

COMPUTER SCIENCE & ENGINEERING

Semester	Paper Code	Name of Elective Course	Course offered	2023-24
				No of Students opted
III	BOE304	Energy Science & Engineering	YES	92
IV	BAS403	Math IV	YES	92
V	KCS-051	Data Analytics	NO	0
	KCS-052	Web Designing	NO	0
	KCS-053	Computer Graphics	NO	0
	KCS-054	Object Oriented System Design	YES	72
	KCS-055	Machine Learning Techniques	YES	72
	KCS-056	Application of Soft Computing	YES	72
	KCS-057	Augmented & Virtual Reality	NO	0
	KCS-058	Human Computer Interface	NO	0
VI	KCS-061	Big Data	NO	0
	KCS-062	Image Processing	NO	0
	KCS-063	Real Time Systems	NO	0
	KCS-064	Data Compression	YES	72
	KOE060	IDEA TO BUSINESS MODEL	NO	0
	KOE061	REAL TIME SYSTEMS	NO	0
	KOE062	EMBEDDED SYSTEM	NO	0
	KOE063	INTRODUCTION TO MEMS	NO	0
	KOE064	OBJECT ORIENTED PROGRAMMING	NO	0
	KOE065	COMPUTER BASED NUMERICAL TECHNIQUES	NO	0
	KOE066	GIS & REMOTE SENSING	NO	0
	KOE067	BASICS OF DATA BASE MANAGEMENT SYSTEM	NO	0
	KOE068	SOFTWARE PROJECT MANAGEMENT	YES	72
KOE069	*UNDERSTANDING HUMAN BEING, NATURE AND EXISTENCE COMPREHENSIVELY	NO		
VII	KHU701	HSMC1: Rural Development	YES	87
	KAI071	Optimization in Machine Learning	NO	0
	KCS072	Natural language processing	NO	0
	KAI073	Text Analytics and Natural Language Processing	NO	0
	KCS074	Cryptography and Network Security	YES	87
	KAI075	Data Warehousing and Data Mining	YES	87
	KAI076	Time series analysis and Forecasting	NO	0
	KAI077	Software Engineering	NO	0
	KAI078	Nature-Inspired Computing	NO	0
	KAI079	Distributed Computing System	NO	0
	KCS710	Quantum Computing	NO	0
	KCS711	Mobile Computing	YES	87
	KCS710	Internet of Things	NO	0
	KCS713	Cloud Computing	NO	0
	KCS714	Blockchain Architecture Design	NO	0
	KOE071	FILTER DESIGN	NO	0
	KOE072	BIOECONOMICS	NO	0
	KOE073	MACHINE LEARNING	YES	87
	KOE074	RENEWABLE ENERGY RESOURCES	YES	87
	KOE075	OPERATIONS RESEARCH	NO	0
	KOE076	VISION FOR HUMANE SOCIETY	NO	0
KOE077	DESIGN THINKING	NO	0	
KOE078	SOIL AND WATER CONSERVATION ENGINEERING	NO	0	
KOE079	INTRODUCTION TO WOMEN'S AND GENDER STUDIES	NO	0	
	KHU802	HSMC2: Project Management and Entrepreneurship	YES	87

VIII

KOE-081	CLOUD COMPUTING	YES	87
KOE-082	BIO MEDICAL SIGNAL PROCESSING	NO	0
KOE-083	ENTREPRENEURSHIP DEVELOPMENT	NO	0
KOE-084	INTRODUCTION TO SMART GRID	NO	0
KOE-085	QUALITY MANAGEMENT	NO	0
KOE-086	INDUSTRIAL OPTIMIZATION TECHNIQUES	NO	0
KOE-087	VIROLOGY	NO	0
KOE-088	NATURAL LANGUAGE PROCESSING	NO	0
KOE-089	**HUMAN VALUES IN MADHYASTH DARSHAN	NO	0
KOE-091	AUTOMATION AND ROBOTICS	NO	0
KOE-092	COMPUTERIZED PROCESS CONTROL	NO	0
KOE-093	DATA WAREHOUSING & DATA MINING	YES	87
KOE-094	DIGITAL AND SOCIAL MEDIA MARKETING	NO	0
KOE-095	MODELING OF FIELD-EFFECT NANO DEVICES	NO	0
KOE-096	MODELLING AND SIMULATION OF DYNAMIC SYSTEMS	YES	87
KOE-097	BIG DATA	NO	0
KOE-098	**HUMAN VALUES IN BUDDHA AND JAIN DARSHAN	NO	0
KOE-099	**HUMAN VALUES IN VEDIC DARSANA	NO	0



