



Global Group of Institutes

(Approved by AICTE, PCI and Affiliated to IKGPTU, Jalandhar)

SUPPORTING DOCUMENTS

1.3 Curriculum Enrichment

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

1.3.1 List of courses that address Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.

Sr. No.	Name of	Program Code	Programme Specialization	COURSE NAME AND	VALUE ADDRE	COURSE OUTCOMES	LINK OF COURSE
1	Engg. & Technology	B.TECH (CSE/ECE/IT)	Computer Science Engineering/ Electronics and Comm. Engg/ Information Technology	Development of Societies (HSMC 101-18)	Human Values	Students will develop strong natural familiarity with humanities and the proper understanding, enabling them to eliminate conflict and strife in individuals and society. Students shall be able to relate philosophy to literature, culture, society and lived experience can be considered.	https://ptu.ac.in/wp-content/uploads/2021/05/SchemeSyllabus-B.techCSE2018-complete.pdf
2	Engg. & Technology	B.TECH (CSE/IT)	Computer Science Engineering/ Information Technology	Philosophy	Professional Ethics	Students will develop strong natural familiarity with humanities and the proper understanding, enabling them to eliminate conflict and strife in individuals and society. Students shall be able to relate philosophy to literature, culture, society and lived experience can be considered.	https://ptu.ac.in/wp-content/uploads/2021/05/SchemeSyllabus-B.techCSE2018-complete.pdf
3	Engg. & Technology	B.TECH (CSE/ECE/IT)	Computer Science Engineering/ Electronics and Comm. Engg/ Information Technology	Universal Human Values 2 (HSMC 122-18)	Human Values	By the end of the course, students are expected to become more aware of themselves and their surroundings (family, society, nature); they would become more responsible in life and handle problems with sustainable solutions while keeping human relationships and human relationships character in mind. They would have the better critical ability. They would also become sensitive to their commitment to understanding (human values, relationships, and society). It is hoped that they would be able to apply what they have learnt to themselves in different day-to-day settings in real life; at least a beginning would be made in this direction.	https://ptu.ac.in/wp-content/uploads/2021/05/SchemeSyllabus-B.techCSE2018-complete.pdf
4	Engg. & Technology	B.TECH (CSE/IT/ME/E/CE)	Computer Science Engineering/ Electronics and Comm. Engg/ Information Technology/ Mechanical Engg/ Civil Engg.	Environmental Sciences (EVSC 101-18)	Environment	Students should be able to: 1. Measure environmental variables and interpret results 2. Evaluate local, regional and global ecological topics related to resource use and management 3. Propose solutions to environmental problems related to resource use and management 4. Interpret the results of scientific studies of environmental issues 5. Describe threats to global biodiversity, their implications and potential solutions.	https://ptu.ac.in/wp-content/uploads/2021/05/SchemeSyllabus-B.techCSE2018-complete.pdf
5	Engg. & Technology	B.TECH (CSE/IT)	Computer Science Engineering/ Information Technology	Constitution of India/ Essence of Indian Traditional Knowledge(MC)	Professional Ethics	Students will develop a sound understanding of India's Constitution and how to adhere to its guidelines by all residents.	https://ptu.ac.in/wp-content/uploads/2021/05/SchemeSyllabus-B.techCSE2018-
6	Engg. & Technology	B.TECH (ECE/CE)	Electronics and Comm. Engg/ Civil Engg.	Indian Constitution(Mandatory Course)(BTMC 101-18)	Professional Ethics	After completing the course, students will understand the different dimensions of the Indian Political System. They will be aware of their duties towards their fellow citizens.	https://ptu.ac.in/wp-content/uploads/2021/08/New_Final_B.pdf
7	Engg. & Technology	B.TECH (ME)	Mecahnical Engineering	Essence of Indian Traditional Knowledge(Mandatory Course) (BTMC 102-18)	Professional Ethics	Ability to understand, connect up, and explain the basics of Indian traditional knowledge from a modern scientific perspective.	https://ptu.ac.in/wp-content/uploads/2021/08/New_Final_B.pdf

