Meerut Institute of Engineering and Technology, Meerut

List of Subjects and Concerned Course teachers # B Tech - Information Technology (Batch 2021-25)

S. No.	Year (session) of Study	Sem	Subject Code	Subject Name	Subject Short Name	Theory / Lab
1	2021-22	I	KAS102T	Engineering Chemistry	Chemistry	Theory
2	2021-22	I	KAS103T	Engineering Mathematics-I	Math-I	Theory
3	2021-22	I	KEC101T	Emerging Domain in Electronics Engineering	Electronics	Theory
4	2021-22	I	KME101T	Fundamentals of Mechanical Engineering & Mechatronics	Machanical Eng.	Theory
5	2021-22	I	KMC102	Emerging Technology for Engineering	ETE	Theory
6	2021-22	I	KAS152P	Engineering Chemistry Lab	Chemistry Lab	Practical
7	2021-22	I	KEC151P	Electronics Engineering Lab	Electronics Lab	Practical
8	2021-22	I	KAS154P	English Language Lab	Language Lab	Practical
9	2021-22	I	KWS151P	Mechanical Workshop Lab	Mechanical Lab	Practical
10	2021-22	II	KAS201T	Engineering Physics	Physics Lab	Theory
11	2021-22	II	KAS203T	Engineering Mathematics-II	Math-II	Theory
12	2021-22	II	KEE201T	Basic Electrical Engineering	Electrical Engg.	Theory
13	2021-22	II	KCS201T	Programming for Problem Solving	PPS	Theory
14	2021-22	II	KMC201	AI For Engineering	AI	Theory
15	2021-22	II	KAS251P	Engineering Physics Lab	Physics Lab	Practical
16	2021-22	II	KEE251P	Basic Electrical Engineering Lab	Electrical Engg. Lab	Practical
17	2021-22	II	KCS251P	Programming for Problem Solving	PPS Lab	Practical
18	2021-22	II	KCE251P	Engineering Graphics & Design Lab	Graphics Lab	Practical
19	2022-23	III	KOE034	Sensor & Instrumentation	S&I	Theory
20	2022-23	III	KAS301	Technical Communication	TC	Theory
21	2022-23	III	KCS301	Data Structure	DS	Theory
22	2022-23	III	KCS302	Computer Organization and Architecture	COA	Theory
23	2022-23	III	KCS303	Discrete Structures & Theory of Logic	DSTL	Theory
24	2022-23	III	KCS351	Data Structures Using C Lab	DS Lab	Practical
25	2022-23	III	KCS352	Computer Organization Lab	CO Lab	Practical
26	2022-23	III	KCS353	Discrete Structure & Logic Lab	DSL Lab	Practical
27	2022-23	III	KCS354	Mini Project or Internship Assessment	Mini Project Lab	Practical
28	2022-23	III	KNC302	Python Programming	Python	CA
29	2022-23	IV	KAS402	Maths IV	Maths-IV	Theory
30	2022-23	IV	KVE401	Universal Human Values	UHV	Theory
31	2022-23	IV	KCS401	Operating Systems	OS	Theory

32	2022-23	IV	KCS402	Theory of Automata and Formal Languages	TAFL	Theory
33	2022-23	IV	KIT401	Web Designing	Web Designing	Theory
34	2022-23	IV	KCS451	Operating Systems Lab	OSL	Practical
35	2022-23	IV	KIT451	Web Designing Lab	Web Designing Lab	Practical
36	2022-23	IV	KCS453	Python Language Programming Lab	PLPL	Practical
37	2022-23	IV	KNC401	Computer System Security	CSS	CA
38	2023-24	V	KCS501	Database Management System	DBMS	Theory
39	2023-24	V	KIT501	Web Technology	WT	Theory
40	2023-24	V	KCS503	Design and Analysis of Algorithm	DAA	Theory
41	2023-24	V	KCS054	Object Oriented System Design	OOSD	Theory
42	2023-24	V	KCS058	Human Computer Interface	HCI	Theory
43	2023-24	V	KCS551	Database Management System Lab	DBMS Lab	Practical
44	2023-24	V	KIT551	Web Technology Lab	WT Lab	Practical
45	2023-24	V	KCS553	Design and Analysis of Algorithm Lab	DAA Lab	Practical
46	2023-24	V	KCS554	Mini Project or Internship Assessment	MP&IA	Practical
47	2023-24	V	KNC501	CONSTITUTION OF INDIA, LAW AND ENGINEERING	COI law & Eng.	CA
48	2023-24	VI	KCS601	Software Engineering	SS	Theory
49	2023-24	VI	KIT601	Data Analytics	DT	Theory
50	2023-24	VI	KCS603	Computer Networks	CS	Theory
51	2023-24	VI	KCS061	Big Data	BS	Theory
52	2023-24	VI	KOE068	SOFTWARE PROJECT MANAGEMENT	SPM	Theory
53	2023-24	VI	KCS651	Software Engineering Lab	SEL	Practical
54	2023-24	VI	KIT651	Data Analytics Lab	DAL	Practical
55	2023-24	VI	KCS653	Computer Networks Lab	CNL	Practical
56	2023-24	VI	KNC602	INDIAN TRADITION, CULTURE AND SOCIETY	ITC	CA
57	2024-25	VII	KHU702	PROJECT MANAGEMENT & ENTREPRENEURSHIP	PM&E	Theory
58	2024-25	VII	KCS071	Artificial Intelligence	AI	Theory
59	2024-25	VII	KCS711	Mobile Computing	CS	Theory
60	2024-25	VII	KOE074	RENEWABLE ENERGY RESOURCES	RER	Theory
61	2024-25	VII	KIT751A	Artificial Intelligence Lab	AI Lab	Practical
62	2024-25	VII	KIT752	Mini Project or Internship Assessment*	MPIA	Practical
63	2024-25	VII	KIT753	Project I	Project	Practical
64	2024-25	VIII	KHU801	RURAL DEVELOPMENT: ADMINISTRATION AND PLANNING	RDA&P	Theory

65	2024-25	VIII	KOE083	ENTREPRENEURSHIP DEVELOPMENT	ED	Theory
66	2024-25	VIII	KOE094	DIGITAL AND SOCIAL MEDIA MARKETING	DSMM	Theory
67	2024-25	VIII	KIT851	Project II	Project	Practical

Statements of Course Outcomes (COs) and Mapping with Program Outcomes (POs) and Program Specific Outcomes (PSOs) : Dept. of Information Technology: 2021-25
(Batch passed-out in 2023; 2019-23) BKL # K1 – Remember, K2 – Understand, K3 – Apply, K4 – Analyze, K5 – Evaluate, K6 – Create