COMPUTER SCIENCE & ENGINEERING (AI & ML)				
Semester	Paper Code	Name of Elective Course	Course offered	2023-24
				No of Students opted
III	BOE304	Energy Science & Engineering	YES	51
IV	BAS403	Math IV	YES	51
V	KAI051	Mathematical Foundation AI , ML and Data Science	NO	0
	KCS052	Web Designing	YES	12
	KDS051	Business Intelligence and Analytics	NO	0
	KCS054	Object Oriented System Design	NO	0
	KDS052	Distributed System	NO	0
	KML051	Cloud Computing	YES	12
	KAI052	Natural Language Processing	NO	0
	KCS056	Application of Soft Computing	NO	0
	KAI053	Intelligent Database System	NO	0
VI	KCS502	Compiler Design	NO	0
	KOE060	IDEA TO BUSINESS MODEL	NO	0
	KOE061	REAL TIME SYSTEMS	NO	0
	KOE062	EMBEDDED SYSTEM	NO	0
	KOE063	INTRODUCTION TO MEMS	NO	0
	KOE064	OBJECT ORIENTED PROGRAMMING	YES	12
	KOE065	COMPUTER BASED NUMERICAL TECHNIQUES	NO	0
	KOE066	GIS & REMOTE SENSING	NO	0
	KOE067	BASICS OF DATA BASE MANAGEMENT SYSTEM	NO	0
	KOE068	SOFTWARE PROJECT MANAGEMENT	YES	12
KOE069	*UNDERSTANDING HUMAN BEING, NATURE AND EXISTENCE COMPREHENSIVELY	NO	0	
VII	KHU701	HSMC1: Rural Development	YES	5
	KAI071	Optimization in Machine Learning	NO	0
	KCS072	Natural language processing	NO	0
	KAI073	Text Analytics and Natural Language Processing	NO	0
	KCS074	Cryptography and Network Security	YES	5
	KAI075	Data Warehousing and Data Mining	YES	5
	KAI076	Time series analysis and Forecasting	NO	0
	KAI077	Software Engineering	NO	0
	KAI078	Nature-Inspired Computing	NO	0
	KAI079	Distributed Computing System	NO	0
	KCS710	Quantum Computing	NO	0
	KCS711	Mobile Computing	YES	5
	KCS710	Internet of Things	NO	0
	KCS713	Cloud Computing	NO	0
	KCS714	Blockchain Architecture Design	NO	0
	KOE071	FILTER DESIGN	NO	0
	KOE072	BIOECONOMICS	NO	0
	KOE073	MACHINE LEARNING	YES	5
	KOE074	RENEWABLE ENERGY RESOURCES	YES	5
	KOE075	OPERATIONS RESEARCH	NO	0
	KOE076	VISION FOR HUMANE SOCIETY	NO	0
	KOE077	DESIGN THINKING	NO	0
	KOE078	SOIL AND WATER CONSERVATION ENGINEERING	NO	0
KOE079	INTRODUCTION TO WOMEN'S AND GENDER STUDIES	NO	0	
	KHU802	HSMC2: Project Management and Entrepreneurship	YES	87
	KOE-081	CLOUD COMPUTING	YES	5
	KOE-082	BIO MEDICAL SIGNAL PROCESSING	NO	0
	KOE-083	ENTREPRENEURSHIP DEVELOPMENT	NO	0
	KOE-084	INTRODUCTION TO SMART GRID	NO	0
	KOE-085	QUALITY MANAGEMENT	NO	0
	KOE-086	INDUSTRIAL OPTIMIZATION TECHNIQUES	NO	0
	KOE-087	VIROLOGY	NO	0

VIII	KOE-088	NATURAL LANGUAGE PROCESSING	NO	0
	KOE-089	**HUMAN VALUES IN MADHYASTH DARSHAN	NO	0
	KOE-091	AUTOMATION AND ROBOTICS	NO	0
	KOE-092	COMPUTERIZED PROCESS CONTROL	NO	0
	KOE-093	DATA WAREHOUSING & DATA MINING	YES	5
	KOE-094	DIGITAL AND SOCIAL MEDIA MARKETING	NO	0
	KOE-095	MODELING OF FIELD-EFFECT NANO DEVICES	NO	0
	KOE-096	MODELLING AND SIMULATION OF DYNAMIC SYSTEMS	YES	5
	KOE-097	BIG DATA	NO	0
	KOE-098	**HUMAN VALUES IN BUDDHA AND JAIN DARSHAN	NO	0
	KOE-099	**HUMAN VALUES IN VEDIC DARSANA	NO	0



