1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Name of the Programme: B.A. ARABIC

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Arabic Morphology	20UAR1CC2		✓			The course aims at developing the skill of making conjugation in Arabic and ensures the gender equality
Tajweed and Tarjama	20UAR1AC2			✓		Tajweed and Tarjama focus on developing the Human Values by giving introduction to quranic sciences
Language Application - Practical	20UAR2CC4P	✓			✓	This course inculcates Professional ethics and encourages us to preserve the environment
Applied Arabic – Practical	20UAR3CC6P	✓			✓	This Spoken Arabic oriented course supports Professional ethics and preserving environment
Media Arabic	20UAR4AC8P	✓				The course gives outline about various aspects of Media and inculcates professional ethics among the learners
History of Arabs I	17UAR1A2		✓	✓		The course deals with the history of classical arabs who paid good respect to the gender and human rights

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
History Of Arabic Literature I	17UAR2A4				✓	History of Arabic literature focuses on the historical incidents with some references with the environment sustainability
Modern Prose	17UAR5C9			✓	✓	This course sheds light on how human values and environment are preserved with the writings of modern writers
Commercial Arabic	17UAR6M2	✓				The course deals with the commercial Arabic usages that promotes professional ethics to its learners

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1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Name of the Programme: M.A. ARABIC

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Drama & Short Stories	20PAR3CC10		✓	✓	✓	The course is the combination of two major literary pieces of Arabic language with rich human values. It also supports the gender equality and safeguarding Environment
Novel	20PAR4CC14		✓	✓	✓	Novel insists in gender equality, human values Environment to its learners
Arabic Translation & Interpretation	20PAR4CC15	✓				The course is well designed with Language development along with Professional ethics
Grammar I	17PAR1C1		✓			Arabic grammar focuses on grammatical rules with slight reference to the equality in gender
Thareekhul Adab I	17PAR1C4			✓	✓	The Course focuses on Literary history where the good concentration was given to Human values and Environment
Indian Islamic History	17PAR1CE1		✓	✓		The course delivers the various historical events where gender and human values were given more priority
Biography	17PAR3C12	✓				The course deals with the biography of famous Arab writer who were well known for professional ethics

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1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Name of the Programme: B.Sc. Biotechnology

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Essential Biodiversity	20UBT1CC1	✓			✓	Students to make observations and record the number of different species. Study in biodiversity an amazing career helping managers and scientists to understand how animals and plants survive in the environment and cope.
Essential Biodiversity – Practical	20UBT1CC2P	✓			✓	Study of following specimens: Balanoglossus, Amphioxux, Hippocampus, and faunal composition of water samples(Lucky drop)
Microbiology I – Bacteriology and Virology	20UBT1AC1	✓		✓	✓	Develop an understanding on the different aspects of Bacteria, fungi, Virus and its history, theory behind the practical parts in this course and also to analyse the different aspects of viral, bacterial diseases and research findings in the areas of Bioinformatics in microbial technology.
Microbiology I – Bacteriology and Virology - Practical	20UBT1AC2P	✓		✓	✓	Develop an understanding for a student to learn the basic principles of sterilization, media preparation, Differentiate organisms based on structural and biochemical properties, Develop

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						skills associated with isolating and enumerating microorganisms from various sources.
Cytology and Cell Biology	20UBT2CC3	✓		✓	✓	Basic concepts of cell biology and properties of cells, cell cycle, Cellular membranes and matrices, impact of behavior of cells in their microenvironment in multi-cellular organisms with emphasis on cell-cell interactions.
Cytology and Cell Biology – Practical	20UBT2CC4P	✓		✓	✓	Structure of cells using microscopy and other analytical techniques, cytochemical methods, Identify the different stages of mitosis and meiosis cell division, and to Design experiments to investigate a scientific problem and present advanced knowledge in the specialized fields of cell biology.
Microbiology II Applied Microbiology	20UBT2AC3	✓		✓	✓	Gain knowledge about the basics of soil microbes and their role in biogeochemical cycle, the domains of microbiology and their applications in various industries and to Employ basic laboratory skills.

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Microbiology II Applied Microbiology - Practical	20UBT2AC4P	✓		✓	✓	Technical know-how on versatile techniques in applied microbiology, the application of microbes in industries and technical skills necessary to support microbiology.
Genetics and Evolution	20UBT3CC5	✓		✓		To know the basic concept of principles of genetics and evolutionary concepts in plants, animals and microorganisms, the linkage and crossing over in genetics studies of living organisms.
Genetics and Evolution - Practical	20UBT3CC6P	✓		✓		Acquire basic knowledge through genetics u Mendel's experiments, genetics and evolutio theories, the gene transformation, Transduct Conjugation in bacteria and viruses, Generate knowledge through model experimental flow.
Biochemistry I - Bio molecules	20UBT3AC5	✓		✓		On successful completion of the course the stud should have understood the significance of complex bio-molecules, polysaccharides, lip proteins, nucleic acids, vitamins and minerals.
Biochemistry I – Biomolecules - Practical	20UBT3AC6P	✓		✓		To know the principles, theory and calculations of each experiment, hands on preparation of all the solutions and to standardize solutions individually, the concept of pH meter and preparation of Buffer solution. Asses the qualitative analysis of carbohydrates, amino

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						acids and lipids and to Ensure students to gain practical knowledge about the chromatographic technique.
Molecular Biology and Recombinant DNA Technology	20UBT4CC7	✓		✓	✓	The mechanism of action and the use of restriction enzymes in Biotechnology research. Develop the skills associated with PCR, blotting techniques and its types. Develop the skills associated with plasmid preparations, DNA sequencing and how they are performed. Demonstrate practical and theoretical knowledge essential for pursuing higher studies.
Molecular Biology and Recombinant DNA Technology - Practical	20UBT4CC8P	✓		✓	✓	Comprehend the skills involved in isolation of genomic and plasmid DNA. Isolation, restriction and ligation of the isolated DNA, steps of a bacterial transformation. Selection of recombinants and analysis of cloned genes by sequencing methods and the principles and applications of Polymerase Chain Reaction (PCR).
Biochemistry II – Bioenergetics and Metabolism	20UBT4AC7	✓		✓		Understand the energy transformation in living system, mechanism of oxidative phosphorylation, the metabolism of carbohydrates, lipid metabolism, amino acids, nucleic acid and porphyries metabolism.

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Biochemistry II – Bioenergetics and Metabolism – Practical	20UBT4AC8P	✓		✓		The subject is about to acquire the knowledge about the estimation of Carbohydrate, proteins, saponification number, Acid number and Iodine value of an edible oil, the content of various bio molecules in food substances and the activity
Plant and Animal Physiology	20UBT5CC9	✓		✓	✓	Students to understand the metabolic activities of plants, the role of enzymes in various metabolic activities of plants, Relate the integration of the cardiovascular and respiratory systems, to know the reproductive cycles with hormonal control.
Enzymology	20UBT5CC10	✓		✓		Students to understand the basic concepts of enzymes and coenzymes, significance of enzymes.
Immunology	20UBT5CC11	✓		✓		The subject deals with major components and mechanism of the immune system to protect the body from the pathogens, immunologic responses involved in preventing, combating infections and the concepts of nonspecific and specific immunity.
Plant and Animal Physiology, Enzymology, Immunology - Practical	20UBT5CC12P	✓		✓	✓	The subject ensure the metabolic activities of plants, the role of enzymes in various metabolic activities of plants, Relate the integration of the cardiovascular and respiratory systems and their overall control, Comprehend the functions of

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						human digestive and excretory system and the reproductive cycles with hormonal control.
Plant Biotechnology	20UBT6CC13	✓		✓	✓	The subject is to know the plant tissue culture methods, applications of plant biotechnology in agricultural field, Develop the gene transformation techniques in genetically modified foods.
Animal Biotechnology	20UBT6CC14	✓		✓	✓	Subject to know the animal cell culture and organ culture, genetic engineering in animals, its production and significance , embryo technology and animal breeding, the significance of sericulture and aquaculture.
Bioinformatics and Biostatistics	20UBT6CC15	✓		✓		The subject deals with biological databases and information, measures of central tendency, dispersion and correlation for analysis of data.
Plant Biotechnology, Animal Biotechnology and Bioinformatics and Biostatistics - Practical	20UBT6CC16P	✓		✓	✓	The subject help in production of secondary metabolites products like vaccine, antibiotics etc
Environmental Biotechnology	20UBT5SE2A	✓		✓	✓	Environmental biotechnology involved in treatment of pollutants and [illegible] recovery, biodegradation and bioremediation process,

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						microbial treatment of waste water and category of microbial life in extreme environmental microorganism.
Basics of Forensic Science	20UBT5SE2B	✓		✓		Learn the crime science its role in criminal investigation and Prevention of crime, the Laboratory skills to participate in the career needs of Forensic community and work with different R&D organizations.
Industrial Fermentations	20UBT5SE3A	✓		✓		Subject inputs the use of microorganism for various industrial purposes such as pharma, food, brewers and the textile industries.
Molecular Diagnostics	20UBT5SE3B	✓		✓		Subject deal with the clinical applications of molecular diagnostic in patients with infectious disease.
Ecology and Environment Management	20UBT5DE1B	✓		✓	✓	Subject imparting the knowledge on ecology and ecological dynamics, various Environmental Acts and regulations.
Medical Microbiology	20UBT6DE2B	✓		✓		Impart the knowledge of medically important human diseases with respect to their causative agent, the clinical symptoms, mode of transmission and treatment of bacterial disease in various organ systems.

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
IPR, Bio safety and Bioethics	20UBT6DE3A	✓		✓	✓	The subject incorporates different types of intellectual property rights in general and protection of products in biotechnology research and issues related to application and obtaining patents, ethical aspects related to biological, biomedical, health care and biotechnology research
Cancer and Stem Cell Biology	20UBT6DE3B	✓		✓		The subject incorporates the cancer, growth, causes, and its differentiation. Stem cells, types and its present and future challenges.
Cell Biology	17UBT1C1	✓		✓		The subject is to know the cell biology methods, applications of plant biotechnology in gene transformation techniques in genetically modified.
Cell Biology - Practical	17UBT1C2P	✓		✓		Subject to know the cell biology and organ culture, genetic engineering in animals, its production and significance , embryo technology and animal breeding, the significance of sericulture and aquaculture.
Plant Diversity	17UBT1A1	✓		✓	✓	The subject deals with plant diversity and information, measures analysis of data.

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Plant Diversity - Practical	17UBT1A2P	✓		✓	✓	The subject help in production of secondary .plant diversity metabolites products like vaccine, antibiotics etc
Principles of Genetics and Molecular Biology	17UBT2C3	✓		✓		Principles of genetics and molecular biology involved in microbial life in extreme microorganism.
Principles of Genetics and Molecular Biology - Practical	17UBT2C4P	✓		✓		Learn the Molecular biology its role in criminal investigation and Prevention of gene development.
Biophysics and Biochemistry	17UBT2A3	✓		✓		Subject inputs the use of microorganism for various industrial purposes such as pharma, food, brewers and the textile industries.
Biophysics and Biochemistry - Practical	17UBT2A4P	✓		✓		Subject deal with the clinical applications of molecular diagnostic in patients with infectious disease.
Bioinstrumentation	17UBT3C5	✓		✓		Subject imparting the knowledge on bioinstrumentation, various Environmental Acts and regulations.
Animal Diversity	17UBT3C6	✓		✓	✓	Impart the knowledge of medically important human diseases with respect to their causative agent, the clinical symptoms, mode of transmission and treatment of bacterial disease in various organ systems.

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Microbiology	17UBT3A5	✓		✓	✓	The subject microbiology different types of general and protection of products in biotechnology research and issues related to application and obtaining patents, ethical aspects related to biological, biomedical, health care and biotechnology research
Microbiology-Practical	17UBT3A6P	✓		✓	✓	The subject incorporates the cancer, growth, causes, and its differentiation. Stem cells, types and its present and future challenges.
Mushroom Technology	17UBT3N1	✓		✓		The subject is to know the plant tissue culture methods, applications of plant biotechnology in agricultural field, Develop the gene transformation techniques in genetically modified foods.
Recombinant DNA Technology	17UBT4C7	✓		✓		Subject to know the recombination DNA technology, genetic engineering in animals, its production and significance , embryo technology and animal breeding, the significance of sericulture and aquaculture.
Recombinant DNA Technology- Practical	17UBT4C8P	✓		✓		The subject deals with Recombination DNA technology DNA sequence and plant methods. Blood grouping

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Immunology	17UBT4A7	✓		✓	✓	The subject help in production of secondary metabolites products like vaccine, antibiotics etc
Immunology- Practical	17UBT4A8P	✓		✓	✓	Total leukocytes count using hemocytometer involved in, ELISA and isolation and quantification of DNA
Biofertilizer And Organic Farming	17UBT4N2	✓		✓		Learn the organic farming nitrogen fixers and organic products and production of vermicompost
Plant Biotechnology	17UBT5C9	✓		✓	✓	Subject inputs the use of Genetic engineering in plants and micro propagation, transformation and transonic plant
Animal Biotechnology	17UBT5C10	✓		✓	✓	Subject deal with Embryo technology and animal breeding in vitro
Plant Biotechnology, Animal Biotechnology and Environmental Biotechnology - Practical	17UBT5C12P	✓		✓	✓	Subject imparting the knowledge on Agrobacterium mediated transformation, preparation of animal cell culture medium, estimation of dissolved oxygen in water.
Pharmacognosy	17UBT5M1A	✓		✓		Impart the knowledge of medically important human diseases with respect to their causative agent, the clinical symptoms, mode of

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						transmission and treatment of bacterial disease in various organ systems.
Genomics and Proteomics	17UBT5M1B	✓		✓		The subject Function genomics and DNA microarray genomics nucleotide sequence databases.
Biostatistics and Computer Applications in Biology	17UBT5S2A	✓		✓		The subject deals with biological databases and information, measures of central tendency, dispersion and correlation for analysis of data.
Ethnobotany and Herbal Medicine	17UBT5EC1	✓		✓	✓	The subject help in production of secondary metabolites products like vaccine, antibiotics etc
Bioprocess Technology	17UBT6C13	✓		✓		Environmental biotechnology involved in treatment of pollutants and resource recovery, biodegradation and bioremediation process, microbial treatment of waste water and category of microbial life in extreme environmental microorganism.
Developmental Biology and Human Physiology	17UBT6C14	✓		✓		Learn the crime science its role in criminal investigation and Prevention of crime, the Laboratory skills to participate in the career needs of Forensic community and work with different R&D organizations.

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Bioinformatics	17UBT6C15	✓		✓		The subject deals with biological databases and information, measures of central tendency, dispersion and correlation for analysis of data.
Bioprocess Technology, Developmental Biology and Human Physiology, Bioinformatics - Practical	17UBT6C16P	✓		✓		The subject help in production of secondary metabolites products like vaccine, antibiotics etc
Cancer and Stem Cell Biology	17UBT6M2A	✓		✓		Environmental biotechnology involved in treatment of pollutants and resource recovery, biodegradation and bioremediation process, microbial treatment of waste water and category of microbial life in extreme environmental microorganism.
Food Biotechnology	17UBT6M2B	✓		✓		Learn the crime science its role in criminal investigation and Prevention of crime, the Laboratory skills to participate in the career needs of Forensic community and work with different R&D organizations.

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
IPR, Biosafety	17UBT6M3A	✓		✓	✓	Subject imparting the knowledge on ecology and ecological dynamics, various Environmental Acts and regulations.
Analytical techniques	17UBT6M3B	✓		✓		Impart the knowledge of medically important human diseases with respect to their causative agent, the clinical symptoms, mode of transmission and treatment of bacterial disease in various organ systems.
Marine Ecology and Biodiversity Conservation	17UBT6EC2	✓		✓	✓	The subject incorporates different types of intellectual property rights in general and protection of products in biotechnology research and issues related to application and obtaining patents, ethical aspects related to biological, biomedical, health care and biotechnology research

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Name of the Programme: M. Sc. Biotechnology

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Bioinstrumentation	20PBTCC1	✓			✓	Studies of bioinstrumentation engineers develop and investigate many tools to detect, diagnose, and study biological conditions.
Advanced Biochemistry	20PBT1CC2	✓		✓		Advanced Biochemistry has a special focus on how cells work at molecular level. Together with the related field of molecular biology, biochemistry provides important advances in understanding the molecular basis of life, and how alteration or disruption of these molecular pathways leads to disease processes.
Immunology and Immunotechnology	20PBT1CC3	✓		✓	✓	To immune system in both healthy and diseased states. It includes the study of how the body fights infections from bacteria and viruses, and the development of medical interventions to treat and prevent diseases.
Bioinstrumentation, Advanced Biochemistry , Immunology and	20PBT1CC4P	✓		✓		To immune system in both healthy and diseased states, Together with the related field of molecular biology, biochemistry provides important advances in understanding the

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Immunotechnology - Practical						molecular basis of life engineers develop and investigate many tools to detect, diagnose, and study biological conditions.
Enzymology and Enzyme Technology	20PBT2CC5	✓		✓		The course is designed to give students an understanding of procedures involved in purification of enzymes, enzymes assays and quantitative evaluation of the influencing parameters such as concentrations of substrate / enzyme, pH, temperature and effects of inhibitors on enzyme activity.
Molecular Biology and Genetic Engineering	20PBT2CC6	✓		✓		students will also learn about bacterial viruses, transposons, plasmids and the analysis of recombination, genetic exchange and mutations
Recombination DNA Technology	20BPT2CC7	✓		✓		This course provides theoretical bases to properties and applications of versatile DNA modifying enzymes, cloning strategies, vector types, host genotype specificities for selection and screening of recombinants and/or recombinant transform ants.
Enzymology and Enzyme Technology Molecular Biology and Genetic	20PBT2CC8P	✓		✓		Recombinant DNA technology involves using enzymes and various laboratory techniques to manipulate and isolate DNA segments of interest. This method can be used to [illegible] (or splice)

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Engineering, Recombination DNA Technology - Practical						DNA from different species or to create genes with new functions. students will also learn about bacterial viruses, transposons, plasmids and the analysis of recombination, genetic exchange and mutations
Plant Biotechnology	20PBT3CC9	✓		✓	✓	Biotech crops can make farming more profitable by increasing crop quality and may in some cases increase yields. The use of some of these crops can simplify work and improve safety for farmers.
Animal Biotechnology	20PBT3CC10	✓		✓	✓	Animal biotechnology has been used to produce genetically modified animals that synthesize therapeutic proteins, have improved growth rates or are resistant to disease.
Microbial Technology	20PBT3CC11	✓		✓	✓	This course introduces biotechnology-based applications of microbes and their enzymes. The first part provides fundamental microbiology such as the classification of microorganisms, their structure, metabolism, growth and functional characteristics, handling and identification.

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Plant Biotechnology, Animal Biotechnology, Microbial Technology – Practical	20PBT3CC12P	✓		✓	✓	Biology techniques are used to genetically engineer animals in order to improve their suitability for agriculture, industrial and pharmaceutical applications. Help us fight hunger and disease, produce more safely, cleanly and efficiently, reduce our ecological footprint and save energy.
Genomics and Proteomics	20PBT2DE2A	✓		✓		To identify the subcellular location of each protein. This information can be used to create a 3-D protein map of the cell, providing novel information about protein regulation.
Biopharmaceutical in Nanomedicine	20PBT2DE3A	✓		✓		Study of optimisation of the pharmacological and therapeutic activities of drugs in living organisms and involves identification of the factors influencing their bioavailability.
Bioinformatics and Biostatistics	20PBT4CC13	✓		✓		Biostatistics and bioinformatics courses advanced methods for biological and clinical data analysis to power the development of disease-fighting technology.
Environmental Biotechnology	20PBT4CC14	✓		✓	✓	This course examines current applications of biotechnology to environmental quality evaluations, monitoring, remediation, and mitigation of contaminated environments. The

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						scale of technology ranges from the molecular to macrobiotic. Relevant topics of microbiology and plant biology are presented.
Bioinformatics and Biostatistics, Environmental Biotechnology - Practical	20PBT4CC15P	✓		✓		To environmental quality evaluation, monitoring, courses advanced methods for biological and clinical data analysis, protein and biological sequence studies.
Stem Cell Biology	20PBT3DE3A	✓		✓		This course is to familiarize students with fundamental process of human embryology and developmental biology and progression of pluripotent stem cells through different phases of development.
Marine Biotechnology	20PBT3DE3B	✓		✓	✓	Marine biotechnology could provide entirely new products from the sea and new ways of exploiting marine resources while providing improved technologies for the existing aquacul- true and fishing industry, and help us to monitor and harvest the diverse marine resources in a more predictable way.
Cell Biology	17PBT1C1	✓		✓	✓	To study the basis unit of life

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Advanced Biochemistry	17PBT1C2	✓		✓		Advanced Biochemistry has a special focus on how cells work at molecular level. Together with the related field of molecular biology, biochemistry provides important advances in understanding the molecular basis of life, and how alteration or disruption of these molecular pathways leads to disease processes.
Immunology and Immunotechnology	17PBT1C3	✓		✓	✓	To immune system in both healthy and diseased states. It includes the study of how the body fights infections from bacteria and viruses, and the development of medical interventions to treat and prevent diseases.
Cell Biology, Advanced Biochemistry, Immunology and Immunotechnology - Practical	17PBT1C4P	✓		✓		To immune system in both healthy and diseased states, Together with the related field of molecular biology, biochemistry provides important advances in understanding the molecular basis of life engineers develop and investigate many tools to detect, diagnose, and study biological conditions.
Bioinstrumentation	17PBT1CE1A	✓			✓	Studies of bioinstrumentation engineers develop and investigate many tools to detect, diagnose, and study biological conditions.

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Enzymology and Enzyme Technology	17PBT1CE1B	✓		✓		The course is designed to give students an understanding of procedures involved in purification of enzymes, enzymes assays and quantitative evaluation of the influencing parameters such as concentrations of substrate / enzyme, pH, temperature and effects of inhibitors on enzyme activity.
Applied Microbiology	17PBT2C5	✓		✓	✓	Study of microbial benefits in various industries
Molecular Biology and Microbial Genetics	17PBT2C6	✓		✓	✓	students will also learn about bacterial viruses, transposons, plasmids and the analysis of recombination, genetic exchange and mutations
Recombinant DNA Technology	17PBT2C7	✓		✓	✓	This course provides theoretical bases to properties and applications of versatile DNA modifying enzymes, cloning strategies, vector types, host genotype specificities for selection and screening of recombinants and/or recombinant transformants.
Applied Microbiology, Molecular Biology and Microbial	17PBT2C8P	✓		✓	✓	Recombinant DNA technology involves using enzymes and various laboratory techniques to manipulate and isolate DNA s[illegible] of interest.

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

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		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Genetics, Recombinant DNA Technology - Practical						This method can be used to combine (or splice) DNA from different species or to create genes with new functions. students will also learn about bacterial viruses, transposons, plasmids and the analysis of recombination, genetic exchange and mutations
Biopharmaceuticals in Nanomedicine	17PBT2CE2A	✓		✓		Study of optimisation of the pharmacological and therapeutic activities of drugs in living organisms and involves identification of the factors influencing their bioavailability.
Stem cell Biology	17PBT2CE2B	✓		✓		This course is to familiarize students with fundamental process of human embryology and developmental biology and progression of pluripotent stem cells through different phases of development.
Plant Biotechnology	17PBT3C9					Biotech crops can make farming more profitable by increasing crop quality and may in some cases increase yields. The use of some of these crops can simplify work and improve safety for farmers.
Animal Biotechnology	17PBT3C10					Animal biotechnology has been used to produce genetically modified animals to synthesize

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						therapeutic proteins, have improved growth rates or are resistant to disease.
Bioinformatics and Biostatistics	17PBT3C11	✓		✓		Biostatistics and bioinformatics courses advanced methods for biological and clinical data analysis to power the development of disease-fighting technology.
Plant Biotechnology, Animal Biotechnology, Bioinformatics and Biostatistics-Practicals	17PBT3C12P					Biology techniques are used to genetically engineer animals in order to improve their suitability for agriculture, industrial and pharmaceutical applications. Help us fight hunger and disease, produce more safely, cleanly and efficiently, reduce our ecological footprint and save energy.
Research Methodology, IPR and Biosafety	17PBT3CE3A	✓		✓		The write the valuable thesis in prompt way, to have the patency in research and deal with environmental concern
Genomics and Proteomics	17PBT3CE3B	✓		✓		To identify the subcellular location of each protein. This information can be used to create a 3-D protein map of the cell, providing novel information about protein regulation.
Genetic toxicology	17PBT3EC1	✓		✓		Studies deal with toxicology and the ethical issue and concern

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Industrial Biotechnology	17PBT4C13	✓		✓	✓	Learn to use biological product in large scale process like phama, textile, food and brewery industries
Environmental Biotechnology	17PBT4C14	✓		✓	✓	This course examines current applications of biotechnology to environmental quality evaluation, monitoring, remediation, and mitigation of contaminated environments. The scale of technology ranges from the molecular to macrobiotic. Relevant topics of microbiology and plant biology are presented.
Bioinformatics and Biostatistics, Environmental Biotechnology - Practical	17PBT4C15P	✓		✓		Biostatistics and bioinformatics courses advanced methods for biological and clinical data analysis to power the development of disease-fighting technology
Agricultural Biotechnology	17PBT4EC2	✓		✓	✓	Biotech crops can make farming more profitable by increasing crop quality and may in some cases increase yields. The use of some of these crops can simplify work and improve safety for farmers.

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1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Name of the Programme: B. Sc. Botany

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Environmental Studies	20UCN3AE2	✓			✓	Students inculcated regarding Environmental issues and ethics with various activities.
Edible Mushroom Cultivation and Commercialization	20UBO3GE1			✓		Developing the skills, cultivation practices of the edible mushrooms to students.
Nursery, Gardening for Entrepreneurship	20UBO4GE2		✓	✓	✓	Developed the skills for constructing gardens. Acquired the theoretical knowledge on propagation technique and also exposure on entrepreneurship.
Plant Systematics and Economic Botany	20UBO5CC9			✓	✓	Realize the morphological and salient features of the various plant varieties and various plant families. Familiarize the economical importance of plants.
Algal Cultivation Techniques for Entrepreneurship	20UBO5SE2A		✓	✓	✓	Students understand the different types of Algal habits and habitats of their culture techniques. Acquired knowledge on seaweed cultivation and their commercialization
Greenhouse Technology	20UBO5SE3A			✓	✓	Understand the alternate technologies for plant growth and development. Recognized the role of greenhouse production and marketing of algal products.

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Plant Ecology and Phytogeography	20UBO6CC13				✓	Students are realize the role of ecological aspects. Understand the knowledge of various pollutions and their mitigation.
Plant Molecular Biology and Biotechnology	20UBO6CC14			✓	✓	Exposure on genome organization, gene expression, rDNA technology and Tissue Culture techniques.
Biological Techniques	20UBO6CC15			✓	✓	Elucidate the Histological, Spectroscopy, Chromatography and Centrifugation techniques.
Industrial Botany	20UBO6DE2A	✓		✓		Realize the values of plants in secondary metabolites production, biofuels and fermentation technology. Acquired knowledge on mushroom cultivation industrial based plant products.
Horticulture and Plant Breeding	20UBO6DE3A			✓	✓	Familiarize the cultivation practices of gardens, ornamental plants & Fruits. Understand the principles of plant breeding practices.
Environmental Studies	17UCN2ES	✓			✓	Students inculcated regarding the Environmental issues and ethics.
Plant Systematics and Economic Botany	17UBO5C10			✓	✓	Students familiarize the plants of different families and their role in environment sustainability with human values.
Biofertilizer Technology	17UBO5S2A	✓		✓	✓	To impart knowledge on biofertilizer production and its significance to sustain the soil fertility.

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Greenhouse Technology	17UBO5S3A		✓	✓	✓	Understand the alternate technologies for plant growth and development. Recognized the role of greenhouse production and marketing of plant products.
Medicinal Botany	17UBO5EC1	✓	✓	✓	✓	Acquired knowledge on value added products from plants and its application to human beings
Plant Biotechnology				✓	✓	Impart knowledge regarding potentiality of plants and its importance in biotechnology for the production of novel compounds.
Plant Ecology and Phytogeography	17UBO6C15			✓	✓	To inculcate the knowledge on the interaction of plants and animals with the environment. To know about the hazards of pollution and the importance of keeping environment clean. To acquire knowledge on the types of vegetation
Industrial Botany	17UBO6M2A	✓	✓	✓	✓	Acquired knowledge about the plants and their importance regarding industrial production of value added products.
Horticulture and Plant Breeding	17UBO6M3A			✓	✓	To understand the principles and applications of horticulture and plant breeding.
Wood science and Technology	17UBO6EC2			✓		Imbibe knowledge regarding types of wood, seasoning, preservation and modern techniques of wood products.

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Name of the Programme: M. Sc. Botany

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Applied Marine Botany	20PBO1DE1A		✓	✓	✓	Understand the basics in marine environment relevant to remote sensing. Realize the cultivation practices of marine algae / seaweed and their products.
Floriculture for Entrepreneurship and Export	20PBO2DE2A	✓		✓	✓	Realize the importance of floriculture and cultivation practices. Acquired knowledge on entrepreneurial and export practices.
Plant Systematics and Ethnobotany	20PBO3CC9			✓	✓	Familiarize the plants of different families and their role in environment sustainability with human values. And scientific study of traditional knowledge and customs of people concerning plants.
Plant Ecology and Conservation Biology	20PBO4CC13			✓	✓	Realize the concept of important ecology, population ecology and biogeographic Techniques.
Plant Biotechnology	20PBO4CC14	✓		✓	✓	Familiarize the role of plant tissue culture and molecular mechanism in plant biotechnology and acquired knowledge on IPR.
Plant Tissue Culture and Secondary Metabolites Production	20PBO4DE4A	✓		✓	✓	Understand the micrpropagation techniques and fundamentals of metabolic engineering pertains to industrial products preparation.
Industrial Botany	17PBO1CE1A	✓	✓	✓	✓	Acquired knowledge about the plants and their industrial importance pertains to production of different economically important products.

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Organic Farming	17PBO3EC1	✓	✓	✓	✓	Understand the concept and utility of biological waste into eco-friendly products ant its application to farming practices.
Plant Systematics and Ethnobotany	17PBO3C11			✓	✓	Familiarize the plants of different families and their role in environment sustainability with human values. And scientific study of traditional knowledge and customs of people concerning plants.
Plant Ecology and Conservation Biology	17PBO4C14			✓	✓	Impart knowledge on ecosystem. Acquire knowledge on various pollutions and its mitigation. Understand the conservation aspects and practices of bio-resources.
Horticulture and Greenhouse Management	17PBO2CE2A			✓	✓	Appreciate the practices of horticulture and modern techniques of growing plants in green houses and its successful management.
Plant Tissue Culture	17PBO4CE4A			✓	✓	Exposure to plant tissue culture techniques and its importance for the production of pharmaceutically important products.
Botanical Pharmacy	17PBO4EC2				✓	Knowledge on plants role in pharmacognocy and its pivotal role in pharmacy.

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1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Name of the Programme: B.B.A

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Principles of Management	20UBA1CC1	✓			✓	Acquire the knowledge of principles of management and to understand the basic skills about the qualities of employees from the source of business.
Financial Accounting	20UBA1CC2				✓	The basic accounting skills, passing journal and ledger entries of final accounts. To prepare BRS and to create the non-profit organization, financial statements, etc.
Managerial Economics	20UBA1AC1	✓		✓	✓	Understanding the managerial economic activities, production function, cost concepts, pricing decisions, market strategy, conditions, product competitions, etc. To discuss the managerial economic concepts of framework.
Business Communication	20UBA1AC2			✓	✓	Learning the significance of business communication, writing business letters, preparation of reports. Sending mail and discussions about video conferencing etc.

