

Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum Upload a description in maximum of 500 words File Description (Upload)			
List and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.			
Sl.No	Department	Course	Issues Addressed
1	Botany	Environmental Biology and Ethnobotany	This course is included in semester V of Botany Undergraduate syllabus to impart the knowledge of environment. The course include the concept of biosphere, nature of environment and various environmental factors, biological diversity, biogeochemical cycles, green house effect, conservation of natural resources, ozone layer depletion etc. The course also teaches about the environmental laws and acts, IPR, patent etc. The paper was meticulously designed to provide basic but thorough knowledge of environmental studies.
2	Education	II Semester Paper II	1. Gender Equality 2. Human Rights Education 3. Peace Education
		IV Semester Paper IV	1. Sex Education 2. Population Education 3. Value Education 4. Socially Useful Productive Work
3	History	Hist/II/EC/02:History of Mizoram (Upto 1960s) (Sem I)	Women's Education
		Hist/II/EC/03:History of India (Gupta to Sultanate periods) (Sem II)	Women's social position
		Hist/IV/EC/04:History of the Mughals (Sem IV)	Society & Economy: Status of Women
		Hist/IV/EC/07:Early Modern Europe (Sem V)	The Scientific Revolution and The Enlightenment: Gender
		Hist/IV/EC/09:Modern World History (Sem VI)	Imperialism and Colonialism (1870-1914)/ Modern Industry and Mass Politics(1870-1914):Suffrage and Women's movement
		Modern World History (Sem VI)	The First World War and the Turmoil between The Two World Wars: Women in the War
		Hist/IV/EC/10:Contemporary World (Sem VI)	The End of the Cold War(1960-1990):Politics, Society,and Culture: gender roles and sexual revolution
4	Sociology	Paper I (Introduction to Sociology)	Professional Ethics
		Paper II Unit 2 (Marriage) &Unit 3 (Family)	Human Values
		Paper II, Unit 4 (Production system and consumption pattern)	Environment
		Paper III Unit I (Forces of Unity, Integration, Multiculturalism)	Human Values
		Paper IV Unit 3(perspectives on Untouchability)& 5(Communalism)	Human Values
		Paper V (Environmental Movement)	Environment
		Paper V (Progress Development & Change, Liberalisation policy)	Sustainability
		Paper VII (Objectivity & Ethical neutrality)	Professional Ethics
		Paper VIII(A) Unit V(Industrial worker - Major types, Roles, Management of workers)	Professional Ethics
		Paper IX, Unit 3 (Protestant Ethics & the Spirit of Capitalism)	Professional Ethics
		Paper X, Unit 5 (Rural Development Programmes)	Sustainability
		Paper XI, Unit 4 (Drug Addiction, Prostitution, Juvenile Delinquency, Human trafficking, Slums, Overcrowding)	Human Values
		Paper XI, Unit 3 (Urban neighbourhood) Unit 5 (Urban planning)	Environment
		Paper XI, Unit 5 (Urban Development Programmes & Role of Municipalities)	Sustainability

		Paper XII(A) Unit 1 (Introduction of Gender)	Gender
		Unit II (Social Construction of Gender), Unit III (Status of Women in India)	Gender
		Unit IV (Status of womwn in India), Unit V (Gender and Women problems)	Gender
5	Mizo (PG) I Semester	MIZ/1/FC/02 Environment and Mizos	
		Unit I: 1.Mizote nunphung, vantlang sukthlek, ei leh bar zawn dan hrang hrangte	Mizo and social, physical environment relationship
		2.Van boruak lam thil leh Mizote arsi hriat dan leh an nun nena inzawm dan	Mizo traditional believe and sayings in artronomy
		Unit II: 1.Sik leh sa, thing leh mau, ram leilungin rilru leh ngaihtuahna a nghawng dan, lui pawimawh bik	Man environment relationship, artist and environment relationship,
		2.Chhehvel, environment humhalh pawimawhna leh hemi kawnga thu leh hla hrang hrangte	Importance of environment, and writings on environmental preservation
6	Mizo (PG) III Semester	MIZ/4/SC/24(A) Mizo Hmeichhiate Thu Leh Hla	
		Unit I: 1.Hmeichhiate thu leh hla thlirna (Lecture on Women's Writings)	Women's contribution in Mizo literature and common things in women's writing
		Unit II: 1.H. Lalngurliani, Zorinpari (Novel)	Writer's representation of women in Mizo literature
		Unit III: 1.Khawlkungi, A va paw tak em & Hmeichhe hmasawwna (Drama)	Role of women in Mizo society and family
		Unit IV: 1.Buangi Sailo, Lunglen zun a zam e (Selecter chapters/essays)	Mizo women writer
7	Management	<b>BBA/1/CC/02: Fundamentals of Management &amp; Organizational Behaviour</b> Unit 4: Behavioural Dynamics: Individual determinants of Org. Behaviour: Perceptions, Personality, Attitudes and Values, Motivation, Job Anxiety and Stress, Analysis of Inter Personal Relations, Group Dynamics Management of Conflicts, Leadership Styles	Professional Ethics
		<b>BBA/2/EC/8 (B) : Ethics and Corporate Social Responsibility</b> Unit 1: Need for Ethical Decisions by Managers, Value of Management Ethics Management Integrity, Ethical Planning	Professional Ethics
		<b>BBA/2/EC/8 (B) : Ethics and Corporate Social Responsibility</b> Unit 2: Social Responsibility of Business and its Tools Social Responsibilities of Indian Firms towards Share Holders, Consumers, Government and Communities	Human Values
		<b>BBA/3/CC/11: Foundations of Human Resource Management</b> Unit 2: Talent Acquisitions, Recruitment , Employee Leasing, Outplacement	Professional Ethics