BIOTECHNOLOGY ENGINEERING				
Semester	Paper Code	Name of Elective Course	Course offered	2023-24
				No of Students opted
III	BAS304	MATHS V	NO	0
	BOE301	Electric and Hybrid Vehicles	NO	0
	BOE302	Automation and Robotics	NO	0
	BOE303	Material Science	NO	0
	BOE304	Energy Science & Engineering	Yes	19
	BOE305	Sensor & Instrumentation	NO	0
	BOE306	Basics Data Structure & Algorithms	NO	0
	BOE307	Basics of Database Management Systems	NO	0
	BOE308	Analog Electronics Circuits	NO	0
	BOE309	Electronics Engineering	NO	0
	BOE310	Digital Electronics	NO	0
	BOE311	Polymer Science and Technology	NO	0
	BOE312	Laser System and Applications	NO	0
	BOE313	Food Science and Nutrition	NO	0
BOE314	Building Science and Engineering	NO	0	
IV	BAS404	MATHS V	YES	19
	BOE401	Electric and Hybrid Vehicles	NO	0
	BOE402	Automation and Robotics	NO	0
	BOE403	Material Science	NO	0
	BOE404	Energy Science & Engineering	NO	0
	BOE405	Sensor & Instrumentation	NO	0
	BOE406	Basics Data Structure & Algorithms	NO	0
	BOE407	Basics of Database Management Systems	NO	0
	BOE408	Analog Electronics Circuits	NO	0
	BOE409	Electronics Engineering	NO	0
	BOE410	Digital Electronics	NO	0
	BOE411	Polymer Science and Technology	NO	0
	BOE412	Laser System and Applications	NO	0
BOE413	Food Science and Nutrition	NO	0	
V	BOE414	Building Science and Engineering	NO	0
	KNC401	Computer System Security	No	0
	KNC 402	Python Programming	YES	19
	KBT051	Pharmaceutical Biotechnology	NO	0
	KBT052	Nano Biotechnology	NO	0
	KBT053	Biomedical Instrumentation	NO	0
	KBT054	Metabolic Engineering	YES	5
	KBT-055	Biofuels and alcohol technology	YES	5
	KBT-056	Descriptive Statistics & Process Control	NO	0
	KBT-057	3-D Printing	NO	0
	KBT-058	Molecular modelling and drug design	NO	0
	KBT-061	Animal Biotechnology	YES	5
	KBT-062	Biomarker & Diagnostics	NO	0

VI	KBT-063	Food Biotechnology	NO	0
	KBT-064	Entrepreneurship in Biotechnology	NO	0
	KOE060	IDEA TO BUSINESS MODEL PROGRAM	YES	6
	KOE061	REAL TIME SYSTEMS	NO	0
	KOE062	EMBEDDED SYSTEM	NO	0
	KOE063	INTRODUCTION TO MEMS	NO	0
	KOE064	OBJECT ORIENTED	NO	0
	KOE065	COMPUTER BASED NUMERICAL TECHNI	NO	0
VII	KOE066	GIS & REMOTE SENSING	NO	0
	KOE067	BASICS OF DATA BASE MANAGEMENT S	NO	0
	KOE068	SOFTWARE PROJECT MANAGEMENT	NO	0
	KOE069	COMPREHENSIVELY- HUMAN	NO	0
	KBT071	Genomics and Proteomics	No	0
	KBT072	Bioseparation and Downstream Processing	No	0
	KBT073	Environmental Biotechnology	Yes	6
	KBT074	Industrial Biotechnology	No	0
	KBT075	Biosafety, Bioethics, IPR & Patents	No	0
	KBT076	Quality Control and Regulatory affairs	No	0
	KBT077	Biomaterials	No	0
	KBT078	Biostatistics & design of experiments	No	0
	KBT751A	Genomics and Proteomic Lab	No	0
	KBT751B	Bioseparation and Downstream Processing	No	0
	KBT751C	Environmental Biotechnology Lab	Yes	6
	KBT751D	Industrial Biotechnology Lab	No	0
	KOE071	Filter Design	No	0
	KOE072	Bioeconomics	No	0
	KOE073	Machine Learning	No	0
	KOE074	Renewable Energy Resources	Yes	6
KOE075	Operation Research	No	0	
KOE076	Vision for humane society	No	0	
KOE077	Design Thinking	No	0	
VIII	KOE078	Soil and Water Conservation	No	0
	KOE079	Introduction to women's and gender studies	No	0
	KHU701	planning	Yes	6
	KHU702	Project management & entrepreneurship	No	0
	KOE-080	Fundamentals of drone technology	No	0
	KOE-081	Cloud computing	No	0
	KOE-082	Bio medical signal processing	No	0
	KOE-083	Entrepreneurship Development	No	0
	KOE-084	Introduction to smart grid	No	0
	KOE-085	Quality management	No	0
	KOE-086	Industrial optimization techniques	No	0
	KOE-087	Virology	Yes	6
	KOE-088	Natural language processing	No	0
	KOE-089	**Human values in madhyasth darshan	No	0
	KHU801	planning	No	0
	KHU802	Project management & entrepreneurship	Yes	6
KOE-090	Electric vehicles	No	0	

