Mewar university

M.Sc. (Ag) Agronomy

PROGRAMME OUTCOMES

PO1 Environment and sustainability In this program student learn about different modern trends in agronomy, crop ecology, crop production and system modeling, crop growth

PO-2 Modern tool usage and A.I. Interested farming systems for sustainable agriculture and advance techniques

PO-3 Production practices: In this program students learn about different kinds of crop production practices, their management as well as their interaction with allied sectors of agriculture.

PO-4 New schemes and subsides: Student can work in Government Sector especially in Agriculture Department and different private sectors viz, pesticide companies, fertilizer companies, seed also in seed production sectors.

PO-5 Diversified farming: Students learn about different cropping (oil seeds, fibers, legumes, cereals etc.) as well as farming system (IFS, organic farming, conservation farming etc.).

PO-6 Modern Concepts : Students learn Learn About modern concepts and principles.

PO-7 Rain harvesting and water store management : In this program students learn about productivity, irrigation management, soil conservation and watershed management,

PO-8 New techniques : It enables the students to attain knowledge on basic principles and modern practices of weed management.

PO-9 Skill development : Enhance the student skill for physiological response of crop plants

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PROGRAMME SPECIFIC OUTCOME

PSO-1 The student will learn the advance knowledge of their particular subjects

PSO-2 They learn about how to conduct research in agriculture field particularly to the field crops.

PSO-3 Students learn about different cropping (oil seeds, fibers, legumes, cereals etc.) as well as farming system (IFS, organic farming, conservation farming etc.)

PSO-4 Their modern concepts and principles.

PSO-5 To provide knowledge on working of cultivation practices of different crops in different field area and its farm implements

PSO-6 To get blended knowledge related to package and practices for the cultivation of different crops growing from ancient to modern agricultural

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M.Sc. (Ag) Agronomy

Course Outcomes

Course: Agro meteorology and crop weather forecasting

CO-1: Apply principles of agro meteorology to analyze and interpret weather patterns and their impact on crop production.

CO-2: Demonstrate proficiency in using weather forecasting tools and techniques to make informed decisions regarding crop management practices.

CO-3: Evaluate and assess the influence of meteorological factors on crop growth, development, and yield.

CO-4: Design and implement effective strategies for minimizing the adverse effects of extreme weather events on agricultural systems.

CO-5: Communicate effectively about crop weather forecasting and agro meteorological concepts to diverse stakeholders, including farmers, agricultural professionals, and policymakers.

Course: Principles and practices of soil fertility and nutrient Management

CO-1: Demonstrate an in-depth knowledge of the principles underlying soil fertility and nutrient management in agricultural systems.

CO-2: Apply various soil testing techniques to assess soil fertility and nutrient levels accurately.

CO-3: Analyze and interpret soil test results to formulate appropriate nutrient management strategies for different crops and cropping systems

. **CO-4**: Design and implement effective nutrient management plans considering the specific requirements of different crops and soil types.

CO-5: Evaluate the environmental and economic implications of different nutrient management practices and propose sustainable approaches for soil fertility improvement.

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Course. Modern concepts in crop production

CO-1: Identify and analyze modern concepts in crop production, including advanced techniques, technologies, and practices employed in the field of agriculture.

CO-2: Evaluate the impact of modern concepts in crop production on crop yield, quality, and sustainability, considering factors such as climate change, resource management, and environmental protection.

CO-3: Apply theoretical knowledge and practical skills acquired in the study of modern concepts in crop production to effectively manage crop production systems, including crop selection, cultivation, pest and disease control, and post-harvest management.

CO-4: Critically assess and integrate various innovative approaches and tools used in modern crop production, such as precision farming, hydroponics, genetic engineering, and biotechnology, to optimize crop productivity and enhance agricultural efficiency.

CO-5: Design and implement research-based projects or experiments to explore and develop novel strategies in crop production, addressing challenges and opportunities in the field, and contributing to the advancement of sustainable agricultural practices.

Course: Principles and practices of weed management

CO-1: Identify the various weed species prevalent in agricultural systems and their characteristics, including growth habits, reproductive strategies, and competitive abilities.

CO-2: Evaluate the principles and techniques of weed management, including preventive, cultural, biological, and chemical methods, in order to develop effective strategies for weed control.

CO-3: Analyze the environmental and economic implications of different weed management approaches, considering factors such as sustainability, crop productivity, and resource conservation.

