

PO and CO
M.B.A. (Environment Management)
Faculty of Commerce & Management – Under CBCS System
(Implemented from Academic Year 2019-20)

Programme Objectives (PO)

1. Infuse environmental concepts in business management
2. Develop scientific attitude based on interdisciplinary approach for problem solving and decision-making.
3. Evolve competence in environmental management required by corporate world.
4. Build technically sound and able work force required for environmental protection, development and management.
5. Inculcate concept of Green Industry for sustainable development.
6. Promote for participation in active research work.
7. Encourage to identify, assess and shape entrepreneurial opportunities and evaluate their potential for starting an enterprise.

Course Objectives (CO)
SEMESTER – I

Semester	I	Total Credit	4
Course Code	CC 101	Credit Pattern	L-45, T-8, P-7
Course Title	INTRODUCTION TO ECOLOGY AND NATURAL RESOURCES		

Course Outcomes: The students will able to

1.	Acquire the knowledge of Environmental Science and its multidisciplinary approach, ecosystem, types of ecosystem and its components.
2.	Interpret the consequences the biogeochemical cycles and human interference in cyclic process.
3.	Develop ability to identify local issues related with environment and natural resources.
4.	Infer about land as a resource its management, classification, importance and about land use pattern.

Course Code	CC 102	Credit Pattern	L-45, T-8, P-7
Course Title	AIR AND NOISE POLLUTION		

Course Outcomes:

1.	Appraisal of present air pollution status.
2.	Identify existing and potential sources of air pollution.
3.	Identify and Classify existing sources of noise pollution.

Course Code	CC 103	Credit Pattern	L-15, T-0, P-45
Course Title	PRACTICAL- I		

Course Outcomes: The students will able to

1.	Develop methodology for sample collection, processing and preservation for environmental analysis.
2.	Make use of glassware, their appropriate cleaning.
3.	Plan analytical techniques/experiments/ classical methods with easy to run experiments.

Course Code	CC 104	Credit Pattern	L-45, T-8, P-7
Course Title	ORGANIZATIONAL BEHAVIOR AND HUMAN RESOURCE MANAGEMENT		

Course Outcomes: Students will be able to

1	Describe the various aspects of Organizational Behaviour and describe the different concepts in HRM.
2	Evaluate the aspects associated with organizational human behavior and its effect on organization.
3	Apply relevant theories, concepts and models to resolve organizational issues, Develop Effective team-work and leadership skills
4	Perform the different processes in HRM like procurement, development, compensation and maintenance.
5	Determine the solutions for HR related issues in the organization, develop job analysis reports and training calendars.

Course Code	CC 105	Credit Pattern	L-45, T-8, P-7
Course Title	FUNDAMENTALS OF MARKETING		
Course Outcomes: Students will be able to;			
1	Discuss conceptual knowledge of Marketing.		
2	Analyze marketing situations.		
3	Devise Market segmentation strategies for product and services.		
4	Develop 4Ps of Marketing for Product and Services.		

Course Code	DSE 101(A)	Credit Pattern	L-45, T-8, P-7
Course Title	SERVICE SECTOR MANAGEMENT		
Course Outcome: The students will be able to			
1.	Describe the concepts of service sector management.		
2.	Apply different theories and Concepts of Service Sector management.		
3.	Assess Challenges and Opportunities of Service Sector Management.		
4.	Compare and contrast issues and strategies by surveying government and private sector initiatives.		

Course Code	DSE 101 (B)	Credit Pattern	L-45, T-8, P-7
Course Title	FAMILY BUSINESS MANAGEMENT		
Course Outcomes: Students will be able to;			
1.	Describe the Concepts of Family Business Management.		
2.	Apply appropriate family business strategies in family firms.		
3.	Analyze issues involved in the family businesses.		
4.	Evaluate the factors affecting Family Business Growth.		

Course Code	DSE 101 (C)	Credit Pattern	L-45, T-8, P-7
Course Title	INFORMATION TECHNOLOGY FOR MANAGERS		
Course Outcomes: Student will able to;			
1	Analyze industry data using MS-Excel.		
2	Develop an effective presentation using embedded software.		
3	Determine enterprise IT architecture for different domain areas.		
4	Design conceptual models of a database using ER for real life applications and also construct queries in Relational Algebra.		

Course Code	GE 101 - A	Credit Pattern	L-45, T-8, P-7
Course Title	FUNDAMENTALS OF MANAGEMENT		
Course Outcomes: Students will be able to;			
1	Discuss management evolution and how it can affect future managers.		
2	Analyze and attain elementary level of skills in management process and functions: planning, organizing, leading, deciding, motivating and controlling.		
3	Evaluate leadership styles to anticipate the consequences of each leadership style.		
4	Describe concept of CSR.		

Course Code	GE-101 - B	Credit Pattern	L-45, T-7, P-8
Course Title	OFFICE AUTOMATION		
Course Outcomes			
After completion of this course the student will be able to:			
1	Distinguish basic concepts and computer terminology.		
2	Identify operating system features.		
3	Create appropriate documents with the help of Word Processor.		
4	Design effective presentation.		
5	Analyze any data with the help of spreadsheets.		