KOE-091	Automation and robotics	No	0
KOE-092	Computerized process control	No	0
KOE-093	Data warehousing & data mining	No	0
KOE-094	Digital and social media marketing	Yes	6
KOE-095	Modeling of field-effect nano devices	No	0
KOE-096	Modelling and simulation of dynamic systems	No	0
KOE-097	Big data	No	0
KOE-098	Human values in buddha and jain darshan	No	0
KOE-099	Human values in vedic darsana	No	0



CIVIL ENGINEERING- 2023-24

Semester	Paper Code	Name of Elective Course	Course offered	No of Students opted
III	BAS302	Maths - III	YES	11
	BAS303	Maths - IV	NO	0
	BAS304	Maths - V	NO	0
IV	BCE301	Engineering Mechanics	NO	0
	BOE403	Material Science	NO	0
	BOE404	Energy Science & Engineering	YES	11
	BOE405	Sensor & Instrumentation	NO	0
	BOE406	Basics Data Structure & Algorithms	NO	0
V	KCE-051	Concrete Technology	YES	10
	KCE-052	Modern Construction Materials	NO	0
	KCE-053	Open Channel Flow	NO	0
	KCE-054	Engineering Geology	NO	0
	KCE-055	Engineering Hydrology	YES	10
	KCE-056	Technologies for Civil Engineering Applications	NO	0
	KCE-057	Air and Noise Pollution Control	YES	0
	KCE-058	GIS and Advance Remote Sensing	NO	0
VI	KCE-061	Advance Structure Analysis	NO	0
	KCE-062	River Engineering	YES	10
	KCE-063	Repair and rehabilitation of structure	NO	0
	KCE-064	Foundation Design	NO	0
	KOE060	Idea to business model	NO	0
	KOE061	Real time system	NO	8
	KOE062	Embeded system	NO	0
	KOE063	Introduction to mems	NO	0
	KOE064	Object oriented Programming	NO	8
	KOE065	Computer based Numerical Techniques	NO	0
	KOE066	GIS & Remote Sensing	YES	10
	KOE067	Basics of Data base management system	NO	0
	KOE068	Software Project Management	NO	0
VII	KCE-070	Railway waterway and Airway engineering	YES	14
	KCE-071	Sustainable construction Method	NO	0
	KCE-072	Probabity method in civil engineering	YES	6
	KCE-073	Advance Concrete Design	NO	0
	KCE-074	Solid Waste Management	NO	0
	KCE-075	Design of steel structure	NO	0
	KCE-076	Urban Transportation Planning	NO	0
	KCE-077	Geosynthetics and reinforced soil structure	NO	0
	KCE-078	Irrigation and Water resource Engineering	YES	14
	KCE-079	Disaster preparedness and management	NO	0
	KOE071	Filter Design	YES	0
	KOE072	Bioeconomics	NO	0
	KOE073	Machine Learning	NO	0
	KOE074	Renewable Energy Resources	YES	14
	KOE075	Operation research	NO	0
KOE076	Vision for Human Sociaty	YES	0	
KOE077	Design Thinking	NO	0	
KOE078	Soil and Wter conservation Engineering	NO	0	
KOE079	Introduction to womens and Gender studies	NO	0	
	KOE-080	FUNDAMENTALS OF DRONE TECHNOLOGY	NO	0
	KOE-081	CLOUD COMPUTING	NO	0
	KOE-082	BIO MEDICAL SIGNAL PROCESSING	NO	0
	KOE-083	ENTREPRENEURSHIP DEVELOPMENT	NO	0
	KOE-084	INTRODUCTION TO SMART GRID	NO	0
	KOE-085	QUALITY MANAGEMENT	YES	14
	KOE-086	INDUSTRIAL OPTIMIZATION TECHNIQUES	NO	0