S. No.	Sub Code	Sem	COx	Statement of Course Outcomes (COs)	Kx	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
				Statement of Course Outcomes (COs) Upon completion of topic concerned, students will be able to :	Blooms Knowledge Level	Engineering knowledge	Problem Analysis	Design /development of solutions	Conduct investigations of comple	Modern tool usage	The Engineer and Society	Environment & sustainability	Ethics	Individual and team work	Communications	Project management and finance	Life Long Learning			
1	KAS101/201		CO-1	Understand the concept of theory of relativity and their related concepts.	K2	3	2										3			
			CO-2	To solve the engineering problems based on Electromagnetic Field Theory.	K3	3	3	2									3			
			CO-3	To solve the limiting problems of Classical Physics using concepts of Quantum Mechanics.	K3	3	2										3			
			CO-4	Understand the concept of wave nature related phenomenon and resolving power of an optical instrument.	K2	3	3										3			
			CO-5	Understand basic concept of LASER and fiber optics.	K2	3	3	3									3			
				KAS101/201 (Engg. Physics)		3.0	2.6	2.5									3.0			
2	KAS151/251		CO-1	Make use of optical methods to determine the properties of light.	K2	3	2						2	3			2			
			CO-2	Assess the properties of semi conductor using electrical methods.	K3	2		2					2	3			2			
			CO-3	Determine specific resistance of material using Carey Foster's bridge method.	K3	3							2	3			2			
			CO-4	Examine the Stefan's law using electrical method.	K2	2	2						2							
			CO-5	Intrepret variation of magnetic field for a current carrying circular coil and ferro magnetic materials.	K3	3		2					2							
				KAS151/251 (Engg. Physics Lab)		2.60	2.00	2.00					2.00	3.00			2.00			
3	KAS102/202		CO-1	Understanding atomic and molecular structure from nanoscale to macromolecules.	K2	3											2			
			CO-2	Apply the concept of spectroscopy for compound identification and structural analysis.	K3	3	2													
			CO-3	Apply the concepts of electrochemistry to corrosion, batteries and phase rule .	K3	3	2										2			
			CO-4	Analyse the water sample and coal samples for their hardness and calorific values respectively.	K3	3	2				2	2					2			
			CO-5	Analyse the water sample and coal samples for their hardness and calorific values respectively.	K2	3					2	2					2			
				KAS102/202 (Engg. Chemistry)		3.00	2.00				2.00	2.00					2.00			
4	KAS102/202		CO-1	Perform experiments with different analytical instruments for chemical properties.	K3	2					2	2		2			2			
			CO-2	Compare molecular / system properties such as surface tension, viscosity with water.	K3	2														
			CO-3	Measure alkalinity, hardness and chloride content of water.	K2	3	2				2	2		2			2			
			CO-4	Determine the iron content and available chlorine in given sample.	K3	2						2								
			CO-5	Know the fundamental concepts of the preparation of phenol formaldehyde & urea formaldehyde resin	K2	2	2				2	2					2			
				KAS102/202 (Engg. Chemistry Lab)		2.20	2.00				2.00	2.00		2.00			2.00			
			CO-1	Apply the concept of matrices for solving the linear simultaneous equations.	K3	3	3	3	3								2			
			CO-2	Apply the concept of limit, continuity and differentiability in the study of Rolle's, Lagrange's, Cauchy Mean Value theorem and Leibnitz theorems .	K3	3	3	3	3								2			

5	KAS103		CO-3	Apply the concept of partial differentiation in finding extreme value, expansion of functions and Jacobians.	K3	3	3	3	3								2			
			CO-4	Apply multiple integrals for finding area, volume, centre of mass and centre of gravity.	K3	3	3	3	3								2			
			CO-5	Applying the concept of vector differentiation and integration to determine line, surface and volume integrals.	K3	3	3	3	3								2			
			KAS103 (Engg. Maths I)			3.00	3.00	3.00	3.00								2.00			
6	KAS203		CO-1	Apply the concept of differentiation for solving differential equations.	K3	3	3	3	3								2			
			CO-2	Apply the concept of definite integral for evaluating surface areas and volumes.	K3	3	3	3	3								2			
			CO-3	Application of identifying the convergence of sequence and series and expension of Fourier series	K3	3	3	3	3								2			
			CO-4	Application of complex functions to determine analytic functions.	K3	3	3	3	3								2			
			CO-5	Apply the comlex functions for finding Taylor's series, Laurent's series and definite integrals.	K3	3	3	3	3								2			
			KAS203 (Engg. Maths II)			3.00	3.00	3.00	3.00								2.00			
7	KAS104/204		CO-1	Be acquainted with specific dimensions of communication skills.	K2	2		3						2	2					
			CO-2	Create substantial base by the formation of strong professional vocabulary.	K3	2											2			
			CO-3	Apply communication skills at their work place for writing purposes.	K3		2	3												
			CO-4	Cultivate relevant technical style of communication & presentation.	K3				2											
			CO-5	Apply techniques for developing interpersonal communication skills and positive attitude.	K3		2	3	2					3	3	3				
			KAS104/204 (Professional English)			2.00	2.00	3.00	2.00					2.50	2.50	3.00	2.00			
8	KAS104/204		CO-1	Make use of converstional skills for effective group talks and interviews.	K3									2	2		2			
			CO-2	Develop communication and presentation skills for technical papers/project reports/proposals in seminars/conferences/workshops/theme presentations.	K2										2		2			
			CO-3	Build conversational skills for public/individual speaking /conferencing/role play/JAM /arguementation.	K2										2		2			
			CO-4	Make use of comprehension skills based on reading and listening practical's on model audio.	K3										2		2			
			CO-5	Execution social skills for a given work station.	K3										2		2			
			KAS104/204 (Professional English Lab)											2.00	2.00		2.00			
9	KEE101/201		CO-1	Apply the concepts of KVL/KCL and network theorems in solving DC circuits.	K3	3	3	3									2			
			CO-2	Analyze the steady state behavior of single phase and three phase AC electrical circuits.	K2	3	3	3									2			
			CO-3	Identify the application areas of a single phase two winding transformer and calculate their efficiency.	K2	3	2	3									2			
			CO-4	Illustrate the working principles of induction motor, synchronous machine and DC machine.	K2	3	2										2			
			CO-5	Describe the components of low voltage electrical installations.	K2	3	2										3			
			KEE101/201 (Basic Electrical Engg.)			3.00	2.40	3.00									2.20			
10	KEE101/201		CO-1	Apply KVL/KCL and network theorums in DC circuits.	K3	2	2	2	2											
			CO-2	Demonstrate the behaviour of single phase and three phase AC circuits	K3	3	2	2	2		2						2			
			CO-3	Illustrate and study the parameters of single phase transformer.	K3	3	3	2	2		2						2			
			CO-4	Analysing speed control of AC and DC Motor	K3	3	3	2	2		2						2			
			CO-5	Determine energy consumption (kWH)using single phase induction type energy meter.	K3	3	2	2	2								2			

			KEE101/201 (Basic Electrical Engg. Lab)			2.80	2.40	2.00	2.00		2.00						2.00			
11	KCS101/201		CO-1	Translate the algorithms to programs & perform its execution in C language.	K3	3											3			
			CO-2	Implement conditional branching, instructions along with operators.	K3	3	3	3									3			
			CO-3	Use looping control instructions to decompose a problem into function.	K3	3	3	3									3			
			CO-4	Apply arrays and structures to develop programs.	K3	3	3	3									3			
			CO-5	Utilize pointer, file handling, dynamic memory allocation to solve problems.	K3	3	3	3									3			
			KCS101/201			3.00	3.00	3.00									3.00			
12	KCS101/201		CO-1	Solve simple problems based on arithmetic expressions using operators.	K3	2	2	2												
			CO-2	Implement conditional branching instructions to develop programs.	K3	3	3	3												
			CO-3	Use looping control instructions and functions to solve complex problems.	K3	3	3	3									3			
			CO-4	Design solutions by using arrays and structures to develop programs.	K3	3	3	3									3			
			CO-5	Utilize pointer, file handling, dynamic memory allocation to solve problems.	K3	3	3	3									3			
			KCS101/201			2.80	2.80	2.80									3.00			
13	KWS101/201		CO-1	Use various engineering materials, tools, machines and measuring equipments.	K3	2					2		2	2			2			
			CO-2	Perform machine operations in lathe and CNC machine.	K3	3				2	2		2	3			2			
			CO-3	Perform manufacturing operations on components in fitting and carpentry shop.	K3	2					2		2	2			2			
			CO-4	Perform operations in welding, moulding and casting	K3	3					2	2	2	2			2			
			CO-5	Fabricate a job by 3D printing manufacturing technique.	K3	2				2	2		2	3			2			
			KWS101/201 (Workshop Practices)			2.40				2.00	2.00	2.00	2.00	2.40			2.00			
14	KCE101/201		CO-1	Use scales and draw projections of objects.	K2	3									2					
			CO-2	Explain views of solids and their sectional surfaces.	K2	3	2								2					
			CO-3	Analyze and draw isometric projections of objects.	K3	3									2					
			CO-4	Demonstrate orthographic representation of perspective views using modern tools.	K2	3		2		3				2	2					
			CO-5	Apply AutoCAD software for creation of engineering drawing and models.	K3	3		2		3				2	2		2			
			KCE101/201 (Engg. Graphics and Design)			3.00	2.00	2.00		3.00				2.00	2.00		2.00			
15	KBT101 (Elementary Maths I)		CO-1	Apply the system of Linear inequatities and Quadratic Equations.	K3	2	2	2									2			
			CO-2	Apply the concept of Arithmetic and Geometric Progressions for finding the nth term and sum of series.	K3	2	2	2									2			
			CO-3	Apply the concept of Conic sections to find distance of a point.	K3	2	2	2									2			
			CO-4	Apply the conncept of limit, continuity and differentiablity.	K3	2	2	2									2			
			CO-5	Apply for finding the derivatives of different type of functions and maxima, minima.	K3	3	3	2	2								2			
			KBT101			2.20	2.20	2.00	2.00								2.00			
	hs II)		CO-1	Apply the basic concepts of Integration to find area between the curves.	K3	3	3	2									2			
			CO-2	Apply the concept of differentiation for finding the solution of Differential equations.	K3	2	2	2	2								2			

