

List of Programs and Subjects to be Offered in January- June 2024 Semester

Faculty	Program & Semester	Name of Subjects Offered
Business Management (Under Graduate)	BBA - IV	Entrepreneurship Development & Management
		Digital Marketing
		Income Tax
		Personal Selling and Salesmanship
		Indian Constitution
	BBA - VI	Retail Management
		Leadership in Organisations
		Investment Banking & Financial Services (Finance)
		Management of Information System
		HRD : Systems & Strategies (HR)
Commerce (Under Graduate)	B. Com - IV	Financial Management
		Cost Accounting
		Auditing and Corporate Governance
		Principles of Macro Economics
		Indian Constitution
	B. Com - VI	Principles of Macro Economics
		Entrepreneurship
		Industrial Relations & Labor Laws (HR)
		Cost Accounting (Finance)
		Dissertation
Business Management (Post Graduate)	MBA - II	Research Methodology
		Operations Research
		Business Analytics
		Financial Management
		Marketing Management
		Human Resource Management
		Production and Operations Management
		International Business
		Open Elective

	MBA - IV (Specializations - Finance/ HR/ Marketing/ Information Technology/ International Business/ Agri-Business Management/ Operations Management/ Hospital Management/ Hospitality Management)	Research Project In-Company-Project-Work Talent Management Indian Labour Laws International Logistics India’s Foreign Trade and Policy Sales and Distribution Management Digital and Social Media Marketing Management Information System Data Warehousing and Data Mining Total Quality Management Inventory Management Health Insurance Management Health Economics Agri-Entrepreneurship Feed Business Management Hospitality Marketing Front Office Management Behavioral finance Financial Derivatives
Computer Science & Engineering (Under Graduate)	B. Tech. (Computer Science & Engineering) - IV	Operating Systems Linux Programming Lab Design and Analysis of Algorithms Design and Analysis of Algorithms Lab Computer Networks Computer Networks Lab Database Management System Database Management System Lab Agile Development Agile Development Lab Design Patterns Lab Data Analytics for IIOT

B. Tech. (Computer Science & Engineering with Specialization in Cloud Technology & Information Security) - IV Cloud	Operating Systems
	Linux Programming Lab
	Design and Analysis of Algorithms
	Design and Analysis of Algorithms Lab
	Computer Networks
	Computer Networks Lab
	Database Management System
	Database Management System Lab
	Cloud Computing Foundations
	Cloud Computing Foundations Lab
	Design Patterns Lab
	Data Analytics for IIOT
	B. Tech. (Computer Science & Engineering with Specialization in Data Science) - IV Data
Linux Programming Lab	
Design and Analysis of Algorithms & Lab	
Computer Networks	
Computer Networks Lab	
Database Management System	
Database Management System Lab	
Data Science Foundations & Lab	
Design Patterns Lab	
Data Analytics for IIOT	
B. Tech. (Computer Science & Engineering) - VI	Principle of Management
	Formal Language & Automata Theory
	Mobile Application Development
	Mobile Application Development Lab
	Elective-III & Elective-III Lab
	Advanced Java Programming
	Game Designing
	Robotic Process Automation Design & Development
	.Net Technologies
	Open Elective-I
	Artificial Intelligence

B. Tech. (Computer Science & Engineering with Specialization in Cloud Technology & Information Security) - VI Cloud	Principle of Management
	Formal Language & Automata Theory
	Digital Forensic
	Digital Forensic Lab
	Elective-III & Elective-III Lab
	Application Security
	Security Architecture
	Database Security
	Open Elective-I
	Artificial Intelligence
B. Tech. (Computer Science & Engineering with Specialization in Data Science) - VI Data	Principle of Management
	Formal Language & Automata Theory
	NOSQL Database
	NOSQL Database Lab
	Elective-III & Elective-III Lab
	Statistical Inference
	Time Series Analysis
	Design and Analysis of Experiments
	Open Elective-I
	Artificial Intelligence
B. Tech. (Computer Science & Engineering) - VIII (Non-Internship Based scheme)	Distributed Operating System
	High Performance Computing
	Integethered Project
B. Tech. (Computer Science & Engineering with Specialization in Cloud Technology & Information Security) - VIII Cloud	Hybrid Cloud Computing
	Ethical Hacking
	Integethered Project
B. Tech. (Computer Science & Engineering with Specialization in Data Science) - VIII Data	Dimension Reduction and Model Validation Techniques
	Natural Language Processing
	Integethered Project