VIII	KOE-087	VIROLOGY	NO	0
	KOE-088	NATURAL LANGUAGE PROCESSING	NO	0
	KOE-089	**HUMAN VALUES IN MADHYASTH DARSHAN	NO	0
	KOE-090	ELECTRIC VEHICLES	NO	0
	KOE-091	AUTOMATION AND ROBOTICS	NO	0
	KOE-092	COMPUTERIZED PROCESS CONTROL	NO	0
	KOE-093	DATA WAREHOUSING & DATA MINING	NO	0
	KOE-094	DIGITAL AND SOCIAL MEDIA MARKETING	YES	14
	KOE-095	MODELING OF FIELD-EFFECT NANO DEVICES	NO	0
	KOE-096	MODELLING AND SIMULATION OF DYNAMIC SYSTEMS	NO	0
	KOE-097	BIG DATA	NO	0
	KOE-098	**HUMAN VALUES IN BUDDHA AND JAIN DARSHAN	NO	0
	KOE-099	**HUMAN VALUES IN VEDIC DARSANA	NO	0



ELECTRONICS AND COMMUNICATION ENGINEERING- 2023-24				
Semester	Paper Code	Name of Elective Course	Course offered	No of Students opted
III	BOE301	Electric and Hybrid Vehicles	YES	22
	BOE302	Automation and Robotics	NO	0
	BOE303	Material Science	NO	0
	BOE304	Energy Science & Engineering	NO	0
	BOE305	Sensor & Instrumentation	NO	0
	BOE306	Basics Data Structure & Algorithms	NO	0
	BOE307	Basics of Database Management Systems	NO	0
	BOE311	Polymer Science and Technology	NO	0
	BOE312	Laser System and Applications	NO	0
	BOE313	Food Science and Nutrition	NO	0
BOE314	Building Science and Engineering	NO	0	
V	KEC-051	Computer Architecture and Organization	NO	0
	KEC-052	Industrial Electronics	NO	0
	KEC-053	VLSI Technology	YES	3
	KEC-054	Advance Digital Design using Verilog	NO	0
	KEC-055	Electronics Switching	NO	0
	KEC-056	Advance Semiconductor Device	NO	0
	KEC-057	Electronics Measurement & Instrumentation	YES	3
	KEC-058	Optical Communication	NO	0
VI	KEC-061	Microcontroller & Embedded System Design	NO	0
	KEC-062	Satellite Communication	YES	3
	KEC-063	Data Communication Networks	NO	0
	KEC-064	Analog Signal Processing	NO	0
	KEC-065	Random Variables & Stochastic Process	NO	0
	KEC-653A	Measurement & Instrumentation Lab	YES	3
	KEC-653B	Cad for Electronics Lab	NO	0
	KEC-653C	Microcontroller & Embedded System Design Lab	NO	0
	KOE060	IDEA TO BUSINESS MODEL PROGRAMMING	YES	3
	KOE061	REAL TIME SYSTEMS	NO	0
	KOE062	EMBEDDED SYSTEM	NO	0
	KOE063	INTRODUCTION TO MEMS	NO	0
	KOE064	OBJECT ORIENTED	NO	0
	KOE065	COMPUTER BASED NUMERICAL TECHNIQUES	NO	0
	KOE066	GIS & REMOTE SENSING	NO	0
KOE067	BASICS OF DATA BASE MANAGEMENT SYSTEM	NO	0	
KOE068	SOFTWARE PROJECT MANAGEMENT	NO	0	
KOE069	*UNDERSTANDING THE HUMAN BEING COMPREHENSIVELY- HUMAN ASPIRATIONS AND ITS FULFILLMENT	NO	0	
VII	KEC-071	Digital Image Processing	NO	0
	KEC-072	VLSI Design	NO	0
	KEC-073	Optical Network	YES	8
	KEC-074	Microwave & Radar Engineering	NO	0
	KEC-075	Information Theory & Coding	NO	0
	KEC-076	Wireless & Mobile Communication	YES	8
	KEC-077	Micro & Smart Systems	NO	0
	KEC-078	Speech Processing	NO	0
	KEC751A	Digital Image Processing Lab	NO	0
	KEC751B	VLSI Design Lab	NO	0
	KEC751C	Optical System and Networking Lab	YES	8
	KEC751D	Microwave & Radar Engineering Lab	NO	0
	KOE071	FILTER DESIGN	NO	0
	KOE072	BIOECONOMICS	NO	0
	KOE073	MACHINE LEARNING	NO	0
	KOE074	RENEWABLE ENERGY RESOURCES	YES	8
	KOE075	OPERATIONS RESEARCH	NO	0
	KOE076	VISION FOR HUMANE SOCIETY	NO	0
KOE077	DESIGN THINKING	NO	0	
KOE078	SOIL AND WATER CONSERVATION ENGINEERING	NO	0	