23	KBT201 (Elementary Mat		CO-3	Apply with the concept of vector for finding direction cosines,Projection of a vector.	K3	2	2	2									2			
			CO-4	Apply the concept of three dimensional geometry in engineering.	K3	2	2	2	2								2			
			CO-5	Apply the concept of Probability in Comprehensive Manner.	K3	3	3	3	2								2			
			KBT201			2.40	2.40	2.20	2.00								2.00			
14	KAS301	III SEM	CO-1	Students will be enabled to understand the nature and objective of Technical Communication relevant for the work place as engineers.	K2	1				1	2		3		3		3	2		2
			CO-2	Students will utilize the technical writing for the purpose of Technical Communication and its exposure in various dimensions.	K3	2	2	3		2							3	2	2	
			CO-3	Students would embible inputs by presentation skills to enhance confidence in face of diverse audience.	K2	3		1		2	3				3		3	2	2	3
			CO-4	Technical communication skills will create a vast know-how of the application of the learning to promote their technical competence.	K6	3	2	3		2		2			3		3	2	1	2
			CO-5	It would enable them to evaluate their efficacy as fluent and efficient communicators by learning the voice-dynamics.	K2	3				2	3				3		3	2		2
			Technical Communication			2.4	2.0	2.3		1.8	2.7	2.0	3.0		3.0		3.0	2.0	1.7	2.3
15	KCS301	III SEM	CO-1	Apply the concepts of arrays and linked list.	K2	3	1	1	1	2				1		2	2	1	3	3
			CO-2	Apply the concepts of Stack , Queue and formulate the solution using recursion in solving various problems.	K3	3	2	1	2	2				1		2	2	1	3	3
			CO-3	Design and apply tree concepts for solving computational problems.	K3	3	1	1	1	2				1		2	3	1	3	3
			CO-4	Analyze the various path searching algorithms using the concepts of graph.	K3	3	2	1	1	2				1		2	3	1	3	3
			CO-5	Implement different searching , sorting and Hashing techniques.	K2	2	1	1	2	2				1		2	3	1	3	3
			Data Structures			2.8	1.4	1.0	1.4	2.0				1.0		2.0	2.6	1.0	3.0	3.0
16	KCS302	III SEM	CO-1	Understand the basic structure, operation of computer & its components.	K2	1	1	1	1	1	1	1	1	1	1	1	3	1	1	2
			CO-2	Understand the different ways of communication among CPU, memory and I/O devices.	K2	2	1	2	2	3				1	3	2	2	2	3	2
			CO-3	Understand the parameters for the design of memory unit, control unit, ISA and different instruction formats.	K2	3	3	1	3	3				1	3	3	3	2	3	3
			CO-4	Apply thye different algorithms for arithmetic operations and different instruction formats.	K3	3	3	1	3	3				1	3	2	2	2	3	2
			CO-5	Compute the performance of different pipeline techniques.	K3	3	2	1	2	3	1			1	3	3	3	2	3	3
			Computer Organization & Architectures			2.4	2.0	1.2	2.2	2.6	1.0	1.0	1.0	1.0	2.6	2.2	2.6	1.8	2.6	2.4
17	KNC 302	III SEM	CO-1	To Understand the concepts of python programming.	K2	2		2										2		
			CO-2	To Understand the use of python data structures.	K2	3		2	2								2	2		
			CO-3	To Implement the programs using the functions, higher order function and recursions.	K3	2		2			2						2		2	3
			CO-4	To apply file handling techniques, Modules, Exception Handing and concepts of OOPS.	K3	2	2	2									2	2		
			CO-5	To implement searching, sorting, merging, Sieve of Eartosthenes algorithms.	K3	3		3	2		2						2	2	2	2
			Python Programming			2.4	2.0	2.2	2.0		2.0						2.0	2.0	2.0	2.5
18	KCS303	III SEM	CO-1	Students will be able to define & explain the fundamentals of set theory, algebraic structures, logic, combinatorics and make use of counting techniques to solve problems.	K1	3	1	2	3	1	1			1			1	2		
			CO-2	Students will be able to apply the concept of mathematical logic to write a valid argument.	K3	1	1			1				1			1	2		2
			CO-3	Students will be able to differentiate the use of different algebraic structures.	K4	3	2	2		1				1			1	2		
			CO-4	Students will be able to select the appropriate logic gate to make circuit diagram of various Boolean functions.	K3	3	3	3	2	1				1			1	2		
			CO-5	Students will be able to evaluate a function using various methods of solving a recurrence relation.	K5	2	3	3		1				1			1	3	2	