8	Engg. & Technology	B.TECH (CE)	Civil Engineering	Hydrology & Water Resources(BTCE 403-18)	Environment	At the end of the course, students must be able to: 1. Understand the interaction among various processes in the hydrologic cycle. 2 Calculate the average annual rainfall of any area using the rain gauge data and inter-relations of multiple parameters as infiltration, evapotranspiration. 3 Understand the various components of hydrographs and estimate the runoff.	https://ptu.ac.in/wp-content/uploads/2021/08/final-Btech-CE-3-8-affiliated-colleges.pdf
9	Engg. & Technology	B.TECH (CE)	Civil Engineering	Disaster Preparedness & Planning(BTCE 405-18)	Environment & Sustainability	After completing this course, the student must demonstrate the knowledge and ability: 1. Identify various types of disasters, their causes, effects & mitigation measures. 2. Demonstrate understanding of various phases of the disaster management cycle and create vulnerability and risk maps. 3. Understand the use of an emergency management system to tackle the problems. 4. Discuss the role of media, various agencies and organizations for effective disaster management. 5. Design an early warning system and understand the utilization of advanced technologies in disaster management. 6. Compare different models for disaster management and plan & design of infrastructure for effective disaster management.	https://ptu.ac.in/wp-content/uploads/2021/08/final-Btech-CE-3-8-affiliated-colleges.pdf
10	Engg. & Technology	B.TECH (CE)	Civil Engineering	Environmental Engineering(BTCE 504-18)	Environment	The course will enable the students to 1. Understand the impact of humans on the environment and environment on humans 2. Be able to identify and value the effect of the pollutants on the environment: atmosphere, water and soil. 3. Plan strategies to control, reduce and monitor pollution. 4. Able to select the most appropriate technique for treating water, wastewater, solid waste and contaminated air. 5. Be conversant with primary environmental legislation.	https://ptu.ac.in/wp-content/uploads/2021/08/final-Btech-CE-3-8-affiliated-colleges.pdf
11	Engg. & Technology	B.TECH (CE)	Civil Engineering	Professional Practice, Law & Ethics(HSMC-255)	Human Values & Professional Ethics	The course is designed to address the following: To make the students understand the roles they are expected to play in society as practitioners of the civil engineering profession. To develop some ideas of the legal and practical aspects of their profession.	https://ptu.ac.in/wp-content/uploads/2021/08/final-Btech-CE-3-8-affiliated-colleges.pdf
12	Engg. & Technology	B.TECH (CE)	Civil Engineering	Introduction, Societal & Global Impact (HSMC 132-18)	Environment & Sustainability	1. Introduction to what constitutes Civil Engineering 2. It understands the vast interfaces this field has with the society at large 3. Inspiring for doing creative and innovative work for the benefit of the society 4. It needs to think innovatively to ensure Sustainability 5. Highlighting the depth of engagement possible within civil engineering and exploration of various possibilities of a career in this field.	https://ptu.ac.in/wp-content/uploads/2021/08/final-Btech-CE-3-8-affiliated-colleges.pdf
13	Engg. & Technology	B.TECH (CE)	Civil Engineering	Environmental Impact Assessment(OECE -704-18)	Environment	1. Knowledge about EIA tools & methodologies, identify a suitable method and prepare Rapid EIA. 2. Be able to access different case studies/examples of EIA in practice.	https://ptu.ac.in/wp-content/uploads/2021/08/final-Btech-CE-3-8-affiliated-colleges.pdf
14	MCA	MCA	Master of Computer Applications	Information Security and Cyber Law(PGCA1932)	Professional Ethics	Students will 1. Acquire knowledge about various Information Systems. 2 Understand the critical security requirements of Confidentiality, Integrity & Availability. 3 Demonstrate the concept of Intrusion Detection & Intrusion Prevention. 4 Apply Symmetric Encryption techniques.5 Describe the idea of Security policies and Cyber Laws.	https://ptu.ac.in/wp-content/uploads/2021/06/MCA2019-1st-to-6th.pdf