CO-4: Apply integrated weed management strategies, incorporating a combination of cultural, mechanical, and chemical control measures, to mitigate weed infestation and minimize the impact on crop yield.

CO-5: Critically assess emerging trends and technologies in weed management, such as precision agriculture, remote sensing, and weed mapping, to enhance decision-making processes and optimize resource utilization in agricultural systems.

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Course: Cropping systems and sustainable agriculture

CO-1: Apply knowledge of cropping systems and sustainable agriculture practices to analyze and evaluate the efficiency and productivity of different agricultural systems.

CO-2: Demonstrate an understanding of the principles and techniques involved in crop selection, cultivation, and management, with an emphasis on sustainability and environmental conservation.

CO-3: Assess the impact of cropping systems on soil health, water resources, and biodiversity, and propose strategies to mitigate negative effects and promote sustainable agricultural practices.

CO-4: Utilize advanced agricultural technologies and tools to optimize crop production, resource utilization, and pest and disease management in a sustainable manner.

CO-5: Analyze and interpret data related to cropping systems and sustainable agriculture, and effectively communicate findings and recommendations to stakeholders, fostering collaboration and informed decision-making in agricultural development

Course: Cropping systems and sustainable agriculture

CO-1: Analyze and evaluate various cropping systems used in sustainable agriculture, considering factors such as climate, soil conditions, and resource availability.

CO-2: Apply knowledge of cropping systems to design and implement sustainable agricultural practices that optimize productivity while minimizing environmental impacts.

CO-3: Assess the economic viability of different cropping systems, considering market trends, production costs, and potential returns on investment.

CO-4: Demonstrate an understanding of the principles and techniques of integrated pest management (IPM) and utilize them in crop production to minimize the use of chemical pesticides.

CO-5: Evaluate and propose strategies for soil and water conservation in cropping systems to enhance long-term sustainability and mitigate the effects of soil erosion and water scarcity.

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Course: Principles and practices of water management

CO-1: Demonstrate knowledge of the principles and theories underlying water management practices in agricultural systems

. **CO-2:** Apply critical thinking skills to analyze the impact of water management strategies on agricultural productivity and sustainability

. **CO-3:** Evaluate and implement appropriate techniques and technologies for efficient water use in agricultural practices.

CO-4: Develop comprehensive plans for water resource management in agricultural settings, taking into consideration environmental, social, and economic factors.

CO-5: Communicate effectively and collaborate with stakeholders to promote the adoption of sustainable water management practices in the agricultural sector

Course : Agronomy of major cereals and pulses

CO-1: Identify and analyze the key agronomic practices required for the successful cultivation of major cereals and pulses.

CO-2: Apply knowledge of crop physiology, soil management, and pest and disease control to optimize the production of major cereals and pulses.

CO-3: Evaluate the impact of environmental factors, such as climate and water availability, on the growth and yield of major cereals and pulses, and propose appropriate mitigation strategies.

CO-4: Demonstrate proficiency in the selection and application of appropriate agronomic techniques and technologies for improving the productivity and quality of major cereals and pulses.

CO-5: Design and implement integrated crop management plans for major cereals and pulses, taking into account sustainable agricultural practices, economic considerations, and market demands

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Course : Experimental designs

CO-1: Analyze and evaluate the principles and concepts of experimental designs in agriculture, including randomization, replication, and blocking techniques.

CO-2: Apply statistical tools and techniques to design and conduct agricultural experiments, including determining appropriate sample sizes, selecting experimental units, and implementing data collection protocols.

CO-3: Interpret and critically analyze experimental data using statistical software and methods to draw meaningful conclusions and make informed recommendations for agricultural research and practice.

CO-4: Demonstrate proficiency in planning, executing, and managing experimental projects in agriculture, including identifying research objectives, formulating hypotheses, and designing appropriate experimental treatments.

CO-5: Communicate experimental designs, findings, and interpretations effectively through written reports, presentations, and discussions, demonstrating scientific rigor and clarity in the field of agricultural research.

Course: Statistical methods

CO-1: Apply foundational statistical concepts and principles to analyze agricultural data effectively.

CO-2: Evaluate and select appropriate statistical techniques for designing agricultural experiments and surveys.

CO-3: Analyze and interpret agricultural data using statistical software and tools to make informed decisions and draw valid conclusions.

CO-4: Communicate statistical findings and results effectively through written reports and oral presentations to diverse audiences in the field of agriculture.

CO-5: Critically evaluate research studies and publications that utilize statistical methods in the context of agricultural sciences.

