class Tests conducted upto 22/02/22	09-03-22	Class Tests conducted upto 9/03/22	Remarks
1	MAT101 Linear Algebra And Calculus (LACA)	Ms. Somya. B. K (SBK)	0.5	1	1.25	1.75	**2**	2.2	3.5	**1**			
2	CY100 Engineering Chemistry (CHEM)	Ms.Anchu E.S (AES)	1	1	2	2.5	4	3	4.5	6			
3	EST110 Engineering Graphics (EG)	Mr. Sreejith S Nair (SSN)	0.6	0	1.3	2.5	1	3.5	4.2	2			
4	EST120 Basics of Civil Engineering(BCE)	Ms. Fathima Sherin T /NF (FST)	0.6	1	1.25	1.5	1	1.7	2.1	1	3	1	
5	EST120 Basics of Mechnical Engineering(BME)	Mr. Prasanth B Chandran (PBC)	0.2	0	0.9	1.3	1	1.6	2.4	1	**2.9**		
6	HUN101 Life Skills (LS)	Ms. Preetha R.	0.5	0	1.5	2	1	2.5	4.2	1			

S3

Sl.No.	Subject Code & Name	Faculty Incharge	29/11/21	Class Tests conducted upto 29/11/21	10-12-21	23/12/21	Class Tests conducted upto 23/12/21	10-01-22	25/01/22	Class Tests conducted upto 25/01/22	09-02-22	26/02/22	Class Tests conducted upto 26/02/22	Remarks
1	MAT 201 PDCA	Binsha Salim	0	**0**	0	0.2	**0**	1	1.5		2.25	4		
2	ECT 201 Solid state Devices	Ms Anjana N.	1	3	2	2.8	3	3.5	4.2	3	4.7	5	6	
3	ECT 203 Logic Circuit Design	Ms. Sreejitha SG	0.6	0	1	2	1	2.5	2.9	3	3	4	4	
4	ECT 205 Network Theory	Mr. Chandu C.B.	0.8	0	1.8	2.2	1	2.6	3	1	3.8	4.2	2	
5	HUT 200 Professional Ethics	Ms. Preetha R	1	1	1.75	2.1	1	3	3.75	1	4.25	5	3	
6	MCN 201 Sustainable Engineering	Ms. Aswathi V Nair	0.6	0	1.6	2	1	2.5	3	2	4	5	2	

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Sl.No.	Subject Code & Name	Faculty Incharge	29/11/21	Class Tests conducted upto 29/11/21	10-12-21	23/12/21	Class Tests conducted upto 23/12/21	10-01-22	25/01/22	Class Tests conducted upto 25/01/22	09-02-22	26/02/22	Class Tests conducted upto 26/02/22	Remarks
1	EC 301 Linear Integrated Circuits	Dr. Neethu Raj R	0.3	1	0.7	1.2	1	1.7	2	2	2.5	3.25	2	
2	EC 303 Digital Signal Processing	Ms. Preetha R	0.3	1	0.6	1	2	1.5	2	3	2.5	4	3	
3	ECT305 Analog and Digital Communication	Mr. Chandu C.B.	0.3	0	0.6	1	1	1.3	2	1	2.6	4	2	
4	ECT 307 Control Systems	Mr. Dawn Sivan	0.3	0	0.5	1	1	1.5	2	2	2.8	4.2	4	
5	HUT 310 Management for Engineers	Ms. Niraja J Shenoy	0.2	0	0.8	1.1	1	1.4	2.1	2	3	4.2	3	

6	MCN 301 Disaster Management	Ms. Lisha Gopalakrishna Pillai	0.2	0	0.7	1.3	0	1.5	2.3	1	3.5	4.6	2	

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Sl.No.	Subject Code & Name	Faculty Incharge	16/10/21	Class Tests conducted upto 16/10/2021	29/10/21	10-11-21	Class Tests conducted upto 10/11/21	25/11/21	6/12/21	Class Tests conducted upto 6/12/21	17/12/21	09-01-22	Class Tests conducted upto 9/01/22	Remarks
1	EC 401 Information Theory and Coding	Ms. Niraja J Shenoy	1	1	1.4	1.6	2	2	2.3	2	3	5	2	
2	EC403 Microwave and Radar Engg	Ms. Aswathi V Nair	1	1	1.4	1.7	2	2	2.1	2	3.4	5.3	2	
3	EC 405 Optical Communication	Ms. Anjana N	1	1	1.3	1.6	1	2	2.2	2	2.6	5	2	
4	EC 407 Computer Communication	Ms. Sreejitha S.G	1	1	1.5	1.8	2	2	2.1	2	2.7	5	2	
5	EC 409 Control Systems	Mr. Dawn Sivan	0.6	1	1.2	1.5	1	2	2.2	2	2.7	5	2	
6	EC 465 MEMS	Ms. Lisha Gopalakrishna Pillai	0	0	0	0.5	1	1.4	1.9	2	2.8	4.75	2