15	MBA	Management	Master of Business Administration	Business Environment and Indian Economy(MBA 105-18)	Professional Ethics	At the end of the course, a student can; CO1: Outline how an entity operates in a complex business environment. CO 2:To systematically learn the impact of legal & regulatory, macroeconomic, cultural, political, technological, global and natural settings on the Business enterprise. CO 3: To examine the critical opportunities and threats that arise from analyzing external business conditions by applying scenario planning to synthesize trends prevailing in the external environment. CO 4: To describe how various types of economic systems play a significant role in the success of a business. CO 5: To understand the Indian Economy's nature and various issues relating to the Indian Economy having a direct or indirect impact on the business environment. CO6: To discuss various development strategies in India.	https://ptu.ac.in/wp-content/uploads/2020/10/MBA_Scheme_27_August_2018.pdf
16	MBA	Management	Master of Business Administration	Business Ethics and CSR(MBA 106-18)	Professional Ethics	At the end of the course, the student will be able to: CO1: To integrate and apply contemporary Ethics & Governance issues in a business context CO2: To analyze and apply ethics to modern business practices. CO3: To explore key perspectives on corporate social responsibility and its application. CO4: To evaluate different corporate ownership structures and their crucial governance features. CO5: To understand the ethical decision making, ethical reasoning, the dilemma resolution process. CO6: To analyze and apply corporate governance perspectives to contemporary business practices.	https://ptu.ac.in/wp-content/uploads/2020/10/MBA_Scheme_27_August_2018.pdf
17	MBA	Management /BCA/BBA / B.Com Hons	Master of Business Administration	Human Values, Deaddiction and Traffic Rules(HVPE 101-18)	Human Values	This introductory course input is intended a. To help the students appreciate the essential complementarily between 'VALUES' and 'SKILLS' to ensure sustained happiness and prosperity, which are the core aspirations of all human beings. b. To facilitate the development of a Holistic perspective among students towards life, profession and happiness, based on a correct understanding of the human reality and the rest of Existence. Such a holistic perspective forms the basis of Value-based living naturally. c. To highlight plausible implications of such a Holistic understanding in terms of ethical human conduct, trustful and mutually satisfying human behaviour and mutually enriching interaction with nature.	https://ptu.ac.in/wp-content/uploads/2020/10/MBA_Scheme_27_August_2018.pdf
18	MBA	Management	Master of Business Administration	Workshop on Indian Ethos(MBA 403-18)	Professional Ethics	Courses Outcomes: CO1: Comprehend and practice Indian Ethos and values system. CO2: Applying value-based management and ethical practices in business. CO3: To gain knowledge of management principles from Vedas and other holy books and explain the application of Indian heritage in business. CO4: To comprehend various stress management techniques and their applications in organizations. CO5: To describe salient features and advantages of the ancient Indian learning system. CO6: To describe various laws of Karma and explain the concept of corporate Karma.	https://ptu.ac.in/wp-content/uploads/2020/10/MBA_Scheme_27_August_2018.pdf
19	BCA/B.COM (Hons.)	BCA/BBA/MANAGEMENT/ B.Com (Hons)	Bachelor of Computer Application	Environmental Sciences(EVSC 102-18)	Environment	Students should be able to: 1. Measure environmental variables and interpret results 2. Evaluate local, regional and global environmental topics related to resource use and management 3. Propose solutions to environmental problems related to resource use and management 4. Interpret the results of scientific studies of environmental issues 5. Describe threats to global biodiversity, their implications and potential solutions	https://ptu.ac.in/wp-content/uploads/2021/04/BCA-1st-to-6th-1.pdf