Course Code	GE 101 (C)	Credit Pattern	L-40, T-10, P-10
Course Title	Indian Social Problems and Social Services		
Course Outcomes: Students will be able to			
1	Analyze social problems using sociological perspectives.		
2	Describe how individual experiences of social problems relate to social structures and cultures using the sociological imagination.		
3	Explain how social inequality and systems of power perpetuate social problems.		
4	To understand all aspects of human social behaviour, including the behaviour of individuals as well as the social dynamics of small groups, large organizations, communities, institutions, and entire societies.		

Course Code	GE 101 (D)	Credit Pattern	L-44, T-08, P-08
Course Title	Principles of Economics		
Course Outcomes: Students will be able to			
1	The student will identify the application of economics in his personal and professional life.		
2	Explain the economic factors and their implications in the working of different organizations.		

Course Code	GE101 (E)	Credit Pattern	L-45, T-15, P-0
Course Title	ENVIRONMENT AND DEVELOPMENT (only for the students of other Department)		
Course Outcomes: The students will be able to			
1.	Differentiate biotic and abiotic components of ecosystem & able to understand concept of habitat, interactions in between different components & their Interrelationships.		
2.	Develop ability of identification of local issues related with natural resources.		
3.	Adopt various pollution control techniques.		
4.	Able to know various environmental policies as well as National & International Organizations involved.		

Course Code	AEC I	Credit Pattern	L-30, T-2, P-6
Course Title	Life Skills for Managers Credits: 2		
Course Outcomes: Students will be able to;			
1	Apply various soft Skills to life and business situations.		
2	Develop managerial employability related skills.		
3	Work on development of self-personality.		

SEMESTER – II

Semester	II	Total Credit	4
Course Code	CC 201	Credit Pattern	L-45, T-8, P-7
Course Title	WATER POLLUTION		
Course Outcomes: The students will able to			
1	Identify sources for surface water, ground water and marine pollution.		
2	Analyze parameters and standards for water and waste water.		

Course Code	CC 202	Credit Pattern	L-45, T-8, P-7
Course Title	ENVIRONMENTAL ENGINEERING AND DESIGN		
Course Outcomes:			
1	Design water treatment plant.		
2	Select appropriate method for water and wastewater treatment.		
3	Grade the existing water and wastewater treatment methods.		

Course Code	CC 203	Credit Pattern	L-15, T-0, P-45
Course Title	PRACTICAL- II		
Course Outcomes: The students will able to			
1	Relate and demonstrate the basic laboratory instruments used in environmental analysis and understand the principle of measurements using those instruments.		
2	Experiment with work safely and competently in an environmental laboratory settings, with confidence.		
3	Determine water pollution levels using appropriate methodology/ instrumentation.		
4	Perceive skills in analytical techniques/experimental for BOD,COD measurements and Interpret the experimental results to study water pollution levels.		

Course Code	CC 204	Credit Pattern	L-45, T-6, P-9
Course Title	ACCOUNTING FOR MANAGERIAL DECISIONS		
Course Outcomes: The students will able to learn:			
1	Apply basic accounting principles and concepts for preparation of financial statements.		
2	Asses funds from operation with the help of funds flow statement.		
3	Evaluate the financial position by preparing the financial statement as per Schedule-III.		

Course Code	CC 205	Credit Pattern	L-45, T-7, P-8
Course Title	BUSINESS STATISTICS FOR ENVIRONMENT		
Course Outcomes: Students will be able to			
1.	Analyze company/organization data for taking decisions.		
2.	Evaluate the data collected for management decision.		
3.	Interpret the relevance of statistical findings for business problem solving and decision making.		
4.	Provide solution to management decision problems.		

Course Code	CC 206	Credit Pattern	L-22, T-2, P-6
Course Title	LEGAL FRAMEWORK OF BUSINESS		
Course Outcomes: Students will be able to;			
1.	Explain the legal principles of Business Laws.		
2.	To solve legal issues of Business.		

Course Code	CC 207	Credit Pattern	22L+8TP
Course Title	RESEARCH METHODOLOGY		
Course Outcomes: Students will be able to;			
1	Explain fundamental concepts of research methodology.		
2	Develop Research Report.		

Course Code	DSE 201(A)	Credit Pattern	L-45, T-7, P-8
Course Title	ENVIRONMENTAL MICROBIOLOGY & BIOTECHNOLOGY		
Course Outcomes: After completion of this course students will have capacity to			
1.	Describe the importance of microbial diversity, beneficial and harmful properties of MOs with potential applications in the innovative environmental management technologies		
2.	Describe and apply existing and emerging technologies like <i>in-situ</i> , <i>ex-situ</i> , & engineered bioremediation, phyto-remediation that are important in the area of environmental clean up / pollution & forest management.		
3.	Demonstrate an awareness about emerging concerns of reductions in fossil fuels through new biotechnological interventions in the harnessing renewable biomass energy.		
4.	Describe and apply biotechnological solutions like bio-plastics, bio-fertilizers, bio-pesticides, bio-mining, biosensors to address present environmental concerns.		