Mewar University
B.Sc. (Hons) Agriculture

PROGRAMME OUTCOMES

PO – 1: Professional Knowledge: Apply the fundamentals and practical knowledge to solve the agricultural problems.

PO – 2: Problem analysis: Use professional knowledge they identify, formulate and analyze complex problems reaching substantiated conclusions.

PO – 3: Design/development of solutions: Design and diagnosis solutions for complex problems or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO – 4: Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO – 5: Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern technology and IT tools including prediction and modeling to complex agriculture activities with an understanding of the limitations

PO – 6: Environment and sustainability: Understand the impact of climate change and GHG's on environmental sustainability, demonstrate the knowledge and need for sustainable development of the Earth

PO – 7: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms.

PO – 8: Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams and/or multidisciplinary professionals.

PO – 9: Communication: Communicate effectively with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO – 10: Project management and finance: To provide a deep understanding of educational research and be competent to carry out independent need-based quality field researches

PO – 11: Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

B.Sc. (Hons) Agriculture

PROGRAMME SPECIFIC OUTCOME

PSO-1. To provide knowledge from ancient to modern agricultural practices

PSO-2. To impart in-depth practical knowledge in crop cultivation practices

PSO-3 To give detailed knowledge about agri-allied sectors

PSO-4 To provide knowledge on working of different farm implements

PSO-5 To serve the rural agricultural population

Mewar University
B.Sc. (Hons) Agriculture

COURSEOUTCOME

Course: Fundamentals of Horticulture

CO 1.   Demonstrate foundational knowledge of horticulture principles and practices: Students will be able to explain the fundamental concepts, theories, and techniques in horticulture, including plant anatomy, physiology, growth and development, propagation methods, and pest management.

CO 2.   Apply horticultural techniques to cultivate and maintain plants: Students will acquire practical skills in planting, watering, fertilizing, pruning, and caring for various types of plants, including flowers, vegetables, fruits, and ornamental plants. They will be able to apply appropriate techniques to promote healthy growth and optimize plant performance.

CO 3.   Identify common plant species and their characteristics: Students will develop the ability to identify a wide range of plant species commonly encountered in horticulture, including their botanical names, morphological features, and growth requirements. They will gain knowledge of different plant families and their distinguishing characteristics.

CO 4.   Analyze and assess environmental factors impacting horticultural practices: Students will be able to evaluate the impact of environmental factors such as temperature, light, soil composition, and water availability on plant growth and development. They will develop an understanding of how to manipulate these factors to optimize plant health and productivity.

CO 5.   Demonstrate effective communication and problem-solving skills in

horticulture: Students will acquire strong communication skills to effectively convey horticultural information, such as writing reports, delivering presentations, and engaging in discussions. They will also develop problem-solving abilities to identify and address horticultural challenges, such as plant diseases, nutrient deficiencies, and environmental stressors.

Course: Fundamentals of Plant Biochemistry and Biotechnology

CO 1.   Identify the principles of plant biochemistry: Students will develop a comprehensive understanding of the fundamental biochemical processes and pathways that occur in plants, including photosynthesis, respiration, metabolism, and biosynthesis of primary and secondary metabolites.

CO 2.   Apply techniques in plant molecular biology: Students will gain practical skills in basic techniques of plant molecular biology, such as DNA extraction, PCR amplification, gene cloning, gene expression analysis, and genetic transformation, enabling them to manipulate and study plant genes and their functions.

CO 3.   Analyze and interpret plant biochemical data: Students will be able to analyze and interpret data obtained from various biochemical assays and experiments, such as enzyme activity assays, chromatography, spectrophotometry, and gel electrophoresis, to evaluate plant metabolic pathways and physiological processes.

CO 4.   Explore the applications of biotechnology in plant improvement: Students will explore the applications of biotechnology in plant improvement, including genetic engineering, marker-assisted selection, and tissue culture techniques, and understand their potential for enhancing plant
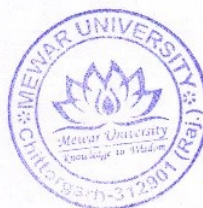
traits such as disease resistance, abiotic stress tolerance, and yield.

CO 5. Critically evaluate ethical and societal implications of plant biotechnology: Students will develop critical thinking skills to evaluate the ethical, social, and environmental implications associated with the use of plant biotechnology, including genetically modified organisms (GMOs), and assess the benefits and risks associated with their deployment in agriculture and industry.