		Unit 3: Career Management, Workforce Training, Designing and Administering of employees, Executive Development programmes <b>BBA/3/CC/11: Foundations of Human Resource Management</b> Unit 4: Employees Benefit Plans, Employee Health and Safety, Labour Relations	Human Values
8	English	<b>ENG/V/CC/6: Women's Writings</b>	The course covers women's issues pertaining to race, nationality and identity making the students aware of gender politics and challenges.
9	Geology	Environmental Geology-XXIII	Environmental Geology Course deals with the study of
			1. The general idea about the composition and components of different environmental domains.
			2. the types and components of atmosphere, hydrosphere and biosphere
			3. The weather, climates and their relation with paleoclimates.
			4. The origin, causes, classification, preventive and mitigation measures of different types of hazards
			5. Heat balance, global climatic changes, concepts and impacts of monsoonal changes.
10	Environmental Science	Course-IX/EVS 501: Biodiversity and Sustainable Development	This course has been designed with the objective of fostering the spirit of environmental conservation in the young students. The course curriculum includes pertinent topics on environment sustainability like biodiversity and its conservation. Moreover, this course has special sections on plant, animal, and microbial diversity that discusses in detail about their conservation status, function in the habitat, and distribution. This course also stresses on the issue of "sustainable development" by educating the students on the concept of sustainable development, important conferences on environment sustainability, world commission on environment and development, as well as the connection between water and energy crisis with environment conservation.
		Course XXIII/EVS 607: Environmental Management and Protection	The Environment Management and protection course delivers detailed information on the latest management protocols in the area of environmental science. This course offers basic awareness on environment protection policies like Earth summit, convention on bio-diversity, Kyoto protocol, etc. Apart from these, the students are taught about the important role of environment protection agencies like United Nation Environment Program, Man and Biosphere Program, International Union for Conservation of Nature, etc. Finally, this course elaborates on the necessity of environmental education as a significant tool in both formal and non-formal education sectors.

11	Biotechnology	Environmental Biotechnology, Vth Semester (Optional) BT-VIII A	Fossil fuels have been the primary energy source for society since the Industrial Revolution. They provide the raw material for the manufacture of many everyday products that we take for granted, including pharmaceuticals, food and drink, materials, plastics and personal care. However, as the 21st century progresses, we need a solutions to manufacture chemicals that are smarter, more predictable and more sustainable. Industrial biotechnology is changing how we manufacture chemicals and materials and provide us with a source of renewable energy. It is at the core of sustainable manufacturing processes and an attractive alternative to traditional manufacturing technologies to commercially advance and transform priority industrial sectors yielding more viable solutions for our environment in the form of new chemicals, new materials and bioenergy. This paper covers the enabling technologies that underpin biotechnology research, including enzyme discovery and engineering, systems and synthetic biology and biochemical and process engineering. Most of the syllabus under this paper delivered through lectures to ensure that a student have a solid foundation in these key areas. We also consider the wider issues involved in sustainable manufacturing, including responsible research innovation and bioethics. In Unit-3 and 5, a deeper undertsanding of the paper giving a snapshot of how these technologies translate into real-world applications which benefit society and impact our everyday lives. There are few points we would like to mention about this paper: 1. The paper helping students in understanding enzymatic function and catalysis. 2. Explain the technologies and methodologies underpinning systems and synthetic biology. 3. Explain the diversity of synthetic biology application and discuss the different ethical and regulatory/governance challenges in this research. 4. Understand the principles and role of bioprocessing and biochemical engineering in industrial biotechnology. 5. Have an informed discussion of the key enabling technologies underpinning research in industrial biotechnology 6. Give examples of industrial biotechnology products and processes and their application in healthcare, agriculture, fine chemicals, energy and the environment.
		IPR & Biopiracy, Vth Semester (Optional) BT- XVC	This course presents the introduction and importance of Intellectual property right, patents, Plagiarism, Indian patent laws, biodiversity act, Biotechnology and international treaties, introduction to bio-piracy. Goals: To make the students aware of their rights to protect their finding and motivate to filling patents of their findings. To make student aware of international and Indian laws of patents, IPR and biodiversity conservation, bio-piracy, and technology transfer. One successful completion of this course student will aware of Plagiarism, patents laws, Intellectual property right, Indian and International patent laws, biodiversity act and bio-piracy.
		Medical biotechnology, VIth Semester (Optional), BT-XIII B	This paper in BSc BIOTECHNOLGY vi semester covers various aspects of medical biotechnology for the managment of various diseases in human. This paper includes topics related to application of modern techology for therapeutic intervention. Particularly, Unit 5 of this paper teach students the social and ectical issues related to implimentation of modern tech for the managment of various diseases.
12	Public Administration	Paper IV Unit IV: Conduct and Discipline – Meaning and Significance; Conduct Rules; Disciplinary Procedure; Rights of Civil Servants	Professional Ethics
		Paper VIII Unit II- Juvenile Delinquency, Drug Addiction, Problems of the Aged	Human Values