Course Code	DSE 201(B)	Credit Pattern	L-45, T-7, P-8
Course Title	ENERGY RESOURCE MANAGEMENT AND ENVIRONMENTAL TOXICOLOGY		
Course Outcomes: Students will be able to			
1	Identify and compare various forms and energy resources.		
2	Compare and contrast conventional and non conventional energy sources and relate technologies for harnessing renewable energy resources.		
3	Identify and evaluate the toxic chemicals, mutagens, carcinogens and their relationships between exposure and dose-response relationships.		
4	Evaluate effects on living/physiological systems like neurotoxicity, nephro-toxicity, hepato-toxicity, and reproductive toxicity.		

Course Code	DSE 201(C)	Credit Pattern	L-45, T-7, P-8
Course Title	DISASTER MANAGEMENT		
Course Outcomes: After completion of this course students will have capacity to			
1.	Recognize the various global and regional environmental concerns due to natural causes and/or human activities, and the impact of these on various forms of life .		
2.	Obtain and communicate information on risks, relief needs and lessons learned from earlier disasters in order to formulate strategies for mitigation in future scenarios		
3.	Describe and evaluate the environmental, social, economic, legal and organisational aspects influencing vulnerabilities and capacities to face disasters.		
4.	Relate theoretically and practically in the processes of disaster management (disaster risk reduction, response, and recovery)		

Course Code	GE 201- A	Credit Pattern	L-45, T-9, P-6
Course Title	FUNDAMENTALS OF ACCOUNTING		
Course Outcomes			
	The students will able to learn:		
1.	Describe the concepts of Accounting and Finance.		
2.	Apply the financial and cost accounting techniques.		
3.	Analyse the financial and cost statements.		

Course Code	GE- 201- B	Credit Pattern	L-45, T-8, P-7
Course Title	MANAGEMENT INFORMATION SYSTEM		
Course Outcomes: The students will able to			
1.	Recognize types of MIS applications in organizations.		
2.	Discuss the development of management information systems in organizations.		
3.	Apply appropriate computerized information system techniques.		
4.	Evaluate MIS contributions to the strategic management of organizations.		
5.	Select significant tool for supporting management decision making.		

Course Code	GE-201- C	Credit Pattern	L-40, T-10, P-10
Course Title	SOCIAL WELFARE ADMINISTRATION		
Course Outcomes: Students will be able to			
1	Develop insight into the concept and process of social welfare administration.		
2	Establish the qualities and skills of Social welfare Administration.		
3	Understand the structure & functions of social welfare administration organization.		
4	Understand the basic administrative processes and practices in India.		
5	Understand the management of Non Governmental Organization.		
6	Develop Project proposal writing skills.		

Course Code	GE-201- D	Credit Pattern	L-44, T-08, P-08
Course Title	PRINCIPLES OF MICRO ECONOMICS		
Course Outcomes: Students will be able to			
1	Understand and the micro variables and approach for microeconomic issues.		
2	Analyse the process of factor price determination at micro level.		

Course Code	GE 201	Credit Pattern	L-45, T-15, P-0
Course Title	DISASTER MANAGEMENT (Only for the students of other Departments)		
Course Outcomes: After completion of this course students will have capacity to			
1.	Recognize the various global and regional environmental concerns/hazards due to natural causes and/or human activities, and the impact of these on various forms of life .		
2.	Obtain and communicate information on risks, relief needs and lessons learned from earlier disasters in order to formulate strategies for mitigation in future scenarios		
3.	Describe and evaluate the environmental, social, economic, legal and organizational aspects influencing vulnerabilities and capacities to face disasters.		
4.	Relate theoretically and practically in the processes of disaster management (disaster risk reduction, response, and recovery)		

Course Code	AEC 201 -A	Credit Pattern (02)	L-22, T-4, P-4
Course Title	FOREIGN LANGUAGES (GERMAN)		
Course Outcomes: Students will be able to;			
1	This course will create platform for the students to get prepared for Star Deutch exam (A1 exam by Goethe Institute, Max Muller Bhavan) . the students will find it very easy to pursue for this exam after completion of this course and they will have overall idea about the German language as well teaching methods followed to learn any foreign language.		
2	<p>This course enables the students to understand and use familiar everyday expressions and very basic phrases aimed at the satisfaction of needs of a concert type.</p> <p>To enable to students to introduce him/herself and others and can ask and answer question about personal details such as where he /she lives, people he /she knows lives, people he /she knows and things he /she has</p> <p>To make him/her interact in a simple way provided the other person talks slowly and clearly and is prepared to help.</p> <p>To help him/her to use the basic grammar concepts correctly.</p> <p>To enable the students to read and write simple text. The students learn 400-600 words of vocabulary.</p>		