Mechanical Engineering (Under Graduate)	Mech. Engg. – IV	Theory of Combustion and Emission
		Fluid Mechanics & Fluid Machines
		Mechatronics
		Industrial Automation and Robotics
		Kinematics & Theory of Machines
		Kinematics & Theory of Machines Lab
		Fluid Mechanics & Machine Lab
		Project-II (Non- Creditable)
		Mold Design & Manufacturing
	Mech. Engg. - VI	Computer Aided Design and Computer graphics
		Elective-III (Design of machine Elements –II)
		Elective-IV (Advanced Mechanics of Solids)
		Humanities-II (Entrepreneurship Development & Management, Engineering Society, Marketing Management, Operation Research)
		Open Elective-I
		Ansys Lab
		Automobile Lab/ Programing Lab
		Project-IV
		Essence of Indian Traditional Knowledge
		Press Tool Design and Manufacturing
Civil Engineering (Under Graduate)	Civil Engg. – IV	Design of RCC Structures
		Hydrology
		Environmental Engineering
		Humanities-I
		Materials, Testing & Evaluation (Elective-I)
		Building Construction Practice (Elective-I)
		Ecological Engineering (Elective-I)
		Air & Noise Pollution and Control (Elective-I)
		Groundwater Engineering (Elective-I)
		Concrete Technology Lab
		Structural Mechanics Lab
		Building Construction Drawing
		Universal Human Values

	Civil Engg. – VI	Irrigation Engineering
		Design of Steel Structures
		Traffic Engineering and Management (Elective-IV)
		Pavement Construction and Management (Elective-IV)
		Environmental Laws and Policy (Elective-IV)
		Rock Mechanics (Elective-IV)
		Ground Improvement Technique (Elective-IV)
		Open Elective-II & III
		Project-III/Press Tool Design and Manufacturing
		Computer-Aided-Civil Engineering Design
	Civil Engg. – VIII	Airport Planning and Design
		Bridge Engineering
		Pavement Design (Elective-VII)
		Railway Engineering (Elective-VII)
		River Engineering (Elective-VII)
		Environmental Fluid Mechanics (Elective-VII)
		Prestressed Concrete (Elective-VII)
		Public Transportation Systems (Elective-VIII)
		Open Channel Flow (Elective-VIII)
		Surface Hydrology (Elective-VIII)
Construction Engineering & Management (Elective-IX)		
Transport of Water and Wastewater (Elective-IX)		
Design of Concrete Structures-II (Elective-IX)		
Structural Engineering (Elective-IX)		
Soil Mechanics-II (Elective-IX)		
Electronics & Communication Engineering (Under Graduate)	ECE – IV	Signals and Systems
		Digital System Design
		Computer Organization and Architecture
		Probability Theory & Stochastic Processes
		Essence of Indian Traditional Knowledge
		Universal Human Values
		Digital System Design Lab
		Data Analytics for IIOT

	ECE- VI	Embedded system Control Systems Computer Network Principles of Management Computer Networks Lab Electronic Measurement Lab Artificial Intelligence
Electrical Engineering (Under Graduate)	Elec. Engg. – IV	Digital Electronics Power Generation Techniques Electrical Machines – II Power Electronics-I Essence of Indian Traditional Knowledge Universal Human Values Digital Electronics Lab Electrical Machines Lab – II Power Electronics Lab Data Structure Lab Data Analytics for IOT or Project-II
	Elec. Engg – VI	Control Systems Power Systems – II (Operation and Control) Program Elective - 2: Electrical Machine Design/ Measurement and Instrumentation/ Electrical and Hybrid Vehicles Program Elective - 3: Power System protection/ Computational Electromagnetics/ Electric Drives Open Elective- 2: Computer Network/ Essentials of IT/ Planning for Sustainable Development Principle of Management Control Systems Lab Measurements and Instrumentation Lab Artificial Intelligence