			Discrete Mathematics			2.4	2.0	2.5	2.5	1.0	1.0			1.0			1.0	2.2	2.0	2.0
19	KOE 034	III SEM	CO-1	Apply the use of sensors for measurement of displacement, force and pressure.	K3	3	1	1									3			1
			CO-2	Employ commonly used sensors in industry for measurement of temperature, position, accelerometer, vibration sensor, flow and level.	K3	3	1	1									3		1	1
			CO-3	Demonstrate the use of virtual instrumentation in automation industries.	K2	3	3	3		1									1	3
			CO-4	Identify and use data acquisition methods.	K3	2		2		1							1		1	1
			CO-5	Comprehend intelligent instrumentation in industrial automation.	K4	3											3			3
			Sensor & Instrumentation			2.8	1.7	1.8		1.0							2.5		1.0	1.8
20	KCS351	III SEM	CO-1	To implement the given problem using array .	K3	3	1	1	2	2		1		2	1	2	3	1	3	3
			CO-2	To Apply searching algorithms on the given data sets.	K3	3	1	1	2	2		1		2	1	2	2	1	3	3
			CO-3	To Apply sorting algorithms on the given data sets.	K3	3	1	1	2	2		1		2	1	2	3	1	3	3
			Data Structures Lab			3	1	1	2	2		1		2	1	2	3	1	3	3
21	KCS352	III SEM	CO-1	Implementing electronic circuits using basic gates.	K3	1	1							1						
			CO-2	Verify the excitation tables of variuos logic circuits.	K2	2	1	2	2					2			2		1	1
			CO-3	Design the control unit of a computer using either hardwiring or microprogramming based on its register transfer language description.	K3	1		2	1	1				1		1		2		1
			Computer Organization & Architectures Lab			1	1	2	2	1				1		1	2	2	1	1
22	KCS353	III SEM	CO-1	Understand the notion of mathematical thinking, mathematical proofs and algorithm thinking and be able to apply them in problem solving.	K2	2												1		
			CO-2	Apply the methods for discrete mathematics in problem solving by implementing them.	K3	3	2	2	1	2			1				1	2		
			CO-3	Demonstrate effectively algebraic techniques to analyze basic discrete structure and algorithm.	K2	3			3	2	2		1				1	1	1	
			Discrete Mathematics Lab			3	2	2	2	2	2		1				1	1	1	
23	KCS 354	III SEM	CO-1	To understand and able to practice acquired knowledge within the chosen area of technology for project development.	K2	2	1	2			2	1			2		3	3	3	
			CO-2	Discuss and Justify the Technical aspects of the chosen project with a comprehensive and systematic approach.	K2	2	2	2	2		2	2	2	2	2		3	3	3	2
			CO-3	Able to work on hands-on projects on latest technology and justify how to work with different software systems and Technologies.	K2	2	2	2	1		2	2	1		2	1	3	3	3	2
			Mini Project			2	2	2	1		2	2	2	2	2	1	3	3	3	2
24	KAS 402	IV SEM	CO-1	To learn the concepts limit, continuity, differentiability and integration in complex number domain and also to apply these concepts in the flow problems.	K2	3			1	1			2			2				
			CO-2	To understand the concepts of mathematical statistics e. g. correlation, regression , curve fitting etc. and to throw their applications in real life problems. Ability to establish the hypotheses and testing	K2	2	3	3	2	2	1	2	2			2		3	3	
			CO-3	To apply the iterative methods e. g. Newton Raphson method, Regula falsi etc to solve non linear equations.	K3	3		2	2	3		1				2		3		
			CO-4	To understand various interpolation formulae for equal time interval as well as unequal interval and to interpolate the given data. To learn various methods to solve the ordinary differential	K2	2	3	3	2	2	1	3	2			3		3	2	
			CO-5	To understand the concept of different types of Fourier transforms and to apply these in Heat, Wave and Laplace equations.	K2	2		2	2	3				1	1	3	1	2		2
			Maths IV			2.4	3	2.5	1.8	2.2	1	2	2	1	1	2.4	1	2.8	2.5	2
25	KVE 401	IV SEM	CO-1	Students will be able to understand about the need of value education and harmony in self, family, society and nature.	K2							2	3	3			3			
			CO-2	Students will be able to apply the understanding of value education to ensure harmony at all the four lelevls of living.	K3							2	3	3			3			
			CO-3	Students will be able to analyze about self, feelings in relationship, society and relevence of nature.	K4							2	3	3			3			
			CO-4	Students will be able to evaluate their participation at all the four levels of living.	K5							2	3	3			3			

			CO-5	Students will be able to improve their emotional, social and professional competence.	K4							2	3	3			3			
			Universal Human Values									2	3	3			3			
26	KCS 401	IV SEM	CO-1	Understand the basic concept of Operating system.	K2	2	1	1	1	2		1		1	1	2	2	1	3	3
			CO-2	Discuss concurrent processes and their execution.	K2	3	2	1	2	2		1		1	1	2	2	2	3	3
			CO-3	Analyze the concept of process scheduling and deadlock.	K4	3	1	1	1	2		1		1	1	2	3	1	3	3
			CO-4	Select different approaches of memory management techniques.	K1	3	2	1	1	2		1		1	1	2	3	1	3	3
			CO-5	Apply the concepts of disk scheduling.	K3	2	1	1	2	2		1		1	1	2	3	1	3	3
			Operating System			3	1	1	1	2		1		1	1	2	3	1	3	3
27	KCS 402	IV SEM	CO-1	able to understand and construct finite state machines	K2	2	2	1	2	1	1						2	1	1	1
			CO-2	able to prove the equivalence of languages described by finite state machines and regular expressions.	K5	2	2	1	2	1							1	1	1	1
			CO-3	able to construct pushdown automata and the equivalent context free grammars	K6	2	2	1	2	1							2	2	1	2
			CO-4	able to prove the equivalence of languages described by pushdown automata and context free grammars.	K5	3	2	2	2	1							1	2	1	2
			CO-5	able to construct Turing machines and Post machines.	K6	3	3	2	2	1	1						2	3	1	2
			Theory of Automata and Format Lanaguage			2	2	1	2	1	1						2	2	1	2
28	KIT 401	IV SEM	CO-1	To introduce the fundamentals of Internet, and the principles of web design	K1	3	3	3		2				1			1	3	3	3
			CO-2	Visualize and Recognize the basic concept of HTML and application in web designing.	K3	3	3	3		3	1			2	2		2	3	3	3
			CO-3	To construct basic websites using HTML and Cascading Style Sheets.	K6	2	2	2		3	2						1	2	2	1
			CO-4	To build dynamic web pages with validation using Java Script objects and by applying different event handling mechanisms.	K6	2	2	2		3				2				2	2	1
			CO-5	Introduce basics concept of Web Hosting and apply the concept of SEO	K3	3	2	3		3	2			2				3	2	3
			Web Desiging			3	2	3		3	2			2	2		1	3	2	2
29	KNC 402	IV SEM	CO-1	Develop familiarity with and understanding of hot issues in computer and network security	K6	3	2	2	2	2	1			1			1	3	2	2
			CO-2	Explain various possible exploits, recreate cyber attacks on browsers, and servers with existing bugs, and explain how to mitigate such threats.	K2	3	2	1	1					1			1	3		
			CO-3	Gain hands-on experience with attack and defence techniques	K2	3	2	2	1					1			1	3	2	1
			CO-4	Articulate the urgent need for cybersecurity in critical computer systems, networks, and the worldwide web, and explain various threat scenarios	K3	3	3	3	1					1			1	3		
			CO-5	Boost Students hireability through innovative and independent learning.	K3	2	3	3	3	3				1			1	3	2	2
			Computer Syster Security			3	2	2	2	3	1			1			1	3	2	2
30	KCS 451	IV SEM	CO-1	Implement CPU Scheduling algorithms.	K3	3	2	1	3	3		1		1	2	3	3	1	3	3
			CO-2	Imlpement the page replacement algorithms.	K3	3	2	1	3	3		1		1	2	3	3	1	3	3
			CO-3	Implement the disk scheduling algorithms.	K3	3	2	1	3	3		1		1	2	3	3	1	3	3
			Operating System Lab			3	2	1	3	3		1		1	2	3	3	1	3	3
31	KIT 451	IV SEM	CO-1	Student will be able to recollect the concepts of HTML and JavaScript that are vital in webpage development.	K1	3	3	2	2	2	1			1		1	3	3	2	2
			CO-2	Student shall demonstrate knowledge of languages, mark up tags, and good coding practices commonly used to create web pages.	K2	3	3	2	2	2				1			3	2	2	2
			CO-3	Student shall analyze given assignment to select sustainable web development and design methodology and inspect user experience and usability issues related to web sites.	K4	3	3	1	2	2				1		1	3	2	2	2