Course Code	AEC 201-B	Credit Pattern (2)	L-22, T-4, P-4
Course Title	FOREIGN LANGUAGES (JAPANESE)		
Course Outcomes: Students will be able to;			
1	<p>This course enables the students to understand and use familiar everyday expressions and very basic phrases aimed at the satisfaction of needs of a concert type.</p> <p>To enable to students to introduce him/herself and others and can ask and answer question about personal details such as where he /she lives, people he /she knows lives, people he /she knows and things he /she has</p>		

Course Code	AEC 201 -C	Credit Pattern (2)	L-22, T-4, P-4
Course Title	FOREIGN LANGUAGES (FRENCH)		
Course Outcomes: Students will be able to;			
1	<p>This course will create a platform for the students to get prepared for DELF (A1.1 exam by Alliance Francaise). The students will find it very easy to pursue for this exam after completion of this course and they will have overall idea about the French language as well teaching methods followed to learn any foreign language.</p>		
2	<p>This course enables the students to understand and use familiar everyday expressions and very basic phrases aimed at the satisfaction of needs of a concert type.</p> <p>To enable the students to introduce him/herself and others and can ask and answer questions about personal details such as where he /she lives, people he /she knows lives, people he /she knows and things he /she has</p> <p>To make him/her interact in a simple way provided the other person talks slowly and clearly and is prepared to help.</p> <p>To help him/her to use the basic grammar concepts correctly.</p> <p>To enable the students to read and write simple text. The students learn 400-600 words of vocabulary.</p>		

Course Code	AEC 201-D	Credit Pattern (2)	L-22, T-4, P-4
Course Title	SELLING AND NEGOTIATING SKILLS		
Course Outcomes: Students will be able to;			
1	Demonstrate selling process for industrial as well as consumer products.		
2	Analyze and overcome problems that arise during negotiations.		

Course Code	AEC 201-E	Credit Pattern	L-22, T-4, P-4
Course Title	REMOTE SENSING AND GEOGRAPHICAL INFORMATION SYSTEM (GIS)		
Course Outcomes: Students will be able to;			
1.	Define remote sensing and GIS.		
2.	Explain EMR, Energy interactions and types of Aerial photographs.		
3.	Elaborate applications of GIS in Environmental science.		
4.	Make use of GIS for various applications.		

Course Code	AEC 201 -F	Credit Pattern	L-22, T-2, P-6
Course Title	ORAL COMMUNICATION		
Course Outcomes: Students should be able to			
1	Communicate in English language.		
2	Apply interpersonal skills.		
3	Demonstrate skills required for conducting group discussions, presentations and speeches.		
Course Code	AEC 201 -G	Credit Pattern	L-22, T-4, P-4
Course Title	FOREST MANAGEMENT		
Course Outcomes: Students will be able to;			
1	Explain importance of forest with its ecological functions.		
2	Develop a plan for forest management.		
3	Describe forest conservation strategies.		

SEMESTER –III

Semester	III	Total Credit	4
Course Code	CC 301	Credit Pattern	L-45, T-7, P-8
Course Title	CORPORATE ENVIRONMENTAL STRATEGIES		
Course Outcomes: Students will be able to;			
1	Design EMS for particular industry.		
2	Prepere checklist for environmental auditing.		
3	Relate various international strategies with national strategies.		
4	Conduct environmental audit.		

Course Code	CC 302	Credit Pattern	L-45, T-9, P-6
Course Title	ENVIRONMENTAL IMPACT ASSESSMENT AND ENVIRONMENTAL LEGISLATION		
Course Outcomes:			
1.	Design EMP for particular industry.		
2.	Prépare Environnemental Impact Assessment report.		

Course Code	CC 303	Credit Pattern	L-15, T-0, P-45
Course Title	PRACTICAL - III		
Course Outcomes: The students will able to			
1	Apply Screening of microbial cultures in the different areas of environment management and for further entrepreneurship development.		
2	Determining quality of irrigation water for optimal utilization to avoid further environmental consequences.		
3	Recommend gypsum requirement for the preparation of reclamation plans for saline alkali soils.		
4	Propose dose of lime for reclamation of an acid soil, by performing laboratory experiments and computing results.		

Course Code	CC 304	Credit Pattern	L-15, T-0, P-45
Course Title	SUMMAR INPLANT PROJET (SIP)		
Course Outcomes: After completion of this course students will able to			
1	Select and defend a topic of their SIP and effectively plan, execute, evaluate and discuss their innovative ideas and experiments.		
2	Systematically identify relevant theory and concepts, and relating these to appropriate methodologies and evidences.		
3	Apply appropriate techniques and drawing appropriate conclusions, developing communication and interpersonal skills.		
4	Propose scientific approach to solve the problem and Interpret, discuss and communicate scientific results in written form.		

Finance Elective: I

Semester	III	Total Credit	4
Course Code	CC-Spl-I-305-A (F-I)	Credit Pattern	L-45, T-6, P-9
Course Title	INTERNATIONAL TRADE AND FINANCE - FI		
Course Outcomes: The students will able to learn:			
1.	Assess foreign exchange rates and develop export trade document.		
2.	Apply international finance terms in trade.		
3.	Evaluate foreign direct investment design.		