Bio Technology (Under Graduate)	BioTech - IV	Molecular Biology
		Immunology
		Bio Analytical Techniques
		Industrial Microbiology
		Molecular Biology Practical
		Industrial Microbiology Practical
		Immunology practical
	BioTech - VI	Biostatistics & Computer Application
		Fermentation Technology
		Plant Biotechnology
		Plant Tissue Culture laboratory
		Bioprocess Engineering
		IPR, Biosafety and Bioethics
		Bio-Entrepreneurship
Computer Applications (Under Graduate)	Comp. Applications – IV	Java Programming
		Python Programming
		Operating System
		Software Engineering
		Java Programming Lab
		Python Programming Lab
		English Communication Lab
		Disaster Management
		Indian Constitution
	Comp. Applications – VI	R Programming
		Web Technologies
		Cyber Security
		Cloud Computing/ Internet of Things
		Design of Analysis & Algorithm/ Artificial Intelligence
		R Programming Lab
		Web Technologies Lab
		Project-III

Computer Applications (Post Graduate)	Comp. Applications – II	Object Oriented Programming using Java
		Web Technologies
		Data Communication & Networking
		Software Testing and Assurance
		Digital Marketing
		Object Oriented Programming using Java Lab
		Web Technologies Lab
		Seminar-II
Hotel Management (Under Graduate)	Hotel Mgmt. – BHMCT II	Food Production Foundation –II
		Food & Beverage Service Foundation –II
		Accommodation & Front Office Operations Foundations –II
		Food Production Foundation –II PR
		Food & Beverage Service Foundation –II PR
		Accommodation & Front Office Operations Foundations –II PR
		Communication Skills
		Communication Skills Lab
		Basics of Tourism
	Basics of Nutrition	
	Hotel Mgmt. – BHMCT VI	Skill Enhancement for Media & Journalism in Hospitality
		Project Report
		Researching for Hospitality & Tourism Management
		Elective (Choose only 1): Regional Cuisines of India -II/ Food & Beverage Service Management -II/ Accommodation Management-II
		Regional Cuisines of India -II PR/ Food & Beverage Service Management -II PR/ Accommodation Management-II PR
		Kitchen Management
		Entrepreneurship Development

	Hotel Mgmt. – BSc HHA II	Food Production Foundation -II
		Food & Beverage Service Foundation -II
		Accommodation & Front Office Operations Foundations -II
		Food Production Foundation –II Pr
		Food & Beverage Service Foundation –II Pr
		Accommodation & Front Office Operations Foundations –II Pr
		Applications of Computers in H&T
		Applications of Computers in H&T Pr
		English
		Industrial Exposure
	Hotel Mgmt. – BSc HHA IV	Elective I : Introduction to Indian Cookery/ Food & Beverage Service Management -I/ Accommodation Management-I
		Introduction to Indian Cookery PR/ Food & Beverage Service Management -I PR/ Accommodation Management-I PR
		Elective II - Bakery Management/ Hotel Engineering/ Kitchen Management/ Basics of Tourism
		Accounting Skills for Hospitality
		Human Values & Ethics
		Entrepreneurship Development & Management
		Elective III - Fundamentals of Management/ Disaster Management
		NCC/ NSS/ Cultural/ Sports/ Health and Yoga
	Law (Under Graduate)	Law (BA. - LL.B) - IV
Citizen & the Law		
Indian Language (II) Hindi-II		
Economics -III (Indian Economics)		
Constitutional Law-II		
Law of Crimes-II (Criminal Procedure Code)		
Law (BA. - LL.B) - VI		Political Science-VI (Public Administration in India)
		Sociology-I
		Administrative Law
		Public International Law
		Civil Procedure Code-II and Limitation Law
		Property Law

		Law (BA. - LL.B) - VIII	Sociology- III
			International Organization
			Company Law
			(Optional Paper-III) Women and Law
			(Optional Paper-III) Prison Administration
			(Optional Paper-IV) Criminology & Penology
			(Optional Paper-IV) Human Rights Law & Practice
			Moot Court Exercises and Internship (Practical/Clinical Course-II)
		Law (BA. - LL.B) - X	Principles of Taxation Law
			Land Laws including Tenure and Tenancy
			Intellectual Property Right (General)
			Optional Paper-VI Equity, Trust and Fiduciary Relationships
			Optional Paper-VI Forensic Science
			Legal Profession & Ethics (Practical/Clinical Course-IV)
Agriculture Graduate)	(Under	Agriculture - II	Fundamentals of Genetics
			Agricultural Microbiology
			Soil and Water Conservation Engineering
			Fundamentals of Crop Physiology
			Fundamentals of Agricultural Economics
			Fundamentals of Plant Pathology
			Fundamentals of Entomology
			Fundamentals of Agricultural Extension Education
		Agriculture - IV	Crop Production Technology –II (Rabi Crops)
			Production Technology for Ornamental Crops, MAP and Landscaping
			Renewable Energy and Green Technology
			Production Technology for Fruit and Plantation Crops
			Principles of Seed Technology
			Farming System & Sustainable Agriculture
Agricultural Marketing Trade & Prices			
Introductory Agro-meteorology & Climate Change			
Elective Course (Micro propagation Technologies)			