20	BBA	Management	Bachelor of Business Administration	Business Ethics & Corporate Social Responsibility(B BASEC 401)	Professional Ethics	After completing the course, the students shall be able to: CO1: Explore the relationship between ethics and business across different cultural traditions CO2: Understand the relationship between ethics, morals and values in the workplace CO3: Discuss the moral and social responsibility dimensions of corporate governance. CO4: Describe models of CSR in India. CO5: Assess the international framework for CSR.	https://ptu.ac.in/wp-content/uploads/2020/10/BBA%20Batch%202018%20(15-06-2020).pdf
21	B.Sc. (Hons) Agriculture	B.Sc. (Hons) Agriculture	B.Sc. (Hons) Agriculture	Human Values & Ethics(BSAG 109-19)	Human Values & Professional Ethics	The course is designed to address the following: ·1. To make the students understand the types of roles they are expected to play in society as practitioners of the civil engineering profession. To develop some ideas of the legal and practical aspects of their profession.	https://ptu.ac.in/wp-content/uploads/2021/01/B_Sc_Agriculture_2019_upto_5th_Sem_24-12-2020_.pdf
22	B.Sc. (Hons) Agriculture	B.Sc. (Hons) Agriculture	B.Sc. (Hons) Agriculture	Soil and Water Conservation Engineering(BSAG 203-19)	Environment	Students should be able to: 1. Understand basics of soil and water conservation methods 2. have sound knowledge of water harvesting techniques.	https://ptu.ac.in/wp-content/uploads/2021/01/B_Sc_Agriculture_2019_upto
23	B.Sc. (Hons) Agriculture	B.Sc. (Hons) Agriculture	B.Sc. (Hons) Agriculture	Environmental Studies and Disaster Management(BSAG 307-19)	Environment	After completing this course, the student must demonstrate the knowledge and ability: 1. Identify various types of disasters, their causes, effects & mitigation measures. 2. Demonstrate understanding of various phases of the disaster management cycle and create vulnerability and risk maps. 3. Understand the use of an emergency management system to tackle the problems. 4. Discuss the role of media, various agencies and organizations for effective disaster management. 5. Design an early warning system and understand the utilization of advanced technologies in disaster management. 6. Compare different models for disaster management and plan & design of infrastructure for effective disaster management.	https://ptu.ac.in/wp-content/uploads/2021/01/B_Sc_Agriculture_2019_upto_5th_Sem_24-12-2020_.pdf
24	B.Sc. (Hons) Agriculture	B.Sc. (Hons) Agriculture	B.Sc. (Hons) Agriculture	Renewable Energy and Green Technology(BSAG-403-19)	Environment	Students should be able to: 1. Understand the contribution of renewable resources in the agricultural sector 2. Different biogas plants and wind energy and their application.	https://ptu.ac.in/wp-content/uploads/2021/01/B_Sc_Agriculture_2019_upto_5th_Sem_24-12-
25	B.Sc. (Hons) Agriculture	B.Sc. (Hons) Agriculture	B.Sc. (Hons) Agriculture	Introductory Agro-meteorology & Climate Change (BSAG-409-19)	Environment	Students should be able to: 1. Understand Atmospheric weather variables 2. Different types of the weather forecast and their uses, Climate change related to agriculture.	https://ptu.ac.in/wp-content/uploads/2021/01/B_Sc_Agriculture_2019_upto_5th_Sem_24-12-