Course: Fundamentals of Soil Science

CO 1. Apply the processes of soil formation and classification, enabling students to identify and classify different soil types based on their origin and unique properties.

CO 2. Identify the physical properties of soil, including texture, structure, and density, allowing students to assess soil fertility, water holding capacity, and erosion potential.

CO 3. Identify the chemical properties of soil and nutrient cycling, equipping students with the knowledge to evaluate soil pH, nutrient availability, and the vital role of microorganisms in nutrient transformations.

CO 4. Apply the biology and microorganisms present in soil, enabling students to recognize the importance of soil organisms in nutrient cycling, organic matter decomposition, and overall soil health.

CO 5. Annales sustainable soil management and conservation practices, empowering students to implement soil erosion control, fertility management, and soil and water conservation techniques to promote long-term soil health and productivity.

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Course: Introduction to Forestry

CO 1.   Develop a comprehensive understanding of the principles, practices, and significance of forestry as a field of study and profession.

CO 2.   Identify and classify different types of forest ecosystems based on their geographical distribution, dominant tree species, and ecological characteristics.

CO 3.   Comprehend the ecological dynamics and processes that occur in forest ecosystems, including forest succession, nutrient cycling, and the interrelationships between trees, plants, animals, and their environment.

CO 4.   Acquire knowledge and skills in forest inventory and measurement techniques, including assessing tree and stand characteristics such as age, height, diameter, volume, and biomass.

CO 5.   Apply the principles and practices of forest management, including timber harvesting, reforestation, wildlife management, and measures for protecting forests against pests, diseases, and wildfires.

Course: Comprehension & Communication Skills in English

CO 1.   Develop strong reading comprehension skills: Students will improve their ability to comprehend written English texts across a range of genres, including literary works, articles, and academic materials. They will learn strategies for effective reading, such as identifying main ideas, making inferences, and analyzing text structure.

CO 2.   Enhance listening comprehension skills: Students will develop their listening comprehension skills through exposure to a variety of audio materials, including conversations, lectures, interviews, and presentations. They will learn to understand spoken English in different contexts and

learn and practice various yoga postures, breathing exercises, and mindfulness techniques. They will develop skills to manage stress, improve concentration, enhance self-awareness, and promote mental and emotional well-being.

2ⁿᵈ semester

Course: Fundamentals of Genetics

CO 1. Analyze genetic principles: Students will analyze and apply the fundamental principles of genetics, including inheritance patterns, genetic variation, gene expression, and genetic interactions. They will develop the ability to interpret and explain genetic phenomena.

CO 2. Apply genetic problem-solving skills: Students will apply genetic problem-solving skills to solve genetic crosses, pedigree analysis, and genetic inheritance problems. They will develop proficiency in using genetic tools and techniques to analyze and interpret genetic data.

CO 3. Evaluate genetic information: Students will critically evaluate genetic information from various sources, including scientific literature, research papers, and genetic databases. They will assess the validity and reliability of genetic data and draw evidence-based conclusions.

CO 4. Apply genetic principles to real-world applications: Students will apply genetic principles to real-world applications, such as genetic engineering, biotechnology, genetic counseling, and personalized medicine. They will understand the ethical, social, and legal implications of genetic technologies.

CO 5. Communicate genetic concepts effectively: Students will develop

effective communication skills to convey genetic concepts and information to different audiences. They will be able to explain complex genetic concepts in a clear and concise manner, using appropriate scientific terminology.

Course: Agricultural Microbiology

CO 1.   Apply microbiological principles to agricultural systems: Students will be able to apply microbiological principles to understand the role of microorganisms in agriculture. They will learn about the interactions between microorganisms and plants, animals, and soil, and how these interactions influence agricultural productivity.

CO 2.   Identify and classify beneficial and harmful microorganisms: Students will develop the ability to identify and classify microorganisms relevant to agriculture. They will learn to distinguish between beneficial microorganisms, such as nitrogen-fixing bacteria and mycorrhizal fungi, and harmful microorganisms, such as plant pathogens and spoilage organisms.

CO 3.   Apply the role of microorganisms in nutrient cycling and soil fertility: Students will gain an understanding of the role of microorganisms in nutrient cycling and soil fertility. They will learn about microbial processes, such as nitrogen fixation, mineralization, and decomposition, and how these processes contribute to the availability of nutrients for plants.