	Agriculture - VI	Rainfed Agriculture & Watershed Management Protected Cultivation and Secondary Agriculture Diseases of Field and Horticultural Crops and their Management-II Post-harvest Management and Value Addition of Fruits and Vegetables Management of Beneficial Insects Crop Improvement-II (Rabi crops) Practical Crop Production –II (Rabi crops) Principles of Organic Farming Farm Management, Production & Resource Economics Principles of Food Science and Nutrition Elective Course: Biopesticides & Biofertilizers
Agriculture - Agronomy (Post Graduate)	Agriculture - II	Cropping Systems and Sustainable Agriculture Principles and Practices of Organic Farming Master’s Seminar Soil Fertility and Fertilizer Use Soil Erosion and Conservation Statistical Methods for Applied Sciences
Agriculture - Entomology (Post Graduate)	Agriculture - II	Principles of Integrated Pest Management Toxicology of Insecticides Pests of Field and Horticultural Crops Master’s Seminar Statistical Methods for Applied Sciences Insect Vectors of Plant Viruses and other Pathogens Human Values and Ethics
Sciences- Physics (Post Graduate)	Physics - II	Electrodynamics Mathematical Physics-II Quantum Mechanics-II Nuclear and Particle Physics Electronics-II Physics Lab-I A Physics Lab-I B

	Physics - IV	Statistical Physics & Thermodynamics
		Condensed Matter Physics-II
		Physics of Nano-Materials
		Advanced Electronics
		Experimental Techniques in Radiation Physics
		Physics Lab-IV A
		Physics Lab-IV B
Sciences- Chemistry (Post Graduate)	Chemistry - II	Inorganic Chemistry-II
		Organic Chemistry-II
		Physical Chemistry-II
		Spectroscopy and its Applications in Organic Chemistry
		Inorganic Chemistry Practical-II
		Organic Chemistry Practical-II
		Physical Chemistry Practical-II
	Chemistry - IV	Analytical Techniques
		Application of Computers in Chemical Analysis
		Elective I-Inorganic/Organic/Physical Chemistry
		Elective II-Inorganic/Organic/Physical Chemistry
		Applications of Computers in Chemistry- Lab
		Practical Elective I - Inorganic/Organic/Physical Chemistry [Nuclear Chemistry/ Bio-organic and Medicinal Chemistry/ Macromolecules and Biophysical Chemistry]
		Practical Elective II - Inorganic/Organic/Physical Chemistry [Bioinorganic Chemistry/ Chemistry of Natural Products & Disconnection Approach/ Statistical Thermodynamics and Advanced Kinetics]
Sciences- Mathematics (Post Graduate)	Maths - II	Measure Theory and Integration
		Differential Geometry
		Partial differential Equations
		Discrete Mathematics
		Analytical Mechanics & Variational Methods
		Latex (Lab)
		Seminar

Sciences- Bio Technology (Post Graduate)	BioTech - II	Environmental Biotechnology
		Molecular Immunology
		Genetic Engineering
		Genetic Engineering Practical
		Development Biology & Stem Cell Technology
		Diagnostic Techniques & health care
		Project course
Sciences- Microbiology (Post Graduate)	Micro Biology - II	Medical Microbiology
		Immunology
		Elements of Molecular Biology
		Microbial Biochemistry
		Lab course based on Medical Microbiology & Immunology
		Lab course based on Molecular Biology & Microbial Genetics
Sciences- Botany (Post Graduate)	Botany - II	Bryophytes, Pteridophytes& Gymnosperms
		Biostatistics
		Plant Physiology
		Biochemistry and Metabolism
		Cytogenetics and Plant Breeding
		Bryophytes, Pteridophytes and Gymnosperm Practical
		Plant Physiology and Biochemistry Practical