	KOE079	INTRODUCTION TO WOMEN'S AND GENDER STUDIES	NO	0
VIII	KOE-080	FUNDAMENTALS OF DRONE TECHNOLOGY	NO	0
	KOE-081	CLOUD COMPUTING	NO	0
	KOE-082	BIO MEDICAL SIGNAL PROCESSING	NO	0
	KOE-083	ENTREPRENEURSHIP DEVELOPMENT	NO	0
	KOE-084	INTRODUCTION TO SMART GRID	NO	0
	KOE-085	QUALITY MANAGEMENT	YES	8
	KOE-086	INDUSTRIAL OPTIMIZATION TECHNIQUES	NO	0
	KOE-087	VIROLOGY	NO	0
	KOE-088	NATURAL LANGUAGE PROCESSING	NO	0
	KOE-089	**HUMAN VALUES IN MADHYASTH DARSHAN	NO	0
	KOE-090	ELECTRIC VEHICLES	NO	0
	KOE-091	AUTOMATION AND ROBOTICS	NO	0
	KOE-092	COMPUTERIZED PROCESS CONTROL	NO	0
	KOE-093	DATA WAREHOUSING & DATA MINING	NO	0
	KOE-094	DIGITAL AND SOCIAL MEDIA MARKETING	YES	8
	KOE-095	MODELING OF FIELD-EFFECT NANO DEVICES	NO	0
	KOE-096	MODELLING AND SIMULATION OF DYNAMIC SYSTEMS	NO	0
	KOE-097	BIG DATA	NO	0
	KOE-098	**HUMAN VALUES IN BUDDHA AND JAIN DARSHAN	NO	0
	KOE-099	**HUMAN VALUES IN VEDIC DARSANA	NO	0



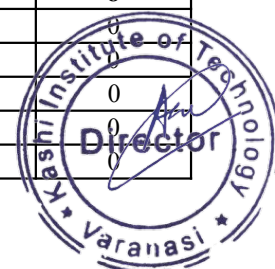
ELECTRICAL & ELECTRONICS ENGINEERING- 2023-24				
Semester	Paper Code	Name of Elective Course	Course offered	No of Students opted
III	BOE301	Electric and Hybrid Vehicles	YES	30
	BOE302	Automation and Robotics	NO	0
	BOE303	Material Science	NO	0
	BOE307	Basics of Database Management Systems	NO	0
	BOE308	Analog Electronics Circuits	NO	0
	BOE309	Electronics Engineering	NO	0
	BOE311	Polymer Science and Technology	NO	0
	BOE312	Laser System and Applications	NO	0
	BOE313	Food Science and Nutrition	NO	0
	BOE314	Building Science and Engineering	NO	0
V	KEE051	Robotics	NO	0
	KEE052	Sensors and Transducers	NO	0
	KEE053	Industrial Automation and Control	NO	0
	KEN051	Bio-Medical Instrumentation	YES	8
	KEE055	Optimization Techniques	NO	0
	KEE056	Neural Networks & Fuzzy System	NO	0
	KEE057	Digital Signal Processing	NO	0
	KEE058	Analog & Digital Communication	YES	8
VI	KEE 061	Special Electrical Machines	NO	0
	KEN 061	Linear Integrated Circuits	YES	10
	KEE 063	Digital Control System	NO	0
	KEN 062	Embedded Systems	NO	0
	KOE060	IDEA TO BUSINESS MODEL PROGRAMMING	YES	8
	KOE061	REAL TIME SYSTEMS	NO	0
	KOE062	EMBEDDED SYSTEM	NO	0
	KOE063	INTRODUCTION TO MEMS	NO	0
	KOE064	OBJECT ORIENTED	NO	0
	KOE065	COMPUTER BASED NUMERICAL TECHNIQUES	NO	0
	KOE066	GIS & REMOTE SENSING	NO	0
	KOE067	BASICS OF DATA BASE MANAGEMENT SYSTEM	NO	0
	KOE068	SOFTWARE PROJECT MANAGEMENT	NO	0
	KOE069	COMPREHENSIVELY- HUMAN ASPIRATIONS AND ITS	NO	0
VII	KEN070	Power System Operation & Control	NO	0
	KEE070	Advanced Micro processors & Micro Controllers	NO	0
	KEE071	Energy Conservation and Auditing	NO	0
	KEE072	HVDC & AC Transmission	YES	9
	KEE074	Power Quality and FACT	NO	0
	KEN071	Electric & Hybrid Vehicles	NO	0
	KEE075	Electric drives	NO	0
	KEE077	Power System Protection	NO	0
	KEE078	Deregulated Power System	NO	0
	KEE079	Utilization of Electrical Energy & Electric Traction	YES	9
	KOE071	FILTER DESIGN	NO	0
	KOE072	BIOECONOMICS	NO	0
	KOE073	MACHINE LEARNING	NO	0
	KOE074	RENEWABLE ENERGY RESOURCES	YES	9
	KOE075	OPERATIONS RESEARCH	NO	0