Human Resource Elective - I

Semester	III	Total Credit	4
Course Code	CC- Spl-I-305 –B (HR- I)	Credit Pattern	L-45, T-8, P-7
Course Title	EMPLOYEE RELATIONS AND LABOUR LAWS- HR I		
Course Outcomes : Students will be able to :-			
1	Discuss the concepts and theories to manage Industrial Relations and Labor Laws.		
2	Apply the concept of industrial relations, legal issues to the system in which it operates.		
3	Solve industrial Related legal issues used in the resolution of conflict.		
4	Critically evaluate emerging trends in employment law.		
5	Design the collective bargaining process, including preparation, negotiation, and settlement.		

Marketing Elective: I

Course Code	CC- Spl-I-305-C (MM-I)	Credit Pattern	L-45, T-8, P-8
Course Title	IMC AND SALES MANAGEMENT –MM I		
Course Outcomes: Students will be able to;			
1	Describe the core role of consumer-based brand equity , advertising management		
2	Apply selling process and the concepts of Integrated Marketing Communication		
3	Evaluate Advertisement Campaign		

Operation Management Elective-1

Semester	III	Total Credit	4
Course Code	CC- Spl-I-305-D (P-I)	Credit Pattern	L-44, T-8, P-8
Course Title	LOGISTICS & SUPPLY CHAIN MANAGEMENT- P-I		
Course Outcomes: Students will be able to;			
1	Describe the concepts of Logistics and Supply Chain Management.		
2	Apply appropriate Logistics and Supply Chain Distribution Strategies in the organization.		
3	Analyze Supply Chain Planning and Coordination strategies.		
4	Evaluate the recent developments in Logistics and Supply Chain Management.		

Agri-Business Management Elective- I

Semester	III	Total Credit	4
Course Code	CC- Spl-I-305- E (AB-I)	Credit Pattern	L-44, T-8, P-8
Course Title	AGRI BUSINESS, ENTREPRENEURSHIP AND COOPERATIVES – AB-I		
Course Out Comes: Students will be able to			
1	Explain the concepts of Agribusiness, Entrepreneurship and Cooperatives.		
2	Make use of conceptual framework for the development of cooperatives and agribusiness sector.		
3	Evaluate the role of national and international institutions in agribusiness sector.		

System Elective-1

Semester	III	Total Credit	4
Course Code	CC-Spl-I-305-F (S-I)	Credit Pattern	L-45, T-8, P-7
Course Title	KNOWLEDGE MANAGEMENT AND ERP SYSTEM- S-I		
Course Outcomes : The Students will able to			
1	Describe the Knowledge management strategies.		
2	Discuss KM, learning organizations, intellectual capital and related terminologies in clear terms and understand the role of knowledge management in organizations.		
3	Imitate the different technologies used in ERP.		

DSE – Any One

Semester	III	Total Credit	4
Course Code	DSE-Spl-II-301-A(F-II)	Credit Pattern	L-45, T-6, P-9
Course Title	DIRECT & INDIRECT TAXES- F-II		
Course Outcomes: The students will able to learn			
1	Assess applicability of GST liability.		
2	Analyze deductions from gross total income.		
3	Evaluate the income under different heads and taxability.		

Course Code	DSE-Spl-II-301-B (HR- II)	Credit Pattern	L-45, T-8, P-7
Course Title	STRATEGIC AND INTERNATIONAL HUMAN RESOURCE MANAGEMENT- HR-II		
Course Outcomes : Students will be able to :-			
1	Describe the different concepts in Strategic and International HRM.		
2	Interpret the implications of culture on HR Practices.		
3	Evaluate different HR interventions in cross-border mergers and acquisitions.		
4	Adapt HR management practices in changing International scenario.		

Course Code	DSE-Spl-II-301-C (MM –II)	Credit Pattern	L-45, T-8, P-7
Course Title	RETAILING, SERVICE AND INDUSTRIAL MARKETING –MM-II		
Course Outcomes: Students will be able to;			
1	Discuss the operations of the retail business, as well as the different retail forms and channels.		
2	Examine the parameters that determines success of retail merchandise.		
3	Examine the nature of services, and distinguish between products and services		
4	Apply industrial market segmentation, positioning and selecting target markets.		

Course Code	DSE-Spl-II-301-D (P-II)	Credit Pattern	L-44, T-8, P-8
Course Title	PURCHASING AND INVENTORY MANAGEMENT- P-II		
Course Outcomes: Students will be able to;			
1	Describe the concepts of Purchasing and Inventory Management.		
2	Apply Purchasing and Inventory Management Techniques at Manufacturing and Service Sector.		
3	Analyze issues involved in Purchasing and Inventory Management.		
4	Evaluate Purchasing and Inventory Management strategies.		

Course Code	DSE-Spl-II-301-E (AB-II)	Credit Pattern	L-45, T-8, P-8
Course Title	RURAL AND AGRICULTURAL MARKETING- AB-II		
Course Out Comes: Students will be able to			
1	Discuss the features of rural and urban markets for consumer goods and non-consumer goods.		
2	Apply rural marketing research techniques to understand the rural consumer behavior.		
3	Adapt marketing strategies suitable to rural markets and agricultural inputs.		