CO 4.   Apply microbial techniques in agriculture: Students will acquire practical skills in using microbial techniques in agricultural applications. They will learn about microbial inoculants, biofertilizers, and biocontrol agents and understand how to apply them for improved plant health, nutrient management, and pest control.

accents, improving their ability to follow and comprehend oral communication.

CO 3. **Improve verbal communication skills:** Students will enhance their ability to express themselves verbally in English. They will practice speaking fluently, using appropriate vocabulary, grammar, and pronunciation. They will also develop their ability to engage in conversations, participate in discussions, and deliver presentations with clarity and coherence.

CO 4. **Enhance writing skills:** Students will improve their writing skills by learning various writing techniques and strategies. They will focus on organizing ideas, constructing coherent paragraphs and essays, and using appropriate grammar, vocabulary, and punctuation. They will also develop critical thinking skills through analyzing and responding to different types of written prompts.

CO 5. **Develop effective communication strategies:** Students will acquire effective communication strategies to express their thoughts and ideas in English. They will learn techniques for active listening, paraphrasing, and asking questions to clarify information. They will also develop their intercultural communication skills, understanding the impact of cultural differences on communication and adapting their language and behavior accordingly.

Course: Fundamentals of Agronomy

CO 1. Apply the principles of crop production: Students will develop a comprehensive understanding of the principles and practices of crop production, including crop growth and development, crop ecology, and the factors influencing crop yield and quality.

CO 2. Apply crop management techniques: Students will acquire practical skills in various crop management techniques, such as land preparation, planting, irrigation, fertilization, weed control, pest management, and harvesting. They will learn to apply these techniques based on crop-specific requirements and environmental considerations.

CO 3. Evaluate soil fertility and nutrient management: Students will learn to assess soil fertility through soil sampling and analysis. They will understand the role of essential nutrients for plant growth and develop skills in nutrient management, including fertilizer application, nutrient deficiency diagnosis, and soil amendment recommendations.

CO 4. Apply crop protection measures: Students will gain knowledge of crop protection measures, including the identification and management of pests, diseases, and weeds. They will learn about integrated pest management (IPM) strategies, cultural practices, and the responsible use of pesticides to minimize environmental impact.

CO 5. Explore sustainable agricultural practices: Students will be introduced to the principles of sustainable agriculture and agroecology. They will understand the importance of conserving natural resources, promoting biodiversity, and implementing practices that minimize soil erosion, water pollution, and greenhouse gas emission

Course: Fundamentals of Agronomy

CO 1.   Apply the principles of crop production: Students will develop a comprehensive understanding of the principles and practices of crop production, including crop growth and development, crop ecology, and the and function, genetics, evolution, ecology, and the unity and diversity of life.

CO 2.   Apply scientific inquiry and critical thinking skills: Students will develop skills in scientific inquiry and critical thinking, including formulating hypotheses, designing and conducting experiments, analyzing data, and drawing evidence-based conclusions. They will learn to approach biological questions with a scientific mindset.

CO 3.   Identify the structure and function of living organisms: Students will explore the structure and function of living organisms at different levels of organization, from molecules and cells to organisms and ecosystems. They will learn about cellular processes, organismal systems, and the interdependencies of organisms in their environment.

CO 4.   Comprehend the principles of genetics and inheritance: Students will gain knowledge of the principles of genetics, including Mendelian genetics, molecular genetics, and inheritance patterns. They will understand how genetic information is transmitted, how traits are inherited, and how genetic variations contribute to the diversity of life.

CO 5.   Explore the interconnectedness of life and its impact on the environment: Students will understand the interconnectedness of living organisms and their environment. They will explore ecological principles, such as population Dynamics, community interactions, and the flow of energy and matter in ecosystems. They will also examine the impact of

human activities on ecosystems and the importance of conservation and sustainability.

Course: Introductory Elementary Mathematics

CO 1. Develop a foundational understanding of fundamental mathematical concepts: Students will gain a comprehensive understanding of fundamental mathematical concepts, including numbers and operations, algebraic thinking, geometry, measurement, and data analysis. They will become familiar with the basic principles and terminology of elementary mathematics.

CO 2. Apply mathematical problem-solving skills: Students will develop problem-solving skills by applying mathematical concepts to solve a variety of real-life problems. They will learn to analyze problems, identify relevant information, and select appropriate strategies and operations to arrive at solutions.

CO 3. Demonstrate proficiency in basic arithmetic operations: Students will achieve proficiency in basic arithmetic operations, including addition, subtraction, multiplication, and division. They will develop computational fluency and accuracy, as well as mental math skills.