	KOE076	VISION FOR HUMANE SOCIETY	NO	0
	KOE077	DESIGN THINKING	NO	0
	KOE078	SOIL AND WATER CONSERVATION ENGINEERING	NO	0
	KOE079	INTRODUCTION TO WOMEN'S AND GENDER STUDIES	NO	0
VIII	KOE-080	FUNDAMENTALS OF DRONE TECHNOLOGY	NO	0
	KOE-081	CLOUD COMPUTING	NO	0
	KOE-082	BIO MEDICAL SIGNAL PROCESSING	NO	0
	KOE-083	ENTREPRENEURSHIP DEVELOPMENT	NO	0
	KOE-084	INTRODUCTION TO SMART GRID	NO	0
	KOE-085	QUALITY MANAGEMENT	YES	9
	KOE-086	INDUSTRIAL OPTIMIZATION TECHNIQUES	NO	0
	KOE-087	VIROLOGY	NO	0
	KOE-088	NATURAL LANGUAGE PROCESSING	NO	0
	KOE-089	**HUMAN VALUES IN MADHYASTH DARSHAN	NO	0
	KOE-090	ELECTRIC VEHICLES	NO	0
	KOE-091	AUTOMATION AND ROBOTICS	NO	0
	KOE-092	COMPUTERIZED PROCESS CONTROL	NO	0
	KOE-093	DATA WAREHOUSING & DATA MINING	NO	0
	KOE-094	DIGITAL AND SOCIAL MEDIA MARKETING	YES	9
	KOE-095	MODELING OF FIELD-EFFECT NANO DEVICES	NO	0
	KOE-096	MODELLING AND SIMULATION OF DYNAMIC SYSTEMS	NO	0
	KOE-097	BIG DATA	NO	0
	KOE-098	**HUMAN VALUES IN BUDDHA AND JAIN DARSHAN	NO	0
	KOE-099	**HUMAN VALUES IN VEDIC DARSANA	NO	0



MECHANICAL ENGINEERING

Semester	Paper Code	Name of Elective Course	Course offered	2023-24
				No of Students opted
III	BOE304	Energy Science & Engineering	YES	8
IV	BAS403	Math IV	YES	8
V	KME051	Computer Integrated Manufacturing	NO	0
	KME052	Mechatronics Systems	NO	0
	KEE053	Finite Element Methods	NO	0
	KME054	I C Engine Fuel and Lubrication	YES	4
	KAU051	Automobile Engines & Combustion	NO	0
	KME055	Advance welding	YES	4
	KME056	Programming, Data Structures And Algorithms Using Python	NO	0
	KME057	Mechanical Vibrations	NO	0
	KME058	Fuels and Combustion	NO	0
	KAU052	Automotive chassis and suspension	NO	0
VI	KME061	Non destructive Testing	YES	4
	KME062	Artificial Intelligence	NO	0
	KME063	Tribology	NO	0
	KME064	Gas Dynamics and Jet Propulsion	NO	0
	KOE060	IDEA TO BUSINESS MODEL PROGRAMMING	YES	4
	KAU061	Automotive Electrical and Electronics	NO	0
VII	KHU701	HSMC1: Rural Development	YES	8
	KME071	Additive manufacturing	NO	0
	KME072	HVAC systems	NO	0
	KAU072	Hybrid Vehicle Propulsion	YES	8
	KME073	Mathematical Modeling of Manufacturing Processes	NO	0
	KME074	Machine Learning	NO	0
	KME075	Computer Graphics and product modeling	NO	0
	KME076	Power Plant Engineering	YES	8
	KAU073	Vehicle Body Engineering & safety	NO	0
	KOE074	Renewable Energy resources	YES	8
VIII	KHU802	HSMC2: Project Management and Entrepreneurship	YES	8
	KOE-080	FUNDAMENTALS OF DRONE TECHNOLOGY	NO	0
	KOE-081	CLOUD COMPUTING	NO	0
	KOE-082	BIO MEDICAL SIGNAL PROCESSING	NO	0
	KOE-083	ENTREPRENEURSHIP DEVELOPMENT	NO	0
	KOE-084	INTRODUCTION TO SMART GRID	NO	0
	KOE-085	QUALITY MANAGEMENT	YES	8
	KOE-086	INDUSTRIAL OPTIMIZATION TECHNIQUES	NO	0
	KOE-087	VIROLOGY	NO	0
	KOE-088	NATURAL LANGUAGE PROCESSING	NO	0
	KOE-089	HUMAN VALUES IN MADHYASTH DARSHAN	NO	0
	KOE-090	ELECTRIC VEHICLES	NO	0
	KOE-091	AUTOMATION AND ROBOTICS	NO	0
	KOE-092	COMPUTERIZED PROCESS CONTROL	NO	0
	KOE-093	DATA WAREHOUSING & DATA MINING	NO	0
	KOE-094	DIGITAL AND SOCIAL MEDIA MARKETING	YES	8
	KOE-095	MODELING OF FIELD-EFFECT NANO DEVICES	NO	0
	KOE-096	MODELLING AND SIMULATION OF DYNAMIC SYSTEMS	NO	0
	KOE-097	BIG DATA	NO	0
	KOE-098	**HUMAN VALUES IN BUDDHA AND JAIN DARSHAN	NO	0
KOE-099	**HUMAN VALUES IN VEDIC DARSANA	NO	0	