Course Code	DSE-Spl-II-301-F (S-II)	Credit Pattern	L-45, T-8, P-7
Course Title	INFORMATION SYSTEM AUDIT AND CONTROL – S-II		
Course Outcoms: Student will able to			
1	Classify the concepts of computer security, computer security threats and the corresponding remedies.		
2	Describe the trend of computer security threats.		
3	Develop an audit plan to achieve the IT audit objectives.		

Generic Elective- Any One

Semester	III	Total Credit	4
Course Code	GE-301 - A	Credit Pattern	L-45, T-7, P-8
Course Title	ENTREPRENEURSHIP DEVELOPMENT		

Course Outcomes: Students will be able to;	
1	Describe the Concepts of Entrepreneur & Entrepreneurship Development.
2	Apply Entrepreneurship Development practices to start new enterprise.
3	Analyze issues involved in Entrepreneurship Development.
4	Evaluate Business Plan of new enterprise.

Generic Elective- Any One

Semester	III	Total Credit	4
Course Code	GE-301 - A	Credit Pattern	L-45, T-7, P-8
Course Title	ENTREPRENEURSHIP DEVELOPMENT		

Course Outcomes: Students will be able to;	
1	Describe the Concepts of Entrepreneur & Entrepreneurship Development.
2	Apply Entrepreneurship Development practices to start new enterprise.
3	Analyze issues involved in Entrepreneurship Development.
4	Evaluate Business Plan of new enterprise.

Semester	III	Total Credit	4
Course Code	GE-301- B	Credit Pattern	L-48, T-8, P-4
Course Title	E-COMMERCE		

Course Outcomes	
After completion of this course the student will be able to:	
1	Integrate the knowledge of foundational functional areas of commerce in order to develop a holistic perspective on the role of IT in organizations.
2	Select and apply appropriate models to analyze the role of IT in an organization.
3	Recognize the business impact and potential of e-commerce
4	Develop a holistic perspective on the role of IT in organizations.

Course Code	GE -301-C	Credit Pattern	L-40, T-10, P-10
Course Title	FUNDAMENTAL OF COUNSELING		
Course Outcomes: Students will be able to			
1	Learn about conceptual understanding of the psychological foundation of human behaviour.		
2	Gain the knowledge of various fields of counseling.		
3	Identify and solve problems of individuals.		
4	Work effectively as part of a team.		
5	Understand various types of problems faced by people in the society.		
6	Learn diverse perceptives on the functioning of human behaviour.		

Course Code	GE-301-D	Credit Pattern	L-40, T-10, P-10
Course Title	FUNDAMENTALS OF MACRO ECONOMICS		
Course Outcomes: Students will be able to			
1	Identify the macro variables in any economy.		
2	Describe the economic theories and variations in macro variables.		

Course Code	GE 301-E	Credit Pattern	L-45, T-15, P-0
Course Title	SUSTAINABLE AGRICULTURE (Only for the students of other Departments)		
Course Outcomes: After completion of this course students will be able to			
1.	Explain the importance of agriculture, components of agri-ecosystem, and will learn importance of biodiversity in agri-ecosystem.		
2.	Determine Irrigation water quality and water requirement for sustainability, and propose methods of soil & water conservation.		
3.	Understand & apply many ecological principles in soil health management, pest management and fertilizer management through an integrated approach.		
4.	Propose IPNM & IPM concepts, and recommend remedial measures required for restoration.		

Course Code	AEC 301 (A)	Credit Pattern	L-22, T-2, P-6
Course Title	INTERNATIONAL BUSINESS		
Course Outcomes: Students will be able to			
1.	Analyze international business environment and domestic business environment in different parts of the world.		
2.	Evaluate various entry strategies of the international business firms.		

Course Code	AEC 301 (B)	Credit Pattern	22L, 8TP
Course Title	FUNDAMENTAL OF TOURISM MANAGEMENT		
Course Outcomes: Students will be able to;			
1.	Explain the concepts of travel and tourism.		
2.	Develop a tourism plan.		

Course Code	AEC 301 (C)	Credit Pattern	L-24, T-4, P-2
Course Title	WILDLIFE MANAGEMENT		
Course Outcomes: Students will be able to			
1	Distinguish between various wildlife conservation projects.		
2	Prepare a strategy for conservation of wildlife at local to international level.		
3	Elaborate various conservation practices at national level.		

SEMESTER – IV

Semester	IV	Total Credit	4
Course Code	CC -401	Credit Pattern	L-45, T-8, P-7
Course Title	LAND AND WATER MANAGEMENT		
Course Outcomes: After studying this course the students will able to			
1	Identify the concept of optimal land use planning based on capabilities to prevent further degradation and relate these to appropriate methodologies of sustainable land management.		
2	Describe challenges and give suggestions to manage accelerated soil erosion, ground water recharging and water logging conditions, with the emphasis on prevention, control and reclamation of saline-alkali soils		
3	Develop understanding of the hydrology of streams and lake systems and concept of water shed management, and describing the processes of and importance of groundwater flow and aquifer systems.		
4	Perceive the challenges of maintaining surface and ground water quality, apply their knowledge base and research skills to current issues pertaining to water resource management, and remediation, with emphasis on related economic, social, and public policy dimensions.		