			Web Desiging Lab			3	3	2	2	2	1			1		1	3	2	2	2
32	KCS 453	IV SEM	CO-1	Apply basic concepts of python.	K3	1	1							1						
			CO-2	Apply sorting algorithm on data sets in python.	K3	2	1	2	2					2			2		1	1
			CO-3	Apply searching algorithm in python.	K3	1		2	1	1				1		1		2		1
			Python Language Programming Lab			1	1	2	2	1				1		1	2	2	1	1
33	BCS 501	V SEM	CO-1	Understand the different issues involved in the design and implementation of database system	K2	3												3	2	
			CO-2	Apply database queries in SQL, Relational algebra, E-R Diagram, tuple and domain calculus.	K3	3	2											3		2
			CO-3	Apply normalization techniques.	K3	3	2											2	2	
			CO-4	Examine the concepts of transaction processing and distributed database	K4	3	2	2			2	2						3		2
			CO-5	Compare the concurrency control protocols	K4	3					2	2						2		
			Database Management System			3	2	2			2	2						3	1	1
34	BCS 502	V SEM	CO-1	To understand concepts of web technology.	K2	3	3										3	3	2	
			CO-2	To design graphical user interface using concepts of various web designing languages.	K6	3	3				3						3	2		
			CO-3	To develop interactive webpages using client side scripting.	K6	3	3										3	3	2	
			CO-4	To create the linkage between database and web pages.	K6	3											3	3		2
			CO-5	To create session using server side scripting language viz. ASP, JSP and PHP.	K6	3					3						3	3		2
			Web Technology			3	3				3						3	3	1	1
35	BCS 503	V SEM	CO-1	Design new algorithms, prove them correct, and analyze their asymptotic and absolute runtime and memory demands.	K6	3	3						3	3			3	3	2	
			CO-2	To analyze the DAA performance Find an algorithm to solve the problem (create) and prove that the algorithm solves the problem correctly (validate).	K4	3	3						3	3			3	3		2
			CO-3	Understand the mathematical criterion for deciding whether an algorithm is efficient, and know many practically important problems that do not admit any efficient algorithms.	K2	3	3						3	3			3	3	2	
			CO-4	Apply classical sorting, searching, optimization and graph algorithms	K3													3		2
			CO-5	Understand basic techniques for designing algorithms, including the techniques of recursion, divide-and-conquer and greedy.	K2													3		2
			Design And Analysis of Algorithm			3	3						3	3			3	3	1	2
36	BCS 054	V SEM	CO-1	Demonstrate the concept of visual modelling using UML.	K2	3	2	2		2							2	2		
			CO-2	Construct the applications for a range of problems using object-oriented programming techniques.	K6	3	2	2		3							3	2		
			CO-3	Analysis software patterns in OOD for recognize its applicability to other software development contexts.	K4	3	2	3		2							2	3		
			CO-4	Use a CASE tool to Evaluate appropriate analysis / design diagrams addressing a clearly defined problem.	K4	3	3	2		3							3	3		
			CO-5	Implement C++ programs for complex problems, making good use of the features of the language such as constructor, ,polymorphism,overloading and overriding.	K3	3	3	3		3							3	3		
			Object Oriented System Design			3	2	2		3							3	3		
37	BNC 501	V SEM	CO-1	To Understand and analyze the common methods in the user-centered design process and the Appropriateness of individual methods for a given problem.	K2	3														
			CO-2	To Understand the classic design standards, Guidelines and patterns.	K2	3	2											2		
			CO-3	To Understand the screen designs, information retrievals, statistical graphics and interface designs.	K2	3	2													
			CO-4	To Understand the selection of windows, Device based and Screen based control with the use of icons and colors in multimedia application.	K2	3	2	2			2	2						2		

			CO-5	To Understand the concepts of pointing devices, Speech recognition and Drivers. Apply building and software tools in interface technology and design.	K2	3					2	2								
			Human Computer Interface			3	2	2			2	2							1		
38	BCS 058	V SEM	CO-1	To understand the basic feature and modalities of the Indian Constitution	K2						2	2	3		2		2	1	1	2
			CO-2	To differentiate and relate the functionin g of the Indian Parlia ment System at National and State Level	K4			2			2	2	3	2	2		2	2	1	
			CO-3	To differentiate different aspects of INDIAN Legal Sytem and its related Bodies	K4	2		2			2	2	3	2	2	2	2	1	1	
			CO-4	To discuss different Laws and regulation related to Engineerin g practices	K3	2	2	2	2		3	3					2	2	1	
			CO-5	To understand the role of Engineers in different organisation and e- governance	K2	2		2			3	3		2	2	2		2	1	
			Constitution of India			2	2	2	2		2	2	3	2	2	2	2	2	1	2
39	BCS551	V SEM	CO-1	Design an information model expressed in the form of ER diagram.	K6	2	2	1			1		1	3	3	2	2	3	1	2
			CO-2	Apply SQL queries to implement and manipulate the database and provide different constraints.	K3	2	2				1			3	2	2	2	2	1	2
			CO-3	Apply structured query language to automate the real time problems of databases,	K3	2	1				1		1	3	2	2	2	2	1	2
			Database Management System Lab			2	2	1			1		1	3	2	2	2	2	1	2
40	BCS552	V SEM	CO-1	Able to design static web page and apply style sheets to web page.	K6	3	3	3	2	2	1			1		1	3	3	2	2
			CO-2	Able to perform client side validation and create basic bean using JAVA.	K6	3	3	3	2	2				1			3	2	2	2
			CO-3	Able to create XML file with the help of DTD.	K6	3	3	3	2	1				1		1	3	2	2	2
			Web Technology Lab			3	3	3	2	2	1			1		1	3	2	2	2
		V SEM	CO-1	Implement algorithm to solve problems by iterative approach	K6	3	3	2	2	2	1			1		1	3	3	2	2
			CO-2	Implement algorithm to solve problems by divide and conquer approach and Greedy algorithm approach	K6	3	3	2	2	2				1			3	2	2	2
41	BCS553		CO-3	Implement algorithm to solve problems by Dynamic programming,backtracking and branch and bound approach	K6	3	3	1	2	2				1		1	3	2	2	2
			Design And Analysis of Algorithm Lab			3	3	2	2	2	1			1		1	3	2	2	2
		V SEM	CO-1	To understand and able to practice acquired knowledge within the chosen area of technology for project development.	K2	2	1	2			2	1			2		3	3	3	
			CO-2	Discuss and Justify the Technical aspects of the chosen project with a comprehensive and systematic approach.	K2	2	2	2	2		2	2	2	2	2		3	3	3	2
			CO-3	To understand and able to work on hands-on projects on latest technology.	K2	2	2	2	1		2	2	1		2	1	3	3	3	2
			Mini Project			2	2	2	2		2	2	2	2	2	1	3	3	3	2
42	BCS554	VI SEM	CO-1	Understand the concept of SDLC through analysis of various implemantation methods and basics of quality process involved in its devlopments.	K2	3	2	1				1	1				1	1	3	
			CO-2	Apply requirments elicitation to create SRS document and their parameter specification after analysing feasibility.	K3	2	3	3	2	2	2	2	1	3	2		2	1	3	2
			CO-3	Understand and apply the design process of software devlopment and its metrics.	K2	3	2	3	2	2	2			2	2		2		3	2
			CO-4	Test the devloped Software while applying the different test strategies.	K3	3	2			2	1					2	2	2	3	2
43	KCS 601		CO-5	Application of post Implementation measure to combat cost issue while suggesting corrective measure to deal with risk.	K6	3			2	1		1		2		2			3	
			Software Engineering			3	2	2	2	2	2	1	1	2	2	2	2	1	3	2
		VI	CO-1	Understand the concept of decision making and simluation and modeling techniques.	K2	1	2	1	1	1	1	2	1	2	1	1	1	2	1	1
			CO-2	Student will able to analyze and manipulate the data and also able to learn new data analysis techniques.	K4	1	1	2	1	1	1	1		1			1	1	1	3
			CO-3	Student will able work with new collaboration and communication tools and technologies.	K3	1	1	2	3	2	2	1	1	2	1	1	1	3	2	3