CO 4. Apply mathematical relationships and patterns: Students will explore mathematical relationships and patterns, including numerical patterns, geometric patterns, and functional relationships. They will develop the ability to identify, describe, and extend patterns, as well as make predictions based on them.

**CO 5.** Apply mathematical reasoning and communication skills: Students

will develop mathematical reasoning and communication skills. They will learn to justify their mathematical thinking, articulate their problem-solving strategies, and effectively communicate mathematical ideas and concepts using appropriate mathematical language and notation.

Course: Rural Sociology & Educational Psychology

CO 1. Understand the concepts and theories of rural sociology: Students will develop a comprehensive understanding of the concepts, theories, and principles of rural sociology. They will explore the social structure, dynamics, and processes in rural communities, including topics such as rural-urban migration, social stratification, community development, and social change in rural areas.

CO 2. Analyze the social issues and challenges in rural communities: Students will learn to analyze and critically evaluate the social issues and challenges faced by rural communities. They will examine factors such as poverty, agricultural practices, rural education, healthcare, and the impact of globalization on rural societies.

CO 3. Explore the relationship between rural sociology and education: Students will explore the interconnection between rural sociology and education. They will examine the social, cultural, and economic factors influencing educational practices in rural areas, including access to education, quality of education, educational disparities, and the role of education in rural development.

CO 4. Apply the basics of educational psychology: Students will develop a foundational understanding of the principles and theories of educational psychology. They will explore topics such as human development, learning
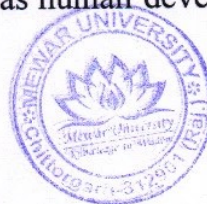
theories, motivation, cognition, assessment, and classroom management, with a specific focus on the rural educational context.

CO 5. Apply psychological principles in the rural educational setting: Students will learn to apply psychological principles and theories to address the unique challenges and needs of learners in rural settings. They will develop strategies to enhance learning, promote student engagement, and create supportive and inclusive learning environments in rural schools.

Course: Human Values & Ethics

CO 1. Recognize ethical dilemmas: Students will develop the ability to identify and recognize ethical dilemmas that arise in various personal, professional, and societal contexts. They will become adept at identifying conflicting values and ethical considerations in complex situations.

CO 2. Analyze ethical frameworks: Students will learn to analyze and evaluate different ethical frameworks and theories that guide moral decision-making. They will understand the principles of consequentialism, deontology, virtue ethics, and other ethical perspectives.

CO 3. Apply ethical reasoning: Students will develop the skills to apply ethical reasoning and critical thinking to ethical issues. They will learn to analyze ethical problems from multiple perspectives, consider the potential consequences of different actions, and make informed ethical judgments.

CO 4. Cultivate moral values: Students will explore and cultivate moral values such as honesty, integrity, empathy, compassion, fairness, and social responsibility. They will develop an understanding of the importance of ethical conduct and character development in personal and professional life.

CO 5. Engage in ethical decision-making: Students will gain practical
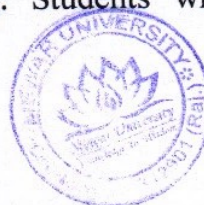
experience in ethical decision-making. They will learn decision-making models and processes that consider ethical implications, weigh conflicting values, and make ethically sound choices in various contexts

Course: NSS/NCC /Physical Education & Yoga Practices

CO 1. Develop physical fitness and well-being: Students will engage in physical activities, exercises, and yoga practices to improve their overall physical fitness and well-being. They will enhance their strength, flexibility, endurance, and coordination, promoting a healthy and active lifestyle.

CO 2. Enhance leadership and teamwork skills: Students participating in NSS (National Service Scheme) or NCC (National Cadet Corps) will develop leadership and teamwork skills through various community service activities and training exercises. They will learn to collaborate effectively, take responsibility, and contribute to the betterment of society.

CO 3. Foster social responsibility and community engagement: Students will cultivate a sense of social responsibility and civic engagement through participation in NSS or NCC activities. They will understand the importance of community service, volunteerism, and contributing to the welfare of society.

CO 4. Develop knowledge and understanding of physical education principles: Students will gain knowledge and understanding of the principles of physical education, including the importance of regular exercise, healthy lifestyle habits, and the role of physical activity in maintaining physical and mental well-being.

CO 5. Acquire yoga practices and mindfulness techniques: Students will