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Marketing Management	20UBA2CC3			✓	✓	Discussing and to know the concepts of marketing importance, product mix, PLC, functions. To analyze the wholesaler, retailer, marketer's role of playing in the field.
Business Environment	20UBA2CC4			✓	✓	The students may understand the different business environment aspects, factors, technological effectiveness and management of planning. To know the responsibilities of business and goals.
Mathematics and Statistics for Manager	20UBA2AC3			✓	✓	Understanding the concepts of mathematics and statistics and learn the simple and compound interest, calculation of matrices, apply rank correlation and regression.
MS – Office Management - Practical	20UBA2AC4P			✓	✓	To learn the practical knowledge about the MS-office management to use the data feed and retrieve. To officially use MS-office aspects and business preparations.
Business Accounting	20UBA3CC5				✓	To gain the knowledge regarding business accounting, principles and partnership firm. Acquire the skills about admission, retirement, dissolution, etc.

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Business Laws	20UBA3CC6	✓	✓		✓	Learners acquires the skills of contract. Particularly business organizational laws and essentials, law of agency, etc. To understand the local issues of business, sale of good act, sale agreement.
Operations Research	20UBA3AC5			✓	✓	Solving technique, analyze the results and linear programming problems using appropriate techniques. Develop mathematical skills to analyze the network analysis.
Tally For Business-Practical	20UBA3AC6P			✓	✓	Understand the fundamentals of computerized accounting and tally principles, BRS and GST filing, etc.
Management Principles	20UBA3GE1	✓		✓	✓	Students may understand the functions of management, how to make planning, with a help of company mission, vision and objectives. the learners acquire the knowledge about organisation structure, recruitment, process, co-ordination of business activities and adopting the various control techniques.
Production Management	20UBA4CC7			✓	✓	The students will be able to know the basic knowledge of production management, the concepts of production planning and control and work study, time study, moti[illegible] st[illegible]y and work

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						management. They can understand the importance of material management and inventory control.
Management Information System	20UBA4CC8		✓	✓	✓	To learn the role of IT and information system in business, how to use IT and software to solve business problems and decision making process. to identify the functional areas of business and leadership role of management information system in achieving the business competitive advantage through informed decision making.
Services Marketing	20UBA4AC7			✓	✓	To understand the scope, nature and classification of services, different types of service personnel and gain knowledge on marketing on various services.
Cost Accounting	20UBA4AC8			✓	✓	The students may understand the concepts of cost accounting, various methods of material issues, various methods of wages payment and incentive plans, overhead cost and determine the cost of production
Banking Practices	20UBA4GE2			✓	✓	To learn basic knowledge of Indian banking system, importance of banker and customer relationship knowledge of cheque and e-banking services.

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Management Accounting	20UBA5CC9			✓	✓	The students may understand the techniques of management accounting, cash flow analysis and financial statement analysis. to understand the techniques of marginal costing, preparation of functional budgets.
International Business	20UBA5CC10			✓	✓	Understand about the international business and gain knowledge about multinational corporation, economic integration of developing countries, world trade organisation, gats etc.
Entrepreneurial Development	20UBA5CC11	✓	✓	✓	✓	Acquiring the knowledge about role, needs of entrepreneurs, various schemes of the government and to understand business ideas, various sources of finance, problems of women and rural entrepreneurs.
Organisational Behaviour	20UBA5CC12	✓		✓	✓	Acquiring knowledge about organisational behaviour and understanding individual behaviour, personality leadership style theory and to have knowledge about stress management organisation change and development.
Consumer Behaviour	20UBA5DE1A		✓	✓	✓	Students may understand the meaning of consumer behaviour, market segmentation, consumer motivation, opinion leadership and

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						knowing about the nature of consumer attitude, online marketing and consumer protection.
Corporate Accounts	20UBA5DE1B			✓	✓	Students may learn the ascertainment of pre and post incorporation profits and acquiring the latest updates of amalgamation, absorption and reconstruction, liquidation of companies and to prepare holding company accounts, final accounts of banks with rbi guidelines.
Introduction To Research Methodology	20UBA5SE2A			✓	✓	To understand the basic framework of research, need of research design, and to help the students of select sample and collect data from various sources. to educate students to the art of research report writing.
Supply Chain Management	20UBA5SE2B			✓	✓	To acquire knowledge about basic objectives of supply chain management, role of transportation and knowing the factors influencing supply chain network design decisions in present era.
Aptitude Test	20UBA5SE3A			✓	✓	To acquire knowledge for a candidates and problem solving, provide solution and assessing individual performance in different work related tasks, person ability to spell words correctly, use correct grammar to understand [illegible] and meaning

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						to equip the knowledge about pop culture, history.
Knowledge Management	20UBA5SE3B	✓		✓	✓	Students may understand the meaning, scope, significance of techniques of knowledge management, role of km in human resource management and knowing about importance of technology influences of km on various organisation, career opportunities in km.
Financial Management	20UBA6CC13			✓	✓	Students may learn about the fundamental aspects of financial management to gain knowledge of capital structure.
Strategic Management	20UBA6CC14	✓		✓	✓	To know the concepts of strategy and strategic management, mission statement, objectives, vision and understand formulation of strategy, the strategy control and various techniques of control process.
Human Resource Management	20UBA6CC15	✓	✓	✓	✓	To understand the concepts in human resource management. to acquire basic knowledge about HR planning process, job analysis, recruitment process and performance appraisal in organisation.

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Industrial Relations	20UBA6CC16	✓		✓	✓	The students may understand the concepts, objectives of the industrial dispute act 1947, to know about industrial dispute settlement process. role and functions of trade union.
Advertising and Salesmanship	20UBA6DE2A		✓	✓	✓	Students may learn basic of advertising, objectives and to understand advertising budget, copy and agency. to gain knowledge about advertising media, selling, salesmanship, sales promotion and strategy.
Banking and Financial Services	20UBA6DE2B			✓	✓	To know about Indian banking and finance system and gain the knowledge about financial services in India.
Retail Marketing	20UBA6DE3A			✓	✓	To gain knowledge about classification of retailer, retail store operation, retail communication and its challenges.
Securities Market	20UBA6DE3B	✓		✓	✓	To acquire knowledge about securities market, primary market, secondary market, mutual fund investment and mechanism in grievances, redressal in securities market.
Business Administration of Competitive Examination	20UBA6EC2			✓	✓	To improve the skill set of management students to face the industrial exposure.

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Principles of Management	17UBA1C1	✓			✓	To enable the students to understand the Principles of Management And the basic concepts used in management.
Financial Accounting	17UBA1C2				✓	To enable the students to understand the accounting concept, Principles and gain knowledge in the preparation of final accounts of a sole trader.
Economics for Managers	17UBA1A1	✓		✓	✓	To understand the students to learn the various economic concepts and their Application in business decisions.
Business Environment	17UBA1A2			✓	✓	To promote basic understanding of the concepts of business environment and to Enable them to realize their implication in business decision.
Marketing Management	17UBA2C3			✓	✓	To enable the students to learn the basic functions principles and concepts used for decision making in marketing
Managerial Communication	17UBA2C4			✓	✓	To enable the students, understand the significance of communication particularly in the fields of sales and its execution,
Business Mathematics and Statistics	17UBA2A3			✓	✓	To enable the students to gain knowledge about the basic mathematical tools and statistical techniques used in busines

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
MS – Office Management - Practical	17UBA2A4P			✓	✓	To enable the students to learn the computer concepts and also to develop the practical knowledge in MS-Word, Excel, Power Point, Access.
Business Accounting	17UBA3C5				✓	To gain the knowledge regarding business accounting, principles and partnership firm. Acquire the skills about admission, retirement, dissolution, etc.
Business Laws	17UBA3C6	✓	✓		✓	Learners acquires the skills of contract. Particularly business organizational laws and essentials, law of agency, etc. To understand the local issues of business, sale of good act, sale agreement.
Services Marketing	17UBA3A5	✓		✓	✓	Solving technique, analyze the results and linear programming problems using appropriate techniques. Develop mathematical skills to analyze the network analysis.
Tally For Business-Practical	17UBA3A6P			✓	✓	Understand the fundamentals of computerized accounting and tally principles, BRS and GST filing, etc.
Management Principles	17UBA3N1	✓		✓	✓	Students may understand the functions of management, how to make planning with a help of company mission, vision and objectives. the

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						learners acquire the knowledge about organisation structure, recruitment, process, co-ordination of business activities and adopting the various control techniques.
Production Management	17UBA4C7			✓	✓	To understand nature and importance of Production management and the areas of decision making in Production Management.
Organisational Behaviour	17UBA4C8	✓		✓	✓	To familiarize the students with the individual behaviour and group behaviour in an organization for organisational decisions
Introduction to Operations Research	17UBA4A7			✓	✓	To facilitate the students to understand the scientific methods available to take the proper decisions in the allocations of scares and resources
Cost Accounting	17UBA4A8			✓	✓	To enable the students to understand the principles and procedure of cost accounting and also to apply them to different practical situations.
Banking Practices	17UBA4N2			✓	✓	To acquaint the students with the theoretical and practices used banking sector in India.
Accounting for Managers	17UBA5C9			✓	✓	To enable the students to know the nature and scope of management acc[illegible] and gain

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						knowledge in the preparation of fund flow, cash flow statement, accounting ratios, Break-even analysis and budgetary techniques.
International Business	17UBA5C10			✓	✓	To enable the student understand the basic concepts connected with international business and International arrangements for the promotion of International Business.
Entrepreneurial Development	17UBA5C11	✓	✓	✓	✓	To enable the students to learn the entrepreneurial knowledge, skills, ability and experience through dogmatic and pragmatic approach towards entrepreneurial development.
Management Information System	17UBA5C12		✓	✓	✓	To enable the students to learn the growing importance of information system and its vital role in decision making in management.
Consumer Behaviour	17UBA5M1A		✓	✓	✓	To make the students understand the consumer behaviour concepts of motivation, learning, personality, group behaviour and decision making.
Company Accounts	17UBA5M1B			✓	✓	To provide an understanding and working knowledge of company accounts.
Business Case Analysis	17UBA5S2A			✓	✓	To develop the analytical ability of the students by understanding the real bu[illegible]tuation. To

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						acquaint with the decision making skills required for a manager.
Banking Practices	17UBA5S2B			✓	✓	To acquaint the students with the theoretical and practices used banking sector in India.
Aptitude test	17UBA5S3A			✓	✓	To enable the students to develop reasoning ability, numerical ability, verbal ability and general knowledge in specific areas including current affairs for facing competitive examination.
Salesmanship	17UBA5S3B		✓	✓	✓	To make the students understand the concept of salesmanship assignments successfully.
Financial Management	17UBA6C13			✓	✓	To familiarize the students with various concepts and principle of financial management and also to develop in them the necessary skills and techniques to take financial decisions.
Strategic Management	17UBA6C14	✓		✓	✓	To enable the students to learn basics of strategic decision making in Management.
Human Resource Management	17UBA6C15	✓	✓	✓	✓	To develop an understanding of managing Human Resources and the areas of decision making in HRM.

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Company Law	17UBA6C16	✓		✓	✓	To make the students understand the formation and mode of functioning of the company and also its winding up.
Advertising & Sales Promotion	17UBA6M2		✓	✓	✓	To develop an understanding of advertisement management and sales promotion concepts.
Financial Services	17UBA6M2B			✓	✓	To enable the students to learn the financial services and also to develop the knowledge in Indian Financial System.
Retail Marketing	17UBA6M3A			✓	✓	To enable the students to learn of the retail business and also to develop the retail marketing skills.
Stock Market Practices	17UBA6M3B	✓		✓	✓	To introduce the students to the practical aspects of the functioning of stock exchange in India. To familiarize the students with the trading mechanism – DEMAT, trading in the stock markets.

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Name of the Programme: B.C.A

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Programming in C	20UCA1CC1	✓				Understanding the basic concepts of Programming Language and develop to write programs in C language
C Programming Lab - Practical	20UCA1CC2P	✓				Learning to develop and debug programs in C language
Numerical and Statistical Methods	20UCA1AC1	✓				Learning the methods for algebraic and transcendental equations with examples
Digital Electronics	20UCA1AC2	✓				Learning about the concepts of sequential and combinational circuits
Programming in C++	20UCA2CC3	✓				Understanding the concepts of object-oriented programming and helps to write program for beginners
C++ Programming Lab - Practical	20UCA2CC4P	✓				Students gain knowledge in C++ and develop their programming skills
Operations Research	20UCA2AC3	✓			✓	PERT and CPM methods are used to solve real life problems like analyze machine elapsed times, construct the networks and plan execution
Entrepreneurship Development	20UCA2AC4	✓		✓		Communicating the concepts of entrepreneurship, motivating the students with supporting institutional schemes,

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						and providing ideas to setting up of service unit/industry
Java Programming	20UCA3CC5	✓				Understanding the concepts of control statements, packages, and interface, learns to develop simple window-based program
Java Programming Lab - Practical	20UCA3CC6P	✓		✓	✓	With the use of object-oriented programming techniques, students create eco-friendly items and hone their teamwork abilities.
Principles of Accountancy	20UCA3AC5	✓		✓		Students participate in collaborative learning, problems and cases in financial accounting selected to foster co-operative learning
Accounting Package Lab - Practical	20UCA3AC6P	✓		✓	✓	Students create trial balance sheets, profit and loss statement, bank reconciliation statement and inventory reports by eco friendly
Office Automation	20UCA3GE1	✓				Students learn the concepts of word basis, excel basis and creating power point and accessing database
Data Structures	20UCA4CC7	✓				Data structures is used to apply the appropriate structures in problem solving and describe the concepts of graph and their applications

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Multimedia and its Applications	20UCA4CC8	✓				Completely learning the concepts how to create multimedia content, applying multimedia in Internet and deliver the content
Scripting Languages	20UCA4AC7	✓				Students develop their critical thinking abilities to plan and build websites
Scripting Languages Lab - Practical	20UCA4AC8P	✓				Developing the web designing skills using the scripting languages and creating the user-friendly websites
Image Editing Tools	20UCA4GE2	✓				Learning how to edit photos, image, video and applying filter and light effect
Operating Systems	20UCA5CC9	✓				Operating system course imparts the concept of different system software and how the operating system functions
Database Management Systems	20UCA5CC10	✓				The course focuses on topics related to database protection and user privacy, apply PL/SQL for processing database
Python Programming	20UCA5CC11	✓				Data science uses Python to address business issues. These consist of demand forecasting, fraud detection, and route optimization for transportation. The existential issues we face should be resolved through data and data science if

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
RDBMS Lab - Practical	20UCA5CC12P1	✓				Understanding of Relational Database concepts and its usage in the real world applications
Python Programming Lab - Practical	20UCA5CC12P2	✓				Students can create their own data analytics software to assist businesses in making decisions
VB .Net	20UCA5DE1A	✓				Understanding the concepts of VB with .NET framework architecture
C# .Net Programming	20UCA5DE1B	✓				Learning the C# programming concepts and applying the object-oriented programming features in C# programming
VB .Net Lab - Practical	20UCA5SE2AP	✓				Students create solution for various real time problems with basic concepts of VB.Net technology
C# .Net Programming Lab – Practical	20UCA5SE2BP	✓				Developing the programming skills in the concepts of C# programming
Data Analytics Tool – Practical	20UCA5SE3AP	✓				Understand the concepts of Big data and challenges in processing Big Data
Software Testing Tools - Practical	20UCA5SE3BP	✓				Software testing is used to test the program code by using open-source software testing tool, both automated and manual test is practiced
General Intelligence for competitive	20UCA5EC1	✓				A broad range of cognitive abilities make up the concept of general intelligence.

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
examinations						These abilities help students learn new things and resolve problems. According to the notion, all cognitive processes are influenced by general intelligence.
Data Communications and Networking	20UCA6CC13	✓				The idea of data communication is being introduced in order to become a successful network administrator
Internet of Things	20UCA6CC14	✓		✓	✓	To educate, develop, and apply IoT in accordance with societal needs. IOT applications have many uses
Software Engineering	20UCA6CC15	✓				Understand the methodologies for constructing software with high quality and reliability. It focuses on collaboration, leadership, and project development approaches.
Software Development Lab- Practical	20UCA6CC16P	✓				Students develop the web site applications using web design concepts and develop the desktop applications using programming concepts with database connections
PHP Programming	20UCA6DE2A	✓				Using PHP's features to make server-side programming easier, MYSQL can be used to create interactive web apps
R Programming	20UCA6DE2B	✓				Understand how statistical functions are used to analyse and visualize data. Utilize R

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						programming for set theory and linear algebra. Determine the best way to integrate R with other languages.
PHP Programming Lab - Practical	20UCA6DE3AP	✓				Developing the server-side programming and web apps
R Tools Lab	20UCA6DE3BP	✓				Students learn to write program for statistical functions and creating graphs
Computer Applications for competitive examinations	20UCA6EC2	✓				Computer awareness question and quizzes for competitive exams
HTML Fundamentals	17UCA1C1	✓				Understanding the basic concepts of HTML Language and to develop web pages
HTML Lab	17UCA1C2P	✓				Learning to develop web pages using HTML
Numerical and Statistical Methods	17UCA1A1	✓				Learning the methods for algebraic and transcendental equations with examples
Entrepreneurship Development	17UCA1A2	✓		✓		Communicating the concepts of entrepreneurship, motivating the students with supporting institution and schemes, and providing ideas to setting up of service unit/industry

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Programming in C	17UCA2C3	✓				Understanding the basic concepts of Programming Language and develop to write programs in C language
C Programming Lab	17UCA2C4P	✓				Learning to develop and debug programs in C language
Operations Research	17UCA2A3	✓			✓	PERT and CPM methods are used to solve real life problems like analyze machine elapsed times, construct the networks and plan execution
PC Administration	17UCA2A4	✓				To teach about PC Hardware and Troubleshooting and basics of Networking
Data Structures	17UCA3C5	✓				Data structures is used to apply the appropriate structures in problem solving and describe the concepts of graph and their applications
Multimedia and its Applications	17UCA3C6	✓				Completely learning the concepts how to create multimedia content, applying multimedia in Internet and deliver the content
Programming in C++	17UCA3A5	✓				Understanding the concepts of object-oriented programming and helps to write program for beginners
C++Programming Lab	17UCA3A6P	✓				Students gain knowledge in C++ and develop their programming ski

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Office Automation	17UCA3N1	✓				Students learn the concepts of word basis, excel basis and creating power point and accessing database
Java Programming	17UCA4C7	✓				Understanding the concepts of control statements, packages, and interface, learns to develop simple window-based program
Java Programming Lab	17UCA4C8P	✓		✓	✓	With the use of object-oriented programming techniques, students create eco-friendly items and hone their teamwork abilities.
Principles of Accountancy	17UCA4A7	✓		✓		Students participate in collaborative learning, problems and cases in financial accounting selected to foster co-operative learning
Accounting Package Lab	17UCA4A8P	✓		✓	✓	Students create trial balance sheets, profit and loss statement, bank reconciliation statement and inventory reports by eco friendly
Principles of Programming	17UCA4N2	✓				To Teach basics of programming languages to non-major students
VB .Net	17UCA5C9	✓				Understanding the concepts of VB with .NET framework architecture
Scripting Languages	17UCA5C10	✓				Students develop their analytical thinking abilities to plan and build web pages

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
General Aptitude	17UCA5C11T	✓				To develop general aptitude knowledge and enhance their skills for attending interviews
Scripting Languages Lab	17UCA5C11P	✓				Developing the web designing skills using the scripting languages and creating the user-friendly websites
VB .Net Lab	17UCA5C12P1	✓				Students create solution for various real time problems with basic concepts of VB.Net technology
RDBMS Lab	17UCA5C12P2	✓				Understanding of Relational Database concepts and its usage in the real world applications
Database Management Systems	17UCA5M1 A	✓				The course focuses on topics related to database protection and user privacy, apply PL/SQL for processing database
RDBMS	17UCA5M1B	✓				Understanding of Relational Database concepts and its usage in the real world applications
Shell Programming	17UCA5S2A	✓				Understanding of basic concepts of shell programming and its usage in the real world applications
Ubuntu Basics	17UCA5S2B	✓				Understanding of basic concepts of ubuntu programming and its usage in the real world applications

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Shell Programming Lab	17UCA5S3AP	✓				Understanding of basic concepts of shell programming using shell commands
Ubuntu Lab	17UCA5S3BP	✓				Understanding of basic concepts of ubuntu programming using ubuntu commands
Java Servlets	17UCA5EC1	✓				Understanding of basic concepts of java servlets and its usage in web development
Data Communications and Networking	17UCA6C13	✓				The idea of data communication is being introduced in order to become a successful network administrator
Operating Systems	17UCA6C14	✓				Operating system course imparts the concept of different system software and how the operating system functions
Software Engineering	17UCA6C15	✓				Understand the methodologies for constructing software with high quality and reliability. It focuses on collaboration, leadership, and project development approaches.
Software Development Lab	17UCA6C16P	✓				Students develop the web site applications using web design concepts and develop the desktop applications using programming concepts with database connections

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
PHP Programming	17UCA6M2A	✓				Using PHP's features to make server-side programming easier, MYSQL can be used to create interactive web apps
C# and .Net Programming	17UCA6M2B	✓				Learning the C# programming concepts and applying the object-oriented programming features in C# programming
PHP Programming Lab	17UCA6M3AP	✓				Developing the server-side programming and web apps
C# and .Net Programming Lab	17UCA6M3BP	✓				Developing the programming skills in the concepts of C# programming
Open Source Computing	17UCA6EC2	✓				Understanding of basic concepts of open source programming.

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1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Name of the Programme: B. Sc. Chemistry

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Volumetric and Photometric Estimation - Practical	20UCH1CC2P				✓	The students are skilled to estimate the metal ions by qualitative analysis
Industrial Chemistry - Practical	20UCH2CC4P				✓	The students are trained to estimate the acid value, iodine value and saponification value of commercial oils and also skilled to check the purity of commercial baking soda, washing soda and vitamin-C tablets.
Preparation of Domestic Products and their Quality Testing-Practical	20UCH3CC6P	✓				The students are skilled to prepare domestic products and also to check their quality.
Chemistry in Daily Life	20UCH3GE1A				✓	Students understand the usage and hazards of chemicals in daily life
Agricultural Chemistry	20UCH3GE1B				✓	Students understand the usage and hazards of fertilizers and pesticides.
Qualitative Analysis of Inorganic Salts-Practical	20UCH4CC8P				✓	The students are skilled to analyze both acid and basic radicals by greener methods

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Food and Nutrition	20UCH4GE2A	✓				The students are aware of food flavours, additives, food adulterants and its detection in various food items.
Nanoscience and its Applications	20UCH4GE2B				✓	The students practise synthesis of nano particles by greener methods.
Physical Chemistry Electrical Practical	20UCH5CC12P				✓	The students are trained to estimate the samples by conductometry and photentiometry.
Preparation and Analysis of Organic Compounds-Practical	20UCH5DE1AP				✓	The students are skilled to analyze the functional groups present in the organic compounds
Quantitative Analysis by Photometric method - Practical	20UCH5DE1BP				✓	The students are trained to estimate the samples by photometric method
Analytical Techniques	20UCH5SE2A				✓	Students understand the safe usage of various analytical tools in laboratory.
Electro Analytical Techniques	20UCH5SE2B				✓	Students understand the safe usage of various electro analytical techniques in industries and research institutes.
Clinical Chemistry	20UCH5SE3A	✓				Students understand the chemistry of drugs and usage ethics

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Water Quality Analysis	20UCH5SE3B				✓	Students understand the causes, consequences and remedies of water pollution and also understand the quality of water.
Gravimetric Estimation and Spectrophotometric Study of Metal Complexes-Practical	20UCH6CC16P				✓	The students are trained to analyze the metal ions by gravimetric method
Essential Molecules for Life	20UCH6DE2A	✓				The students are educated the role of organic bio molecules in human body.
Physical Chemistry Non-Electrical Practical	20UCH6DE3AP				✓	The students are trained to determine the physical parameters in a greener approach.
Chemistry in daily life	17UCH3N1A				✓	Students understand the usage and hazards of chemicals in daily life
Agricultural chemistry	17UCH3N1B				✓	Students understand the usage and hazards of fertilizers and pesticides.
Food and nutrition	17UCH4N2A	✓				The students are aware of food flavours, additives, food adulterants and its detection in various food items.
Nanoscience and its applications	17UCH4N2B				✓	The students practise synthesis of nano particles by greener meth[illegible].

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Analytical techniques	17UCH5S2A				✓	Students understand the safe usage of various analytical tools in laboratory.
Electro analytical techniques	17UCH5S2B				✓	Students understand the safe usage of various electro analytical techniques in industries and research institutes.
Clinical chemistry	17UCH5S3A	✓				Students understand the chemistry of drugs and usage ethics
Water Quality analysis	17UCH5S3B				✓	Students understand the causes, consequences and remedies of water pollution and also understand the quality of water.
Computer applications in chemistry	17UCH5EC1	✓				Students understand the mode of usage of computers in a healthy and safe manner.
Essential molecules for life	17UCH6M2A	✓				The students are educated the role of organic bio molecules in human body.
Volumetric analysis - practical	17UCH1C2P				✓	The students are skilled to estimate the metal ions by qualitative analysis
Industrial chemistry-practical	17UCH2C4P				✓	The students are trained to estimate the acid value, iodine value and saponification value of commercial oils and also skilled to check

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						the purity of commercial baking soda, washing soda and vitamin-C tablets.
Domestic products preparation and food analysis- practical	17UCH3C6P	✓				The students are skilled to prepare domestic products and also to check their quality.
Inorganic qualitative analysis – practical	17UCH4C8P				✓	The students are skilled to analyze both acid and basic radicals by greener methods
Gravimetric estimation and physical constants determination - practical	17UCH5M1AP				✓	The students are trained to analyze the metal ions by gravimetric method
Physical chemistry electrical - practical	17UCH5C12P				✓	The students are trained to estimate the samples by conductometry and photentiometry.
Quantitative analysis by photometric method - practical	17UCH5M1BP				✓	The students are trained to estimate the samples by photometric method
Organic analysis and preparation - practical	17UCH6C16P				✓	The students are skilled to analyze the functional groups present in the organic compounds
Physical chemistry non-electrical - practical	17UCH6M3AP				✓	The students are trained to determine the physical parameters in a greener approach.

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1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Name of the Programme: M. Sc. Chemistry

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Inorganic Estimation and Complex Preparations - Practical	20PCH1CC3P				✓	The students are trained to separate and to estimate the inorganic mixture by both volumetrically and gravimetrically methods.
Organic Preparations and Estimation - Practical	20PCH1CC4P				✓	The students are skilled to estimate, separate and purify the organic samples.
Inorganic Qualitative Analysis and Colorimetric Estimations - Practical	20PCH2CC7P				✓	The students are skilled to analyze both acid and basic radicals by greener methods.
Qualitative Analysis of Organic Mixture and Chromatography Techniques-Practical	20PCH2CC8P				✓	The students are skilled to analyze the functional groups present in the organic compounds.
Industrial Chemistry	20PCH3CC11				✓	Students understand the preparation and applications of industrial chemicals and also understand their environmental impact.
Physical Chemistry Non-Electrical -Practical	20PCH3CC12P				✓	The students are trained to determine the physical parameters in a greener approach.

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Medicinal Chemistry	20PCH3DE3A	✓				The students gain knowledge about the drugs and their mode of action.
Chemistry of Materials	20PCH3DE3B				✓	The students gain knowledge about the nano materials and its synthesis under various methods.
Chemistry of Macromolecules	20PCH4CC14				✓	Students are educated the impact of polymers on environment.
Physical Chemistry Electrical - Practical	20PCH4CC15P				✓	The students are trained to estimate the low concentrated samples by conductometry and photentiometry.
Green and Nano Chemistry	20PCH4DE4A				✓	The students are educated on various green methods for organic compound synthesis and also practise synthesis of nano particles by greener methods.
Environmental Chemistry and Quality Control	20PCH4DE4B				✓	The students learn the hazardous effects of various pollutants in contaminated water and soil.
Industrial chemistry	17PCH3C11				✓	Students understand the preparation and applications of industrial chemicals and also understand their environmental impact.

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Special topics in chemistry	17PCH3CE3A	✓				The students gain knowledge about the drugs and their mode of action.
Material chemistry	17PCH3CE3B				✓	The students gain knowledge about the nano materials and its synthesis under various methods
Analytical techniques	17PCH3EC1				✓	Students understand the safe usage of various analytical tools in laboratory.
Polymer chemistry	17PCH4C14				✓	Students are educated the impact of polymers on environment.
Nano and green chemistry	17PCH4CE4A				✓	The students are educated on various green methods for organic compound synthesis and also practise synthesis of nano particles by greener methods.
Quality control and environmental chemistry	17PCH4CE4 B				✓	The students learn the hazardous effects of various pollutants in contaminated water and soil.
Instrumentation and separation techniques	17PCH4EC2				✓	Students understand the safe handling of chemicals and instruments in laboratory.

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Inorganic estimation and complex preparations-practical	17PCH1C3P				✓	The students are trained to separate and to estimate the inorganic mixture by both volumetrically and gravimetrically.
Organic estimations and chromatography-practical	17PCH1C4P				✓	The students are skilled to estimate, separate and purify the organic samples.
Inorganic qualitative analysis and colorimetric estimations -Practical	17PCH2C8P				✓	The students are skilled to analyze both acid and basic radicals by greener methods.
Organic preparations and mixture analysis-practical	17PCH3C12P				✓	The students are trained to analyze organic compounds and safe disposal of waste.
Physical chemistry non electrical - practical	17PCH4C15P				✓	The students are trained to determine the physical parameters in greener approach.
Physical chemistry electrical-practical	17PCH4C15P				✓	The students are trained to estimate the low concentrated samples by conductometry and photentiometry.

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Name of the Programme: B. Sc. Computer Science

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Programming in C	20UCS1CC1	✓				To read, understand and execute the programs written in C Programming language
C Programming Lab – Practical	20UCS1CC2P	✓				To understand the basic Structure of the C-PROGRAMMING and usage of arrays, pointers and functions.
Value Education	20UCN1AE1	✓	✓	✓	✓	The course ensures a holistic approach to develop physical, mental, social and ethical values in women and helps them to become socially responsible citizens.
Object Oriented Programming with C++	20UCS2CC3	✓				To provide the fundamental knowledge of a object oriented programing and its features which enables the user to write coding in C++.
C++ Programming Lab – Practical	20UCS2CC4P	✓				To write programs using C++, Debug them, test the program with robust values to increase the scalability.
Soft Skill Development	20UCN2SE1	✓				The students acquire various Etiquettes, Public Speaking Skills and Interview attending.
Database Management Systems	20UCS3CC5	✓				The Course focusses on issues pertaining to the protection of [illegible] and

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						privacy of the users and various normalization.
Environmental Studies	20UCN3AE2				✓	The course imparts knowledge about the current environmental issues and develops skills to obtain a balanced solution between the social environmental and economical aspects.
Java Programming	20UCS4CC7	✓				To implement Object Oriented programming concept using Jabasic syntaxes of control Structures, strings and function for developing skills of logic building activity
Data Structures and Algorithms	20UCS5CC10	✓				To impart fundamental knowledge on application of data structures in problem solving and about predefined algorithms
Computer Organization and Architecture	20UCS5CC11	✓				To analyze and design combinational circuit
Operating Systems	20UCS5CC12	✓				To impart the knowledge of various System software and understand the working of Operating systems
Software Engineering	20UCS5DE1A	✓				To demonstrate the use of software and user interface design principles
Computer Graphics and Multimedia	20UCS6CC13	✓				To demonstrate the fundamentals of animation, virtual reality and its related technologies

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Programming in C	17UCS1C1	✓				To read, understand and execute the programs written in C Programming language
C Programming Lab	17UCS1C2P	✓				To understand the basic Structure of the C-PROGRAMMING and usage of arrays, pointers and functions.
Value Education	17UCN1VE	✓	✓	✓	✓	The course ensures a holistic approach to develop physical, mental, social and ethical values in women and helps them to become socially responsible citizens.
Object Oriented Programming with C++	17UCS2C3	✓				To provide the fundamental knowledge of a object oriented programing and its features which enables the user to write coding in C++.
C++ Programming Lab	17UCS2C4P	✓				To write programs using C++, Debug them, test the program with robust values to increase the scalability.
Environmental Studies	17UCN2ES				✓	The course imparts knowledge about the current environmental issues and develops skills to obtain a balanced solution between the social environmental and economical aspects.
Database Management Systems	17UCS3C5	✓				The Course focusses on i pertaining to protection

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						of database and privacy of the users and various normalization.
Soft Skill Development	17UCN3S1	✓				The students acquire various Etiquettes, Public Speaking Skills and Interview attending.
Data Structures and Algorithms	17UCS4C7	✓				To impart fundamental knowledge on application of data structures in problem solving and about predefined algorithms
Java Programming	17UCS5C9	✓				To implement Object Oriented programming concept using Java basic syntaxes of control Structures, strings and function for developing skills of logic building activity.
Computer Organization and Architecture	17UCS5C11	✓				To analyze and design combinational circuit
Operating Systems	17UCS5C12	✓				To impart the knowledge of various System software and understand the working of Operating systems
Software Engineering	17UCS5M1A	✓				To demonstrate the use of software and user interface design principles
Computer Graphics and Multimedia	17UCS6C13	✓				To demonstrate the fundamentals of animation, virtual reality and its related technologies
Gender Studies	17UCN6GS		✓	✓		The students are sensitised to various gender related issues

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1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Name of the Programme: M. Sc. Computer Science

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Mathematical Foundations	20PCS1CC1	✓				Foundations of mathematics, the study of the logical and philosophical basis of mathematics, including whether the axioms of a given system ensure its completeness and its consistency
Java Programming	20PCS1CC2	✓				Java is a widely used object-oriented programming language and software platform that runs on billions of devices, including notebook computers, mobile devices, gaming consoles, medical devices and many others. The rules and syntax of Java are based on the C and C++ languages
Open Source Technology	20PCS1CC3	✓				Open source software (OSS) is software that is distributed with its source code, making it available for use, modification, and distribution with its original rights. Source code is the part of software that

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						most computer users don't ever see; it's the code computer programmers manipulate to control how a program or application behaves.
Java Programming Lab	20PCS1CC4P1	✓				To teach the students basics of JAVA programs and its execution. To teach the students the differences between C++ and Java programming. To make the students learn concepts like packages and interfaces. To make the students understand life cycle of the applets and its functionality.
Advanced Computer Architecture	20PCS1DE1A	✓				Architecture and organization of high performance computers. Principles of instruction sets. Pipeline, instruction level parallelism and multi-processors. Memory, storage and interconnection.
Embedded Systems	20PCS1DE1B	✓				An embedded system is a combination of computer hardware and software designed for a specific function.