		SEM	CO-4	Understand the term Artificial intelligence. Also able to learn and implement vaious AI concepts.Understand the idea of expert systems and their functionalities.	K2	1	1	1	3	2	1	1	1	1	1	1	1	2	1	1
44	KIT501		CO-5	Implement the various e-commerce methods with suitable tools and techniques.	K4	2	2	3	2	3	3	2	1	3	3	2	3	3	3	3
				Data Analytics		1	1	2	2	2	2	1	1	2	2	1	1	2	2	2
		VI SEM	CO-1	Understand the practical meaning and importance of 'Computer Networks'. Familiar with how transmission of data takes place, network topologies signal coding, Ethernet, ISDN and switching technologies.	K2	3	3	3	1	3	1	1	1	1	3		2	2	2	3
			CO-2	Able to grasp the significance of error control and error correction protocols, flow control, MAC protocols and sliding window protocols among data communication networks. They also exhibit the understanding of how computers communicate with each other and the methods employed to ensure that the communication is	K4	3	3	3	3	3	1				3		2	3	3	3
			CO-3	Apply the concepts of IP and other protocols in network layer for smooth functioning and maintenance of computer network. Also reveals confidence to work independently to setup and maintain computer and networking systems.	K3	2	3	3	2	3				2	2		3	2	3	1
			CO-4	Learn how the information is processed and managed at process to process delivery. They can also demonstrate attitudes that are beneficial to maintaining the security of a computer/network system and assisting people to use that system or network through cryptography and firewalls.	K1	2	3	2	2	2	1				3		2	2	2	1
45	KCS 603		CO-5	Manage to skilled with the working and practical knowledge of E-mail, FTP, Telnet, POP, DNS etc. on public and private networks.	K2	3	2	2	1	3	2				3		2	2	2	1
				Computer Networks		3	3	3	2	3	1	1	1	2	3		2	2	2	2
		VI SEM	CO-1	Understand basic of Big Data, and interpret the different related issues and application areas of Big data.	K2	1	2	1	1	1	1	2	1	2	1	1	1	2	1	1
			CO-2	Explain the concept of NoSQL, analysis of distributed model	K2	1	1	2	1	1	1	1		1			1	1	1	3
			CO-3	Understand the Hadoop basics, its architecture and Analyze & implementation of map-reduce functions	K2	1	1	2	3	2	2	1	1	2	1	1	1	3	2	3
			CO-4	Learn, explain and the analyse the essentials of MR1 and MR2, ,hadoop task scheduling,data comppression and data integrity.	K2	1	1	1	3	2	1	1	1	1	1	1	1	2	1	1
46	KCS 061		CO-5	Understand and implement Hadoop tools, including Hive, Pig, Cassandra and Hbase.	K2	2	2	3	2	3	3	2	1	3	3	2	3	3	3	3
				Big Data		1	1	2	2	2	2	1	1	2	2	1	1	2	2	2
		VI SEM	CO-1	Differentiate between the skills and roles of functional and technical managers for software efforts and their relationship with other organizations.	K4															
			CO-2	Produce specific sections of the plan used to manage the software development and maintenance efforts	K5	2	2		2							2			2	
			CO-3	Evaluate software project management practices within an organization and recommend practical improvements based upon your evaluation.	K5	2				3						2			2	
			CO-4	Apply schedule and cost techniques to determine a Basis of Estimate..	K3		2		2	1								1		2
47	KOE 068		CO-5	Analyze the cost benefit analysis and risk management.	K4		2	2	2				2						1	2
				Software Project Management		2	2	2	2	2			2			2		1	2	2
		VI SEM	CO-1	Demonstrate intercultural understanding required to effectively negotiate a diverse global society.	K2						1	3	3	1			1			
			CO-2	Critically engage with the products of culture, through interpretation or creative expression.	K3								3	1						
			CO-3	Understand diverse communities on local, national, and/or global levels.	K2						3	2					1			
			CO-4	The students would be able to understand & evaluate Grievances and Grievance handling Procedure. Also they would be able to comprehend the code of discipline and standing orders.	K2							3	3	3			1			
48	KCS 651		CO-5	Examine social and political structures in contemporary India	K5						3	1	2	1						
				Indian Tradition, Culture & Society							2	2	3	2			1			
		VI SEM	CO-1	Able to Plan the Software Engineering process life cycle under various requirments.	K3	1	2	2	2	1	2	1		2	2		2	3	3	2
			CO-2	Able to transform the requirments specification into a design using UML Models.	K4	2	3	3	3	3							1	2	3	
			CO-3	Able to Understand design pratically,using an appropriate software engineering methodology.	K2		2	2	1	2	2	2		2		2	1	2	2	2
				Software Engineering Lab		2	2	2	2	2	2	2		2	2	2	1	2	3	2
49	KIT551	VI	CO-1	Apply sorting algorithms on data sets in ML.	K3	3	3	3	3	3	1			1		1	3	3	2	2
			CO-2	Apply searching algorithm in ML.	K3	3	3	2	2	2				1			3	2	2	2

49	KIT551	SEM	CO-3	Implement and evalute the performance of KNN algorithm on different datasets.	K5																
			Data Analytics Lab			3	3	3	3	3	1			1		1	3	3	2	2
50	KCS 653	VI SEM	CO-1	Able to Plan the Software Engineering process life cycle under various requirments.	K3	1	2	2	2	1	2	1		2	2		2	3	3	2
			CO-2	Able to transform the requirments specification into a design using UML Models.	K4	2	3	3	3	3							1	2	3	
			CO-3	Able to Understand design pratically,using an appropriate software engineering methodology.	K2		2	2	1	2	2	2		2		2	1	2	2	2
			Computer Networks Lab			2	2	2	2	2	2	2		2	2	2	1	2	3	2
51	KCS 071	VII SEM	CO-1	Understand the basics of the theory and practice of Artificial Intelligence as a discipline and about i ntelligent agents.	K2	2	2	2	2	2		2		2	2	3	3	2	2	3
			CO-2	Understand search techniques and gaming theory.	K2	2	2	2	3	2		2			2	3	3	3	2	3
			CO-3	The student will learn to apply knowledge representation techniques and problem solving strategies to common AI applications.	K3,K4	2	3	2	3	2		2		2	2	3	3	2	2	3
			CO-4	Student should be aware of techniques used for classification and clustering.	K2,K3	2	2	2	2	3		2		2	2	3	3	2	2	3
			CO-5	Student should aware of basics of pattern recognition and steps required for it.	K2,K4	3	3		2	2						2	3	2	2	3
			Artificial Intelligence			2	2	2		2		2		2	2	3	3	2	2	3
52	KCS 711	VII SEM	CO-1	Explain and discuss issues in mobile computing and illustrate overview of wireless telephony and channel allocation in cellular systems.	K1, K4	3						3						3		2
			CO-2	Explore the concept of Wireless Networking and Wireless LAN.	K1	2	2			2	3					2	2	3		
			CO-3	Analyse and comprehend Data management issues like data replication for mobile computers, adaptive clustering for mobile wireless networks and Disconnected operations.	K4		3	2	2	3	2							3		2
			CO-4	Identify Mobile computing Agents and state the issues pertaining to security and fault tolerance in mobile computing environment.	K1, K2		2	2	3	2		2		2	2			3		2
			CO-5	Compare and contrast various routing protocols and will identify and interpret the performance of network systems using Adhoc networks.	K2			3	2							2		3		3
			Mobile Computing			3	2	2	2	2	3	3		2	2	2	2	3		2
53	KHU 702	VII SEM	CO-1	Student will be able to Understand the Need & scope of Entrepreneurship with its traits. Also come to know about the factors affecting Entrepreneurial Development, including motivation theories	K1, K2			3	2			2	2	2					2	
			CO-2	Student will be able to understande concept of innovation and its role in entrepreneurship, Acquire management skills essential for entrepreneurs, value creation and sustaining enterprising models,	K1, K2		2	2	3	2		2	3	2			2		2	2
			CO-3	Students will be able to assess the project on various viability/feasibility aspects.	K3		2	2	2	2	2	2		2		2		2		
			CO-4	The students will be able to prepare the financial statement and project report for economic viability and decision-making to check project output and entrepreneurial project proposal.	K3	2	2		2							2		2		
			CO-5	Students will be able to understand concept of social entreperneur and legal framework for social venture.	K2			3			3	2	2	2	2					2
			Project Management : Enterpreneurship			2	2	2	2	2	3	2	2	2	2	2	2	2	2	2
54	KOE 074	VII SEM	CO-1	Interpret basics of non conventional energy resources for society	K2	3	2									2		3		
			CO-2	Identify the importance of geo thermal energy	K3	2	2				2	3					2		3.00	
			CO-3	Compare between flat plate and focusing of collectors in solar thermal energy	K3	3			2		2					2	2	3	2.00	
			CO-4	Design the Thermo-electrical and thermionic Conversions for wind energy	K6	2						2		2	2			2	2.00	
			CO-5	Justify the requirements of fuel cells for energy generation	K5	3		2	2	1		3		2				3	2.00	
			Renewable Energy Resources			2.6	2.0	2.0	2.0	1.0	2.0	2.3		2.0	2.0	2.0	2.0	2.8	2.3	
55	KIT 751A	VII SEM	CO-1	Understand the fundamentals of knowledge representation and inference using prolog.	K2	3	3	2	2	2				3			2	2	3	2
			CO-2	Demonstrate working knowledge of reasoning in the presence of incomplete and/or uncertain information.	K2	3	3	3	2	2				2		2	2	2	3	2
			CO-3	Ability to apply knowledge representation, reasoning, and machine learning techniques to real world problems.	K3	3	3	2	2	3				2		2	2	2	2	2