MASTER OF BUSINESS ADMINISTRATION				
Semester	Paper Code	Name of Elective Course	Course offered	2023-24
				No of Students opted
III	KMBN HR01	TALENT MANAGEMENT	YES	44
	KMBN HR02	EMPLOYEE RELATIONS AND LABOUR LAWS	YES	44
	KMBN MK01	CONSUMER BEHAVIOUR AND MARKETING COMMUNICATION	YES	41
	KMBN MK02	MARKETING ANALYTICS	YES	41
	KMBN FM01	INVESTMENT ANALYSIS AND PORTFOLIO MANAGEMENT	YES	21
	KMBN FM02	FINANCIAL PLANNING AND TAX MANAGEMENT	YES	21
IV	KMBN HR03	HR ANALYTICS	YES	44
	KMBN HR04	PERFORMANCE AND REWARD MANAGEMENT	YES	44
	KMBN HR05	INTERNATIONAL HRM	YES	44
	KMBN MK03	B2B AND SERVICES MARKETING	YES	41
	KMBN MK04	SALES AND RETAIL MANAGEMENT	YES	41
	KMBN MK05	SOCIAL MEDIA AND WEB ANALYTICS	YES	41
	KMBN FM03	FINANCIAL DERIVATIVES	YES	21
	KMBN FM04	FOREIGN EXCHANGE AND RISK MANAGEMENT	YES	21
	KMBN FM05	FINANCIAL AND CREDIT RISK ANALYTICS	YES	21



Master Of Computer Application- 2023-24				
Semester	Paper Code	Name of Elective Subject	Subject offered	No of Students opted
III	KCA011	Cryptography & Network Security	NO	0
	KCA012	Data Warehousing & Data Mining	NO	0
	KCA013	Software Project Management	NO	0
	KCA014	Cloud Computing	Yes	40
	KCA015	Compiler Design	NO	0
	KCA021	Web Technology	Yes	40
	KCA022	Big Data	NO	0
	KCA023	Simulation & Modeling	NO	0
	KCA024	Software Testing & Quality Assurance	NO	0
KCA025	Digital Image Processing	NO	0	
IV	KCA031	Privacy & Security in Online Social Media	NO	0
	KCA032	Soft Computing	NO	0
	KCA033	Pattern Recognition	NO	0
	KCA034	Data Analytics	NO	0
	KCA035	Software Quality Engineering	Yes	40
	KCA041	Blockchain Architecture	NO	0
	KCA042	Neural Network	NO	0
	KCA043	Internet of Things	NO	0
	KCA044	Modern Application Development	Yes	40
	KCA045	Distributed Database Systems	NO	0
	KCA051	Mobile Computing	Yes	40
	KCA052	Computer Graphics and Animation	NO	0
	KCA053	Natural Language Processing	NO	0
	KCA054	Machine Learning	NO	0
	KCA055	Quantum Computing	NO	0