Course Code	CC 402	Credit Pattern	L-45, T-8, P-7
Course Title	MANAGEMENT OF INDUSTRIAL AND CIVIC WASTES		
Course Outcomes: The students will able to;			
1.	Estimate the suitable methods for Solid Waste Management.		
2.	Compare between the various categories of Solid Waste as per the regulations.		
3.	Prioritize the appropriate plan for handling and disposal of Hazardous Waste.		

Course Code	CC 403	Credit Pattern	L-45, T-8, P-7
Course Title	BUSINESS STRATEGIES		
Course Outcomes Students should be able to:			
1	Discuss various concepts and theories in the field of strategic management.		
2	Formulate various types of strategies for a given industry.		
3	Evaluate an industry using various tools and techniques for strategic choice.		
4	Critique strategies implemented.		
5	Devise strategic approaches to managing a business successfully in a global context.		

ANY ONE PAPER

Semester	IV	Total Credit	4
Course Code	CC- Spl-I-404-A (F-III)	Credit Pattern	L-45, T-6, P-9
Course Title	MANAGEMENT ACCOUNTING AND CONTROL SYSTEM- F-III		
Course Outcomes			
The students will able to learn:			
1	Apply concept of marginal costing for decision making.		
2	Analyze various operating and financial leverages to design capital structure.		
3	Evaluate various types of budgets for managerial decision making.		

Course Code	CC- Spl-I-404-B (HR-III)	Credit Pattern	L-45, T-8, P-7
Course Title	CORPORATE PSYCHOLOGY- HR-III		
Course Outcomes:- Students will be able to:			
1	Discuss the major areas of corporate psychology.		
2	Apply the relevant theories, concepts and models of positive psychology to enhance life satisfaction.		
3	Apply theoretical concepts to bring positive changes through stress management, counseling, mentoring and emotional intelligence.		
4	Develop skills for collaborative teamwork, stress management and positive thinking.		

Course Code	CC- Spl-I-404-C (MM- III)	Credit Pattern	L-45, T-7, P-8
Course Title	CONTEMPORARY ISSUES IN MARKETING – MM-III		
Course Outcomes: Students will be able to;			
1	Describe conceptual aspects of Contemporary issues in marketing.		
2	Apply real life business aspects of marketing.		
3	Evaluate marketing situations.		
4	provide solutions for international marketing situations.		

Course Code	CC- Spl-I-404- D (P-III)	Credit Pattern	L-44, T-8, P-8
Course Title	MODERN APPROACHES TO QUALITY MANAGEMENT- P-III		
Course Outcomes: Students will be able to;			
1	Describe different concepts related to Quality Management.		
2	Apply relevant practices of Quality Management in the organization.		
3	Analyze issues involved in Quality Management.		
4	Evaluate the recent developments in Quality Management.		

Course Code	CC- Spl-I-404-E (AB-III)	Credit Pattern	L-44, T-8, P-8
Course Title	AGRI PRODUCTION AND SUPPLY CHAIN MANAGEMENT- AB-III		
Course Out Comes: Students will be able to			
1	Analyze the factors influencing agricultural production and their supply chain.		
2	Adapt traditional and modern practices of farm management.		
3	Develop skills for agricultural supply-chain and logistics infrastructure management.		

Course Code	CC- Spl-I-404-F (S-III)	Credit Pattern	L-45, T-8, P-7
Course Title	APPLIED DATA SCIENCE AND BUSINESS ANALYTICS USING R – S-III		
Course Outcomes: Student will able to			
1	Identify and describe complex business problems in terms of analytical models.		
2	Apply appropriate analytical methods to find solutions to business problems that achieve stated objectives.		
3	Examine data from files and other sources and perform various data manipulation tasks on them.		
4	Apply the knowledge of R gained to data Analytics for real-life applications		

ANY ONE ELECTIVE PAPER -DSE

Semester	IV	Total Credit	4
Course Code	DSE-Spl-II- 401-A (F-IV)	Credit Pattern	L-45, T-6, P-9
Course Title	INVESTMENT AND PORTFOLIO MANAGEMENT- F-IV		
Course Outcomes: The students will able to learn;			
1	Analyze the relationship between security analysis and market portfolio.		
2	Evaluate the performance of portfolios.		
3	Design various investment avenues as a small and corporate investor.		

Course Code	DSE-Spl-II- 401-B (HR-IV)	Credit Pattern	L-45, T-8, P-7
Course Title	TALENT AND HUMAN CAPITAL MANAGEMENT-HR-IV		
Course Outcomes :- Students will be able to:			
1	Describe the concept of Talent and Human Capital Management.		
2	Apply different concepts of Human Capital Management.		
3	Summarize Cafeteria Approach in Compensation.		
4	Critically evaluate emerging trends in Talent and Human Capital Management.		