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						Embedded systems may also function within a larger system. The systems can be programmable or have a fixed functionality
Database Systems	20PCS2CC5	✓				A database management system (DBMS) is system software for creating and managing databases. A DBMS makes it possible for end users to create, protect, read, update and delete data in a database. The most prevalent type of data management platform, the DBMS essentially serves as an interface between databases and users or application programs, ensuring that data is consistently organized and remains easily accessible.
Data Science and Python	20PCS2CC6	✓				The Data Science with Python course teaches you to master the concepts of Python programming. Through this Python for Data Science training, you will learn Data Analysis,

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						Machine Learning, Data Visualization, Web Scraping, & NLP. Upon course completion, you will master the essential Data Science tools using Python.
Design and Analysis of Algorithms	20PCS2CC7	✓				Design and Analysis of Algorithm help to design the algorithms for solving different types of problems in Computer Science. It also helps to design and analyze the logic on how the program will work before developing the actual code for a program
RDBMS Lab	20PCS2CC8P1	✓				RDBMS stands for Relational Database Management System. It is an information management system that is oriented on a data model. Here all the information is properly stored as tables
Python Programming Lab	20PCS2CC8P2	✓				Python is a computer programming language often used to build websites and software, automate tasks, and conduct data analysis

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Computer Networks and Cryptography	20PCS2DE2A	✓				Cryptography refers to secure information and communication techniques derived from mathematical concepts and a set of rule-based calculations called algorithms, to transform messages in ways that are hard to decipher.
Object Oriented Analysis and Design	20PCS2DE2B	✓				Object-oriented analysis and design (OOAD) is a software engineering approach that models a system as a group of interacting objects. Each object represents some entity of interest in the system being modeled, and is characterised by its class, its state (data elements), and its behavior.
Principles of Compiler Design	20PCS3CC9	✓				The compiler is software that converts a program written in a high-level language (Source Language) to a low-level language (Object/Target/Machine Language/0's, 1's). Cross Compiler that runs on a machine 'A' and produces a code for another machine 'B'
Machine Learning and R Programming	20PCS3CC10	✓				Machine learning is a branch in computer science that utilizes design

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						of algorithms that can learn. Typical machine learning tasks are concept learning, function learning or "predictive modeling", clustering and finding predictive patterns. R is a language and environment for statistical computing and graphics. It is a GNU project which is similar to the S language and environment which was developed at Bell Laboratories
Web Programming	20PCS3CC11	✓				Web programming refers to the writing, markup and coding involved in Web development, which includes Web content, Web client and server scripting and network security. The most common languages used for Web programming are XML, HTML, JavaScript, Perl 5 and PHP
Cloud Computing	20PCS3DE3A	✓				Cloud computing is defined as the use of hosted services, such as data storage, servers, databases, netw[illegible] and

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						software over the internet. Since cloud computing began, the world has witnessed an explosion of cloud-based applications and services in IT, which continue to expand.
Distributed Operating Systems	20PCS3DE3B	✓				A distributed operating system is system software over a collection of independent software, networked, communicating, and physically separate computational nodes. They handle jobs which are serviced by multiple CPUs. Each individual node holds a specific software subset of the global aggregate operating system
Middleware Technology	20PCS4CC13	✓				Middleware is software which lies between an operating system and the applications running on it. Essentially functioning as hidden translation layer, middleware enables communication and data management for distributed applications
Advanced Java Programming	17PCS1C1	✓				Java is a widely used object-oriented programming language and software platform that runs on billions of devices, including notebook com[illegible] mobile

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						devices, gaming consoles, medical devices and many others. The rules and syntax of Java are based on the C and C++ languages
Python Programming	17PCS1C2	✓				Python is an interpreted, object-oriented, high-level programming language with dynamic semantics. Its high-level built-in data structures, combined with dynamic typing and dynamic binding. Python's simple, easy-to-learn syntax emphasizes readability and therefore reduces the cost of program maintenance. Python supports modules and packages, which encourages program modularity and code reuse. distributed
Mathematical Foundations	17PCS1C3	✓				Foundations of mathematics, the study of the logical and philosophical basis of mathematics, including whether the

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						axioms of a given system ensure its completeness and its consistency.
Advanced Computer Architecture	17PCS1CE1A	✓				Architecture and organization of high performance computers. Principles of instruction sets. Pipeline, instruction level parallelism and multi-processors. Memory, storage and interconnection.
Embedded Systems	17PCS1CE1B	✓				An embedded system is a combination of computer hardware and software designed for a specific function. Embedded systems may also function within a larger system. The systems can be programmable or have a fixed functionality.
Distributed Database Systems	17PCS2C5	✓				A distributed database is basically a database that is not limited to one system, it is spread over different sites, i.e, on multiple computers or over a network of computers. A distributed database system is located various

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						sites that don't share physical components. This may be required when a particular database needs to be accessed by various users globally. It needs to be managed such that for the users it looks like one single database.
Open Source Technology	17PCS2C6	✓				Open source software (OSS) is software that is distributed with its source code, making it available for use, modification, and distribution with its original rights. Source code is the part of software that most computer users don't ever see; it's the code computer programmers manipulate to control how a program or application behaves.
Design and Analysis of Algorithms	17PCS2C7	✓				Design and Analysis of Algorithm help to design the algorithms for solving different types of problems in Computer Science. It also helps to design and analyze the logic on how the program

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1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						will work before developing the actual code for a program
Computer Networks	17PCS2CE2A	✓				Computer networking refers to interconnected computing devices that can exchange data and share resources with each other. These networked devices use a system of rules, called communications protocols, to transmit information over physical or wireless technologies.
Cryptography and Network Security	17PCS2CE2B	✓				Cryptography is the study of secure communications techniques that allow only the sender and intended recipient of a message to view its contents. Network Security protects your network and data from breaches, intrusions and other threats. This is a vast and overarching term that describes hardware and software solutions as well as processes or rules and configurations relating to

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						network use, accessibility, and overall threat protection
.Net Technologies	17PCS3C9	✓				NET is a software framework that is designed and developed by Microsoft. The first version of the . Net framework was 1.0 which came in the year 2002. In easy words, it is a virtual machine for compiling and executing programs written in different languages like C#, VB.Net, etc. .NET is a free, cross-platform, open source developer platform for building many different types of applications. With .NET, you can use multiple languages, editors, and libraries to build for web, mobile, desktop, games, IoT, and more.
Principles of Compiler Design	17PCS3C10	✓				The compiler is software that converts a program written in a high-level language (Source Language) to a low-level language (Object/Target/Machine Language/0's, 1's). Cross Compiler that runs on a machine 'A' and produces a code for another machine 'B'
Distributed Operating Systems	17PCS3C11	✓				A distributed operating system is system software over a collection of

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						independent software, networked, communicating, and physically separate computational nodes. They handle jobs which are serviced by multiple CPUs. Each individual node holds a specific software subset of the global aggregate operating system.
Microprocessors and Microcontrollers	17PCS3CE3A	✓				In simple words, The microprocessor is useful in very intensive processes. It only contains a CPU (central processing unit) but there are many other parts needed to work with the CPU to complete a process. These all other parts are connected externally. Microprocessors are not made for a specific task as well as they are useful where tasks are complex and tricky like the development of software, games, and other applications that require high memory and where input and output are not defined. The microcontroller is designed for a specific task or to perform the assigned task repeatedly. Once the program is embedded on a microcontroller chip, it [illegible] altered

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						easily and you may need some special tools to reburn it. As per application, the process is fixed in microcontroller. Hence, the output depends on the input given by the user or sensors or predefined inputs.
Cloud Computing	17PCS3CE3B	✓				Cloud computing is defined as the use of hosted services, such as data storage, servers, databases, networking, and software over the internet. Since cloud computing began, the world has witnessed an explosion of cloud-based applications and services in IT, which continue to expand.
Middleware Technology	17PCS4C13	✓				Middleware is software which lies between an operating system and the applications running on it. Essentially functioning as hidden translation layer, middleware enables communication and data management for distributed applications

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Name of the Programme: M.C.A

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Management Information Systems	20MCA1CC5	✓		✓		The students are enlightened on the principles and practices of management with the usage of technology.
Communication Skills	20MCA1SE1	✓		✓		The students are trained to display competence in oral and written communication, practicing attending interviews.
Innovation and Startup Skills	20MCA3SE3	✓		✓		The students are trained to set or reset the objectives of her business and work individually and along with her group.
Organizational Dynamics	20MCA4DE5A	✓		✓		The students are enlightened on the principles and practices followed in organization and study its ethics.
Human Resource Management	20MCA4DE5C	✓		✓		The students are enlightened on the practices of human resource in organization with their usage of technology

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Industrial Experience and Project Work	20MCA4PW	✓		✓		The students are made to observe and participate in business operations and decision-making. Meet professional role models and potential mentors who can provide guidance, feedback, and support.
Enterprise Resource Planning	17MCA2C12	✓		✓		The students are enlightened on the principles and practices of ERP with the usage of technology.
Communication Skills	17MCA2S1	✓		✓		The students are trained to display competence in oral and written communication, practicing attending interviews.
Accounting and Financial Management	17MCA3C18	✓		✓		It covers how to manage finances and raise new finance. It deals with bookkeeping, cost accounting and budgeting, investment and risk, and teaches how to make effective use of accounting data to make good financial decisions.
Organizational Dynamics	17MCA5C29	✓		✓		The students are enlightened on the principles and practices followed in organization and study its ethics.
Industrial Experience and Project Work	17MCA6PW	✓		✓		The students are made to observe and participate in business operations and decision-making. Meet professional role models and potential mentors who can provide guidance, feedback, and support.

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Name of the Programme: B.Com.

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Fundamentals of Accounting	20UCO1CC1	✓				This course provide an opportunity to acquire the basic principles of accounting and to develop the accounting practices with relevance to Indian Accounting Standards
Advanced Accounts II	20UCO4CC7	✓				Able to prepare financial accounts for partnership firms in different situations of admission, retirement, death and insolvency of the partners
Logistics Management	20UCO5DE1B	✓			✓	Identify the strategic importance of Logistic elements and explain how they affect Supply Chain Management.
Practical Costing	20UCO4C8	✓		✓	✓	The students understood the significant role of cost accounting systems, classification, elements, installation of cost accounting system and applied the procedure to prepare cost sheet, tender and quotation.

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Financial Accounting	20UCO2CC3	✓		✓	✓	Measure the performance of different type of business concerns employing the interpretation skills which will help to approach real problems like insurance claims, Hire Purchase system, etc
Insurance & Risk Management	20UCO3AC5	✓		✓	✓	Analyze the types of insurance such as Fire, Marine and Motor and also understand the Principles of Islamic Insurance. Acquire the knowledge of Risk management and techniques
Banking Technology	20UCO4A7					Employ their learned skills to implement the Paying and collecting of Negotiable Instruments and also determining legal protections
Computerized Accounting - Practical	20UCO5S3P	✓				Interpret financial statement as well as evaluation of Stock at the end and also applying the principles of accounting in preparing necessary reports, Bank Reconciliation statement.
Economic Analysis	20UCO1AC1	✓				Acquire knowledge about the core economic activities of business at domestic and global level
Business Organisation& Management	20UCO1CC2	✓	✓	✓	✓	Acquire the knowledge regarding the functions of Management including the process of planning and its application
Indian Economy	20UCO3A6	✓			✓	To create an idea about the significance of Agriculture in Indian Economy, understand the Land reforms, Green revolution, Agricultural Policy, Industrial Policy and importance of small scale industries and its problems.

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Principles of Accountancy	17UCO1C1	✓				This course provide an opportunity to acquire the basic principles of accounting and to develop the accounting practices with relevance to Indian Accounting Standards
Advanced Accounts	17UCO4C7	✓				Able to prepare financial accounts for partnership firms in different situations of admission, retirement, death and insolvency of the partners
Cost Accounting	17UCO4C8	✓		✓	✓	The students understood the significant role of cost accounting systems, classification, elements, installation of cost accounting system and applied the procedure to prepare cost sheet, tender and quotation.
Financial Accounting	17UCO2C3	✓		✓	✓	Measure the performance of different type of business concerns employing the interpretation skills which will help to approach real problems like insurance claims, Hire Purchase system, etc
Principles of Insurance	17UCO2A4	✓		✓	✓	Analyze the types of insurance such as Fire, Marine and Motor and also understand the Principles of Islamic Insurance.
Banking Law & Practice	17UCO3C6	✓				Employ their learned skills to implement the Paying and collecting of Negotiable Instruments and also determining legal protections
Computer Applications in Business – Practical	17UCO3A6P	✓				Interpret financial statement as well as evaluation of Stock at the end and also applying the principles of accounting in preparing necessary reports, Bank Reconciliation [illegible]t.

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Business Economics	17UCO1A1	✓				Acquire knowledge about the core economic activities of business at domestic and global level
Business Management	17UCO2C4	✓	✓	✓	✓	Acquire the knowledge regarding the functions of Management including the process of planning and its application

Name of the Programme: M.Com.

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Consumer Behaviour	20PCO2DE2B	✓		✓		This course addresses the issues related to consumers and their preference towards products
Statistical Tools For Business Decisions	20PCO2CC7	✓				This course elucidates the mathematical expressions of all business problems using LPP, AP and TP to have ethical approach in the organisation
Enterprises Recourses Planning - Theory	20PCO2CC8	✓				The ERP of an organisation must connect all the departments of it with professional ethics and that is highlighted in this course

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Enterprises Recourses Planning - Practical	20PCO2CC8	✓				The ERP of an organisation must connect all the departments of it with professional ethics and that is highlighted in this course
International Business	20PCO2CC6	✓				The International business scenario and its sustainability is highlighted in this course
Advanced Corporate Accounting	20PCO3CC10	✓				The students are trained as a personal and Corporate rule that govern behaviour within the context of particular ethics.
Advanced Cost And Management Accounting	20PCO1CC3	✓				The Accounting Principles and standards are pinpointed in this course
Security Analysis & Portfolio Management	20PCO3CC12	✓			✓	The stock market and its organisational ethics are highlighted in this course
Customer Relationship Management	20PCO1DE1B	✓		✓		This course encompasses the human values through the management of Customers and their satisfaction in an organisation
Managerial Economics	20PCO1C2					This course concentrates on the economic stability and present business condition along with environmental sustainable strategies for business during various periods
Industrial Relations	20PCO3DE4					Identify the legal framework of the Factories Act consisting of Health, Safety, Welfare Measures and so on.
Advanced Income Tax	20PCO2CC5	✓				Acquire the skills and identify the advanced concepts of specific incomes and deemed income of other persons.

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Commerce For Career Examination	20PCO4EC2	✓				Gain knowledge on Accounting Principles and to acquire application oriented knowledge on Corporate, Cost and Management Accounting
Entrepreneurship and Project Management	20PCO4CC14				✓	This course highlights the types of entrepreneurial activities to be chosen based on environmental analysis
Advanced Human Resource Management	20PCO1DE1A	✓	✓	✓	✓	This course enumerates the view of Human beings are not made of bricks and they are having uniqueness in motivation, Job performance, etc
Corporate law	20PCO1CC1				✓	Understand the Functions, Role, Responsibilities, Appointment and Remuneration of Key Managerial Personnel
Consumer Behaviour	17PCO2CE2B	✓		✓		To appreciate the personal and environmental factors that influence consumer decisions. To understand the strategic implications of consumer influences and marketing decisions.
Quantitative Techniques	17PCO2C5	✓				To have the advanced knowledge and application of concepts of Quantitative techniques in Business and Management
Enterprises Recourses Planning - Theory	17PCO2C8 T	✓				The ERP of an organisation must connect all the departments of it with professional ethics and that is highlighted in this course
Enterprises Recourses Planning - Practical	17PCO2C8 P	✓				The ERP of an organisation must connect all the departments of it with professional ethics and that is highlighted in this course

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
International Marketing	17PCO4C14	✓				To understand the concept and techniques of international marketing and train students to develop and implement plans for entering into international markets.
Advanced Corporate Accounting	17PCO3C12	✓				The students are trained as a personal and Corporate rule that govern behaviour within the context of particular ethics.
Advanced Cost Management	17PCO1C3	✓				The Accounting Principles and standards are pinpointed in this course
Security Analysis & Portfolio Management	17PCO3C10	✓			✓	The stock market and its organisational ethics are highlighted in this course
Customer Relationship Management	17PCO3C11	✓		✓		This course encompasses the human values through the management of Customers and their satisfaction in an organisation
Managerial Economics	17PCO1C2					This course concentrates on the economic stability and present business condition along with environmental sustainable strategies for business during various periods
Industrial Relations	17PCO4CE4A					Identify the legal framework of the Factories Act consisting of Health, Safety, Welfare Measures and so on.
Indirect Taxes	17PCO1C4	✓				This course is to enable students to know different types of indirect taxes and familiar with taxation procedure of various indirect taxes

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Export Management	17PCO4C15				✓	To make familiar with Export Business and to enable them to become an Exporter when they choose such option in future
Human Resource Management	17PCO1CE1A	✓	✓	✓	✓	This course enumerates the view of Human beings are not made of bricks and they are having uniqueness in motivation, Job performance, etc
Corporate Legal Framework	17PCO1C1				✓	To enhance their knowledge upon the Regulatory Framework of Securities Trading, Foreign Exchange Management, Consumer Protection and Banking

Name of the Programme: B. A. Economics

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Indian Economy- I	20UEC1CC1	✓	✓	✓	✓	Topics like poverty, inequality, unemployment, agriculture, labour, Macro distribution are

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						relevant to sustainable and equitable growth of the Indian economy.
Micro Economic Analysis - I	20UEC1CC2	✓			✓	Analyse the behavioural fluctuations of consumer decision, identify the perfections and imperfections of markets.
Economic Statistics - I	20UEC1AC1				✓	Statistical analysis is essential to the field of . . environmental sciences, allowing researchers to gain an understanding of environmental issue
Marketing	20UEC1AC2	✓		✓	✓	This course is designed to impart marketing skills to economics graduates in order to make them employable.
Indian Economy - II	20UEC2CC3				✓	This course deals with various agricultural land reforms and economic development post independence of India
Micro Economic Analysis - II	20UEC2CC4	✓			✓	This course deals with various Micro Economic theories related to production
Economic Statistics - II	20UEC2AC3				✓	This course deals is designed to educate students about various statistical tools which can be used for research and business practices.

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Computer Applications in Economics - Practical	20UEC2A4P				✓	This course is designed to train students with latest computer software for economic analysis
Micro Economic Analysis - III	20UEC3CC5	✓			✓	This course deals with pricing strategies of businesses under different market conditions.
Industrial Economics	20UEC3CC6	✓			✓	This course deals with the factors affecting industrialisation and measure undertaken for its promotion in India
Mathematical Applications in Economics	20UEC3AC5				✓	This course deals with the application of various mathematical tools in economic analysis.
Human Resource Management	20UEC3AC6	✓	✓	✓		This course is focused on various techniques used for effective personnel management in companies.
Elements of Economics	20UEC3GE1			✓	✓	This course deals with basic concepts of economics for other major students
Monetary Economics	20UEC4CC7				✓	This course deals with various monetary tools of the government used for maintaining economic stability
Economic Systems	20UEC4CC8	✓		✓	✓	This course explains the features of different economic systems and eva[illegible]ch system

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		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Financial Economics	20UEC4AC7	✓			✓	This course deals with various financial instruments whish are used as a tool for promoting savings and investment
Econometrics	20UEC4AC8				✓	This course deals with various tools of econometrics which can be used in research.
General Economics	20UEC4AC8	✓		✓	✓	This course deals with general economic concepts focused on various competitive exams
History Of Economic Thought	20UEC5CC9	✓		✓	✓	This course deals with economic ideas of important economists of different schools.
Macro Economics – I	20UEC5CC10	✓		✓	✓	This course deals with important macro economic concepts and theories
International Economics – I	20UEC5CC11				✓	This course deals with concepts of international trade and various international organisations
Fiscal Economics - I	20UEC5CC12			✓	✓	This course deals with theories and concepts of public finance.
Entrepreneurial Development	20UEC5DE1A	✓	✓	✓	✓	This course introduces various entrepreneurial development schemes and impart the skills required to become an entrepreneur

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		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Health Economics	20UEC5DE1B	✓		✓	✓	This Course deals with application of economic concepts in health care systems
Accountancy	20UEC5SE2A	✓		✓		This course is designed to impart basic accounting skills to the students
Principles of Insurance	20UEC5SE2B	✓		✓		This course deals with the basic principles of insurance business and theories related to insurance.
Accounting Packages – Practical	20UEC5SE3AP	✓			✓	This course is designed to enhance the computer skills of students with specific focus on accounting software
Web Designing – Practical	20UEC5SE3BP	✓			✓	This course deals with creation of a website using various tools
Macro Economics – II	20UEC6CC13	✓			✓	This course covers the various macro-economic factors affecting growth and development of a nation
International Economics – II	20UEC6CC14				✓	This course deals with the foreign exchange rate system and international trade relations
Fiscal Economics – II	20UEC6CC15			✓	✓	This course deals with various fiscal measures for economic development.
Economics of Growth And Development	20UEC6CC16			✓	✓	This course deals with concepts and theories related to growth development

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		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Environmental Economics	20UEC6DE2A	✓		✓	✓	This course deals with various theories related sustainable economic development
Banking Theory Law And Practice	20UEC6DE2B	✓				This course deals with various banking procedures and banking laws in India.
Managerial Economics	20UEC6DE3A	✓		✓		This course deals with concepts related to application of economics in business practices.
Rural Economics	20UEC6DE3B			✓	✓	This course deals with the nature, features and measures taken for rural development in India
Economics For Competitive Examinations	20UEC6EC2	✓		✓	✓	This course covers all the important concepts of economics which are useful for preparing students to face competitive examinations.
Indian Economic Development – I	17UEC1C1		✓	✓	✓	This course is designed to impart students with the knowledge of Indian economic growth and development
Micro Economics – I	17UEC1C2	✓		✓	✓	This course deals with the various micro economic concepts like demand, elasticities and utility
Economic Statistics – I	17UEC1A1	✓			✓	This course deals is designed to educate students about various statistical tools which

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						can be used for research and business practices.
Marketing	17UEC1A2	✓		✓	✓	This course is designed to impart marketing skills to economics graduates in order to make them employable.
Indian Economic Development – II	17UEC2C3	✓		✓	✓	This course deals with various agricultural land reforms and economic development post independence of India
Micro Economics – II	17UEC2C4	✓		✓	✓	This course deals with various Micro Economic theories related to production
Economic Statistics – II	17UEC2A3	✓			✓	This course deals is designed to educate students about various statistical tools which can be used for research and business practices.
Human Resource Management	17UEC2A4	✓	✓	✓		This course is focused on various techniques used for effective personnel management in companies.
Micro Economics – III	17UEC3C5	✓		✓	✓	This course deals with pricing strategies of businesses under different market conditions.

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Industrial Economics	17UEC3C6	✓		✓	✓	This course deals with the factors affecting industrialisation and measure undertaken for its promotion in India
Mathematics for Economics	17UEC3A5				✓	This course deals with the application of various mathematical tools in economic analysis.
Computer applications in Economics – Practical	17UEC3A6P	✓			✓	This course is designed to train students with latest computer software for economic analysis
Monetary Economics	17UEC4C7	✓			✓	This course deals with various monetary tools of the government used for maintaining economic stability
Economic Systems	17UEC4C8	✓		✓		This course explains the features of different economic systems and evaluate each system
Financial Economics	17UEC4A7	✓		✓		This course deals with various financial instruments whish are used as a tool for promoting savings and investment
Managerial Economics	17UEC4A8	✓		✓		This course deals with concepts related to application of economics in business practices.

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
History of Economic Thought	17UEC5C9	✓		✓		This course deals with economic ideas of important economists of different schools.
Macro Economics – I	17UEC5C10	✓		✓	✓	This course deals with important macro economic concepts and theories
International Economics – I	17UEC5C11	✓			✓	This course deals with concepts of international trade and various international organisations
Fiscal Economics – I	17UEC5C12	✓			✓	This course deals with theories and concepts of public finance.
Agricultural Economics	17UEC5EC1	✓		✓	✓	This course deals with various reforms and measures taken for agricultural development in India
Macro Economics – II	17UEC6C13	✓		✓	✓	This course covers the various macro-economic factors affecting growth and development of a nation
International Economics – II	17UEC6C14	✓			✓	This course deals with the foreign exchange rate system and international trade relations
Fiscal Economics – II	17UEC6C15	✓		✓	✓	This course deals with various fiscal measures for economic development.
Economics of Growth and Development	17UEC6C16	✓	✓	✓	✓	This course deals with concepts and theories related to growth development

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Economics for competitive Examinations	17UEC6EC2	✓	✓	✓	✓	This course deals with various reforms and measures taken for agricultural development in India
EXIM Management	17UEC5S2A				✓	This course covers the various macro-economic factors affecting growth and development of a nation
Principles of Insurance	17UEC5S2B	✓				This course deals with the foreign exchange rate system and international trade relations
Accounting Packages - Practical	17UEC5S3AP	✓				This course deals with various fiscal measures for economic development.
Web Designing – Practical	17UEC5S3BP	✓			✓	This course deals with concepts and theories related to growth development
Entrepreneurial Development	17UEC5M1A	✓	✓	✓	✓	This course deals with various banking procedures and banking laws in India.
Banking Theory Law and Practice	17UEC5M1B	✓				This course deals with various tools of econometrics which can be used in research.
Econometrics	17UEC6M2A				✓	This course deals with theories and concepts in business management
Principles of Commerce	17UEC6M2B	✓				This course deals with various theories related sustainable economic development

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Environmental Economics	17UEC6M3A	✓		✓	✓	This course deals with the nature, features and measures taken for rural banking development in India
Rural Banking	17UEC6M3B			✓	✓	This course deals with various banking procedures and banking laws in India.

Name of the Programme: M. A. Economics

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Advanced Micro Economic Theory - I	20PEC1CC1	✓			✓	Concepts like Demand analysis, oligopoly models, alternative theories of firm and pricing will help the students to enrich their Professional ethics. The theory of production will help in upholding environment and sustainability.
Advanced Macro Economic Theory - I	20PEC1CC2	✓	✓	✓	✓	The various macro economic concepts in this subject will enable the students to study a country's economy as a whole.
Mathematical Applications in Economic Analysis	20PEC1CC3				✓	This subject helps the students to apply mathematical calculations to maintain environment and ensure sustainable development.
International Economics	20PEC1CC4	✓			✓	The concepts like terms of trade, balance of payments and the role of international institutions will help the students to enrich themselves with professional ethics and a thrust for sustainable development
Environmental Economics	20PEC1DE1A	✓		✓	✓	The various environmental theories and the concept of externalities will enrich the students with professional ethics, human values and thurst for sustainable economic development

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Personnel Management	20PEC1DE1B	✓	✓	✓		This course is focused on various techniques used for effective personnel management in companies.
Advanced Micro Economic Theory – II	20PEC2CC5	✓			✓	This course deals with various Micro Economic theories related to production and markets
Monetary Economics	20PEC2CC6	✓			✓	This course deals with various monetary tools of the government used for maintaining economic stability
Statistical Methods for Economic Analysis	20PEC2CC7	✓			✓	This course deals is designed to educate students about various statistical tools which can be used for research and business practices.
Evolution of Economic Thought	20PEC2CC8	✓			✓	This course deals with economic ideas of important economists of different schools.
Export Management	20PEC2DE2A	✓			✓	This course deals with procedures and practices involved in export of goods and services
Industrial Economics	20PEC2DE2B	✓			✓	This course deals with the factors affecting industrialisation and measure undertaken for its promotion in India

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Research Methodology	20PEC3CC9	✓				This course deals with procedures and tools for conducting systematic research
Managerial Economics	20PEC3CC10	✓		✓		This course deals with concepts related to application of economics in business practices.
Economics of Growth and Development	20PEC3CC11	✓			✓	This course deals with concepts and theories related to growth development
Computer Applications in Economics – Theory	20PEC3CC12T				✓	This course is designed to train students with latest computer software for economic analysis theoretically
Computer Applications in Economics – Practical	20PEC3CC12P				✓	This course is designed to train students with latest computer software for economic analysis practically
Financial Economics	20PEC3DE3A	✓			✓	This course deals with various financial instruments which are used as a tool for promoting savings and investment
Entrepreneurial Development	20PEC3DE3B	✓		✓	✓	This course introduces various entrepreneurial development schemes and impart the skills required to become an entrepreneur

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Indian Economic Development	20PEC4CC13			✓	✓	This course is designed to impart students with the knowledge of Indian economic growth and development
Public Finance	20PEC4CC14			✓	✓	This course deals with theories and concepts of fiscal policy measures
Comparative Economic Systems	20PEC4CC15			✓	✓	This course explains the features of different economic systems and evaluate each system
Econometrics	20PEC3DE4A				✓	This course deals with various tools of econometrics which can be used in research.
Theory and Practices of Interest Free Banking and Finance	20PEC3DE4B	✓		✓		This course deals with theories and concepts of interest free banking and its feasibility in India
Economics for career Examinations	20PEC4EC2	✓		✓	✓	This course covers all the important concepts of economics which are useful for preparing students to face competitive examinations.
Advanced Micro Economic Theory - I	17PEC1C1	✓			✓	Concepts like Demand analysis, oligopoly models, alternative theories of firm and pricing will help the students to enrich their Professional ethics. The theory of production will help in upholding environment and sustainability.