				Artificial Intelligence LAB		3.0	3.0	2.3	2.0	2.3				2.3		2.0	2.0	2.0	2.7	2.0
56	KIT 752	VII SEM	CO-1	Participate in the projects in industries during his or her industrial training.	K4	2	2	2	2	2		3	3	3	2		2	2	2	2
			CO-2	Describe use of advanced tools and techniques encountered during industrial training and visit.	K2	2	2	2		2	2	3	3	3	2	2	2	2	2	2
			CO-3	Interact with industrial personnel and follow engineering practices and discipline prescribed in industry.	K4	2	2	2	2	2		3	3	3	2	2	2		2	2
				INTERNSHIP ASSESSMENT		2	2	2	2	2	2	3	3	3	2	2	2	2	2	2
57	KIT753	VII SEM	CO-1	Demonstrate a sound technical knowledge regarding project problem identification and formulation.	K2	3	3	3	3	3	3	2	2	3	2	3	3	3	3	3
			CO-2	Design engineering solutions to complex problems utilizing a systems approach.	K6	3	3	3	2	3			2	3	2	2	3	3	3	3
			CO-3	Communicate the outcome and related results regarding selected project, in written an oral forms.	K4					2			2	3	3		2	2	2	2
				PROJECT		3	3	3	3	3	3	2	2	3	2	3	2	2	2	2
58	KHU 801	VIII	CO-1	Students are able to understand the definitions, concepts and components of Rural Development.	K2			2			2	2		2			2		2	
			CO-2	Students will be able to know the importance, structure, significance, resources of Indian rural economy & also able to identify & inspect, the importance of present policies & programs of	K3			2			2	2		2			2		2	
			CO-3	Students will have a clear idea about the area development programs and its impact.	K2			2			2	2		2			2		2	
			CO-4	Students will be able to acquire knowledge & Skills about rural entrepreneurship so that they will be able to opt entrepreneurship as major career option.	K1			2			2	2		2			2		2	
			CO-5	Students will be able to understand about the using of different methods for human resource planning in the rural areas especially.	K2			2			2	2		2			2		2	
				KHU 801 - Rural Development: Administration & Planning				2			2	2		2			2		2	
59	KOE 083	VIII	CO-1	Describe the concept and role of Entrepreneurship, Industrial Growth and Entrepreneurship Ecosystem	K3	2								2						
			CO-2	Demonstrate stage of Entrepreneurship Project and Functions Associated with Each Stage	K2	1.0	2.0		2.0	2.0	1.0			2.0					1.0	
			CO-3	Articulate an Entrepreneurial Project Proposal.	K2	1	1				1			2	2	2	1			
			CO-4	Carry out Project Planning, Monitoring and Control.	K3	1					1						1			
			CO-5	Assess the Project on Various Viability/Feasibility Aspects.	K1	1					2			2	1		1			
				KOE 083 - Entrepreneurship Devlopment		1.2	1.5		2	2	1.25			2	1.5	2	1		1	
60	KOE 094	VIII	CO-1	Explain the Evolution and Landscape of Digital Marketing.	K3	1	2	2	3	3	2					2	2	2	2	3
			CO-2	Analyze the Social Media Marketing Strategy for Consumer Engagement	K2	3.0	3.0	2.0	3.0	3.0	3.0					2.0	2.0	2.0	2.0	3.0
			CO-3	Interpret the concepts of various Digital Promotion Strategies	K2	3	3	2	3	3	2					2	2	2	2	3
			CO-4	Evaluate the CRM and web analytics techniques	K3	3	3	2	3	3	3					2	2	2	2	3
			CO-5	Use social media analytics and integrative media strategie	K1	3	3	2	3	3	3					2	2	2	2	3
				KOE 094 - Digital & Social Media Marketing		2.6	2.8	2	3	3	2.6					2	2	2	2	3
61	KCS 851	VIII	CO-1	Develop proficiency in implementing project tasks and presenting project progress effectively, meeting the requirements.	K2	3				2	3			3	2	2	2	2	2	2
			CO-2	Demonstrate mastery in adhering to project report formatting guidelines, ensuring that the report meets the standards.	K3	3.0	3.0								2.0	2.0			1.0	2.0
			CO-3	Identify and integrate prior learning and subject-specific topics and information relevant to the project	K2	3	3	2		3				3	2	2		2	3	3
			CO-4	Define project contents appropriately, ensuring that all relevant aspects are adequately covered	K1	3	3	2	2	3					2			1	3	2
			CO-5	Develop proficiency in preparing research papers for publication and delivering presentations that effectively communicate research findings to academic or professional audiences.	K2	3	2	2		1				1	2				3	2
				KCS 851 - PROJECT		3	2.75	2	2	2.3	3			2.3	2	2	2	1.7	2.4	2.2

Meerut Institute of Engineering and Technology, Meerut

Compiled Record of Mapping of Course Outcomes (COs) with Program Outcomes (POs) and Program Specific Outcomes (PSOs)