Course Code	DSE-Spl-II- 401-C (MM-IV)	Credit Pattern	L-45, T-8, P-7
Course Title	MARKETING STRATEGY, CRM AND RURAL MARKETING-MM-IV		
Course Outcomes: Students will be able to;			
1	Explain the concept of marketing strategies, CRM and Rural Marketing.		
2	Develop appropriate marketing strategies for industries.		
3	Evaluate Marketing strategies, CRM and Rural market of India.		

Course Code	DSE-Spl-II- 401-D (P-IV)	Credit Pattern	L-44, T-8, P-8
Course Title	PROJECT MANAGEMENT		
Course Outcomes: Students will be able to;			
1	Describe the concepts of Project and Project Management.		
2	Apply Project Management practices to start new project.		
3	Evaluate Project Management Techniques.		
4	Design Project Management Plan for the undertaken project.		

Course Code	DSE-Spl-II- 401-E (AB-IV)	Type	Discipline Specific Elective (DSE)
Credit Pattern	C – 44, P = 2 T = 2		
Course Title	AGRI COMMODITY MARKETS AND AGRI-BUSINESS-AB-IV		
Course Out Comes: Students will be able to			
1	Discuss commodity markets for various agricultural produce		
2	Analyze commodity trading practices in India and other countries.		
3	Appraise the Agri-commodities Markets and Agribusiness.		

Course Code	DSE-Spl-II- 401-F (S-IV)	Credit Pattern	L-45, T-8, P-7
Course Title	Software Engineering and I.T. Project Management-S-IV		
Course Outcoms: Student will able to			
1	Explain needs for software specifications also they can classify different types of software requirements and their gathering techniques.		
2	Justify role of SDLC in Software Project Development and they can evaluate importance of Software Engineering in PLC.		
3	Familiar with the different methods and techniques used for project management.		
4	Discuss the parameters of software projects success and failures.		
5	Develop the Project Scheduling, tracking, Risk analysis, Quality management and Project Cost estimation using different techniques.		

Course Code	GE 401 -A	Credit Pattern	L-45, T-8, P-7
Course Title	BUSINESS ETHICS		
Course Outcomes: Students will be able to;			
1.	Describe ethical principles in business.		
2.	Analyze ethical and unethical issues.		
3.	Solve ethical dilemmas in the organization.		
4.	Build ethical culture in the organization.		

Course Code	GE 401 B	Credit Pattern	L-45, T-11, P-0
Course Title	Basic Concepts of DBMS		
Course Outcomes: The students will able to			
1.	Define DBMS Schemas and structure		
2.	Illustrate basic concepts of DBMS and various databases used in real applications		
3.	Solve simple as well as complex SQL query problems		
4.	Design ER-models to represent simple database application scenarios		
5.	Apply database design concepts in a given scenario		

Course Code	GE 401-C	Credit Pattern	L-40, T- 10, P-10
Course Title	BASICS OF SOCIAL LEGISLATION		
Course Outcomes: Students Will be able to			
1	Equip students with a comprehensive knowledge about the law, its bases and relationships with the human and institutional agencies.		
2	Understand about the Indian Legal System and procedure.		
3	Apply fundamental rights and duties given in Indian Constitution.		
4	Understand the Legal Aid Services.		
5	Help students to understand the legal systems and procedures of people welfare in India.		

Course Code	GE 401-D	Credit Pattern	L-44, T- 08, P-08
Course Title	INDIAN ECONOMY		
Course Outcomes: Students will be able to			
1	Identify the main issues in Indian economic development.		
2	Critically analyze the Indian economic policy environment.		

Course Code	GE 401 E	Credit Pattern	L-45, T-15, P-0
Course Title	Land and Watershed Management(Only for the students of other Departments)		
Course Outcomes: After completion of this course students will be capable to			
1	Identify concept of optimal land use planning based on capabilities to prevent further degradation and relate these to appropriate methodologies of sustainable land management.		
2	Describe challenges and give suggestions to manage accelerated soil erosion, ground water recharging and water logging conditions, with the emphasis on prevention, control and reclamation of saline-alkali soils.		
3	Demonstrate understanding of the hydrology of streams and lake systems and concept of water shed management, and describing the processes of and importance of groundwater flow and aquifer systems.		
4	Describe the challenges of maintaining surface and ground water quality, apply their knowledge base and research skills to current issues pertaining to water resource management, and remediation, with emphasis on related economic, social, and public policy dimensions.		

Course Code	AEC 401	Credit Pattern	L-24, T-4, P-2
Course Title	SUSTAINABLE AGRICULTURE		
Course Outcomes: After studying this course the students will be able to			
1.	Understand the concept and importance of sustainability in agriculture with relation to current social, economic, and technical challenges and opportunities in sustainable food production.		
2.	Develop an appreciation for the impacts of agriculture on natural resources, energy, environment, and climate change and related solutions for these issues. Propose Integrated approaches in pest and fertilizer management.		