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Advanced Macro Economic Theory	17PEC1C2	✓	✓	✓	✓	The various macroeconomic concepts in this subject will enable the students to study a country's economy as a whole.
Mathematical Applications in Economic Analysis	17PEC1C3				✓	This subject helps the students to apply mathematical calculations to maintain environment and ensure sustainable development.
International Economics	17PEC1C4	✓			✓	The concepts like terms of trade, balance of payments and the role of international institutions will help the students to enrich themselves with professional ethics and a thrust for sustainable development
Environmental Economics	17PEC1CE1A	✓		✓	✓	The various environmental theories and the concept of externalities will enrich the students with professional ethics, human values and thurst for sustainable economic development
Personnel Management	17PEC1CE1B	✓	✓	✓		This course is focused on various techniques used for effective personnel management in companies.
Advanced Micro Economic Theory – II	17PEC2C5	✓			✓	This course deals with various Micro Economic theories related to production and markets

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Monetary Economics	17PEC2C6	✓			✓	This course deals with various monetary tools of the government used for maintaining economic stability
Statistical Methods for Economic Analysis	17PEC2C7	✓			✓	This course deals is designed to educate students about various statistical tools which can be used for research and business practices.
Evolution of Economic Thought	17PEC2C8	✓			✓	This course deals with economic ideas of important economists of different schools.
Export Management	17PEC2CE2A	✓			✓	This course deals with procedures and practices involved in export of goods and services
Industrial Economics	17PEC2CE2B	✓			✓	This course deals with the factors affecting industrialisation and measure undertaken for its promotion in India
Research Methodology	17PEC3C9	✓				This course deals with procedures and tools for conducting systematic research
Managerial Economics	17PEC3C10	✓		✓		This course deals with concepts related to application of economics in business practices.

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Economics of Growth and Development	17PEC3C11	✓			✓	This course deals with concepts and theories related to growth development
Computer Applications in Economics – Theory	17PEC3C12T				✓	This course is designed to train students with latest computer software for economic analysis theoritically
Computer Applications in Economics – Practical	17PEC3C12P				✓	This course is designed to train students with latest computer software for economic analysis practically
Financial Economics	17PEC3CE3A	✓			✓	This course deals with various financial instruments whish are used as a tool for promoting savings and investment
Entrepreneurial Development	17PEC3CE3B	✓			✓	This course deals with various financial instruments whish are used as a tool for promoting savings and investment
Indian Economic Development	17PEC4C13	✓		✓	✓	This course introduces various entrepreneurial development schemes and impart the skills required to become an entrepreneur
Public Finance	17PEC4C14			✓	✓	This course deals with theories and concepts of fiscal policy measures

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Comparative Economic Systems	17PEC4C15			✓	✓	This course explains the features of different economic systems and evaluate each system
Econometrics	17PEC4CE4 A				✓	This course deals with various tools of econometrics which can be used in research.
Theory and Practices of Interest Free Banking and Finance	17PEC4CE4B	✓		✓		This course deals with theories and concepts of interest free banking and its feasibility in India

Name of the Programme: B. A. English

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
English for Effective Communication – I	20UCN1EL1	✓	✓	✓	✓	This course discusses about socio-cultural issues such as gender equality, improves their communicative and grammatical competence and also brings out the necessity of human values which will help in the holistic development of the students at their formative years.
Prose	20UEN1CC1	✓	✓	✓	✓	This course creates an interest among the students in different types of prose and helps them become familiar with the terminology connected to literary prose. It also examines all the human values of the texts by analysing their themes, narratives and style.
Short Stories	20UEN1CC2	✓	✓	✓	✓	This course introduces the students to the concepts of modern short stories with values and ethics through a variety of themes representing time, period, and nationalities with moral values.
Social History of England - I	20UEN1AC1		✓	✓		This course deals with the social history of England from the early period to the modern age. It also focuses on the changes in human values and gender in the social and cultural life of England.
Value Education	20UCN1AE1	✓	✓	✓	✓	This course helps students to gain important values in life and provides various opportunities

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						to enhance the positive attitude and qualities in the minds of young people.
English for Effective Communication – II	20UCN2EL2	✓	✓	✓	✓	Through critical and close reading of the texts, students gain the ability to effectively use their language and lateral thinking skills to examine societal issues.
Poetry – I	20UEN2CC3		✓	✓	✓	The course introduces poems written by the poets from the Elizabethan age to the Neo-classical period, which gives an opportunity for the students to read and interpret poetry, understand the values of gender and humanity.
Fiction – I	20UEN2CC4	✓	✓	✓	✓	The course is designed to learn about the various elements that make a fiction such as plot structure, narrative techniques, character development and historical and political contexts.
Social History of England – II	20UEN2AC3			✓		The course evaluates the major aspects of revolutionary movements and world wars, focusing on the impact of historical events in various fields.
Soft Skills Development	20UCN2SE1	✓				This course helps to develop a variety of soft skills, including communication, emotional, functional, interpersonal and personality skills. These skills deal with emotional intelligence and innate personality traits that are learned through daily life skill activities

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Poetry and Drama	20UCN3EL3	✓	✓	✓	✓	This course introduces the students to poetry and Drama. It focuses on the themes, features, techniques and language of poetry and Drama which helps to inculcate the social values and ethics.
Modern Prose	20UEN3CC5	✓	✓	✓	✓	The course helps the students learn about the different plots, characters, conflicts and settings of various prose pieces. They also come to know about the aesthetic quality of the literary works of different authors, on different subjects and values of life.
Fiction – II	20UEN3CC6	✓	✓	✓	✓	This course explores prominent fictional writers of different nationalities and their usage of plot, theme, character, language and narrative techniques in their fiction which exposes integrity and principles.
Literary Forms	20UEN3AC5	✓				The course intends to provide the students with the opportunity to improve their ability to understand and analyse the techniques of various writers in order to gain proficiency in different genres of literature.
Grammar and Usage	20UEN3AC6	✓				This course deals with the grammatical structures and motivates the students to master the English language by gaining knowledge of its basic rules of grammar.

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		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Remedial English	20UEN3GE1	✓				This course focuses on the students' learning proper grammar, basic structure of English, error free communication and writing English effectively.
Environmental Studies	20UCN2AE2				✓	This course is designed to introduce students to the relationship between nature and the environment. The course includes topics on biodiversity, energy, and natural resources with modern techniques to add value from waste to wealth.
English for Enrichment	20UCN4EL4	✓				This course assists to enhance the language and business oriented skills for the professional development of the students.
Poetry – II	20UEN4CC7	✓		✓		Creation of a holistic person is possible through the values taught through poetry and the different themes and issues relation to natural beauty, male -female dynamics etc are taught by each poem.
Rabindranath Tagore : An In-depth Study	20UEN4CC8	✓	✓	✓	✓	This course provides an in-depth study of Rabindranath Tagore as a writer and his works, which covers his famous poems, short stories, a play and a novel. Human values are given through characters and themes that mould the readers and apply in writing screenplays.
Language and Linguistics	20UEN4AC7	✓				This course focuses on the origins of language, the development of writing, morphology, syntax,

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		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						and semantics and covers a broad overview of language varieties and their parameters.
Journalism	20UEN4AC8	✓		✓		Addresses various global and national issues by exchanging information with integrity by learning the nuances of current trends in communication both written and visual media. Journalistic ethics are also taught to the students.
English for Employability Skills	20UEN4GE2	✓		✓		The course aids to prepare students for competitive and qualifying examinations, as well as to expose them to verbal and written communication in a range of everyday situations.
Drama – I	20UEN5CC9	✓	✓	✓	✓	Through various types of drama, numerous human values are imparted through the plot, theme and characterization.
Indian Writing in English	20UEN5CC11	✓	✓	✓	✓	The texts convey a number of themes related to the socio - cultural ethos of India, with emphasis on the importance of maintaining our culture, traditions, religious freedoms etc. The situation of women is also discussed in many of the course.

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
History of English Language & Phonetics	20UEN5CC12	✓				The course provides an overview of the origin and development of the English language. It also provides an introduction to phonetics with an emphasis on the phonology and the prosodic features of the English language.
English Language Teaching	20UEN5DE1A	✓				The Professional ethics required for teaching are highlighted here
Eco-studies	20UEN5DE1B			✓	✓	Creation of a holistic person is possible through the values taught through poetry and the Environmental themes and issues relation to natural beauty, male -female dynamics etc. are taught by each poem.
Personality Development	20UEN5SE2	✓		✓		The course provides an introduction to personality development, focusing on concepts such as influence, attitude and motivation. It facilitates the development of personality by

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						achieving self-esteem, building self-confidence and attaining employability.
English for Mass Communication	20UEN5SE2	✓		✓		The course intends to create an awareness of the fundamentals of mass communication, highlighting the importance of news. It provides an introduction to the language of journalism and knowledge of journalistic crafts such as news writing, editing and advertising.
English Conversation Practice	20UEN5SE3	✓		✓		This course covers many different aspects of the English language such as English conversation, grammar, vocabulary and writing with the learner's needs in mind, with a focus on language speaking ability and developing communication skills.
English for Business	20UEN5SE3	✓		✓		English for Business course is designed to prepare the students to use English for different

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						types of Business letters, E-mail communication and job-related communication.
Drama – II	20UEN6CC14	✓	✓	✓	✓	Through various types of drama, numerous human values are imparted through the plot, theme and characterization.
American Literature	20UEN6CC15	✓	✓	✓	✓	The texts are based on a number of themes and convey values to the students. The works by female writers offer ideas about gender issues.
Shakespeare	20UEN6CC16	✓	✓	✓	✓	The prescribed plays convey valuable ideas for life. Important values, modes of behaviour and the nuances of gender are discussed in the plays which are useful for personal and professional life.
Commonwealth Literatures	20UEN6DE2B	✓	✓	✓	✓	The course highlight s the voices of the once marginalized communities, and brings out its different cultures and traditions. The importance

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						of the landscape and the ecology and the gender disparities that dominate are featured.
Children's Literature	20UEN6DE2A	✓	✓	✓	✓	Human values and life lessons are taught through poems, short stories and plays made for children, which should be applied to one's personal and professional life.
Classics in Translation	20UEN6DE3A	✓		✓		These translated texts from different parts of the world all contain ideas about different issues related to life, survival, freedom, gender, political unrest, etc. Through them lessons for life are taught, for both personal and professional growth.
Translation Theory and Practice	20UEN6DE3B	✓				Translation practice gives the students professional skills. The ability of translating variety of texts like poems, Dialogues, Invitations etc. are educated.

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Gender Studies	20UCN6AE3		✓	✓		Teaches about Feminism and highlights the manner in which women are treated in various parts of the society. The many Acts that the government has introduced in order to empower women are elaborated upon.
English for Effective Communication – I	17UCN1E1	✓	✓	✓	✓	This course discusses about socio-cultural issues such as gender equality, improves their communicative and grammatical competence and also brings out the necessity of human values which will help in the holistic development of the students at their formative years.
Prose	17UEN1C1	✓	✓	✓	✓	This course creates an interest among the students in different types of prose and helps them become familiar with the terminology connected to literary prose. It also examines all the human values of the texts by analysing their themes, narratives and style.

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Short Stories	17UEN1C2	✓	✓	✓	✓	This course introduces the students to the concepts of modern short stories with values and ethics through a variety of themes representing time, period, and nationalities with moral values.
Social History of England - I	17UEN1A1		✓	✓		This course deals with the social history of England from the early period to the modern age. It also focuses on the changes in human values and gender in the social and cultural life of England.
Value Education	17UCN1VE	✓	✓	✓	✓	This course helps students to gain important values in life and provides various opportunities to enhance the positive attitude and qualities in the minds of young people.
English for Effective Communication – II	17UCN2E2	✓	✓	✓	✓	Through critical and close reading of the texts, students gain the ability to effectively use their language and lateral thinking skills to examine societal issues.

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Poetry – I	17UEN2C3		✓	✓	✓	The course introduces poems written by the poets from the Elizabethan age to the Neo-classical period, which gives an opportunity for the students to read and interpret poetry, understand the values of gender and humanity.
Fiction – I	17UEN2C4	✓	✓	✓	✓	The course is designed to learn about the various elements that make a fiction such as plot structure, narrative techniques, character development and historical and political contexts.
Social History of England – II	17UEN2A3			✓		The course evaluates the major aspects of revolutionary movements and world wars, focusing on the impact of historical events in various fields.
Environmental Studies	17UCN2ES				✓	This course is designed to introduce students to the relationship between nature and the environment. The course includes topics on

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1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						biodiversity, energy, and natural resources with modern techniques to add value from waste to wealth.
Poetry and One-act Plays	17UCN3E3	✓	✓	✓	✓	This course introduces the students to poetry and One-act plays. It focuses on the themes, features, techniques and language of poetry and One-act plays which helps to inculcate the social values and ethics.
Modern Prose	17UEN3C5	✓	✓	✓	✓	The course helps the students learn about the different plots, characters, conflicts and settings of various prose pieces. They also come to know about the aesthetic quality of the literary works of different authors, on different subjects and values of life.
Fiction – II	17UEN3C6	✓	✓	✓	✓	This course explores prominent fictional writers of different nationalities and their usage of plot, theme, character, language and narrative

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						techniques in their fiction which exposes integrity and principles.
Literary Forms	17UEN3A5	✓				The course intends to provide the students with the opportunity to improve their ability to understand and analyse the techniques of various writers in order to gain proficiency in different genres of literature.
Grammar and Usage	17UEN3A6	✓				This course deals with the grammatical structures and motivates the students to master the English language by gaining knowledge of its basic rules of grammar.
Remedial English	17UEN3N1	✓				This course focuses on the students' learning proper grammar, basic structure of English, error free communication and writing English effectively.
Skill Based Elective - I	17UCN3S1	✓				This course helps to develop a variety of soft skills, including communication, emotional,

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						functional, interpersonal and personality skills. These skills deal with emotional intelligence and innate personality traits that are learned through daily life skill activities.
English for Competitive Examinations	17UCN4E4	✓				The course aids to prepare students for competitive and qualifying examinations, as well as to expose them to verbal and written communication in a range of everyday situations.
Poetry – II	17UEN4C7	✓		✓		Creation of a holistic person is possible through the values taught through poetry and the different themes and issues relation to natural beauty, male -female dynamics etc are taught by each poem.
Rabindranath Tagore : An In-depth Study	17UEN4C8	✓	✓	✓	✓	This course provides an in-depth study of Rabindranath Tagore as a writer and his works, which covers his famous poems, short stories, a play and a novel. Human values are given

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1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						through characters and themes that mould the readers and apply in writing screenplays.
Language and Linguistics	17UEN4A7	✓				This course focuses on the origins of language, the development of writing, morphology, syntax, and semantics and covers a broad overview of language varieties and their parameters.
Journalism	17UEN4A8	✓		✓		Addresses various global and national issues by exchanging information with integrity by learning the nuances of current trends in communication both written and visual media. Journalistic ethics are also taught to the students.
Developing Leadership Skills	17UEN4N2	✓		✓		The course aids students to obtain knowledge and skills necessary for employment, emphasising on skill assessments, interpersonal communication skills, workplace responsibilities and leadership skills.

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Drama – I	17UEN5C9	✓	✓	✓	✓	Through various types of drama, numerous human values are imparted through the plot, theme and characterization.
Indian Writing in English	17UEN5C11	✓	✓	✓	✓	The texts convey a number of themes related to the socio - cultural ethos of India, with emphasis on the importance of maintaining our culture, traditions, religious freedoms etc. The situation of women is also discussed in many of the course.
History of English Language & Phonetics	17UEN5C12	✓				The course provides an overview of the origin and development of the English language. It also provides an introduction to phonetics with an emphasis on the phonology and the prosodic features of the English language.
English Language Teaching	17UEN5M1A	✓				The Professional ethics required for teaching are highlighted here
Eco-studies and Poetry	17UEN5M1B			✓	✓	Creation of a holistic person is possible through the values taught through poetry and the Environmental themes and issues relation to natural beauty, male -female dynamics etc. are taught by each poem.

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Personality Development	17UEN5S2A	✓		✓		The course provides an introduction to personality development, focusing on concepts such as influence, attitude and motivation. It facilitates the development of personality by achieving self-esteem, building self-confidence and attaining employability.
English for Mass Communication	17UEN5S2B	✓		✓		The course intends to create an awareness of the fundamentals of mass communication, highlighting the importance of news. It provides an introduction to the language of journalism and knowledge of journalistic crafts such as news writing, editing and advertising.
Functional English	17UEN5S3A	✓		✓		This course covers many different aspects of the English language such as English conversation, grammar, vocabulary and writing with the learner's needs in mind, with a focus on language speaking ability and developing communication skills.

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
English for Business	17UEN5S3B	✓		✓		English for Business course is designed to prepare the students to use English for different types of Business letters, E-mail communication and job-related communication.
Creative Writing Skills	17UEN5EC1	✓				This workshop style class is an introduction to the pleasures of the creative process. The students will benefit from in-depth readings and constructive critical support that would inspire them to write.
Drama – II	17UEN6C14	✓	✓	✓	✓	Through various types of drama, numerous human values are imparted through the plot, theme and characterization.
American Literature	17UEN6C15	✓	✓	✓	✓	The texts are based on a number of themes and convey values to the students. The works by female writers offer ideas about gender issues.
Shakespeare	17UEN6C16	✓	✓	✓	✓	The prescribed plays convey valuable ideas for life. Important values, modes of behaviour and

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1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						the nuances of gender are discussed in the plays which are useful for personal and professional life.
Commonwealth Literatures	17UEN6M2	✓	✓	✓	✓	The course highlight s the voices of the once marginalized communities, and brings out its different cultures and traditions. The importance of the landscape and the ecology and the gender disparities that dominate are featured.
Children's Literature	17UEN6M2	✓	✓	✓	✓	Human values and life lessons are taught through poems, short stories and plays made for children, which should be applied to one's personal and professional life.
Classics in Translation	17UEN6M3	✓		✓		These translated texts from different parts of the world all contain ideas about different issues related to life, survival, freedom, gender, political unrest, etc. Through them lessons for life are

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						taught, for both personal and professional growth.
Translation Theory and Practice	17UEN6M3	✓				Translation practice gives the students professional skills. The ability of translating variety of texts like poems, Dialogues, Invitations etc. are educated.
Gender Studies	17UCN6GS		✓	✓		Teaches about Feminism and highlights the manner in which women are treated in various parts of the society. The many Acts that the government has introduced in order to empower women are elaborated upon.
Public Speaking Skill	17UEN6EC2	✓				The Professional ethics required for public speaking skills are highlighted here

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Name of the Programme: M. A. English

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
British Literature -I	20PEN1CC1	✓	✓	✓	✓	Through the course, values for life are taught to the students. Many of the texts convey the gender dynamics that existed during the period being studied.
British Literature -II	20PEN1CC2	✓	✓	✓	✓	Human values and life lessons are taught through poems, short stories and plays, which should be applied to one's personal and professional life.
American Literature	20PEN1CC4	✓	✓	✓	✓	The texts are based on a number of themes and convey values to the students. The works by female writers offer ideas about gender issues.
Mass Media Studies	20PEN1DE1A	✓		✓		Addresses various global and national issues by exchanging information with integrity by learning the nuances of current trends in communication both written and visual media. Journalistic ethics are also taught to the students.
British Literature -III	20PEN2CC5	✓	✓	✓	✓	Values are taught through the course. Writings by women highlight the perceptions that existed

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						during 18th century England and how they shaped the literature of the time.
British Literature -IV	20PEN2CC6	✓	✓	✓	✓	The evolution of value systems through the impact of historical disasters on morality are highlighted through the course .
History English Language and Structure of Modern English	20PEN2CC7	✓				To make the students understand a) The impact of the historical and sociological factors in the growth of the English language. b) The numerous changes - phonological, morphological, syntactical, semantic, and those in spelling - that have taken place in the language through the ages. c) The various processes in the enrichment of vocabulary. To provide the students with an in-depth knowledge of the phonology of The English language. To give the students an in-depth knowledge of the morphological and syntactical structure of the language.
Advanced Communication Skills	20PEN2DE2A	✓				To make the students understand the advanced skills used in Spoken Communication. To help them understand the importance of overall development of personality.
Postcolonial Literature	20PEN3CC10		✓	✓	✓	The course highlight s the voices of the once marginalized communities, and brings out its different cultures and traditions. The importance of the landscape and the ecology and the gender disparities that dominate are featured.
Voices of Women in Literature	20PEN3CC11		✓	✓	✓	The texts prescribed are written by women and they speak mainly about the problems that the

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						female community faces. The course also closely studies the connection between women and the environment.
Research Techniques and Methodology	20PEN4CC13	✓				To introduce the students to the areas of research and its methodology. To make them understand the different kinds of discourse, the fundamental of research, collection of material style and mechanics of a thesis.
British Literature -I	17PEN1C1	✓	✓	✓	✓	Through the course, values for life are taught to the students. Many of the texts convey the gender dynamics that existed during the period being studied.
British Literature -II	17PEN1C2	✓	✓	✓	✓	Human values and life lessons are taught through poems, short stories and plays, which should be applied to one's personal and professional life.
British Literature -III	17PEN1C3	✓	✓	✓	✓	Values are taught through the course. Writings by women highlight the perceptions that existed during 18th century England and how they shaped the literature of the time.
American Literature	17PEN1C4	✓	✓	✓	✓	The texts are based on a number of themes and convey values to the students. The works by female writers offer ideas about gender issues.
Mass Media Studies	17PEN1CE1	✓		✓		Addresses various global and national issues by exchanging information with integrity by learning the nuances of current trends in communication both written and visual media. Journalistic ethics are also taught to the students.

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
British Literature -IV	17PEN2C5	✓	✓	✓	✓	The evolution of value systems through the impact of historical disasters on morality are highlighted through the course .
Study of English Language and Structure of Modern English	17PEN2C6	✓				To make the students understand a) The impact of the historical and sociological factors in the growth of the English language. b) The numerous changes - phonological, morphological, syntactical, semantic, and those in spelling - that have taken place in the language through the ages. c) The various processes in the enrichment of vocabulary. To provide the students with an in-depth knowledge of the phonology of The English language. To give the students an in-depth knowledge of the morphological and syntactical structure of the language.
Postcolonial Literature	17PEN3C10		✓	✓	✓	The course highlight s the voices of the once marginalized communities, and brings out its different cultures and traditions. The importance of the landscape and the ecology and the gender disparities that dominate are featured.
Voices of Women in Literature	17PEN3C11		✓	✓	✓	The texts prescribed are written by women and they speak mainly about the problems that the female community faces. The course also closely studies the connection between women and the environment.
Research Techniques and Methodology	17PEN4C13	✓				To introduce the students to the areas of research and its methodology. To make them understand the different kinds of discourse, the fundamental

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						of research, collection of material style and mechanics of a thesis.

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1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Name of the Programme: B. Sc. Fashion Technology & Costume Designing

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Fashion Designing	20UFT1CC1	✓				Gaining Knowledge in elements of art and principles of design applied in different area.
Basic Garment Construction – Practical	20UFT1AC2P	✓				Inquire the basic knowledge in components of garment construction.
Textile Science	20UFT2CC3				✓	Eco friendly methods in the manufacture and processing of fibres.
Indian Traditional Costumes and Embroidery	20UFT3CC5	✓		✓		Acquire knowledge about ancient costumes to follow traditional values.
Fabric Structure	20UFT3AC5	✓				Developing fabric design to meet out the new fabric market.
Fashion Clothing Psychology	20UFT4CC8		✓	✓		By understanding fashion terminology, psychology, designers from various region students are stimulated to create their own designs.
Fashion Draping – Practical	20UFT4AC8P	✓				Developing the style knowledge of garments towards different draping skills
Garment Quality and Cost Control	20UFT5DE1A	✓				Ethics in the administration of quality control and specification of apparel industries.
Fashion Portfolio Presentation - Practical	20UFT6CC16P	✓				Motivate and create recent trends in fashion garments.

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
National and International Marketing	20UFT6DE2A	✓				Describe the importance of export and import trade, understand the significance of E-Business.
Textile Science	17UFT1C1				✓	Eco friendly methods in the manufacture and processing of fibres.
Basic Garment Construction – Practical	17UFT1A2P	✓				Inquire the basic knowledge in components of garment construction.
Fashion Designing	17UFT2C3	✓				The students are aware about fashion, trend, style, design. Gain Knowledge in elements of art and principles of design applied in different area.
Fashion Clothing Psychology	17UFT3C6		✓	✓		Understand fashion leaders, innovations, designer to motivate students.
Fashion Draping – Practical	17UFT4C7P	✓				Create a design to develop the draping skill and knowledge to students.
Fabric Structure and Design	17UFT4C8	✓			✓	Understand the structure of the fabric and make a draft for the design.
Garment Quality and Cost Control	17UFT5M1	✓				Ethics in the administration of quality control and specification of apparel industries.
Globalisation and Export Documentation	17UFT6M2	✓				Enumerate the international trade documentation.
Fashion Portfolio Presentation - Practical	17UFT6C16P	✓				Motivate and create recent trends in fashion garments.
Traditional Indian Costumes and Embroidery	17UFT6M3	✓		✓		Acquire knowledge about ancient costumes.

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Name of the Programme: M. Sc. Fashion Technology & Costume Designing

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Quality Standards and Specification	20PFT1CC2	✓				Indicating the quality standards and parameters for textile and apparel industry
Fashion Illustration and Embellishment - Practical	20PFT1CC3P		✓		✓	Stimulating students towards environmental friendly in design process with gender equity
Fashion Marketing and Retailing	20PFT1DE1A	✓		✓		Inducing human values and social responsibilities towards fashion business
Technical Textile	20PFT2CC6				✓	Analysing and understanding the sustainability process in textile and allied industry
Computer Aided Designing - Practical - I	20PFT2CC7P			✓		Preparing the students mind by Developing the design for disabled and pregnancy people along with all traditional design

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Design with Prints – Practical	20PFT2CC8P				✓	Understanding and developing the eco-friendly process in dyeing and printing alternate for traditional methods
Entrepreneurial Development	20PF2DE2A	✓				By learning government support and scheme students enrich themselves as entrepreneur
Textile Testing - Practical	20PFT3CC10P	✓				Developing the skills to provide good quality textile products by following testing procedures
Home Science	20PFT3DE3A	✓		✓		Development of professional ethics with human values through • Food science • Nutrition science • Human development • Family resource management
Advanced Wet Processing	20PFT4CC13				✓	Role of bio processing in textile industry
Advanced Textile Science	17PFT1C1				✓	Eco sustainable methods in the manufacture and processing of fibres.
Advanced Knitting	17PFT1C2	✓			✓	Analysing and understanding the advances elements and principles of knitting technology

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Computer Aided Designing - Practical - I	17PFT2C7P	✓		✓		Preparing the students mind by Developing the design for disabled and pregnancy people along with all traditional design
Quality Standards and Specification	17PFT2C5	✓				Indicating the quality standards and parameters for textile and apparel industry
Fashion Draping and Construction - Practical	17PFT3C11P	✓		✓		Create a design to develop the draping skill and knowledge to students.
Technical Textile	17PFT3C9				✓	Analysing and understanding the sustainability process in textile and allied industry
Fashion Portfolio Presentation – Practical	17PFT4C13P	✓			✓	Understanding the concept and Motivate to create recent trends in fashion garments.
Entrepreneurial Development	17PFT4C14	✓				By learning government support and scheme students enrich themselves as entrepreneur
World Costumes	17PFT4EC2	✓	✓			Analysing and understanding the trend in world level costume
Home Science	17PFT3CE3	✓		✓		Development of professional ethics with human values through • Food science

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						• Human development • Family resource management

Name of the Programme: B. Voc. Apparel & Fashion Design

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Apparel Designing and Clothing Psychology	18BAF1C1	✓	✓	✓		The students are aware about fashion, trend, style, design. Gain Knowledge in elements of art and principles of design applied in different area.
Sewing Techniques - Practical	18BAF1C4P	✓				Inquire the basic knowledge in components of garment construction.
Fiber to Fabric	18BAF2C7				✓	Eco friendly methods in the manufacture and processing of fibres.

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Computer Aided Fashion Designing – Practical	18BAF2C9P		✓			Preparing the students mind by Developing the garment design for men and women.
Fabric Structure and Design	18BAF3C12	✓			✓	Understand the structure of the fabric and make a draft for the design.
Apparel Merchandising and Marketing	18BAF4C20	✓		✓		Inducing human values and social responsibilities towards fashion business
Garment Quality and Cost Control	18BAF5C25	✓				Ethics in the administration of quality control and specification of apparel industries.
Textile Testing - Practical	18BAF5C29P	✓				Developing the skills to provide good quality textile products by following testing procedures
Home Science	18BAF6C34	✓		✓		Development of professional ethics with human values through • Food science and Nutrition science • Human development • Family resource management
Apparel Draping - Practical	18BAF6C35P	✓				Create a design to develop the draping skill and knowledge to students.

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Name of the Department: French

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
General language - FRENCH I	20U1LF1			✓	✓	Comparison of French & Indian cultural differences and professional practices as well ethics is addressed.
General language - FRENCH II	20U2LF2		✓	✓	✓	Dialogues are used to build the communication skills of the students in French in a given environment.
Higher language - FRENCH III	20U3LF3			✓	✓	The course links ethical and moral Values through short stories.

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Higher language - FRENCH IV	20U4LF4		✓	✓		The chapters in book prescribed stressed the need for a lifestyle in a nature-friendly way.
Français de Base Generic Elective - I	20UFR3GE1			✓	✓	The lessons focus on issues pertaining to human values
Française Avance Generic Elective - II	20UFR4GE2			✓	✓	The course builds human values through conversation on life
General language - FRENCH I	17U1LF1		✓	✓		The chapters in book prescribed stresses the need for lifestyle in a nature friendly way.
General language - FRENCH II	17U2LF2		✓	✓		Everyday situations, communications are used to create awareness among the students about environment.
Higher language - FRENCH III	17U3LF3			✓	✓	The course links ethical and moral Values through short stories.
Higher language - FRENCH IV	17U4LF4				✓	Comparison of French & Indian cultural differences and professional practices as well ethics is addressed.

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
FRANÇAIS DE BASE Generic Elective - I	17UFR3N1			✓	✓	The chapters highlight ethics and moral values.
FRANÇAISE AVANCE Generic Elective - II	17UFR4N2			✓	✓	Imparts Knowledge through compassion for fellow humans

Name of the Department: Hindi

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Samanya Hindi	20U1LH1			✓		To provide the knowledge of etymology, syntax, sematic and appropriate usage of Hindi grammar
Functional Hindi and Prose	20U2LH2			✓		To teach the students about social values, India's unity in diversity and Gandhian thoughts
Poetry and History of Hindi Literature	20U3LH3			✓		Progressive ideology in Hindi Literature

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1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
(Veergathakaal and Bhakthikaal)						
Prose Short Story & Grammar-1	17U1LH1			✓		Human Values, patriotism and Language Proficiency
Novel, Drama And Grammar-2	17U2LH2			✓		Modern Life Style & Issues
Poetry and History of Hindi Lit., (Bhakthi Kal Only)	17U3LH3			✓		Art of Poetry Writing & Reading and Importance of History

Name of the Programme: B. Sc. Information Technology

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Programming Foundations	20UIT1CC1	✓				C language as the base for higher level course in programming
Numerical Methods and Statistics	20UIT1AC1	✓			✓	The focus of numerical methods is translating engineering problems into algorithms and implementing them in a spreadsheet or programming language. Topics covered include basic data structures, programming flow control, plotting, function minimization, integration, and differential equations. The statistics portion teaches students basic probability theory, the central limit theorem, hypothesis testing, confidence intervals, regression, model fitting, and basic error analysis
Entrepreneurship Development	20UIT1AC2	✓	✓	✓	✓	Basically, entrepreneurship development is basically the process of improving the skill set as well as the knowledge of the entrepreneurs. This can be done through various methods such as classroom sessions or training programmes specially designed to increase the entrepreneurial acumen.