Dept of Information Technology : Batch 2021-25

S. No.	Session	Sem	Subject Code	Subject Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2	PSO 3
					Engineering knowledge	Problem Analysis	Design/development of solutions	Conduct investigations of complex problems	Modern tool usage	The Engineer and Society	Environment & sustainability	Ethics	Individual and team work	Communications	Project management and finance	Life Long Learning			
1	2021-22	I	KAS102T	Engineering Chemistry	3.0	2.0				2.0	2.0					2.0			
2	2021-22	I	KAS103T	Engineering Mathematics-I	3.00	3.00	3.00	3.00								2.00			
3	2021-22	I	KEC101T	Emerging Domain in Electronics Engineering	3	2.75	2.5									3			
4	2021-22	I	KME101T	Fundamentals of Mechanical Engineering & Mechatronics	3	2			2	2	2	2				2			
5	2021-22	I	KMC102	Emerging Technology for Engineering	2	2	2	2								2			
6	2021-22	I	KAS152P	Engineering Chemistry Lab	2.20	2.00				2.00	2.00		2.00			2.00			
7	2021-22	I	KEC151P	Electronics Engineering Lab	3	3	3						2	2		2			
8	2021-22	I	KAS154P	English Language Lab									2	2		2			
9	2021-22	I	KWS151P	Mechanical Workshop Lab	2.4				2	2	2	2	2.4			2			
10	2021-22	II	KAS201T	Engineering Physics	3	2.6	2.5									3			
11	2021-22	II	KAS203T	Engineering Mathematics-II	3	3	3	3								2			
12	2021-22	II	KEE201T	Basic Electrical Engineering	3	2.4	3									2.2			
13	2021-22	II	KCS201T	Programming for Problem Solving	3	3	3									3			
14	2021-22	II	KMC201	AI For Engineering	2	2	2												
15	2021-22	II	KAS251P	Engineering Physics Lab	2.6	2	2					2	3			2			
16	2021-22	II	KEE251P	Basic Electrical Engineering Lab	2.8	2.4	2	2		2						2			
17	2021-22	II	KCS251P	Programming for Problem Solving	2.8	2.8	2.8									3			
18	2021-22	II	KCE251P	Engineering Graphics & Design Lab	3	2	2		3				2	2		2			
19	2022-23	III	KOE034	Sensor & Instrumentation	2.8	1.7	1.8		1.0							2.5		1.0	1.8

20	2022-23	III	KAS301	Technical Communication	2.4	2.0	2.3		1.8	2.7	2.0	3.0		3.0		3.0	2.0	1.7	2.3
21	2022-23	III	KCS301	Data Structure	2.8	1.4	1.0	1.4	2.0				1.0		2.0	2.6	1.0	3.0	3.0
22	2022-23	III	KCS302	Computer Organization and Architecture	2.4	2.0	1.2	2.2	2.6	1.0	1.0	1.0	1.0	2.6	2.2	2.6	1.8	2.6	2.4
23	2022-23	III	KCS303	Discrete Structures & Theory of Logic	2.4	2.0	2.5	2.5	1.0	1.0			1.0			1.0	2.2	2.0	2.0
24	2022-23	III	KCS351	Data Structures Using C Lab	3	1	1	2	2		1		2	1	2	3	1	3	3
25	2022-23	III	KCS352	Computer Organization Lab	1	1	2	2	1				1		1	2	2	1	1
26	2022-23	III	KCS353	Discrete Structure & Logic Lab	3	2	2	2	2	2		1				1	1	1	
27	2022-23	III	KCS354	Mini Project or Internship Assessment	2	2	2	1		2	2	2	2	2	1	3	3	3	2
28	2022-23	III	KNC302	Python Programming	2.4	2.0	2.2	2.0		2.0						2.0	2.0	2.0	2.5
29	2022-23	IV	KAS402	Maths IV	2.4	3	2.5	1.8	2.2	1	2	2	1	1	2.4	1	2.8	2.5	2
30	2022-23	IV	KVE401	Universal Human Values							2	3	3			3			
31	2022-23	IV	KCS401	Operating Systems	3	1	1	1	2		1		1	1	2	3	1	3	3
32	2022-23	IV	KCS402	Theory of Automata and Formal Languages	2	2	1	2	1	1						2	2	1	2
33	2022-23	IV	KIT401	Web Designing	3	2	3		3	2			2	2		1	3	2	2
34	2022-23	IV	KCS451	Operating Systems Lab	3	2	1	3	3		1		1	2	3	3	1	3	3
35	2022-23	IV	KIT451	Web Designing Lab	3	3	2	2	2	1			1		1	3	2	2	2
36	2022-23	IV	KCS453	Python Language Programming Lab	1	1	2	2	1				1		1	2	2	1	1
37	2022-23	IV	KNC401	Computer System Security	3	2	2	2	3	1			1			1	3	2	2
38	2023-24	V	KCS501	Database Management System	3	2	2			2	2						3	1	1
39	2023-24	V	KIT501	Web Technology	3	3				3						3	3	1	1
40	2023-24	V	KCS503	Design and Analysis of Algorithm	3	3						3	3			3	3	1	2
41	2023-24	V	KCS054	Object Oriented System Design	3	2	2		3							3	3		
42	2023-24	V	KCS058	Human Computer Interface	3	2	2			2	2						1		
43	2023-24	V	KCS551	Database Management System Lab	2	2	1			1		1	3	2	2	2	2	1	2
44	2023-24	V	KIT551	Web Technology Lab	3	3	3	2	2	1			1		1	3	2	2	2
45	2023-24	V	KCS553	Design and Analysis of Algorithm Lab	3	3	2	2	2	1			1		1	3	2	2	2
46	2023-24	V	KCS554	Mini Project or Internship Assessment	2	2	2	2		2	2	2	2	2	1	3	3	3	2

47	2023-24	V	KNC501	CONSTITUTION OF INDIA, LAW AND ENGINEERING	2	2	2	2		2	2	3	2	2	2	2	2	1	2
48	2023-24	VI	KCS601	Software Engineering	3	2	2	2	2	2	1	1	2	2	2	2	1	3	2
49	2023-24	VI	KIT601	Data Analytics	1	1	2	2	2	2	1	1	2	2	1	1	2	2	2
50	2023-24	VI	KCS603	Computer Networks	3	3	3	2	3	1	1	1	2	3		2	2	2	2
51	2023-24	VI	KCS061	Big Data	1	1	2	2	2	2	1	1	2	2	1	1	2	2	2
52	2023-24	VI	KOE068	SOFTWARE PROJECT MANAGEMENT	2	2	2	2	2			2			2		1	2	2
53	2023-24	VI	KCS651	Software Engineering Lab	2	2	2	2	2	2	2		2	2	2	1	2	3	2
54	2023-24	VI	KIT651	Data Analytics Lab	3	3	3	3	3	1			1		1	3	3	2	2
55	2023-24	VI	KCS653	Computer Networks Lab	2	2	2	2	2	2	2		2	2	2	1	2	3	2
56	2023-24	VI	KNC602	INDIAN TRADITION, CULTURE AND SOCIETY						2	2	3	2			1			
57	2024-25	VII	KHU702	PROJECT MANAGEMENT & ENTREPRENEURSHIP	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2
58	2024-25	VII	KCS071	Artificial Intelligence	2	2	2		2		2		2	2	3	3	2	2	3
59	2024-25	VII	KCS711	Mobile Computing	3	2	2	2	2	3	3		2	2	2	2	3		2
60	2024-25	VII	KOE074	RENEWABLE ENERGY RESOURCES	2.6	2.0	2.0	2.0	1.0	2.0	2.3		2.0	2.0	2.0	2.0	2.8	2.3	
61	2024-25	VII	KIT751A	Artificial Intelligence Lab	3.0	3.0	2.3	2.0	2.3				2.3		2.0	2.0	2.0	2.7	2.0
62	2024-25	VII	KIT752	Mini Project or Internship Assessment*	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2
63	2024-25	VII	KIT753	Project I	3	3	3	3	3	3	2	2	3	2	3	2	2	2	2
64	2024-25	VIII	KHU801	RURAL DEVELOPMENT: ADMINISTRATION AND PLANNING			2			2	2		2			2		2	
65	2024-25	VIII	KOE083	ENTREPRENEURSHIP DEVELOPMENT	1.2	1.5		2	2	1.25			2	1.5	2	1		1	
66	2024-25	VIII	KOE094	DIGITAL AND SOCIAL MEDIA MARKETING	2.6	2.8	2	3	3	2.6					2	2	2	2	3
67	2024-25	VIII	KIT851	Project II	3	2.75	2	2	2.3	3			2.3	2	2	2	1.7	2.4	2.2

Overall	**2.51**	**2.23**	**2.13**	**2.04**	**2.04**	**1.83**	**1.80**	**1.91**	**1.85**	**1.95**	**1.80**	**2.17**	**2.11**	**2.00**	**2.10**