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Value Education	20UCN1AE1	✓	✓	✓	✓	Values Education is an essential element of whole-person education which aims at fostering students' positive values and attitudes through the learning and teaching of various Key Learning Areas/subjects and the provision of relevant learning experiences.
C++ Programming	20UIT2CC3	✓				C++ is an object-oriented programming language that gives a clear structure to programs and allows code to be reused, lowering development costs. C++ is portable and can be used to develop applications that can be adapted to multiple platforms. C++ is fun and easy to learn
Optimization Techniques	2UIT2AC3	✓			✓	Optimization methods are used in many areas of study to find solutions that maximize or minimize some study parameters, such as minimize costs in the production of a good or service, maximize profits, minimize raw material in the development of a good, or maximize production
Digital Logics	20UIT2AC4	✓			✓	Digital logic is the manipulation of binary values through printed circuit board technology that uses circuits and logic gates to construct the

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1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						implementation of computer operations. Digital logic is a common part of electrical engineering and design courses
Data Structures	20UIT3CC5	✓				A data structure is a specialized format for organizing, processing, retrieving and storing data. There are several basic and advanced types of data structures, all designed to arrange data to suit a specific purpose. Data structures make it easy for users to access and work with the data they need in appropriate ways
Java Programming	20UIT3AC5	✓				Java is a widely used object-oriented programming language and software platform that runs on billions of devices, including notebook computers, mobile devices, gaming consoles, medical devices and many others. The rules and syntax of Java are based on the C and C++ languages

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Fundamentals of IT	20UIT3GE1	✓				IT Fundamentals introduces computer hardware, computer software, databases, networking, security, and software development. This course comprises 15 lessons covering IT fundamentals. Each lesson includes a combination of Wikipedia readings, YouTube videos, and hands-on learning activities
Environmental Studies	20UCN3AE2	✓			✓	Environmental studies is an interdisciplinary academic field that studies human interaction with the environment for solving complex problems
RDBMS	20UIT4CC7	✓				The software used to store, manage, query, and retrieve data stored in a relational database is called a relational database management system (RDBMS). The RDBMS provides an interface between users and applications and the database, as well as administrative functions for managing data storage, access, and performance
Linux Basics	20UIT4AC7	✓				Linux is an open-source operating system (OS). An operating system is the software that directly manages a system's hardware and resources, like CPU, memory, and storage. The OS sits between applications and hardware and makes the connections between all of your software and the physical resources that do the work

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
IT Infrastructure Management	20UIT4GE2	✓				IT infrastructure management includes the management of IT policies and processes, along with the equipment, data, human resources and external contacts, such as vendors or security organizations, needed to ensure that IT operations run smoothly and efficiently
Web Programming	20UIT5CC9	✓				Web programming refers to the writing, markup and coding involved in Web development, which includes Web content, Web client and server scripting and network security. The most common languages used for Web programming are XML, HTML, JavaScript, Perl 5 and PHP
Operating System	20UIT5CC10	✓				An operating system (OS) is the program that, after being initially loaded into the computer by a boot program, manages all of the other application programs in a computer. The application programs make use of the operating system by making requests for services through a defined application program interface (API).
Python Programming	20UIT5CC11	✓				Python is a computer programming language often used to build websites and software, automate tasks, and conduct data analysis. Python is a general-purpose language, meaning it can be used to create a variety of different programs and isn't specialized for any specific problems

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Multimedia	20UIT5CC12	✓				Multimedia is a form of communication that uses a combination of different content forms such as text, audio, images, animations, or video into a single interactive presentation, in contrast to traditional mass media, such as printed material or audio recordings, which features little to no interaction between users
Software Engineering	20UIT5DE1A	✓				What is Software Engineering? Software engineers focus on applying the principles of engineering to software development. Their role includes analyzing and modifying existing software as well as designing, constructing and testing end-user applications that meet user needs — all through software programming languages.
VB .NET	20UIT5DE1B	✓				Visual Basic, originally called Visual Basic . NET (VB.NET), is a multi-paradigm, object-oriented programming language, implemented on . NET, Mono, and the . NET Framework. Microsoft launched VB.NET in 2002 as the successor to its original Visual Basic language, the last version of which was Visual Basic 6.0
Computer Networks	20UIT6CC13	✓				Computer networking refers to interconnected computing devices that can exchange data and share resources with each other. These networked devices use a system of rules, called communications protocols to transmit

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						information over physical or wireless technologies
PHP Programming	20UIT6CC14	✓				PHP is an open-source server-side scripting language that many devs use for web development. It is also a general-purpose language that you can use to make lots of projects, including Graphical User Interfaces (GUIs)
Cyber Forensics	20UIT6CC15	✓			✓	The science of collecting, inspecting, interpreting, reporting, and presenting computer-related electronic evidence is known as cyber forensics. Evidence can be found on the hard drive or in deleted files
Data Mining	20UIT6DE2A	✓				Data mining involves exploring and analyzing large blocks of information to glean meaningful patterns and trends. It can be used in a variety of ways, such as database marketing, credit risk management, fraud detection, spam Email filtering, or even to discern the sentiment or opinion of users
R Programming	20UIT6DE2B	✓				R is a language and environment for statistical computing and graphics. It is a GNU project which is similar to the S language and environment which was developed at Bell Laboratories (formerly AT&T, now Lucent Technologies) by John Chambers and colleagues.

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Programming in C	17UIT1C1	✓				C language as the base for higher level course in programming
Mathematics for IT	17UIT1A1	✓			✓	The study programme is oriented to extension and algorithmic treatment of theoretical knowledge of mathematical branches applied in information technologies. Within the study programme one can focus to cryptology, computer vision and robotics, or image processing and computer graphics.
Entrepreneurship Development	17UIT1A2	✓	✓	✓	✓	Basically, entrepreneurship development is basically the process of improving the skill set as well as the knowledge of the entrepreneurs. This can be done through various methods such as classroom sessions or training programmes specially designed to increase the entrepreneurial acumen.
Value Education	17UCN1VE	✓	✓	✓	✓	Values Education is an essential element of whole-person education which aims at fostering students' positive values and attitudes through the learning and teaching of various Key Learning

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						Areas/subjects and the provision of relevant learning experiences.
Programming in C++	17UIT2C3	✓				C++ is an object-oriented programming language that gives a clear structure to programs and allows code to be reused, lowering development costs. C++ is portable and can be used to develop applications that can be adapted to multiple platforms. C++ is fun and easy to learn
Resource Management Techniques	17UIT2A3	✓				Resource Planning techniques are vital for getting the most out of an organization's workers, materials and budget for the project at hand, but the best project managers know that you can never do enough planning. Resource forecasting is the process of predicting your future resource requirements ahead of time.
Digital Electronics	17UIT2A4	✓				Digital logic is the manipulation of binary values through printed circuit board technology that uses circuits and logic gates to construct the implementation of computer operations. Digital

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						logic is a common part of electrical engineering and design courses
Java Programming	17UIT3C5	✓				Java is a widely used object-oriented programming language and software platform that runs on billions of devices, including notebook computers, mobile devices, gaming consoles, medical devices and many others. The rules and syntax of Java are based on the C and C++ languages
Shell Programming	17UIT3A5	✓				The shell is the operating system's command-line interface (CLI) and interpreter for the set of commands that are used to communicate with the system. A shell script is usually created for command sequences in which a user has a need to use repeatedly in order to save time.
Multimedia Basics	17UIT3N1	✓				Multimedia is a form of communication that uses a combination of different content forms such as text, audio, images, animations, or video into a single interactive presentation, in contrast to traditional mass media, such as printed material

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						or audio recordings, which features little to no interaction between users
Database Management Systems	17UIT4C7	✓				A database management system (DBMS) is system software for creating and managing databases. A DBMS makes it possible for end users to create, protect, read, update and delete data in a database. The most prevalent type of data management platform, the DBMS essentially serves as an interface between databases and users or application programs, ensuring that data is consistently organized and remains easily accessible
Web Design	17UIT4A7	✓				Web design is the creation of websites and pages to reflect a company's brand and information and ensure a user-friendly experience. Appearance and design are incorporated as vital elements whether you're designing a website, or mobile app or maintaining content on a web page.
Information and Communication Technologies	17UIT4N2	✓				Information and communication technologies (ICT) is defined as a diverse set of technological tools and resources used to transmit, store, create, share or exchange information. These technological tools and resources include computers, the Internet (websites, blogs and emails), live broadcasting technologies (radio,

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						television and webcasting), recorded broadcasting technologies (podcasting, audio and video players, and storage devices) and telephony (fixed or mobile, satellite, visio/video-conferencing, etc.)
VB .Net	17UIT5C9	✓				Visual Basic .NET (VB.NET) is a Microsoft object-oriented programming (OOP) language. It evolved from Visual Basic 6 (VB6) to meet an increasing need for easy web-services and web development. VB.Net was designed to take advantage of the .NET framework-based classes and run-time environment. It was re-engineered by Microsoft as part of its .NET product group.VB.NET supports abstraction, inheritance, and polymorphism.
Operating Systems	17UIT5C10	✓				An operating system (OS) is the program that, after being initially loaded into the computer by a boot program, manages all of the other application programs in a computer. The application programs make use of the operating system by making requests for services through a defined application program interface (API).
Data Structures and Algorithms	17UIT5C11	✓				A data structure is a method of organizing data in a virtual system. Think of sequences of numbers, or tables of data: these are both well-defined data structures. An algorithm is a [illegible] ce of steps

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						executed by a computer that takes an input and transforms it into a target output. Together, data structures and algorithms combine and allow programmers to build whatever computer programs they'd like. Deep study into data structures and algorithms ensures well-optimized and efficient code.
PC Hardware and Troubleshooting	17UIT5C12T	✓			✓	Hardware troubleshooting is the process of reviewing, diagnosing and identifying operational or technical problems within a hardware device or equipment. It aims to resolve physical and/or logical problems and issues within a computing hardware. Hardware troubleshooting is done by hardware or technical support technician.
PHP Programming	17UIT5M1A	✓				PHP is an open-source server-side scripting language that many devs use for web development. It is also a general-purpose language that you can use to make lots of projects, including Graphical User Interfaces (GUIs).
Python Programming	17UIT5M1B	✓				Python is a computer programming language often used to build websites and software, automate tasks, and conduct data analysis. Python is a general-purpose language, meaning it can be used to create a variety of different

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						programs and isn't specialized for any specific problems.
Wireless Communication	17UIT6C13	✓			✓	Wireless communication (or just wireless, when the context allows) is the transfer of information between two or more points without the use of an electrical conductor, optical fiber or other continuous guided medium for the transfer. The most common wireless technologies use radio waves. Wireless communication is any transmission that occurs without the use of a cable or wire. In contrast, Wi-Fi is a specific subset of wireless that is defined by a set of technical specifications outlined by IEEE (Institute of Electrical and Electronics Engineers) under the designation 802.11.
Software Engineering	17UIT6C14	✓				What is Software Engineering? Software engineers focus on applying the principles of engineering to software development. Their role includes analysing and modifying existing software as well as designing, constructing and testing end-user applications that meet user needs — all through software programming languages.
Multimedia Systems	17UIT6C15	✓				A multimedia system is responsible for developing a multimedia application. A multimedia application is a [illegible] of different

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						kinds of data. A multimedia computer system is one that can create, integrate, store, retrieve delete two or more types of media materials in digital form, such as audio, image, video, and text information.
Mobile Application Development	17UIT6M2A	✓				Mobile application development is the process of creating software applications that run on a mobile device, and a typical mobile application utilizes a network connection to work with remote computing resources.
Open Source Technologies	17UIT6M2B	✓				Open source technology is a growing trend in GIS, but what is it? Open source software is software in which the source code used to create the program is freely available for the public to view, edit, and redistribute. Any type of software program can be open source, including operating systems (e.g., Linux), databases (e.g., PostgreSQL), applications (e.g., OpenOffice.org), games, and even programming languages (e.g., Python).

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1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Name of the Programme: B. A. History

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
History of India upto 647 A.D.	20UHS1CC1		✓	✓	✓	The course explores the Geographical features of India. The course considers the impotence of ancient river valley civilization. The course analyse the socio-economic and political condition Vedic society. The course provides the information regarding the emergence of Buddhism and Jainism. Emphasis was given to socio-economic and religious conditions during Gupta and Rajput's period. The course is recommended for the Students preparing for competitive exams at national and state level.
History of Tamil Nadu upto 850 A.D.	20UHS1CC2		✓	✓		The course provides an in-depth study of the history of Ancient India. The course explores the social, economic, political and religious condition of Sangam age. Emphasis will be placed on the ancient system of Education, art and Architecture. This course is recommended for the students seeking a broad knowledge on

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1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						Ancient Tamil Nadu and preparing for state level competitive examinations.
Human Rights	20UHS1AC2	✓	✓	✓		The course provides a Historical survey of the evolution of the concept of Human Rights. The course analyse the role of United Nations for the implementation of human rights in the various parts of the world. Emphasis was given to the function of National Human Rights Commission and State Human Rights commission and their impact on Indian Society. Students will gain a deeper sense of Inter-National rules and regulations related to Human Rights.
Indian Geography	20UHS2AC3		✓	✓	✓	The course Offers a Broad over view of Milky wayGalaxy and the features of Planet Earth. This course is an introductory to understand the Geographical features of Indian sub-continent. This course examines the socio-cultural life of the people of India. The course analyse various Multi-purpose projects and the various means of transport and communications.The course is

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						recommended for the Students preparing for competitive exams at national and state level.
Journalism	20UEN4AC8	✓				The course explores the origin and development of Journalism through the ages. The course considers the nature and element of News, Reporting and Editing. Emphasis was given to the organisational structure and Administration of Print and Mass Media. This course is recommended for the students seeking employment in Print and Mass medias.
Basics of Tourism	20UHS3AC5	✓	✓	✓	✓	The course is an introductory to the Tourism Sectors. The course provides information on various sectors of tourism industry such as transport, accommodation, travel agency and hospitality. The course explores the Central and State government policies towards the tourism industry. The course is recommended for the students seeking employment in tourism industry.

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Public Administration	20UHS3AC6	✓	✓	✓		The course explores the evolution of Administration and various theories of Public Administration. The course considers the historic evolution of Indian Administration. This course analyse the function of Union Government, Parliamentary system and local self-government.The course is recommended for the Students preparing for competitive exams at national and state level.
Archaeology	20UHS4AC7	✓	✓	✓	✓	This course explores the countries ancient history The course analyse the material developed by previous human societies, past human culture, identification and excavation of historical sites. Emphasis was given to discover, interpret, and reserve the materials of mankind. This course is recommended for the students who are seeking employment in Archaeological Survey of India.
History of India upto 1206 A.D.	17UHS1C1		✓	✓	✓	The students learn to understand the culture and heritage of Ancient India
History of Tamil Nadu upto 1800 A.D.	17UHS1C2		✓	✓		The Students are sensitized with the role of a leader in bringing Political, social and cultural developments in society

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
An Introduction to Human Rights	17UHS1A2	✓	✓	✓		The course provides a Historical survey of the evolution of the concept of Human Rights.
Modern Governments (Excluding India)	17UHS2A3		✓	✓	✓	The Students are sensitized with the different kinds of administration.
Journalism	17UEN4A8	✓				This course is recommended for the students seeking employment in Print and Mass medias.
Introduction to Tourism	17UHS3A5	✓	✓	✓	✓	The students are able to understand tourism within broader cultural, environmental, political and economic dimensions of society.
Public Administration	17UHS3A6	✓	✓	✓		The course explores the evolution of Administration and various theories of Public Administration.
Archaeology	17UHS4A7	✓	✓	✓	✓	The course is to study past human culture through survey, identification and excavation of historical sites.

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1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Name of the Programme: M. A. History

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
History of India upto 1206 C.E.	20PHS1CC1		✓	✓		The course explores the Geographical features of India. The course considers the impotence of ancient river valley civilization. The course analyse the socio-economic and political condition Vedic society. The course provides the information regarding the emergence of Buddhism and Jainism. Emphasis was given to socio-economic and religious conditions during Gupta and Rajput's period. The course is recommended for the Students preparing for competitive exams at national and state level.
History of Tamil Nadu upto 1336 C.E.	20PHS1CC2		✓	✓		This course provides an in-depth study of Ancient Tamil Nadu. The course explores the social, economic, political and religious condition of Sangam age. Thecourse analyse the socio-economic and religious condition of Tamil Nadu under the Cholas.Emphasis was given to Pallavas, cholas and Pandiyas Art and Architecture. Thiscourse is recommended for the students seeking a broad knowledge on Ancient

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1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						Tamil Nadu and preparing for state level competitive examinations.
Historiography: Concepts and Methods	20PHS3CC9	✓	✓	✓		The course provides an in-depth understanding on historical writings. The course provides a broad understanding on ancient medieval and modern historiography and historiographers. Emphasis was given to research methodology. The course recommended for the student seeking systematic historical research.
Indian Administration	20PHS3CC12	✓				The course explores the evolution of Administration and various theories of Public Administration. The course considers the historic evolution of Indian Administration. This course analyse the Parliamentary system and function of Union and state Government. Emphasis was given to District administration and local self-government. The course is recommended for the Students preparing for competitive exams at national and state level.
India After Independence	20PHS4CC14		✓	✓		The course provides an in-depth study of the history contemporary India. The course explores the important events after Independence and the making of the Indian constitution. Emphasis will be placed on the Prime ministers of India and

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1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						there role in Nation building. The course provides an over view of India's Foreign policy over the period and the development in science and technology. This course is recommended for the students seeking a broad knowledge on contemporary India.
International Relations Since 1945 C.E.	20PHS4CC15		✓	✓		This course deals with the important concept of International Relations. The course explores the alliances of nations one to others, which finally led to the first and second World war. The course provide an in depth knowledge on Cold War period. Emphasis was given to UNO and its role on the maintenance of world peace and Security. This course is recommended for the students seeking a broad knowledge on international affairs.
Cultural History of India upto 1206 C.E.	17PHS1C1		✓	✓		The students learn to understand the culture and heritage of Ancient India.
Social and Cultural History of Tamil Nadu upto 1336 C.E.	17PHS2C6		✓	✓		The Students are learn about the role of a leader in bringing Political, social and cultural developments in society

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Historiography: Concepts and Methods	17PHS4C13	✓	✓	✓		The students learn the importance of objectivity in writing History
Indian Administration	17PHS3C11	✓				This course analyse the Parliamentary system and function of Union and state Government.
India After Independence	17PHS4C14		✓	✓		The students are able to understand about social dimensions of changes, political democracy, and economic transition, development of science and technology and globalization of independent India.
General Knowledge for Competitive for Examinations.	17PHS4CE4A	✓	✓	✓	✓	Students able to face competitive exams like UPSC, IBPS, TNPSC etc.

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1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Name of the Programme: B.Sc. Hotel Management & Catering Science

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Basics of Cookery	20UHM1CC1				✓	The emphasis of a food service education is on learning a set of skills.
Basics of Food Production Practical	20UHM1AC2P				✓	The course focuses The greatest chefs in the world are the first to admit they have more to learn and keep working
Foundation Course in Food & Beverage Service	20UHM1CC2				✓	The course focuses Quality of speech, diplomacy and tact in words and expressions, volume and service standards.
Housekeeping Operations	20UHM2CC3				✓	The course focuses To exhibit good mannerism built good respect for the company and tell the client that the firm upholds ethical business practises.
Principles of Management	20UHM2AC4				✓	The course ethics refers to implementing appropriate business policies and practises with regard to arguably controversial subjects.
Nutrition and Food Science	20UHM4AC8			✓	✓	The course focuses a balanced diet is made up of foods from the 5 major food groups carbohydrates , Fruits and vegetables, Protein, Fats
BAKERY AND CONFECTIONERY	20UHM5CC11				✓	The course emphasises trust worthy, accountable, safe and deliver good customer service to every customer.

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Maintenance Operations of Hotel	20UHM6CC14				✓	The course lays hotels business with integrity honesty with professionalism in order to protect the interest and reputation of the Hotel
Tourism Management	20UHM6CC14			✓	✓	The course emphasises comprehensive set of principles in tourism development central and local Govt. Local communities the tourism industry and its professionals as well as visitors.
Hotel accounts	20UHM6CC15	✓				The course lays ethical principles of integrity, objectivity, professional competencies and due care.
Basic culinary arts	17UHM1C1				✓	The emphasis of a food service education is on learning a set of skills.
Indian cuisine practical	17UHM1C2P				✓	The course focuses The greatest chefs in the world are the first to admit they have more to learn and keep working
Basic food and beverage service	17UHM1A1				✓	The course focuses Quality of speech, diplomacy and tact in words and expressions, volume and service standards.
Basic front office and accommodation operation	17UHM2C3				✓	The course focuses To exhibit good mannerism built good respect for the company and tell the client that the firm upholds ethical business practises.
Nutrition and food science	17UHM2A3			✓	✓	The course focuses a balanced diet is made up of foods from the 5 major food groups carbohydrates, Fruits and vegetables, Protein, Fats

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Hotel law	17UHM2A4			✓	✓	The course focuses on the ethical principles to be followed by Hotel Industry.
Bakery and confectionery	17UHM4A7				✓	The course emphasises trust worthy, accountable, safe and deliver good customer service to every customer.
Hospitality marketing	17UHM5C10				✓	The course emphasises identifying right market and improving sales and Profit.
Event management	17UHM5C11			✓	✓	The course focuses on the attention customer service , Professionalism, engagement being approachable and helpful.
Travel and tourism	17UHM5M1			✓	✓	The course emphasises comprehensive set of principles in tourism development central and local Govt. Local communities the tourism industry and its professionals as well as visitors.
Health and safety for hotel staff	17UHM5EC1			✓	✓	The course focuses formalised safety policies frequent safety training and discussion.
Human resource management	17UHM6M2				✓	The course lays emphasises on standards of ethical and professional behaviour.
Hotel accounts	17UHM6M3				✓	The course lays ethical principles of integrity, objectivity, professional competencies and due care.

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1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Name of the Programme: B. Voc. Tourism & Hospitality Management

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Introduction to Tourism Industry	20BTH1CC1				✓	The course focuses responsible tourism and thinking about consequences and actions as a tourist on the environment local people and local economy.
Fundamentals of Hospitality Operations	20BTH1CC2				✓	The course lays setting and guiding strategy goals and objectives for sustainability of hotel industry.
Basic Front Office Operations	20BTH1CC3				✓	The course focuses To exhibit good mannerism built good respect for the company and tell the client that the firm upholds ethical business practises.
Principles of Management	20BTH2CC6				✓	The course ethics refers to implementing appropriate business policies and practises with regard to arguably controversial subjects.
Housekeeping Operations	20BTH2CC7				✓	The course focuses To exhibit good mannerism built good respect for the company and tell the client that the firm upholds ethical business practises.
Travel Geography	20BTH3CC9				✓	The course lays on travel for pleasure as well as the infrastructure and organizations that make travel possible.

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Basics of Food Production	20BTH3CC10				✓	The emphasis of a food service education is on learning a set of skills.
Food and Beverage Service	20BTH3CC11				✓	The course focuses Quality of speech, diplomacy and tact in words and expressions, volume and service standards.
Tourism Transport Operations	20BTH3CC12				✓	The course emphasises accessibility is the primary functions behind the basics of tourism transport to access the pursued destinations.
Tour Packaging and Itinerary Planning	20BTH3CC13				✓	The course lays with moral principles in place and offer an experience that gives educating tourist on responsible travel.
Tourism Marketing	20BTH4CC15				✓	The course emphasises identifying right market and improving sales and Profit
Tourism Ethics, Laws and Regulations	20BTH4CC17			✓	✓	The course focuses on the ethical principles to be followed by Tourism Industry.
Tourism and Hospitality Entrepreneurship	20BTH4CC18			✓	✓	The course emphasises comprehensive set of principles in tourism development central and local Govt. Local communities the tourism industry and its professionals as well as visitors
Tour Guiding and Escorting	20BTH4CC19				✓	The course lays with moral principles in place and offer an experience that gives educating tourist on responsible travel.
Event Management	20BTH5CC22			✓	✓	The course focuses on the attention customer service , Professionalism, engagement being approachable and helpful.

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Customer Relationship Management	20BTH5CC23			✓	✓	The course focuses on business ethics and customer relations applies to the way that a business conveys its products and deals with customer complaints.
Human Resource Management	20BTH5CC24				✓	The course lays emphasises on standards of ethical and professional behaviour.
Ecotourism	20BTH6CC27			✓	✓	The course emphasises on minimise physical social behavioural and psychological impacts.
Managerial Accounts and Finance in Tourism	20BTH6CC28				✓	The course lays ethical principles of integrity, objectivity, professional competencies and due care.
Organisational Behaviour	20BTH6CC29			✓	✓	The course focuses on guiding principles intended to ensure a business and its employees act with Honesty and integrity in all facets of its day today operations.

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1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Name of the Programme: B. Sc. Mathematics

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Differential Calculus and Trigonometry	20UMA1CC1				✓	Differential calculus is a tool used by biologists to calculate the precise rate of development in a bacterial culture when several factors, such as temperature and food source, are modified. A spacecraft undergoing a gravitational slingshot movement can be visualised using hyperbolic functions.
Mathematical Computations using C++	20UMA2CC3P				✓	Applications for C++ programming can be found in MATLAB, mathematica, and the creation of a wide range of graphics and gaming applications.
ODE & Laplace Transforms	20UMA3CC6				✓	The analysis of rocket launch trajectory and the earth's seismic wave propagation both use ordinary differential equations.
Numerical Methods	20UMA5CC12				✓	In order to resolve problems relating to environmental protection and safety engineering analyses, numerical approaches are essential.

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Mathematical Statistics I Mathematical Statistics II Mathematical Statistics III	20UMA3AC5 20UMA3AC6 20UMA4AC7	✓			✓	In order to avoid misleading clients, students learn that it is their professional responsibility to act fairly when deriving conclusions from quantitative data. They must use professional judgement and make ethical decisions. The principles of statistics are used to construct weather forecast models.
Mechanics	20UMA5CC9				✓	By creating technology to employ low-carbon types of energy, recycling waste materials and energy, and other methods, mechanics tries to lessen its negative effects on the environment.
Real Analysis	20UMA5CC10				✓	Cauchy sequences, which are covered in the course, are employed in industries including manufacturing, construction, and water treatment facilities.
Graph Theory	20UMA5DE1A				✓	The shortest route in a network or on a road is determined using graph theory.
Z and Fourier Transform	20UMA6DE3B				✓	The Fourier Transform is a crucial tool for image analysis, image compression, picture reconstruction, and image filtering.
Operations Research	20UMA6CC16				✓	All types of projects, including those in the construction, aerospace and defence, software development, research projects, product

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						development, engineering, and plant maintenance, frequently employ CPM.
Differential Calculus and Trigonometry	17UMA1C1				✓	Differential calculus is a tool used by biologists to calculate the precise rate of development in a bacterial culture when several factors, such as temperature and food source, are modified. A spacecraft undergoing a gravitational slingshot movement can be visualised using hyperbolic functions.
C Programming (Theory and Practical)	17UMA6M2AT, 17UMA6M2AP				✓	Applications for C programming can be found in MATLAB, mathematica, and the creation of a wide range of graphics and gaming applications.
Integral Calculus	17UMA2C3				✓	Integral Calculus is used in Electrical Engineering to calculate the precise length of power lines required to connect two substations that are miles apart from one another.
Ordinary and Partial Differential Equations	17UMA3C5				✓	The analysis of rocket launch trajectory and the earth's seismic wave propagation both use ordinary differential equations.
Numerical Methods	17UMA5C12				✓	In order to resolve problems relating to environmental protection and safety

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						engineering analyses, numerical approaches are essential.
Vector Calculus	17UMA3C6				✓	The work done by a force on a moving object in a vector field can be calculated with the use of the course's line integral concept.
Mathematical Statistics I Mathematical Statistics II Mathematical Statistics III Mathematical Statistics IV	17UMA3A5:1 17UMA3A6:1 17UMA4A7:1 17UMA4A8:1	✓			✓	In order to avoid misleading clients, students learn that it is their professional responsibility to act fairly when deriving conclusions from quantitative data. They must use professional judgement and make ethical decisions. The principles of statistics are used to construct weather forecast models.
Mechanics	17UMA5C9				✓	By creating technology to employ low-carbon types of energy, recycling waste materials and energy, and other methods, mechanics tries to lessen its negative effects on the environment.
Real Analysis	17UMA5C10				✓	Cauchy sequences, which are covered in the course, are employed in industries including manufacturing, construction, and water treatment facilities.
Discrete Mathematics	17UMA6C15				✓	To develop every analysis of flying accidents, boolean algebra was applied. It is possible to

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						identify failure reasons, such as environmental issues, equipment problems, and human factors, to logical tools.
Graph Theory	17UMA6C16				✓	The shortest route in a network or on a road is determined using graph theory.
Z and Fourier Transform	17UMA6M3B				✓	The Fourier Transform is a crucial tool for image analysis, image compression, picture reconstruction, and image filtering.
Operations Research	17UMA5M1A				✓	All types of projects, including those in the construction, aerospace and defence, software development, research projects, product development, engineering, and plant maintenance, frequently employ CPM.

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1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Name of the Programme: M. Sc. Mathematics

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Advanced Graph Theory	20PMA3CC12	✓			✓	Graph matching is widely used in flow of networks, scheduling and planning, modeling bonds in chemistry, graph coloring, the stable marriage problem, and neural networks in artificial intelligence.
Python Programming – (Theory and Practical)	20PMA3DE3AT & 20PMA3DE3AP	✓				Students can write their own codes for data analytics to help business to take decisions.
Advanced Operations Research	20PMA4DE4A	✓				Inventory control model can help to maximize the total profit by developing an economic order quantity model by considering with and without shortages.
Advanced Graph Theory	17PMA3C12	✓			✓	Graph matching is widely used in flow of networks, scheduling and planning, modeling bonds in chemistry, graph coloring, the stable marriage problem, and neural networks in artificial intelligence.
C++ Programming– (Theory and Practical)	17PMA1CE1AT & 17PMA1CE1AP				✓	Applications for C++ programming can be found in MATLAB, mathematica, and the creation of a wide range of graphics and gaming applications.
Advanced Operations Research	17PMA4C14	✓				Inventory control model can help to maximize the total profit by developing an economic order quantity model by considering with and without shortages.

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Name of the Programme: M. B. A

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Quantitative Methods for Managers	20MBA1CC1			✓	✓	It inculcates the required knowledge and skills for the manager in methematical and stastical area and helps to implement the same in business
Economics for Decision Making	20MBA1CC2	✓	✓	✓	✓	The purpose of this course is to provide the modern individual living in a global economy fueled by unabated technological progress
Corporate Communication ***	20MBA1CC3	✓			✓	Covers the concepts of communication, Listening Skills, barriers in communication & overcoming
Accounting for Managers	20MBA1CC4			✓	✓	This course priovide comprehensive understanding of three major categories of Financial, Cost and Mangement Accounting with relevent theories and problems.
Organizational Behaviour	20MBA1CC5	✓		✓	✓	Covers the perspectives of organizational behavior, learning, personality, attitude , perception and behavioural models
Information Systems for Business	20MBA1CC6					This course discusses key issues pertaining to Information systems in the managerial context. Focus is on the functional applications of Information systems and IS practices in organizations.

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Operations Research	20MBA2CC7			✓	✓	This course contain analytical methods of problem-solving and decision-making that is useful in the management of organizations.
Operations Management	20MBA2CC8				✓	Covers the concepts and techniques of Operations Management
Financial Management	20MBA2CC9			✓	✓	This course covers the traditional basic financial management topics inorder to equip with cost of capital , capital structure and dividend distribution with relvent theories.
Marketing Management	20MBA2CC10	✓	✓	✓	✓	Marketing management course enables a student to understand the fundamentals of marketing concept and the role marketing plays in business. This course enables a student to understand the 'Marketing mix' elements and the strategies and principles underlying the modern marketing practices.
Human Resource Management	20MBA2CC11			✓	✓	Enable the budding managers to acquaint with a complete- comprehensive review of essential concepts and techniques of Human Resource management
Advanced MS Excel for Managers***	20MBA2CC12				✓	This course aims to Familiarize Students with Basic to Intermediate Skills for Using Excel in Business Applications and also to facilitate students to Gain Proficiency in MS Excel Utilities and in Creating Solutions for Data Management and Reporting.

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Business Analytics	20MBA2CC13				✓	Make the students to understand how analytics is important in today's business environment and how it would be beneficial
Research Methods in Management	20MBA3CC14				✓	This course Gain familiarity with a phenomenon to achieve insights by identifying right research problem, process and kinds of research ethically and solutions to meet the future needs, culture values and challenges.
Career Development***	20MBA3CC15		✓	✓	✓	Career development training classes build upon employees' existing knowledge and abilities and introduce new skills that will enrich their work experience. Topics covered in a career development training program might include: Communication. Management. Negotiation
Entrepreneurial Development	20MBA3CC16			✓	✓	Inculcate ability to recognize distinct entrepreneurial traits to become successful entrepreneur the economic growth. Develop ability to grow the enterprise with learning and development strategies for adapting changes happening in the entrepreneurial environment. Identify parameters to assess opportunities and constraints for new business ideas to gain international Business opportunities. Analyze the systematic process to select, screen a business idea to design strategies for successful implementation of ideas. Enhance ability to grow the business concern through availing

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		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						incentives, subsidies, schemes, Fiscal and Tax concessions offered by the central and state government.
Consumer Behavior	20MBA3DEA1	✓	✓		✓	This course focuses on understanding and predicting consumer behavior by integrating theories from psychology, sociology, anthropology and economics
Advertising and Sales Promotion	20MBA3DEA2					This course teaches you the basics of advertising and sales promotion and how to analyze advertisements to determine their message, appeals, and other characteristics. By the end, you should have a better understanding of marketing communications, advertising, and branding, their value, and different ways companies can use them to promote their offerings to consumers. You will learn about branding, advertising strategies, sales promotions, ethics, brand management, advertisement analysis, consumer behavior, marketing communications, and much more. I provide many real-world examples of advertisements to apply your knowledge of the content, as well as to analyze using the strategies outlined in this course.
Sales Management	20MBA3DEA3	✓	✓	✓	✓	Achieve higher sales performance with GrowthAspire sales training and coaching programs. Boost Confidence, Sales team

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1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

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		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						potential unlocked with Growth Aspire's proven programs.
Brand Management	20MBA3DEA4			✓	✓	Brand Management course will enable student to have a fundamental understanding of how to build, measure, and manage a brand. To expose the students to the concepts, principles, techniques and application of contemporary branding. To help the students to build, measure and manage brand-equity.
Digital Marketing	20MBA3DEA5			✓	✓	Students in this course will explore the development, production and implementation of digital-marketing delivery methods including, but not limited to, email marketing, web-based marketing, search-engine optimization (SEO), online advertising, and social media.
Security Analysis and Portfolio Management	20MBA3DEB1			✓	✓	This course explain the features of various securities and issue procedures. It helps to get the knowledge of fundamental and technical analysis. Covers the topics related to construction and management of portfolio.
Financial Derivatives	20MBA3DEB2			✓	✓	This course helps to understand the concepts and trading methods of financial derivaties namely options, swaps and futuers.
Strategic Financial Management	20MBA3DEB3			✓	✓	This course is an advanced level of traditional financial management it covers the strategic decision making techniques in the business

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		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						valuation and its application in merger and amalgamation.
Risk Management	20MBA3DEB4		✓	✓	✓	Risk management courses strengthen management skills and help to chart ideas to lift the economy.This helps to get jobs in the corporate sector, real estate, investment, banking and all other industrial segment
Financial Institutions and Markets	20MBA3DEB5		✓	✓	✓	This course aims to provid a conceptual framework about financial markets and institutions and helps to understand why markets exist and what their role is in the financial environment.
Strategic Human Resource Management	20MBA3DEC1			✓	✓	Enable the students to develop knowledge of the skills required by organizational leaders for successfully managing human and knowledge capital.
Talent Management	20MBA3DEC2			✓		Help the students to develop knowledge on key processes of Talent Management Building blocks, Planning and Succession, Talent Acquisition and Talent Engagement.
Change Management	20MBA3DEC3			✓	✓	Help the students to define sequential process, role and dynamics to organizational change.
Training and Development	20MBA3DEC4			✓	✓	Enable the students to develop basic skills for designing, conducting, implementing and evaluating training programs. Enhance the students to know about methods of training.

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		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Industrial Relations and Labour Legislations	20MBA3DEC5		✓		✓	Help the students to impact on knowledge on industrial relation, Grievance redressal, Collective Bargaining and Standing order, contractor Labour Legislation, Payment of Wages Act, Industrial Disputes Act, Employee Provident Fund Act and Factories Act.
Knowledge Management System	20MBA3DED1				✓	The course aims to give students a basic understanding on planning, designing and Implementing Knowledge management.
IT Strategy for Business	20MBA3DED2				✓	This course aims to provide the students with different aspects of IT and business strategies and their cross linking through their various strategic initiatives in different sectors.
Modern Database Management System	20MBA3DED3				✓	The course is aimed at providing skills on developing and implementing applications in ORACLE.
Information Technology Management	20MBA3DED4				✓	This course aims to provide a through update of Information Technology Used in Business Organization and also to Develop Understanding of Managerial Aspects so as to use Information Technology
Data Mining	20MBA3DED5				✓	This course aims to enable students to derive meaning and deep insights form huge volume of data and information and also to make them understand how knowledge discovering process is used in business decision making

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Inventory Management	20MBA3DEE1				✓	This course helps to Understand on the basic concepts of Inventory,Get ideas on inventory and delivery, Gain a deep insight on Product Forecasting.
Strategic Logistics Management	20MBA3DEE2		✓		✓	This course makes the students to understand the scope, functions and objectives of logistics to solve managerial issues.
Material Flow Management	20MBA3DEE3				✓	This Course makes the students to understand flow of materials in a supply chain practice, Apprehend the role of transportation and warehouse management, understand the essentials of packaging and Materials handling from Logistics point of view.
Essentials of Supply Chain Management	20MBA3DEE4				✓	This course is to recognize the process of supply chain and apply it in real business situation, Display specialised technical, analytical and creative skills which are fundamental to Problem solving and decision making,Identify the fundamental theories and concepts and methods that inform supply chain management within a variety of organisational settings and in a variety of disciplines,Apply Supply Chain Drivers to Improve the Performance of Supply Chain
Vendor Management	20MBA3DEE5				✓	This course is to Understand the purchasing process - policy and procedures and to Know the importance of E-sourcing and sourcing management.

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Innovation and Startup	20MBA3DEF1		✓		✓	Analyze and innovate new products with present market scenario through business model innovation.Experiment service innovations by sector and frame strategies in Ability to ideate, Assess, Validate and execute the ideas for Successful start up.Identify the innovative culture to get success in the experimentation processes respect to the Make changes by assessing the performance of the startup.Environment.
Project management	20MBA3DEF2				✓	Understand the concepts of Project Life Cycle and its phases. To identify alternative solutions for project planning. Apply techniques to identifying project risks. To Construct the project network. To develop various project Models.
Entrepreneurial Finance	20MBA3DEF3				✓	Explain the concepts of entrepreneurial finance and its difference to traditional corporate finance. Analyze the sources of Finance. Synthesize the risks involved with capital research and valuation. Assess the necessary steps for measuring new business venture performance. Evaluate the key concepts involved with the planning.
Information Technology and E-Commerce	20MBA3DEF4		✓		✓	Study about information Technology concepts and features. Gain practical knowledge exposure to Windows XP Provide practical knowledge exposure MS-Excel Understand

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		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						the categories of E-Commerce and understand the different applications of E-Commerce. Identify security issues of E-Commerce
Business plans	20MBA3DEF5				✓	,Develop, Analyze And Apply Advanced Strategies And Specifications For The Business Plan Process, Determining The Strategies To Formulate Components Of Business Plan,Enabling To Understand The Emerging Ethical Issues And Corporate Governance Able To Evaluate The Industry Potential And Market Situation
International Business Management	20MBA4CC17		✓		✓	Understand concepts in international business with respect to foreign Trade/international business. Acquire knowledge about various theories of international business. Understand world financial environment .Gain knowledge of structure and functions of TRIPS, TRIMS, WTO. Study the various international business strategies production strategy international human resources strategy and international marketing strategy etc.
Strategic Management	20MBA4CC18				✓	Understand the strategic decisions that organizations make and have an ability to engage in Strategic planning. Explain the basic concepts, principles and practices associated with strategy formulation and implementation. Integrate and apply knowledge gained in basic courses to the formulation and implementation

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		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						of strategy from holistic and multi-functional perspectives. Analyze and evaluate critically real life company situations and develop creative solutions, using a strategic management perspective. Scrutinize various types of measures and controls to measure organizational performance.
Retail Management	20MBA4DEA1		✓	✓	✓	This course intends to provide the students with an overview of the retail industry, concepts and processes and an opportunity to understand the areas of accountability for a Retail Manager.
International Marketing	20MBA4DEA2		✓	✓	✓	International Marketing is a course designed to introduce you to the marketing practices of companies seeking market opportunities outside their home ...
Customer Relationship Management	20MBA4DEA3	✓		✓	✓	The customer relationship management course (CRM) examines the relationship and applies it in marketing, sales and advertising areas. CRM software is used throughout the study period.
Services Marketing	20MBA4DEA4		✓	✓	✓	services marketing is also an ongoing analytic process. In this course, you will learn how to properly analyze frameworks, tools, channels, data sets, customer behavioral data, decision-making factors, and strategies that support broader marketing decisions
Marketing Research	20MBA4DEA5		✓	✓	✓	fundamental concepts and techniques used in marketing research. It provides tools. Problem formulation, resear[illegible]n, primary

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		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						data collection, types of information and measurement scales, and evaluation and utilization of secondary data will be discussed.
Financial Modelling using Excel	20MBA4DEB1				✓	This paper aims to systematic creation of a logical structure, to process and analyze a data set, so as to arrive at conclusive financial decisions using MS-EXCEL.
Banking and Insurance	20MBA4DEB2			✓	✓	This course aims to provide a comprehensive introduction to the theoretical and applied issues relating to the Indian banking and insurance industry. It brings out the products, the issues of concern and the factors.
International Finance	20MBA4DEB3			✓	✓	This course broadly concerned with monetary and macroeconomic interrelations between two or more countries.
Financial Services	20MBA4DEB4			✓	✓	This course covers products and services offered by financial institutions for the facilitation of various financial transactions and other related activities
Tax Management	20MBA4DEB5	✓		✓	✓	This course impart conceptual understanding to the students of the provisions of the Tax covered in the Syllabus and also helps in tax planning area.

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HR Analytics	20MBA4DEC1				✓	It helps the student to focus on building analytical acumen and taking a strategic view of talent analytics. Using a framework presented in this course, students will examine outcomes and drivers throughout an organization to assess strategic needs.
International Human Resource Management	20MBA4DEC2			✓		It Aims the students to develop a critical understanding of the role and functions of the various human resource activities within multinational corporations (MNC). It provides an overview of the impact of globalisation and varieties of capitalism in shaping international human resource management practices in MNCs.
Performance Management	20MBA4DEC3			✓	✓	This helps the student to identify the knowledge and skills needed for effective management of individual and team performance and examines the design of performance management systems that aim to transform organisational objectives into performance outcomes.
Managerial Behaviour and Effectiveness	20MBA4DEC4			✓		This enables the student to integrate the study of management principles and practices with the study of human behavior within organizations. The focus will be upon translation of management and organizational behavior theory to practice that result in

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		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						organizational effectiveness, efficiency, and human resource development.
Human Resource Development	20MBA4DEC5			✓	✓	Human Resource Development equip students to develop themselves into a critically reflective and capable HRD practitioner, or a manager who can facilitate the learning of others.
Software Project Management	20MBA4DED1				✓	The course objective is to introduce students to the basic concepts and techniques of Software Engineering and Project Management, with a focus on applications to business organizations and their software development efforts. Be familiar with the different methods and techniques used for project management.
Cyber Security	20MBA4DED2				✓	This course is aimed to develop an Understanding on the Legal Provisions of Information Technology Act, 2000 and the Case Law and Practical Ramifications of the Act
Enterprise-Wide Information System	20MBA4DED3				✓	This course discusses key issues pertaining to Information systems in the managerial context. Focus is on the functional applications of Information systems and IS practices in organizations.
Decision Support System	20MBA4DED4				✓	The course aims to provide the fundamental terms, concepts and theories associated with Decision Support Systems (computerized

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		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						decision aids, expert systems, group support systems and Executive Information Systems.
E-Business	20MBA4DED5				✓	This course aims to provide the basic concepts of e-commerce and also enable them to understand the requirements and applications of e-commerce.
Six sigma	20MBA4DEE1				✓	This course enable the student to identify the characteristics of an organization's business processes and Identify the process or product customers impacted by the problem
Supply Chain Planning	20MBA4DEE2			✓	✓	The course enables the students to acquire knowledge on Supply chain forecasting, to Implement the Supply chain based on the demand.
Supply Chain Coordination	20MBA4DEE3				✓	This course makes the students to understand the fundamentals of supply chain coordination and to Know the challenges, different approaches for coordination systems and strategies in supply chain coordination.
Modeling for Supply Chains	20MBA4DEE4		✓		✓	The course makes the students to understand the concepts of modelling and analytics for supply chain management in MS Excel and to analyze the complexities associated in supply chain with linear programming models, transportation models and network strategies.
Theory of Constraints	20MBA4DEE5					This course enables the students to familiarise the fundamentals of [illegible] process analyses with a view to imp[illegible]ing productivity

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		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						and performance towards fulfilling the overall business goals..
Diversity Management	20MBA4DEF1		✓		✓	.Analyze Change in Global Scenario and Summarize the Causes, Context of Emerging Changes in the Management. Managing Competition And Legal Acts in India.Articulate Both The Advantages And The Challenges Of Diversity.Understand Diversity in the Organization and Implement Diversity Strategies to Develop Smooth Working Environment in Global Companies .
Business Opportunity Recognition and Forecasting	20MBA4DEF2				✓	Inculcate skills to evaluate and source the right business opportunity for excelling with creativity. Eliminate the risks involved due to industry setup & competitors and overcoming the risks with business concept. Identify the marketing strategy for adapting in relation with the external environment. Build scenario planning in the organization through developing scenario matrix. Foresight while recognizing the opportunity through assessment and gives feed back for the business processes.
Creative problem solving	20MBA4DEF3			✓	✓	Make the students to understand the role of creativity and innovation. Be familiar with processes and methods of creative problem solving: Observation, definition, representation, ideation, evaluation and decision making.

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		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						Recognize and overcome barriers to using creative problem solving in management practices and decisions. Develop solutions to workplace problems through applying appropriate problem Incorporate whole brain thinking strategies into personal approach to solving problems in the workplace. Develop solutions to workplace problems through applying appropriate problem solving techniques. Demonstrate knowledge of Organizational Creativity & Innovation Creativity.
Small Business Management	20MBA4DEF4		✓		✓	Familiarize the students with the concept of small business. In depth knowledge on small business opportunities and challenges. Ability to devise plans for small business by building the right skills and marketing Strategies. Identify the funding source for small start ups.Business evaluation for buying and selling of small firms
Sustainable Enterprise	20MBA4DEF5		✓		✓	Innovate Sustainable products and services for having social return for the enterprise. Apply Sustainable Business Strategies in the business and makes journey towards Sustainable Development Goals. Practice Different Approaches for making the Successful sustainable enterprise. Utilize the Concepts of Green Business for adapting Sustainable

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		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						business environment. Manage Green Business and Provide Job Opportunities on green enterprise and contribute economic growth
Management Concepts	17MBA1C1			✓	✓	This course enables the students to acquaint with the management concepts
Quantitative Methods for Managers	17MBA1C2			✓	✓	It inculcates the required knowledge and skills for the manager in mathematical and statical area and helps to implement the same in business
Economics for Decision Making	17MBA1C3	✓	✓	✓	✓	The purpose of this course is to provide the modern individual living in a global economy fueled by unabated technological progress
Managerial Communication	17MBA1C4	✓			✓	Covers the concepts of communication, Listening Skills, barriers in communication & overcoming
Accounting for Managers	17MBA1C5			✓	✓	This course provide comprehensive understanding of three major categories of Financial, Cost and Management Accounting with relevant theories and problems.
Organizational Behaviour	17MBA1C6	✓		✓	✓	Covers the perspectives of organizational behaviour, learning, personality, attitude , perception and behavioural models
Information Systems for Business	17MBA1C7				✓	This course discusses key issues pertaining to Information systems in the managerial context. Focus is on the functional applications of Information systems and its practices in organizations

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Operations Management	17MBA2C9				✓	Covers the concepts and techniques of Operations Management
Financial Management	17MBA2C10			✓	✓	This course covers the traditional basic financial management topics in order to equip with cost of capital , capital structure and dividend distribution with relevant theories.
Marketing Management	17MBA2C11	✓	✓	✓	✓	Marketing management course enables a student to understand the fundamentals of marketing concept and the role marketing plays in business. This course enables a student to understand the 'Marketing mix' elements and the strategies and principles underlying the modern marketing practices.
Human Resource Management	17MBA2C12			✓	✓	Enable the budding managers to acquaint with a complete- comprehensive review of essential concepts and techniques of Human Resource management
Enterprise Resource Planning	17MBA2C13			✓	✓	To comprehend the technical aspects of ERP systems, To understand concepts of reengineering and its role in ERP system implementations, To map business processes using process mapping techniques, To understand the steps and activities in the ERP life cycle and To identify and describe typical functionality in an ERP system
Research Methods in Management	17MBA2C14				✓	This course Gain familiarity with a phenomenon through observation, Identifying right research problem, process and kinds of

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		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						research ethically and solutions to meet the future needs, culture values and challenges.
Operations Research	17MBA3C15			✓	✓	This course contain analytical methods of problem-solving and decision-making that is useful in the management of organizations.
Career Development***	17MBA3C16		✓	✓	✓	Career development training classes build upon employees' existing knowledge and abilities and introduce new skills that will enrich their work experience. Topics covered in a career development training program might include: Communication. Management. Negotiation
Consumer Behavior	17MBA3CEM1	✓	✓	✓	✓	This course provides students the skills necessary to understand consumer behaviour and how it impacts businesses and marketing strategy. The course examines the importance of consumer behaviour in a behaviour science perspective, which focuses on research to explain, describe, predict, and control consumer behaviour
Advertising and Sales Promotion	17MBA3CEM2		✓	✓	✓	This course teaches you the basics of advertising and sales promotion and how to analyze advertisements to determine their message, appeals, and other characteristics. By the end, you should have a better understanding of marketing communications, advertising, and branding, their value, and different ways companies can use them to promote their

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						offerings to consumers. You will learn about branding, advertising strategies, sales promotions, ethics, brand management, advertisement analysis, consumer behavior, marketing communications, and much more. I provide many real-world examples of advertisements to apply your knowledge of the content, as well as to analyze using the strategies outlined in this course.
Sales Management	17MBA3CEM3	✓	✓	✓	✓	Achieve higher sales performance with Growth Aspire sales training and coaching programs. Boost Confidence, Sales team potential unlocked with Growth Aspire's proven programs.
Brand Management	17MBA3CEM4			✓	✓	Brand Management course will enable student to have a fundamental understanding of how to build, measure, and manage a brand. To expose the students to the concepts, principles, techniques and application of contemporary branding. To help the students to build, measure and manage brand-equity.
Rural Marketing	17MBA3CEM5	✓	✓	✓	✓	process of developing, pricing, promoting, distributing, rural specific goods & services leading to exchange between urban and rural markets, which satisfies consumer demand and also achieves organizational objectives.
Security Analysis and Portfolio Management	17MBA3CEF1			✓	✓	This course explains the features of various securities and issue procedures. It helps to get

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						the knowledge of fundamental and technical analysis. Covers the topics related to construction and management of portfolio.
Financial Derivatives	17MBA3CEF2			✓	✓	This course helps to understand the concepts and trading methods of financial derivatives namely options, swaps and futures.
Strategic Financial Management	17MBA3CEF3			✓	✓	This course is an advanced level of traditional financial management it covers the strategic decision making techniques for business valuation and its application in merger and amalgamation.
Risk Management	17MBA3CEF4		✓	✓	✓	Risk management courses strengthen management skills and help to chart ideas to lift the economy. This helps to get jobs in the corporate sector, real estate, investment, banking and all other industrial segment
Financial Institutions and Markets	17MBA3CEF5		✓	✓	✓	This course aims to provide a conceptual framework about financial markets and institutions and helps to understand why markets exist and what their role is in the financial environment.
Strategic Human Resource Management	17MBA3CEH1			✓	✓	Enable the students to develop knowledge of the skills required by organizational leaders for successfully managing human and knowledge capital.
Talent Management	17MBA3CEH2			✓		Help the students to develop knowledge on key processes of Talent Management Building

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						blocks, Planning and Succession, Talent Acquisition and Talent Engagement.
Change Management	17MBA3CEH3			✓	✓	Help the students to define sequential process, role and dynamics to organizational change.
Training and Develpoment	17MBA3CEH4			✓	✓	Enable the students to develop basic skills for designing, conducting, implementing and evaluating training programs. Enhance the students to know about methods of training.
Industrial Relations and Labour Legislations	17MBA3CEH5		✓		✓	Help the students to impact on knowledge on industrial relation, Grievance redressal, Collective Bargaining and Standing order, contractor Labour Legislation, Payment of Wages Act, Industrial Disputes Act, Employee Provident Fund Act and Factories Act.
Knowledge Management	17MBA3CES1				✓	The course aims to give students a basic understanding on planning, designing and Implementing Knowledge management.
IT Strategy for Business	17MBA3CES2				✓	This course aims to provide the students with different aspects of IT and business strategies and their cross linking through their various strategic initiatives in different sectors.
RDBMS with Oracle	17MBA3CES3				✓	The course is aimed at providing skills on developing and implementing applications in ORACLE.

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Information Technology Management	17MBA3CES4				✓	This course aims to provide a through update of Information Technology Used in Business Organization and also to Develop Understanding of Managerial Aspects so as to use Information Technology
Data Mining	17MBA3CES5				✓	This course aims to enable students to derive meaning and deep insights form huge volume of data and information and also to make them understand how knowledge discovering process is used in business decision making
Inventory Management	17MBA3CESCM1		✓		✓	This course helps to Understand on the basic concepts of Inventory, Get ideas on inventory and delivery, Gain a deep insight on Product Forecasting.
Strategic Logistics Management	17MBA3CESCM2				✓	This course makes the students to understand the scope, functions and objectives of logistics to solve managerial issues.
Material Flow Management	17MBA3CESCM3				✓	This Course makes the students to understand flow of materials in a supply chain practice, Apprehend the role of transportation and warehouse management, understand the essentials of packaging and Materials handling from Logistics point of view.
Essentials of Supply Chain Management	17MBA3CESCM4				✓	This course is to recognize the process of supply chain and apply it in real business situation, Display specialised technical, analytical and creative skills which are fundamental to Problem solving and decision

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						making, Identify the fundamental theories and concepts and methods that inform supply chain management within a variety of organisational settings and in a variety of disciplines, Apply Supply Chain Drivers to Improve the Performance of Supply Chain
Vendor Management	17MBA3CESCM5				✓	This course is to Understand the purchasing process - policy and procedures and to Know the role and function of purchasing and sourcing management.
Entrepreneurship development	17MBA3CEED1			✓	✓	Students are able to know the traits needed for entrepreneurship, evolution of entrepreneur, various steps for starting a small industry, intricacies of managing new ventures and part played by the government for entrepreneurship development.
Project management	17MBA3CEED2				✓	Students are able to enlighten the role of project manager and also a part of project teams, aware of the internal dimension of project planning, project financing. Hindrances of project implementation and various dimensions of project feasibility study
Entrepreneurial Finance	17MBA3CEED3				✓	students are able to understand how finance is to be handled without risk, sources of funds in various financial institutions and prepare for an effective financial planning.

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Information Technology and E-Commerce	17MBA3CEED4				✓	The students are able to acquaint the use of information technology windows XP, MS – Word, work–sheet, MS-Excel electronic payment system and security in the cyber space.
Business plans	17MBA3CEED5			✓	✓	The students are able to know business plan, business plan process, components of business plan, emerging ethical issues and corporate governance
International Business Management	17MBA4C17		✓		✓	To understand the fundamentals of international business. To know about the international financial environment and economic institutions. To expose to strategies for global operations and emerging trends in the international business
Strategic Management	17MBA4C18				✓	Formulate organizational vision, mission, goal and values. Analyze, development and establish organizational priorities. Develop strategies and action plan to achieve an organization and action plans to achieve an organization's vision, mission and goals. Specify current and desired strategic positioning in order to market demands.• Evaluate and revise strategic management process in order to achieve organizational goals.
Retail Management	17MBA4CEM6		✓	✓	✓	This course intends to provide students with an overview of the retail industry, concepts and

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						processes and an opportunity to understand the areas of accountability for a Retail Manager.
International Marketing	17MBA4CEM7		✓	✓	✓	International Marketing is a course designed to introduce you to the marketing practices of companies seeking market opportunities outside their home ...
Customer Relationship Management	17MBA4CEM8	✓		✓	✓	The customer relationship management course (CRM) examines the relationship and applies it in marketing, sales and advertising areas. CRM software is used throughout the study period.
Services Marketing	17MBA4CEM9		✓	✓	✓	services marketing is also an ongoing analytic process. In this course, you will learn how to properly analyze frameworks, tools, channels, data sets, customer behavioral data, decision-making factors, and strategies that support broader marketing decisions
Marketing Research	17MBA4CEM10		✓	✓	✓	fundamental concepts and techniques used in marketing research as decision-making tools. Problem formulation, research design, primary data collection, types of information and measurement scales, and evaluation and utilization of secondary data will be discussed.
Financial Modelling using Excel	17MBA4CEF6				✓	This paper aims to systematic creation of a logical structure, to process and analyze a data set, so as to arrive at conclusive financial decisions using MS-EXCEL.
Banking and Insurance	17MBA4CEF7			✓	✓	This course gives a comprehensive introduction to the theoretical and applied

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		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						issues relating to the Indian banking and insurance industry. It brings out the products, the issues of concern and the factors.
International Finance	17MBA4CEF8			✓	✓	This course broadly concerned with monetary and macroeconomic interrelations between two or more countries.
Financial Services	17MBA4CEF9			✓	✓	This course covers products and services offered by financial institutions for the facilitation of various financial transactions and other related activities
Taxation	17MBA4CEF10	✓		✓	✓	This course impart conceptual understanding to the students of the provisions of the Tax covered in the Syllabus and also helps in tax planning area.
HR Analytics	17MBA4CEH6				✓	It helps the student to focus on building analytical acumen and taking a strategic view of talent analytics. Using a framework presented in this course, students will examine outcomes and drivers throughout an organization to assess strategic needs.
International Human Resource Management	17MBA4CEH7			✓		It Aims the studets to develop a critical understanding of the role and functions of the various human resource activities within multinational corporations (MNC). It provides an overview of the impact of globalisation and varieties of capitalism in shaping international human resource management practices in MNCs.

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Performance Management	17MBA4CEH8			✓	✓	This helps the student to identify the knowledge and skills needed for effective management of individual and team performance and examines the design of performance management systems that aim to transform organisational objectives into performance outcomes.
Managerial Behavior and Effectiveness	17MBA4CEH9			✓		This enables the student to integrate the study of management principles and practices with the study of human behavior within organizations. The focus will be upon translation of management and organizational behavior theory to practices that result in organizational effectiveness, efficiency, and human resource development.
Human Resource Development	17MBA4CEH10			✓	✓	Human Resource Development equip students to develop themselves into a critically reflective and capable HRD practitioner, or a manager who can facilitate the learning of others.
Software Project Management	17MBA4CES6				✓	The course objective is to introduce students to the basic concepts and techniques of Software Engineering and Project Management, with a focus on applications to business organizations and their software development efforts. Be familiar with the different methods and techniques used for project management.

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Cyber Laws	17MBA4CES7				✓	This course is aimed to develop an Understanding on the Legal Provisions of Information Technology Act, 2000 and the Case Law and Practical Ramifications of the Act
Advanced MS Excel for Managers	17MBA4CES8				✓	This course aims to Familiarize Students with Basic to Intermediate Skills for Using Excel in Business Applications and also to facilitate students to Gain Proficiency in MS Excel Utilities and in Creating Solutions for Data Management and Reporting.
Decision Support System	17MBA4CES9				✓	The course aims to provide the fundamental terms, concepts and theories associated with Decision Support Systems, computerized decision aids, expert systems, group support systems and Executive Information Systems.
E-Commerce	17MBA4CES10				✓	This course aims to provide the basic concepts of e-commerce and also enable them to understand the requirements and applications of e-commerce.
Six sigma	17MBA4CESCM6			✓	✓	This course enable the student to identify the characteristics of an organization's business processes and Identify the process or product customers impacted by the problem
Supply Chain Planning	17MBA4CESCM7				✓	The course enables the students to acquire knowledge on Supply chain forecasting, to Implement the Supply chain based on the demand.

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Supply Chain Coordination	17MBA4CESCM8		✓		✓	: This course makes the students to understand the fundamentals of supply chain coordination and to Know the challenges, different approaches for coordination systems and strategies in supply chain coordination.
Modeling for Supply Chains	17MBA4CESCM9	✓				The course makes the students to understand the concepts of modeling and analytics for supply chain management in MS Excel and to analyze the complexities associated in supply chain with linear programming models, transportation models and network strategies.
Theory of Constraints	17MBA4CESCM10	✓				This course enables the students to familiarise the fundamentals of operational process analyses with a view to improving productivity and performance towards fulfilling the overall business goals..
Diversity Management	17MBA4CEED6		✓		✓	The students are able to understand the new changes the in the business environment cultural diversity and changes and introduction of planed change, managing competition and legal acts in India.
Business Opportunity Recognition and Forecasting	17MBA4CEED7		✓		✓	The course is designed to provide students with one skill set that will help them create new business concepts and will help you assess a concept‘s viability before investing significant amounts of time and money.
Creative problem solving	17MBA4CEED8			✓	✓	The students will be able to creativity process and appreciate the use of divergent

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		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						thinking in open ended problems and able to aware creativity techniques in decision making.
Innovation Management	17MBA4CEED9			✓	✓	The students are able to understand the rudiments of innovation, exploiting the innovation, innovative culture creation, the part played by human factors in virtual setting and renewing innovation.
Sustainable Enterprise	17MBA4CEED10		✓			The students are familiarize technology innovation technology transfer and joint ventures policies, procedures, practices and problems, an overview of web marketing and its strategies and prospects of ERP applications.

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Name of the Programme: B.Sc. Microbiology

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Introduction to Microbiology and Microbial Diversity	20UMB1CC1				✓	The course emphasise the need to understand the evolution and diversity of Sustainable microorganisms.
Introduction to Microbiology and Microbial Diversity Practical	20UMB1CC2P				✓	The course provides the strategies to be implemented for basic microbiology techniques.
General Biochemistry I: Biomolecules	20UMB1AC1	✓				The course seeks to build a strong structure and functions of biomolecules integrating with professional ethics.
General Biochemistry I: Biomolecules Practical	20UMB1AC2P	✓				Students are trained to focus the qualitative and quantitative analysis of biomoleculesthat belongs to the ethical principle.
Bacteriology and Virology	20UMB2CC3	✓		✓		The course includes the mechanism of bacterial and viral infections relating to the human and professional ethics.
Bacteriology and Virology Practical	20UMB2CC4P	✓		✓		Students are trained to focus the diagnosis of bacterial and viral infections in the aspects of human values and professional ethics.

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General Biochemistry II: Bioenergetics and Enzymology	20UMB2AC3			✓		The students are trained to understand the types and uses of enzyme connecting to the human values.
General Biochemistry II: Bioenergetics and Enzymology Practical	20UMB2AC4P			✓		Students are practised to focus the enzyme preparation and analyses relating to the human values.
Microbial Physiology and Metabolism	20UMB3CC5				✓	The course gives an in-depth knowledge about microbial metabolism.
Microbial Physiology and Metabolism Practical	20UMB3CC6P				✓	The course provides a comprehensive knowledge on microbial nutrition and growth curve.
Immunology I: Principles of Immunology	20UMB3AC5	✓		✓		The course includes aspects on gaining insights into the Human Value and ethics through immune system and immunological disorders.
Immunology I: Principles of Immunology Practical	20UMB3AC6P	✓		✓		Students are trained to focus the immunological techniques for diagnosis and the results interpret the professional ethics and human values.
Clinical Microbiology	20UMB4CC7	✓		✓		The course created awareness on the microbial infections caused by microorganism in the aspects of professional ethics and human value.
Clinical Microbiology Practical	20UMB4CC8P	✓		✓		Students are trained to focus on the knowledge related to principle, procedure of isolation and identification of microorganisms relating to the professional ethics and human value.

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Immunology II: Immunohaematology	20UMB4AC7	✓		✓		The course provide information about blood and blood components in the aspects of professional ethics and human value.
Immunology II: Immunohaematology Practical	20UMB4AC8	✓		✓		Students are trained to focus the blood cells and its count for the diagnosis of human diseases and the results are interpretedbased on the professional ethics and human value.
Microbial Food Products	20UMB3GE1	✓		✓		The students learn to have a better understanding of human consuming food products based on the ethics and human value.
Cosmetic Microbiology	20UMB4GE2	✓		✓		This course promotes the testing to analyse the cosmetic products to ensure the good quality in the aspects of ethics and human value.
Microbial Genetics	20UMB5CC9	✓				This course included the principles of genetic material and its exchange, expression in the host by using ethics.
Molecular Biology And Recombinant DNA Technology	20UMB5CC10	✓				This course includes the significance of nucleic acid and its research on recombinant DNA technology.
Industrial Microbiology	20UMB5CC11	✓		✓		This course promotes the interest on fermentation types and product recovery through ethics and human values.
Microbial Genetics, Molecular Biology And Recombinant DNA Technology And	20UMB5CC12P	✓		✓		Students are focused to gain the knowledge on principle, procedure of nucleic acid separation by using bacteriophages and fermented

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Industrial Microbiology Practical						products relating to the professional ethics and human value.
Bioinformatics and Biostatistics	20UMB5DE1A	✓				The students learn the ethics of application of Bioinformatics and statistical methods.
Medical Entomology	20UMB5DE1B	✓				This course includes the significance of entomology and its impact on human health based on the ethics.
Biofertilizers And Biopesticides	20UMB5SE2A				✓	This course enhance the knowledge on biological preparation of microorganisms and its products.
Analytical Techniques	20UMB5SE2B	✓				Students are expanded the knowledge on professional and safety responsibility residing in working on biological and chemical analysis.
Textile Microbiology	20UMB5SE3A				✓	Textile microbiology provides the better understanding of hygienic and health care textiles.
Mycology	20UMB5SE3B	✓			✓	This course includes the concept of fungal ecology, infections and the results are interpreted to focus on the human value and professional ethics.
Food And Dairy Microbiology	20UMB5CC13	✓			✓	Food and dairy microbiology summarize the sources of microorganism found in various food products and the establishments are responsible for the ethics in the environment.

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Environmental Microbiology	20UMB6CC14				✓	The students are learned to focus the role and application of various microbial ecosystem and bioleaching process.
Soil And Agricultural Microbiology	20UMB6CC15				✓	This course includes the soil property, role and applications of microorganisms in soil region.
Food And Dairy Technology, Environmental Microbiology, Soil And Agricultural Microbiology Practical	20UMB6CC16P				✓	The students are trained to understand the principle and methodology of microbial ecosystem.
Plant Pathology	20UMB6DE2A				✓	The course summarizes the etiology, symptoms, predisposing factors and control of plant diseases and economic importance.
Applied Phycology	20UMB6DE2B				✓	Students gained the knowledge on collection, identification, preservation and economic importance of algae.
Social And Preventive Medicine	20UMB6DE3A	✓		✓		The students learn to have a better understanding of humanrelations and ethics of social approach.
Biosafety and Intellectual property rights	20UMB6DE3B	✓		✓		The course provide the knowledge to protect the worker, community, and environment from an accidental exposure or unintentional release of infectious agents and toxins relating to the ethics and human value.
Basic Microbiology	17UMB1C1				✓	The course emphasizes the historical inventions and basic methods used in m[illegible]ogy

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Basic Microbiology Practical	17UMB1C2P				✓	Basic Microbiology Practical provides knowledge on fundamentals of microbial techniques.
General Biochemistry	17UMB1A1				✓	This course summarizes the classification, structure and function of biomolecules.
General Biochemistry Practical	17UMB1A2P				✓	This practical seeks to develop knowledge on preparation of various solutions, qualitative and quantitative estimation of biomolecules.
Bacteriology	17UMB2C3				✓	Students learn about the morphology, identification and maintenance and prerservation methods of bacteria.
Bacteriology-Practical	17UMB2C4P				✓	Students are trained to observe the morphology, motility of bacterial cell and determination of bacterial growth by different methods.
Cell Biology	17UMB 2A3	✓				Students examine the basic properties of cellular organelles, in addition to the properties of differentiated cell systems and tissues and the structural and functional properties of cells.
Cell Biology Practical	I7UMB2A4P	✓				This practical course provides students with hands-on experience in selected techniques of cell biology,
Microbial Diversity	17UMB3C5				✓	The course focuses on origin, evolution and diversity of microorganisms.
Haematology	17UMB3C6			✓		Haematology course deals with the composition and functions of blood, transfusion techniques,

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						preservation of blood cells and haemolytic disorders.
Microbial Metabolism	17UMB3A5	✓				This course provides comprehensive knowledge on transport of nutrients, growth curve and metabolism of biomolecules.
Microbial Metabolism Practical	17UMB3A6P	✓			✓	The course gives an in-depth knowledge on biochemical reactions that occur in a microbial cell.
Basic Bioinformatics	I7UMB3N1	✓			✓	The course covers the ethical aspect for the application of computational methods to biological data analysis.
Clinical Microbiology	17UMB4C7			✓	✓	The course created for the awareness on the epidemiology and pathogenicity of various microorganisms in the environment.
Clinical Microbiology Practical	17UMB4C8P			✓	✓	Students are trained to isolate, identify and assessment of different microbes.
Immunology	17UMB4A7			✓	✓	The course provides a comprehensive knowledge on key concepts of Immune system and Immunological disorders.
Immunology Practical	17UMB4A8P			✓	✓	This practical course covers the hands-on experience in immunological techniques for diagnosis.
Endocrinology	I7UMB4N2		✓	✓		The course includes the knowledge on hormones and its mechanism based on the gender and human values.

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Virology	17UMB5C9	✓				This course covers detailed description of viruses, human viral disease, the evolution of the virus, its detailed structure and mechanism.
Environmental Microbiology	17UMB5C10	✓			✓	This course concerning about the vital role and application of various microbial ecosystem and use of microorganisms in waste treatment.
Soil And Agricultural Microbiology	17UMB5C11	✓			✓	The course lays emphasis on properties of soil, microbial interaction and microorganisms role in agriculture.
Virology, Environmental Microbiology, Soil And Agricultural Microbiology Practical	17UMB5C12P	✓			✓	This practical course covers the isolation techniques of microbes from the environment and describes the antagonistic effect of microbes.
Social And Preventive Medicine	I7UMB5M1			✓		Social and preventive medicine provides knowledge on dimensions of health, principles of epidemiology, genetics and diseases.
Medical Entomology	17UMB5M1B	✓		✓	✓	This course emphasizes the impact of arthropods and arthropods borne diseases in human and animal health.
Bioinstrumentation	I7UCN5S2A	✓				The course focuses on principles and operating techniques of various instruments and ethical practices needed for identification and quantification of compounds.
Textile Microbiology	I7UCN5S3A	✓			✓	The course provides the better understanding of microorganisms and enzym[illegible] in textile

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						industries and biomaterials in the health care textiles.
Vermiculture Technology	17UMB5EC1				✓	Vermiculture Technology course summarize the preparation, applications and advantages of vermiculture.
Microbial Genetics	17UMB6C13				✓	The course emphasizes the basic concepts of gene replication, gene transfer mechanisms and molecular approaches of gene regulation of microorganisms in the environment.
Molecular Biology	17UMB6C14				✓	The course provide a brief knowledge on Nucleic acid background comprising of salient features and models of DNA and its repair mechanisms and RNA.
Food And Dairy Microbiology	17UMB6C15	✓			✓	The course intends to sensitize students about role of microbes in food production, preservation and spoilage.
Microbial Genetics, Molecular Biology, Food And Dairy Microbiology Practical	17UMB6C16P	✓			✓	This practical course emphasis on isolation, analysis and estimation of DNA and detection of food borne pathogens.
Industrial Microbiology	17UMB6M2A	✓			✓	Industrial microbiology course involves the utilization of microorganisms in the production and purification of a wide range of microbial products.
Phycology	17UMB6M2B				✓	This course provides knowledge on the morphology, reproduction, cultivation,

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						preservation and its economic importance of algae.
Mycology	I7UCN5S3B				✓	The course entails a taxonomic survey of fungi and an exploration of the relationships of fungi with other organism, and various areas of applied mycology
Parasitology	I7UCN5S2B			✓	✓	This course introduces students to the field of parasitology includes parasite diversity, life cycles, host defense mechanisms, host pathology, ecology, evolution, and control.
Genetic Engineering	17UMB6M3A	✓		✓	✓	The course focuses on manipulation of genes of an organism, its transfer and screening mechanisms and ethics of gene cloning strategies.
Cell Culture Techniques	17UMB6M3B				✓	The course deals with the theoretical and practical knowledge in relation to animal and plant cell culture techniques
Mushroom Technology	17UMB6EC2	✓			✓	Students will understand the principles of mushroom cultivation, acquire the practical knowledge to grow several species of fungi, and will have the confidence to approach the mushroom industry for potential employment opportunities.

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1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Name of the Programme: M. Sc. Microbiology

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
General Microbiology	20PMB1CC1	✓			✓	The course include the fundamental ideas and application of microbial adaptation in the environment.
Microbial Cell Physiology	20PMB1CC2				✓	The course summarize the knowledge on photosynthesis, anabolic and catabolic reactions occurring in the microorganisms.
Chemistry of Biomolecules	20PMB1CC3				✓	The course includes the role and maintenance of biomolecules and their alteration in the living cells.
General Microbiology, Microbial Cell Physiology and Chemistry of Biomolecules Practical	20PMB1CC4P	✓			✓	The students are trained to understand the principle, methodology of microorganism isolation and its biochemical regulation.
Virology	20PMB1DE1A	✓			✓	The course gained the knowledge on discovery, taxonomy, structure and replication strategies ofvirus to interpretthe ethics and human value.
Microbial Diversity	20PMB1DE1B	✓			✓	The course includes the evidence of biodiversity, energy production and application in association with professional ethics and human value.

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Microbial Genetics and Molecular Biology	20PMB2CC5	✓				The course includes the significance on nucleic acid replication and gene regulation in the aspects of professional ethics.
Genetic Engineering	20PMB2CC6	✓				The course conclude the application of recombinant DNA technology and its safety guidelines in responsible to the professional ethics.
Environmental and Agricultural Microbiology	20PMB2CC7				✓	The course provide the knowledge on nutrient cycle, waste management, biodegradation and its applications on the environment.
Microbial Genetics and Molecular biology, Genetic Engineering, Environmental and Agricultural Microbiology Practical	20PMB2CC8P	✓			✓	The students are trained to enhance the knowledge on molecular techniques and polluted water analysis.
Microbial Ecology	20PMB2DE2A				✓	Microbial ecology provides the distribution and association of microorganism in environment and its management.
Bioremediation and Waste Management	20PMB2DE2B				✓	The students are trained to analyse the hazard waste and associated risk on environment.
Medical Microbiology	20PMB3CC9	✓		✓		Medical microbiology provide knowledge on medically important microorganism and its

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						diagnosis method in association with ethics and human values.
Immunology and Immunotechnology	20PMB3CC10	✓		✓		The course gained the knowledge on antigen and antibody interactions and its effect on the organisms based on the ethics and human values.
Bioenergetics and Enzymology	20PMB3CC11			✓		The course provide the knowledge on energy level, energy transfer, synthesis of enzyme and enzyme action through human values.
Medical Microbiology, Immunology and Immunotechnology, Bioenergetics and Enzymology Practical	20PMB3CC12P	✓		✓		The students are trained to focus on drug resistant bacteria, antigen- antibody interaction and enzyme immobilization in the aspects of ethics and human values.
Bioinstrumentation and Bioethics	20PMB3DE3A	✓				The course designed the ethical aspect related to the biological research.
Endocrinology	20PMB3DE3B		✓	✓		The course includes the knowledge on hormones and its mechanism based on the gender and human values.
Fermentation Technology	20PMB4CC13	✓		✓		The course provides the knowledge on raw material, process of primary and secondary metabolites based on the ethics and human values.
Food and dairy Microbiology	20PMB4CC14	✓		✓		The course gained the knowledge on adaptation of preservative on the fermented food products related to the ethics and human values.

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Bioinformatics and Biostatistics	20PMB 4CC15	✓				The course predicts the analyses of biological database in bioinformatics with the concepts and methods of biostatistics related to professional ethics.
Fundamentals of Microbiology	17PMB1C1	✓			✓	This course summarize the basic concepts, origin, evolution and diversity of microorganisms.
Microbial Physiology and Cell	17PMB1C2				✓	The course provides knowledge on microbial growth, metabolism and physiological regulation
General Biochemistry	17PMB1C3				✓	This course elaborates the basic concepts of biomolecules and biosignalling
Fundamentals of Microbiology, Microbial Physiology and Cell Biology and General Biochemistry Practical	17PMB1C4P	✓			✓	The course aids students to practice on methodology of isolation, biochemical characterization of microorganisms and estimation of biomolecules
Virology	17PMB1CE1A	✓			✓	This course discusses about the characteristics and cultivation of human, plant and phage viruses.
Bioinstrumentation and Bioethics	17PMB1CEB	✓				The course gives an in-depth knowledge about working principles of laboratory instruments and theoretical approaches to bioethics.

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Microbial Genetics and Molecular Biology	17PMB2C5	✓				The course includes aspects on gaining insights into key concepts of genetic material, transfer mechanisms and molecular aspects of gene expression.
Microbial Biotechnology	17PMB2C6	✓				This course imparts knowledge on recombinant DNA technology and its application in advanced molecular biology research.
Environmental and Agricultural	17PMB2C7	✓			✓	This course includes the significance and applications of microorganisms on environment, waste water treatment and bioleaching.
Microbial Genetics and Molecular biology, Microbial Biotechnology, Environmental and Agricultural Microbiology Practical	17PMB2C8P	✓			✓	This practical course develop skills on principle and methodology of environmental and molecular biology experiments.
Drug Discovery and Design	17PMB2CE2A	✓				This course lay emphasis on principles of modern drug designing, discovery and gene manipulation.
Marine Microbiology	17PMB2CE2B				✓	This course provides an in-depth overview of microbes with marine ecosystems and ecology of marine microorganisms.
Medical Microbiology	17PMB3C9	✓		✓		The course creates awareness on epidemiology, pathogenesis and preventive measure of different microorganisms.

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Immunology	17PMB3C10	✓		✓		This course imparts knowledge on key concepts of immune system and immunological disorders and its diagnostic methods.
Bioenergetics and Enzymology	17PMB3C11			✓		This course includes basis on thermodynamics, energy conversion, properties, mechanism and kinetics of enzymes.
Medical Microbiology, Immunology, Bioenergetics and Enzymology Practical	17PMB3C12P	✓		✓		The course gives them hands on experience on clinical and immunological techniques.
Microbial Ecology	17PMB3CE3A				✓	The course includes general aspects on microbial ecosystem, diversity, environment and ecological genetics.
Microbial Taxonomy and Phylogeny	17PMB3CE3B	✓				The course provides the better understanding of morphological, molecular phylogeny and sequence analysis in microbial systematic.
Cyanobacteriology	17PMB3EC1	✓			✓	The course designed to provide knowledge on morphology, reproduction, biochemistry, molecular regulation and applications of cyanobacteria.
Fermentation Technology	17PMB4C13	✓		✓		This course imparts knowledge on bioreactors design, operation, fermentation process and recovery of fermented products.
Food and dairy Microbiology	17PMB4C14	✓		✓		The course aids the students to understand importance of food microb[illegible]tamination,

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						spoilage and application of microbes in food and diary industries.
Biostatistics and Bioinformatics	17PMB 4C15	✓				The course provides an overview on computer based technology for the biomolecular studies and to solve biological problems.
Microbial products and Quality	17PMB4EC2	✓		✓		The course provides a comprehensive overview of industrially important microbes and its applications, quality control aspects and legal production.

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1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Name of the Programme: B. Sc. Nutrition & Dietetics

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Food science	20UND1CC1	✓		✓		This course helps the students to apply the food science knowledge in describing the functions of ingredients in the experimental cookery of food.
Value Education	20UCN1AE1			✓		The course emphasizes the moral values and instructions to be followed by an individual in a society.
Nutrition :Life Cycle Approach	20UND2CC3		✓			The course help the students to understand the nutritional needs during various stages in the life
Environmental Studies	20UCN3AE2				✓	This paper highlights the awareness of Environmental issues.
Diet Therapy-I	20UND3CC5	✓				The course focuses on the role and responsibilities professional ethics of the dietitian and diet counselling process and application of Diet principles in the therapeutic modification of diets.

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Food Microbiology	20UND4AC7				✓	The paper helps the student to learn about the role of microbes in food, environmental microbiology, food spoilage and food safety concepts.
Food Service Management	20UND6CC13	✓				This paper provide the basic knowledge for the students to work as the professionals in Food Service Institution, where it covers the various types of food service, entrepreneurship food service management, organisation ,hygiene and sanitation.
Public Health Nutrition	20UND6CC14		✓			The paper help the students to learn about various nutrition problems and its prophylaxis programmes , nutrition education among the various sectors of the population
Food science	17UND1C1				✓	The paper help the students to understand the nutrient content, different stages of milling process and by products of cereals, millets, pulses and oil seeds.
Value Education	17UCN1VE			✓		The course emphasizes the moral values and instructions to be followed by an individual in a society.

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Nutrition :Life Cycle Approach	17UND2C3		✓			The course help the students to understand the nutritional needs during various stages in the life
Environmental Studies	17UCN2ES				✓	This paper highlights the awareness of Environmental issues.
Dietetics-I	17UND3C5	✓				The course focuses on the role and responsibilities, professional ethics of the dietician and application of diet principles in the therapeutic modification of diets.
Food Microbiology	17UND4A7				✓	The paper helps the student to learn about the role of microbes in food, environmental microbiology, food spoilage and food safety concepts.
Community Nutrition	17UND6C14		✓			The paper help the students to learn about nutrition problems ,prophylaxis programmes and nutrition education among the various sectors of the population

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1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Name of the Programme: M. Sc. Nutrition & Dietetics

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Advanced food science	20PND1CC1	✓				The paper covers food processing, food packaging and labelling, Intellectual property right (IPR)
Nutrition in Life span	20PND2CC5		✓			The paper focus on the role of nutrition in various stages of life
Advanced food microbiology and food safety	20PND3CC10				✓	The paper includes the role of microbes in contamination and spoilage of food; application of quality control and also adherence of food safety, food standards in food industry.
Food Service Management	20PND4CC13	✓				The paper include legal license to start the food business, food waste management in food service industry- Guidelines by FSSAI
Public Health and Community Nutrition	20PND4CC14		✓	✓		The paper includes the nutritional problems among various sectors in the population and role of various Governmental organisation in preventing through national/state nutritional prophylaxis programmes

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Nutrition and Dietetics for Career Examinations	20PND4EC2	✓				The paper helps the students to upgrade their knowledge to face the competitive aptitude in the field of Nutrition and Dietetics.
Advances in Food Science	17PND1C1	✓			✓	This paper helps the students to understand the nutrient content, different stages of milling process and by products of cereals, millets, pulses and oil seeds.
Human Nutrition	17PND1C2	✓	✓	✓		The paper helps the students to acquire knowledge about the physiological role of nutrients and water in the human body.
Diet therapy	17PND1C3	✓	✓	✓		The paper emphasizes the nutritional status and support for patient care in Therapeutic nutrition.
Food Microbiology	17PND3C10				✓	This paper helps the students to know and identify the role of microbes in food and spoilage, and its prevention in food industry
Paediatric and Geriatric Nutrition	17PND3EC1		✓			Understand the nutrition during the paediatric and geriatric stages.
Institutional Food Management	17PND4C13	✓				Understand and acquire the knowledge about the various service systems, current trends in food service indu

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1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Name of the Programme: B. Voc. Food Processing & Safety

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Food Science	18BFP1C1	✓			✓	This course helps the students to understand the nutrient content, different stages of milling process and uses of by products of cereals, millets, pulses and oil seeds utilised in Industry
Bakery and Confectionery-I	18BFP1C2	✓				This course helps the students to understand the science and principles of preparation of different types of bakery and confectionery products
Food Science Practical	18BFP1C3P	✓		✓		This course helps in understanding the nutrient content and cooking methods of cereals, millets, pulses and oil seeds utilised in a kitchen laboratory and importance of various food groups for human body mechanism
Bakery and Confectionery-I Practical	18BFP1C4P	✓			✓	This course helps in understanding the practical preparation of different types of bakery and confectionery products
Principles of Nutrition	18BFP2C6	✓		✓		Solidly based on science, this course will help you to understand how key nutrients affect health, disease, energy balance, and weight control and nutritional requirements during

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						physical activity, and how nutrient needs change during pregnancy and lactation
Bakery and Confectionery-II	18BFP2C7	✓				This course helps in Understanding the science and principles of preparation of different types of bakery and confectionery products
Principles of Nutrition Practical	18BFP2C8P			✓		This course integrates biochemical and physiological aspects of nutrient utilization, interactions and metabolic regulation in humans on a practical level
Bakery and Confectionery-II Practical	18BFP2C9P	✓				This course helps in understanding the practical preparation of different types of bakery and confectionery products
Principles of Food Preservation	18BFP3C11	✓			✓	This course helps in dealing with the techniques and principles involved in the processing and preserving the food substances.
Food Processing-I	18BFP3C12					This course helps in dealing with the techniques and principles involved in the processing of cereals, millets, pulses and oil seeds
Food Chemistry	18BFP3C13	✓				Encompasses some of the basic and advance subjects of chemical composition of foods, basic bio molecules and combined with other aspects of chemistry

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Food Microbiology	18BFP3C14	✓			✓	This course the characteristic of microbial growth, intrinsic and extrinsic factors and their relationship to microbial growth; the principles of food fermentation and the role of beneficial microbes and food spoilage microorganisms
Food Chemistry and Food Microbiology Practicals	18BFP3C16P	✓				Laboratory work includes current biochemical laboratory techniques such as acidity, pH, Iodine value, melting point, smoke point, peroxide value , and preparation of pure culture, staining techniques .
Food Processing-II	18BFP4C18	✓			✓	This course helps in dealing with the techniques and principles involved in the processing and preserving the fruits and vegetables. The various techniques involved to minimise the post harvest losses
General Biochemistry	18BFP4C19			✓		This course focuses on functions and metabolism of nutrients in human body and awareness about deficiency of nutrients
Food Service Management	18BFP4C20	✓				The course provides students with a general knowledge of management in terms of the organizational design, structure, culture, inside and outside stakeholders, and the pattern and discipline of organizational operations.

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Entrepreneurship Skill in Food Industry	18BFP4C21	✓		✓		The course covers the role played by entrepreneurs in the restaurant sector and how they innovate and take risks to introduce new products and services
Food Processing-II Practical	18BFP4C22P	✓			✓	This course helps in dealing with the techniques and principles involved in the processing and preserving of fruits and vegetables
General Biochemistry and Food service Management Practicals	18BFP4C23P	✓				Understanding of the structure and functioning of organisms, tissues, and cells including Chemistry and functions of constituents with practical training, gaining knowledge on different cuisine
Food Processing-III	18BFP5C25	✓			✓	This course helps in dealing with the techniques and principles involved in the processing and preserving the food substances of categorised food groups
Food Product Development	18BFP5C26	✓			✓	On successful completion of this course, students will gain a wide range of knowledge and skills that can be applied for the improvement or development of food products to satisfy consumers' changing demands and to improve business related outcomes.

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Nutrition through life cycle	18BFP5C27			✓		Nutrition in the Life Cycle will cover nutritional needs of individuals during critical stages of development. Students will learn about the biological basis for nutritional requirements in normal development and maintaining health in adulthood.
Marketing Management	18BFP5C28					Marketing Management is a course that examines the role and importance of marketing in the firm and other organizations. It cover topics such as marketing plans/strategies, marketing research, market segmentation, retailing, advertising, pricing, Internet marketing, etc

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1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Name of the Programme: B.Sc. Physics

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Physics for Competitive Examination	20UPH6EC2	✓				Prepare the students to pursue research careers, careers in academics, in industries in Physical science and in allied fields.
Non Conventional Energy Physics	20UPH6DE3A				✓	To induce the practical Awareness about energy resources and technologies
Physics For Home Appliances	20UPH3GE1	✓				Developing extra skills to repair certain home appliances.
Solar Energy	17UPH6M3A					To understand the concepts of conventional and non conventional energies. To learn the utilization of solar energy
Physics For Home Appliances	17UPH3N1	✓				To learn the Physical principles and working mechanism of Home appliances To study the electrical circuit, Fault finding and Precautions
Physics For Competitive Examination	17UPH6EC2	✓				To develop the skills and quantitative knowledge in physics concepts to face competitive examinations

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1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Name of the Programme: M.S.W

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Social Work Profession and Society	20PSW1CC1	✓	✓	✓		This course deals with the concept and nature of social work profession, individual and society and addresses the issues and problems in the society.
Working With Individuals	20PSW1CC2	✓	✓	✓	✓	This course deals with Individuals and their professional relationships, professional ethics, techniques to tackle their problems practiced for their wellbeing
Working with Groups	20PSW1CC3	✓	✓	✓	✓	This course deals with Individuals in groups and their professional relationships, group dynamism, group behaviour, professional ethics, techniques to tackle their problems practiced for their betterment.
Working with Communities	20PSW1CC4	✓	✓	✓	✓	This course deals with individuals, Groups, Community and dynamism that exist in the community for their development through community awareness programmes and social action.
Field Work Practicum	20PSW1CC5	✓	✓	✓	✓	It deals with individuals, Groups and Community develop relationships with one another in the community and pave way for sustainable development through observation

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						visits, Group Project activity and rural camp in the adopted villages.
Management of Welfare Organization–Theory	20PSW2CC6T	✓	✓	✓		This course deals with the purpose and principles of voluntary and professional social work, welfare services rendered for the benefit of the people and the agencies involved in it by focusing on social legislation to enable the students to practice it..
Management of Welfare Organization–Practical	20PSW2CC6P	✓	✓	✓		This course deals with the purpose and principles of voluntary and professional social work, welfare services rendered for the benefit of the people and the agencies involved in it by focusing on social legislation to enable the students to practice it.
Research Methods in Social Work	20PSW2CC7	✓	✓	✓		This course deals with the purpose of research, research design, methods of data collection, social statistics, research report writing and enabling the students to nourish the skills in tackling the problems in the society.
Human Growth and Personality Development	20PSW2CC8	✓	✓	✓	✓	This Course deals with psychology, personality and stages of human development highlighting their perception, attitude and intelligence and enabling the individual to adjust to the environment

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Counselling in Social Work: Theory and Practice	20PSW2CC9	✓	✓	✓		This Course deals with the goals, importance and process of counselling and enabling the student to understand the theoretical background and enrich their skills in counselling.
Concurrent Field Work	20PSW2CC10	✓	✓	✓	✓	It deals with individuals, Groups and Community develop relationships with one another in the community and pave way for sustainable development
Summer Internship*	20PSW3CC11	✓	✓	✓	✓	This Course deals with the understanding the background of the organizations, NGO's, CBO's and learn professional skills to undertake case studies relevant to their field.
Social Entrepreneurship	20PSW3CC12	✓	✓	✓	✓	This Course deals with the importance of entrepreneurship, generation of business ideas and promotion of start-up for their development.
Disaster Management	20PSW3CC13	✓		✓	✓	This Course deals with the various types of disasters and impact of disaster on human development, policies, role of voluntary organization and social workers in disaster management.
Community Health	20PSW3DE11	✓	✓	✓	✓	This course deals with the community health, assessing the community health needs, policies and programmes for enriching the health status of individuals in the community.
Mental Health	20PSW3DE12		✓	✓		This course deals with the physiology of brain and its functioning, its relation[illegible] developing

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						psychiatric illness and various problems faced by individuals, groups and community and strengthen the skills in diagnosing the mental health status of people in the community.
Disability and Social Work	20PSW3DE13		✓	✓	✓	This Course deals with the various types of disability, impact of disability on individuals and their families, counselling skills and intervention strategies to be practiced by the social work students
Rural Community Development	20PSW3DE21		✓	✓	✓	This course deals with the rural community problems, developmental agencies in rural areas, developmental programmes and policies of the government for the development of rural areas and promoting sustainable development.
Urban Community Development	20PSW3DE22		✓	✓	✓	This course deals with the urban community problems, developmental agencies in urban areas, developmental programmes and policies of the government for the development of urban areas and promoting sustainable development.
Tribal Community Development	20PSW3DE23		✓	✓	✓	This course deals with the tribal community problems, developmental agencies in tribal areas, developmental programmes and policies of the government for the development of tribal areas and promoting sustainable development.
Human Resource Management	20PSW3DE31	✓			✓	This course deals with the nature and scope of Human Resources, Perfo[illegible] appraisal,

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						wages and salary administration and importance of social work in industries for students to strengthen their skills in the respective field.
Industrial Relations and Labour Legislations	20PSW3DE32	✓		✓	✓	This course deals with the concept of labour, industrial conflict, labour legislations, protective legislations and social security legislations and enhances the workers participation in management.
Training and Development	20PSW3DE33	✓		✓	✓	This course deals with the training need analysis, training methods, employee development and changing nature of management development to upgrade the abilities of the students.
Concurrent Field Work	20PSW3CC14	✓	✓	✓	✓	It deals with individuals, Groups and Community develop relationships with one another in the community and pave way for sustainable development
Medical Social Work	20PSW4DE14	✓		✓		This course deals with the application of social work methods in medical settings and various approaches followed in it for the skill development of the students.
Psychiatric Social Work	20PSW4DE15	✓		✓		This course deals with the therapeutic intervention for psychiatric illness, psychotherapies and indigenous therapeutic techniques to resolve the problem of psychiatric illness among the people in the society.

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Project Management	20PSW4DE24	✓	✓	✓	✓	This course deals with the principles and scope of project management enriching the student's ability to formulate project for the welfare of the people in the society.
Social Development	20PSW4DE25	✓	✓	✓	✓	This course deals with the various dimensions of development emphasizing on economic, social, cultural and political development.
Organizational Behaviour	20PSW4DE34	✓		✓		This course deals with the individual and group behaviour in the organization, organizational structure, organizational climate and organizational culture for work life balance.
Strategic HRM	20PSW4DE35	✓			✓	This course deals with the nature and importance of strategic management, environmental analysis, strategic control and evaluation for the better performance of the corporate.
Concurrent Field Work	20PSW4CC15	✓	✓	✓	✓	It deals with individuals, Groups and Community develop relationships with one another in the community and pave way for sustainable development
Pre-Employment Training/Block Placement	20PSW4CC16	✓	✓	✓	✓	This course deals with enhancing the practical skills and provides integrated learning to the social work students and enables them to become a professional social worker.
Research Project	20PSW4PW	✓	✓	✓	✓	This course enables the students in addressing the social issues and provides intervention in the form of suggestions.

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Social Work Profession	17PSW1C1	✓	✓	✓		This course deals with the concept and nature of social work profession, individual and society and addresses the issues and problems in the society.
Social work practice with Individuals and Groups	17PSW1C2	✓	✓	✓	✓	This course deals with Individuals and Groups, their relationships and professional ethics, techniques to tackle their problems practiced for their wellbeing
Community Organization and Social Action	17PSW1C3	✓	✓	✓	✓	This course deals with individuals, Groups, Community and dynamism that exist in the community for their development through community awareness programmes and social action.
Professional Development for social workers	17PSW1C4	✓		✓	✓	This Course deals with various life skills needed for professional social workers to excel in their respective field of intervention.
Field Work	17PSW1C5	✓	✓	✓	✓	It deals with individuals, Groups and Community develop relationships with one another in the community and pave way for sustainable development through observation visits, Group Project activity and rural camp in the adopted villages.
Counselling: Theory and Practice	17PSW2C6	✓	✓	✓		This Course deals with the goals, importance and process of counselling and enabling the student to understand the theoretical background and enrich their skills in counselli...

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Human Behaviour and Development	17PSW2C7	✓	✓	✓	✓	This Course deals with psychology, personality and stages of human development highlighting their perception, attitude and intelligence and enabling the individual to adjust to the environment
Research Methods in Social Work	17PSW2C8	✓	✓	✓		This course deals with the purpose of research, research design, methods of data collection, social statistics, research report writing and enabling the students to nourish the skills in tackling the problems in the society.
Social Welfare administration and its Applications -Theory	17PSW2C9T	✓	✓	✓		This course deals with the purpose and principles of voluntary and professional social work, welfare services rendered for the benefit of the people and the agencies involved in it by focusing on social legislation to enable the students to practice it..
Social Welfare administration and its Applications – Practical	17PSW2C9P	✓	✓	✓		This course deals with the purpose and principles of voluntary and professional social work, welfare services rendered for the benefit of the people and the agencies involved in it by focusing on social legislation to enable the students to practice it.
Concurrent Field Work	17PSW2C10	✓	✓	✓	✓	It deals with individuals, Groups and Community problems and addresses the issues in the community through individual intervention,

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						group intervention and community organization programmes.
Corporate Social Responsibility	17PSW3C11	✓	✓	✓	✓	This course deals with the social responsibility of corporate, business ethics, community participation and legislations relating to CSR activities of various industries to provide insight for the students about the social responsibility towards the nation.
Community Health	17PSW3E11	✓	✓	✓	✓	This course deals with the community health, assessing the community health needs, policies and programmes for enriching the health status of individuals in the community.
Mental Health	17PSW3E12		✓	✓		This course deals with the physiology of brain and its functioning, its relationship in developing psychiatric illness and various problems faced by individuals, groups and community and strengthen the skills in diagnosing the mental health status of people in the community.
Health & Hygiene	17PSW3E13		✓	✓		This course deals with the concept of health and hygiene, nutrition, communicable and non communicable diseases and importance of health education for the promotion of health status of the people in the society.
Rural and Urban Community Development	17PSW3E21		✓	✓	✓	This course deals with the rural and urban community problems, developmental agencies in rural and urban areas, developmental

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						programmes and policies of the government for the development of rural and urban areas and promoting sustainable development.
Local Self Governance	17PSW3E22		✓	✓	✓	This course deals with the importance of Panchayat Raj and its administration, issues and problems faced in local self government and nourish the skills of the students to handle the administrative problems.
Sustainable Development	17PSW3E23		✓	✓	✓	This course deals with the concept of sustainable development, importance of environment and energy, environmental legislations through community participation for social development.
Human Resource Management	17PSW3E31	✓			✓	This course deals with the nature and scope of Human Resources, Performance appraisal, wages and salary administration and importance of social work in industries for students to strengthen their skills in the respective field.
Industrial Relations and Legislations	17PSW3E32	✓		✓	✓	This course deals with the concept of labour, industrial conflict, labour legislations, protective legislations and social security legislations and enhances the workers participation in management.
Training and Development	17PSW3E33	✓		✓	✓	This course deals with the training need analysis, training methods, employee development and changing nature of management development to upgrade the abilities of the st[illegible]

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Concurrent Field Work	17PSW3C12	✓	✓	✓	✓	It deals with individuals, Groups and Community problems relating to their physic and mental health and addresses the issues in the community through individual intervention, group intervention and community organization programmes. It deals with individual problems in the industrial settings, enable the students to understand the HR practices being followed in the industries and practice it.
Media and social work	17PSW3EC1	✓	✓			This course deals with the impact of media on society and the intervention to be carried out for the national development.
Social Work in Medical Settings	17PSW4M14	✓		✓		This course deals with the application of social work methods in medical settings and various approaches followed in it for the skill development of the students.
Therapeutic Interventions in Social Work Practice	17PSW4M15	✓		✓		This course deals with the therapeutic intervention for psychiatric illness, psychotherapies and indigenous therapeutic techniques to resolve the problem of psychiatric illness among the people in the society.
Project and NGO Management	17PSW4M24	✓	✓	✓	✓	This course deals with the principles and scope of project management enriching the student's ability to formulate project for the welfare of the people in the society.

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Gender and Empowerment	17PSW4M25		✓	✓	✓	This course deals with the concept of gender, development, women empowerment, political participation, governance and enables the student's community to understand the importance of gender equality.
Organizational Behaviour	17PSW4M34	✓		✓		This course deals with the individual and group behaviour in the organization, organizational structure, organizational climate and organizational culture for work life balance.
Strategic Management	17PSW4M35	✓			✓	This course deals with the nature and importance of strategic management, environmental analysis, strategic control and evaluation for the better performance of the corporate.
Concurrent Field Work	17PSW4C13	✓	✓	✓	✓	It deals with individuals, Groups and Community problems relating to their physic and mental health and addresses the issues in the community through individual intervention, group intervention and community organization programmes. It deals with individual problems in the industrial settings, enable the students to understand the HR practices being followed in the industries and practice it.
Pre-Employment Training	17PSW4C14	✓	✓	✓	✓	This course deals with enhancing the practical skills and provides integrated learning to the

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						social work students and enables them to become a professional social worker.
Project Work	17PSW4PW	✓	✓	✓	✓	This course enables the students in addressing the social issues and provides intervention in the form of suggestions.
Training and supervision in Social Work	17PSW4EC2	✓	✓	✓	✓	This course deals with the importance of field work supervision and training for social work students to enrich their capacity as professional social workers.

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1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Name of the Programme: B.Litt., Tamil

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Cheyyul, Sirukathai, Payanpaattuththamizh, ilakkiyavaralaru	20U1LT1	✓	✓	✓	✓	It makes the Awareness to know the Objective of Human Life in all the platforms.
Nannool Ezhuththathikaram	20UTA1CC1	✓				It teaches the students to recognize their duties.
Kavithai Ilakkiyam	20UTA1CC2	✓	✓	✓	✓	Tamil Poetry is a vast field of Human life. Hence it highlights every Social Values.
Thamizhga Varalarum Panpaadum	20UTA1AC1	✓	✓	✓	✓	History and Culture always guides the society to enrich Social customs.
Makkal Thagaval Thodarpiyal	20UTA1AC2	✓		✓		It inculcates the skill development factors.
Cheyyul, Naadagam, Ilakkiyavaralaru, Semmozhivaralaru	20U2LT2	✓	✓	✓	✓	It makes the Awareness to know the Objective of Human Life in all the platforms.
Nannool Sollathikaaram	20UTA2CC3	✓				Grammatical knowledge always helps to understand Professional Success.
Urainadai Ilakkiyam	20UTA2CC4	✓	✓	✓	✓	Tamil Prose is a vast field of Human life. Hence it highlights every Social Values.
Naattuppuraviyal	20UTA2AC3	✓	✓	✓	✓	Folklore always guides the society to enrich Social customs.

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Thirappadakalai	20UTA2AC4	✓	✓	✓	✓	It inculcates the skill development factors. Film Industry Encourages Gender Justice, Social Values, Environmental Awareness etc…
Cheyyul , Puthinam, Mozhipeyarrppu, Kaditham, Katturaivaraithal, Ilakkiyavaralaru.	20U3LT3	✓	✓	✓	✓	It makes the Awareness to know the Objective of Human Life in all the platforms.
IdaikkaalaIlakkiyam	20UTA3CC5	✓	✓	✓	✓	Tamil Medieval Literature is a vast field of Human life. Hence it highlights every Social Values.
Yaapparunkalakaarikai	20UTA3CC6	✓				Grammatical knowledge always helps to understand Professional Success.
Vimarisana Kalai	20UTA3AC5	✓	✓	✓	✓	Literary Criticism has Job opportunity. Gender, Values, Environmental Awareness are some of the Literary Theories.
Mozhivaralaru	20UTA3AC6	✓				Grammatical knowledge always helps to understand Professional Success.
Ezhuththum Ilakkiyamum Arimugam - I	20UTA3GE1A			✓		Tamil Literature Teaches Human Values.
Thamizh Ilakkiyamum Varalarum - I	20UTA3GE1B			✓		Tamil Literature Teaches Human Values.
Cheyyul, Urainadai, Pottiththervuthamizh, Ilakkiyavaralaru	20U4LT4	✓	✓	✓	✓	It makes the Awareness to know the Objective of Human Life in all the platforms.

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Tholkaappiyam Ezhuththathikaram	20UTA4CC7	✓		✓		Grammatical knowledge always helps to understand Professional Success.
Sittrilakkiyankal	20UTA4CC8	✓	✓	✓	✓	Tamil Small Literary Genre is a vast field of Human life. Hence it highlights every Social Values.
NaadagaKalai	20UTA4AC7	✓	✓	✓	✓	Tamil Drama is a vast field of Human life. Hence it highlights every Social Values.
Arasu Pani Thervuthamzh	20UTA4AC8	✓				This Subject used to prepare to write Competitive Examinations.
Ezhuththum Ilakkiyamum Arimugam - II	20UTA4GE2 A			✓		Tamil Literature Teaches Human Values.
Thamizh Ilakkiyamum Varalarum – II	20UTA4GE2 B			✓		Tamil Literature Teaches Human Values.
Tholkaappiyam Sollathikaram	20UTA5CC9	✓				Grammatical knowledge always helps to understand Professional Success.
Purapporul Venpaamaalai	20UTA5CC10	✓	✓	✓	✓	Grammatical knowledge always helps to understand Professional Success.
Nambiyagapporul	20UTA5CC11	✓	✓	✓	✓	Grammatical knowledge always helps to understand Professional Success.
Kaappiyankal	20UTA5CC12	✓	✓	✓	✓	Tamil Epics is a vast field of Human life. Hence it highlights every Social Values.
Novel Ilakkiyam	20UTA5DE1 A	✓	✓	✓	✓	Tamil Novel is a vast field of Human life. Hence it highlights every Social Values.

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Oppilakkiyam	20UTA5DE1 B	✓		✓		Comparative Literature Used to Understand Universal Human values.
Thamizhin Semmozhi Panpukal	20UTA5SE2 A			✓		This Subject Teaches classical Values.
Ilakkiyaththil Manidha Urimaigal	20UTA5SE2 B		✓	✓		Human Rights Teaches Gender Justice, Human Values etc…
Sidha Maruththuvam	20UTA5SE3 A	✓		✓	✓	Traditional Medicinal Value develops Eco friendly human Life.
Tholliyal Arimugam	20UTA5SE3 B	✓	✓	✓	✓	History and Archaeology always guides the society to enrich Social customs.
Tholkaappiyam Porulathikaram	20UTA6CC13	✓	✓	✓	✓	Grammatical knowledge always helps to understand Professional Success.
Thandiyalankaaram	20UTA6CC14	✓	✓	✓	✓	Grammatical knowledge always helps to understand Professional Success.
Sanga Ilakkiyam	20UTA6CC15	✓	✓	✓	✓	Sangam Literature is a vast field of Human life. Hence it highlights every Social Values.
AraIlakkiyam	20UTA6CC16	✓	✓	✓	✓	Tamil Moral Literature is a vast field of Human life. Hence it highlights every Social Values.
Sirukathai Ilakkiyam	20UTA6DE2 A	✓	✓	✓	✓	Tamil Short Story is a vast field of Human life. Hence it highlights every Social Values.
Mozhipeyarppiyal	20UTA6DE2 B	✓		✓		Translation Used to Understand Universal Human values

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Islamiya Thamizh Ilakkiyam	20UTA6DE3 A	✓	✓	✓	✓	Islamic Tamil Literature is a vast field of Human life. Hence it highlights every Social Values.
Niruvagaviyal	20UTA6DE3 B	✓				This Subject Teaches Principles of Management.
Penniyam	20UTA6EC2		✓	✓		Feminism Teaches Gender Justice and Human Values.

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1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Name of the Programme: M.A. Tamil

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Tholkaappiyam Ezhththikaram	20PTA1CC1	✓			✓	Grammatical knowledge always helps to understand Professional Success.
Ikkala Ilakkiyam	20PTA1CC2	✓	✓	✓	✓	Tamil Modern Literature is a vast field of Human life. Hence it highlights every Social Values.
Bakthi Ilakkiyam	20PTA1CC3	✓	✓	✓	✓	Tamil Bhakti Literature is a vast field of Human life. Hence it highlights every Social Values.
Ilakkiya Thiranaaiviyal	20PTA1CC4	✓	✓	✓	✓	Literary Criticism has Job opportunity. Gender, Values, Environmental Awareness are some of the Literary Theories.
Panbaattu Maanidaviayl	20PTA1DE1A	✓	✓	✓	✓	Anthropology always guides the society to enrich Social customs.
Thamizh Mozhi Varalaru	20PTA1DE1B	✓			✓	Grammatical knowledge always helps to understand Professional Success.
Tholkaappiyam Sollathikaram	20PTA2CC5	✓			✓	Grammatical knowledge always helps to understand Professional Success.

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1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Kaappiya Ilakkiyam	20PTA2CC6	✓	✓	✓	✓	Tamil Epics is a vast field of Human life. Hence it highlights every Social Values.
Oppilakkiyamum Mozhipeyarppiyalum	20PTA2CC7	✓		✓		Comparative Literature and Translation used to Understand Universal Human values.
IslamiyaThamizh Ilakkiyavaralaru	20PTA2CC8	✓	✓	✓	✓	Islamic Tamil Literature is a vast field of Human life. Hence it highlights every Social Values.
Thamizhar Varalarum Panbaadum	20PTA2DE2A	✓	✓	✓	✓	History and Culture always guides the society to enrich Social customs.
Akarathiyiyal	20PTA2DE2B	✓		✓		Lexicography has high job opportunities.
Tholkaappiyam Porulathikaaram	20PTA3CC9	✓			✓	Grammatical knowledge always helps to understand Professional Success.
Sevvilakkiyam	20PTA3CC10	✓	✓	✓	✓	Tamil Sangam Literature is a vast field of Human life. Hence it highlights every Social Values.
Vudakaviyal	20PTA3CC11	✓		✓		It inculcates the skill development factors.
Urainadaivalarchi	20PTA4DE4A	✓	✓	✓	✓	Tamil Prose is a vast field of Human life. Hence it highlights every Social Values.

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1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Siththar Ilakkiyam	20PTA4DE4B	✓	✓	✓	✓	Tamil Philosophy Literature is a vast field of Human life. Hence it highlights every Social Values.
Payanmurai Ilakkanam	20PTA4EC2	✓			✓	Grammatical knowledge always helps to understand Professional Success.
Online Course	20PCNOC	✓	✓	✓	✓	Mooc's includes vast field of Knowledge.

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1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Name of the Department: Urdu

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Nasr Aur Quawaid	20U1LU1			✓		Human Values, patriotism and Language Proficiency
Nazm aur Ghazal	20U2LU2			✓		Art of Poetry Writing & Reading
Mukalama, Tarjuma Aur Rubaiyath	20U3LU3			✓		To Enhance Employability Skill
Afsana Aur Khutoot Navesi	20U4LU4		✓	✓		Life Style &Feminism
Nasr Aur Quawaid (Prose and Grammar)	17U1LU1			✓		Human Values, patriotism and Language Proficiency
Nazm aur Ghazal (Poems)	17U2LU2			✓		Art of Poetry Writing & Reading
Afsana Aur Tarjuma (Fiction And Translation)	17U3LU3		✓	✓		Life Style &Feminism
Drama, Asnafe Sukhan Aur Khutoot Navesi	17U4LU4			✓		To Enhance Employability Skill

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1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Name of the Programme: B.Sc. Visual Communication

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Introduction to Visual Communication	20UVC1CC1	✓	✓	✓		Enable the learners to Understand the importance of communication Study the characteristics and functions of Visual Communication
Advertising Basics	20UVC1CC2	✓	✓	✓		Enable the learners to Understand the importance of Advertising Visualise the concept for advertisements
Drawing	20UVC1AC1P		✓	✓	✓	Enable the learners to Produce the radio programmes
Graphic Design	20UVC1AC2P	✓		✓		Enable the learners to Understand the visual elements and principles of design Create designs using visual elements and principles of design
Media, Culture and Society	20UVC2CC3	✓	✓	✓	✓	Enable the learners to Know the Media Research and its importance

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1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
New Media	20UVC2CC4	✓	✓	✓		Enable the learners to Know the fundamentals of New Media
Painting Practical	20UVC2AC3P			✓		Enable the learners to Understand the 2D Animation and Character Creation
Digital Art Practical	20UVC2AC4P	✓	✓	✓		Enable the learners to Understand the Basics of Photography and its employability skills
Communication Theories	20UVC3CC5	✓	✓	✓		Enable the learners to Understand the Basics of Photography and its employability skills
2D animation Practical	20UVC3CC6P	✓		✓		Enable the learners to Understand about Pencil Sketching and Compositing the Portrait image
Photography Practical	20UVC3AC5	✓		✓		Enable the learners to Know the fundamentals of New Media
Basic Media psychology	20UVC3AC6P	✓	✓	✓	✓	Enable the learners to Know the basics of Media production Understand the stages of Production

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Media Production	20UVC4CC7	✓	✓	✓	✓	Enable the learners to Know the basics of Media research Do a small survey for social development
Media Research Orientation	20UVC4CC8	✓	✓	✓	✓	Enable the learners to Produce the radio programmes
Radio Production	20UVC4AC7P	✓		✓	✓	Produce various radio programmes to show the talent of a Radio Jockey Enable the learners to Create Radio programmes Create commercials and PSA
Media Laws and Ethics	20UVC5CC9	✓	✓	✓	✓	Enable the learners to Know the laws and ethics to be followed in Media Prepare as a self regulatory Media producer
Film Studies	20UVC5CC10	✓	✓	✓	✓	Edit with grammar Experience the art of editing, Film industry Enable the learners to Understand the film medium the medium Use the medium for creating change in the society
3D animation Practical	20UVC5CC11P	✓	✓	✓		Create objects and models using the open sour[illegible]are Animate

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1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						the objects and models for a concept
Internship	20UVC5CC12P1			✓		To enhance the practical skills in the Media, all the students have to undergo internship in anyone of the Media (Print, Electronic and New)
Domain Study	20UVC5CC12P2	✓		✓		Work on a particular area of interest in anyone of the Media Exploring possibilities of new creations
Communication for Development	20UVC6CC13T	✓	✓	✓	✓	Practice the Body, Mind, Voice co-ordination Express their feelings through body language and Facial expression
Communication for Development	20UVC6CC13P	✓	✓	✓	✓	Practice the Body, Mind, Voice co-ordination Express their feelings through body language and Facial expression
Visual Analysis	20UVC6CC14	✓		✓		Edit with grammar Experience the art of editing, Film industry
Visual Effects	20UVC6CC15P	✓		✓		Edit with grammar Experience the art of editing, Film industry

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Visual Storytelling Practica	20UVC6CC16P	✓		✓		Work on a particular area of interest in anyone of the Media Exploring possibilities of new creations
Introduction to Visual Communication	17UVC1C1	✓	✓	✓		Enable the learners to Understand the importance of communication Study the characteristics and functions of Visual Communication
Advertising Basics	17UVC1C2	✓	✓	✓		Enable the learners to Understand the importance of Advertising Visualise the concept for advertisements
Drawing	17UVC1A1P		✓	✓	✓	Enable the learners to Produce the radio programmes
Graphic Design	17UVC1A2P	✓		✓		Enable the learners to Understand the visual elements and principles of design Create designs using visual elements and principles of design
Media Culture and Society	17UVC2C3	✓	✓	✓	✓	Enable the learners to Know the Media Research and its importance
Communication Theories	17UVC2C4	✓	✓	✓		Enable the learners to Understand the theories of communication

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						Know the various Models of Communication
Digital Art	17UVC2A3P	✓	✓	✓		Acquire skills by using the right tool for Graphic Design
Painting	17UVC2A4P	✓	✓	✓		Explain the outdoor study outcomes
New Media	17UVC3C5		✓	✓	✓	Enable the learners to Know the fundamentals of New Media
2D animation	17UVC3C6P	✓		✓		Enable the learners to Understand the 2D Animation and Character Creation
Basic Photography	17UVC3A5	✓		✓		Enable the learners to Understand the Basics of Photography and its employability skills
Practical Photography	17UVC3A6P	✓	✓	✓		Enable the learners to Understand the Basics of Photography and its employability skills
Media Production	17UVC4C7	✓	✓	✓		Enable the learners to Know the basics of Media production Understand the stages of Production
Media Research Orientation	17UVC4C8		✓	✓	✓	Enable the learners to Know the basics of Media research Do a

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						small survey for social development
Practical: Radio Production	17UVC4A7P	✓		✓		Enable the learners to Produce the radio programmes
Television Production	17UVC4A8P	✓	✓	✓	✓	Enable the learners to Create television programmes Create commercials and PSA
Media Laws and Ethics	17UVC5C9	✓	✓	✓		Enable the learners to Know the laws and ethics to be followed in Media Prepare as a self regulatory Media producer
Film Studies	17UVC5C10	✓	✓	✓		Enable the learners to Understand the film medium the medium Use the medium for creating change in the society
3D animation	17UVC5C11P	✓	✓	✓		Create objects and models using the open source software Animate the objects and models for a concept
Internship	17UVC5C12P1	✓	✓	✓		To enhance the practical skills in the Media, all the students have to undergo internship in anyone of the Media (Print, Electronic and New)

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Domain Study	17UVC5C12P2	✓		✓	✓	Work on a particular area of interest in anyone of the Media Exploring possibilities of new creations
Communication for Development	17UVC6C13T	✓	✓	✓	✓	Practice the Body, Mind, Voice co-ordination Express their feelings through body language and Facial expression
Communication for Development	17UVC6C13P	✓	✓	✓	✓	Practice the Body, Mind, Voice co-ordination Express their feelings through body language and Facial expression
Visual Analysis	17UVC6C14	✓			✓	Practice the Body, Mind, Voice co-ordination Express their feelings through body language and Facial expression
Media Management	17UVC6C15	✓			✓	Media Management with Witness the World Movies Appreciate the films
Visual Storytelling	17UVC6C16P	✓		✓		Work on a particular area of interest in anyone of the Media Exploring possibilities of new creations

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1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Name of the Programme: B. Sc. Zoology

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Biology of Invertebrates	20UZOICC1	✓			✓	The course mainly deals with the life history of lower organisms and their adaptations. Topics such as protozoan and helminth diseases in man, corals and reef conservation have relevance to environmental sustainability.
Practical-I: Biology of Invertebrates	20UZO1CC2P	✓			✓	The course mainly deals with the life history of lower organisms and their adaptations. Topics such as protozoan and helminth diseases in man, corals and reef conservation have relevance to environmental sustainability.
Biology of Chordates	20UZO2CC3	✓			✓	The course focuses on life cycle of higher vertebrates and mammals. Identification of poisonous and non - poisonous snakes and topics such as migration in birds and adaptations of aquatic mammals help boost professional ethics among students.
Human Health and Hygiene	20UZO3GE1	✓	✓	✓	✓	Topics on dimensions of health, hygienic practices of different categories of family members, food hygiene, evil effects of smoking and alcoholism, first aid, food standards etc have relevance to human values and professional ethics. Topics such as environmental sanitation, health

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						care services etc help preserve environmental sustainability.
Animal Physiology	20UZO4CC7	✓	✓	✓		Balanced diet, nutritional requirements, homeostasis, human endocrines, hormonal regulations etc are all topics that have relevant to professional ethics, human values and gender perspectives.
Animal Physiology	20UZO4CC8P	✓				Experimental studies on blood cells count, haemoglobin, blood pressure and estimations of crucial; body fluid parameters enhance professional ethics among students.
Vermiculture Technology and Organic Farming	20UZO4GE2				✓	Descriptions on Vermiculture technology, the role of earthworms in enriching soil fertility, solid waste management, organic farming, Vermicompost making etc boost environmental sustainability to a greater extent.
Biostatistics, Bioinformatics & Computer Application in Biology	20UZO5CC9	✓				The entire syllabus focuses on professional ethics. Information concerning statistical sampling, concept of population, biological databases and computer applications in biology, tools of bioinformatics etc have relevance to professional ethics.
Microbiology	20UZO5CC11	✓	✓		✓	Applications of microbiology, disinfection, uses of microbes in

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						agriculture, concepts of IPR, Lab biosafety guidelines, microbial diseases etc have rich relevance to environmental sustainability, professional ethics and human values.
Developmental Biology	20UZO5CC12			✓		Topics on concepts of embryology, reproductive cycles, infertility etc have great relevance to gender. Information on test tube babies, embryo transfer, birth control etc have relevance to human values.
Biostatistics & Bioinformatics & Computer application in Biology, Genetics, Microbiology and Developmental Biology	20UZO5DE1A P	✓	✓			Mendalian traits in man, karyotypes, pedigree, syndromes etc have relevance to gender and professional ethics.
Water Pollution Management	20UZO5SE2 B	✓			✓	The entire syllabus help in promoting a clean water environment and thus helps a sustainable aquatic environment.
Poultry Science	20UZO5SE3 A	✓				Topics such as composition and nutritive values of egg, roles of egg in human nutrition and economics of poultry keeping etc help enhance professional ethics.
Biochemistry and Biophysics	20UZO6CC13	✓	✓	✓	✓	Water and its functions, the biochemistry of proteins, lipids and carbohydrates, vitamins-their functions deficiency diseases, hormonal mechanisms of nutrients etc are topics that boost professional ethics,

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						human values and environmental sustainability.
Immunology	20UZO6CC14	✓		✓		information on immunity, organs of immune system, antigen and antibody, immune response, immune diseases etc have relevance of professional ethics and human values.
Wildlife Biology	20UZO6DE2 B	✓		✓	✓	The full course on wildlife biology and management promote professional ethics, human values and environmental sustainability.
Commercial Zoology	20UZO4AC7	✓	✓		✓	All five units viz Poultry farming and Vermiculture, apiculture and sericulture, aquaculture, pest and insect vectors and IPM have much relevance to professional ethics, Human values and environmental sustainability.
Biology of Invertebrates	17UZO1C1	✓			✓	The course mainly deals with the life history of lower organisms and their adaptations. Topics such as protozoan and helminth diseases in man, corals and reef conservation have relevance to environmental sustainability.
Practical-II: Biology of Chordates	17UZO2C4 P	✓			✓	The course focuses on life cycle of higher vertebrates and mammals. Identification of poisonous and non - poisonous snakes and [illegible] and

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Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						adaptations of aquatic mammals help boost professional ethics among students.
Animal Physiology	17UZO4C7	✓	✓	✓		Balanced diet, nutritional requirements, homeostasis, human endocrines, hormonal regulations etc are all topics that have relevant to professional ethics, human values and gender perspectives.
Vermiculture Technology	17UZO4N2				✓	Descriptions on Vermiculture technology, the role of earthworms in enriching soil fertility, solid waste management, organic farming, Vermicompost making etc boost environmental sustainability to a greater extent.
Bio. Stat., Bio. Info & Computer App.	17UZO5C9	✓				The entire syllabus focuses on professional ethics. Information concerning statistical sampling, concept of population, biological databases and computer applications in biology, tools of bioinformatics etc have relevance to professional ethics.
Microbiology	17UZO5C11	✓	✓		✓	Applications of microbiology, disinfection, uses of microbes in agriculture, concepts of IPR, Lab biosafety guidelines, microbial diseases etc have rich relevance to environmental sustainability, professional ethics and human values.

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Developmental Biology	17UZO5C12			✓		Topics on concepts of embryology, reproductive cycles, infertility etc have great relevance to gender. Information on test tube babies, embryo transfer, birth control etc have relevance to human values.
Practical-V: Bio. Stat., Gen., MB & DB	17UZO5M1 AP	✓	✓			Mendalian traits in man, karyotypes, pedigree, syndromes etc have relevance to gender and professional ethics.
Water Pollution Management	17UZO5EC1	✓			✓	The entire syllabus help in promoting a clean water environment and thus helps a sustainable aquatic environment.
Biochemistry and Biophysics	17UZO6C13	✓	✓	✓	✓	Water and its functions, the biochemistry of proteins, lipids and carbohydrates, vitamins-their functions deficiency diseases, the metabolism of nutrients etc are topics that boost professional ethics, human values and environmental sustainability.
Immunology	17UZO6C14	✓		✓		Information on immunity, organs of immune system, antigen and antibody, immune response, immune diseases etc have relevance of professional ethics and human values.
Environmental Biology and Evolution	17UZO6C16	✓		✓	✓	Ecology, environment and ecosystem and their impact on organisms, animal relationship, community ecology, natural resources, biodiversity and

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						conservation are all topics concerning promotion of professional ethics, human values and environmental sustainability.
Poultry Science	17UZO6M3 A	✓				Topics such as composition and nutritive values of egg, roles of egg in human nutrition and economics of poultry keeping etc help enhance professional ethics.
Wildlife Biology	17UZO6EC2	✓		✓	✓	The full course on wildlife biology and management promote professional ethics, human values and environmental sustainability.
Commercial Zoology	17UZO4A7	✓	✓		✓	All five units viz Poultry farming and Vermiculture, apiculture and sericulture, aquaculture, pest and insect vectors and IPM have much relevance to professional ethics, Human values and environmental sustainability.

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1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Name of the Programme: M. Sc. Zoology

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
Animal Physiology	20PZO2CC7	✓	✓	✓		Balanced diet, nutritional requirements, homeostasis, human endocrines, hormonal regulations etc are all topics that have relevant to professional ethics, human values and gender perspectives.
Biotechnology	20PZO2DE2	✓		✓	✓	Recombinant DNA technology, animal, industrial and medical biotechnology are the major areas having relevance to professional ethics and human values. The entire unit on environmental biotechnology focuses on environmental sustainability.
Immunology	20PZO3CC10	✓		✓		information on immunity, organs of immune system, antigen and antibody, immune response, immune diseases etc have relevance of professional ethics and human values.
Biostatistics and Bioinformatics	20PZO3CC11	✓				The entire syllabus focuses on professional ethics. Information concerning statistical sampling, concept of population, biological databases and computer applications in biology, tools of bioinformatics etc have relevance to professional ethics.

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1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
General and Applied Entomology	20PZO4CC13	✓		✓	✓	Studies on the general structure and physiology of insects help in improving professional ethics. Agricultural and medical entomology and topics of economic importance of insects boost environmental sustainability.
Microbiology	20PZO4CC14	✓	✓		✓	Applications of microbiology, disinfection, uses of microbes in agriculture, concepts of IPR, Lab biosafety guidelines, microbial diseases etc have rich relevance to environmental sustainability, professional ethics and human values.
Developmental Biology	17PZO1C2			✓		Topics on concepts of embryology, reproductive cycles, infertility etc have great relevance to gender. Information on test tube babies, embryo transfer, birth control etc have relevance to human values.
Animal Physiology	17PZO2C7	✓	✓	✓		Balanced diet, nutritional requirements, homeostasis, human endocrines, hormonal regulations etc are all topics that have relevant to professional ethics, human values and gender perspectives.
Biotechnology	17PZO2CE2	✓		✓	✓	Recombinant DNA technology, animal, industrial and medical biotechnology are the major areas having relevance to professional ethics and human values. The unit on

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Criterion I - Curricular Aspects **1.3 Curriculum Enrichment**

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Course Name	Course Code	Issues Relevant to				Description of the Course
		Professional Ethics	Gender	Human Values	Environment and Sustainability	
						environmental biotechnology focuses on environmental sustainability.
Immunology	17PZO3C10	✓		✓		information on immunity, organs of immune system, antigen and antibody, immune response, immune diseases etc have relevance of professional ethics and human values.
General and Applied Entomology	17PZO4C13	✓		✓	✓	Studies on the general structure and physiology of insects help in improving professional ethics. Agricultural and medical entomology and topics of economic importance of insects boost environmental sustainability.
Microbiology	17PZO4C14	✓	✓		✓	Applications of microbiology, disinfection, uses of microbes in agriculture, concepts of IPR, Lab biosafety guidelines, microbial diseases etc have rich relevance to environmental sustainability, professional ethics and human values.

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