26	Hospitality, Travel & Tourism	BTTM/BH MCT/MLS/	Bachelor of Travel of Tourism Management	Human Values, Deaddiction and Traffic Rules (Lab/Seminar) HVPE-102-18	Human Values, Deaddiction and Traffic Rules (Lab/Seminar)	This introductory course input is intended a. To help the students appreciate the essential complementarity between 'VALUES' and 'SKILLS' to ensure sustained happiness and prosperity, which are all human beings' core aspirations. b. To facilitate the development of a Holistic perspective among students towards life, profession and happiness, based on a correct understanding of the human reality and the rest of Existence. Such a holistic perspective forms the basis of Value-based living naturally. c. To highlight plausible implications of such a Holistic understanding in terms of ethical human conduct, trustful and mutually satisfying human behaviour and mutually enriching interaction with nature. Thus, this course is intended to provide a much needed orientational input in Value Education to the young enquiring minds.	https://ptu.ac.in/wp-content/uploads/2021/08/BTTM-Final-1-8-sem-17082021.pdf
27	Hospitality, Travel & Tourism	BTTM	Bachelor of Travel of Tourism Management	Environmental Science (EVS102-18)	Environment	1. Students will understand environmental problems at the local and national levels through literature and general awareness. 2. The students will gain practical knowledge by visiting wildlife areas, environmental institutes and various personalities who have done practical work on various environmental issues. 3. The students will apply an interdisciplinary approach to understand key environmental issues and critically analyze them to explore the possibilities of mitigating these problems. 4. Reflect critically about their roles and identities as citizens, consumers and environmental actors in a complex, interconnected world.	https://ptu.ac.in/wp-content/uploads/2021/08/BTTM-Final-1-8-sem-17082021.pdf
28	Hospitality, Travel & Tourism	BTTM	Bachelor of Travel of Tourism Management	Human Resource Management (BTTM504-18)	Professional Ethics	Students will understand the various concepts and principles of Human Resource Management.	https://ptu.ac.in/wp-content/uploads/2021/08/BTTM-Final-1-8-sem-17082021.pdf
29	Hospitality, Travel & Tourism	BTTM	Bachelor of Travel of Tourism Management	Safety & Security Management (BTTM706-18)	Professional Ethics	1. To make students acquainted with the basic knowledge of the concept of safety and security. 2. To understand various legal aspects related to safety & security applicable to India's tourism and hospitality industry. 3. To make students appreciate the importance of risk management.	https://ptu.ac.in/wp-content/uploads/2021/08/BTTM-Final-1-8-sem-17082021.pdf
30	Pharmacy	B.Pharmacy	Bachelor of Pharmacy	Environmental sciences (BP206T)	Environment	The student shall be able to: 1. Create awareness about environmental problems among learners. 2. Impart basic knowledge about the environment and its allied problems. 3. Develop an attitude of concern for the environment. 4. Motivate learners to participate in environment protection and environment improvement. 5. Acquire skills to help the concerned individuals identify and solve environmental problems. 6. Strive to attain harmony with nature.	https://ptu.ac.in/wp-content/uploads/2020/10/27_6_2017%20B_Pharmacy_Syllabus_Batch_2017.pdf
31	Pharmacy	B.Pharmacy	Bachelor of Pharmacy	Pharmaceutical Jurisprudence (BP505T)	Professional Ethics	The student shall be able to understand: 1. The Pharmaceutical legislations and their implications in the development and marketing of pharmaceuticals. 2. Various Indian pharmaceutical Acts and Laws. 3. The regulatory authorities and agencies govern the manufacture and sale of pharmaceuticals. 4. The code of ethics during the pharmaceutical practice.	https://ptu.ac.in/wp-content/uploads/2020/10/27_6_2017%20B_Pharmacy_Syllabus_Batch_2017.pdf
32	Pharmacy	B.Pharmacy	Bachelor of Pharmacy	Pharmacy Practice (BP703T)	Professional Ethics	Students should be able to: 1. Detect and assess adverse drug reactions. 3. Interpret selected laboratory results (as monitoring parameters in therapeutics) of specific disease states. 3. Know pharmaceutical care services. 4. Do patient counselling in community pharmacy.	https://ptu.ac.in/wp-content/uploads/2020/10/27_6_2017%20B_Pharmacy_Syllabus_Batch_2017.pdf
33	B.VOC	BVHCM	B. Voc. (Hospitality & Catering Management)	Food Safety & Quality (BVHCM102-19)	Professional Ethics	Students will understand the various food safety and quality acts and Indian standards' regulations.	https://ptu.ac.in/wp-content/uploads/2020/10/B_Voc_%20Hospitality%20&%

34	B.VOC	BVHCM	B. Voc. (Hospitality & Catering Management)	Health, Hygiene and Medical Protocols (BVHCM305-19)	Professional Ethics	The student will be able to 1. Understand various types of diseases and their spread. 2. Understanding Personal hygiene. 3. Do Health and medical Audit. 4. First Aid and First Aid Box	https://ptu.ac.in/wp-content/uploads/2020/10/B_Voc_%20Hospitality%20&%20Catering%20Management%20Batch%20202010%2005
35	B.VOC	BVHCM	B. Voc. (Hospitality & Catering Management)	Health, Hygiene and Medical Protocols-LAB (BVHCM306-19)	Professional Ethics	The student will be able to 1. Demonstrate a safe code of practice for personal hygiene and sanitation. 2. To demonstrate the various safety codes used to prevent communicable and infectious diseases. 3. Formulation and preparation of low-cost disinfectant and sterilizing agent. 4. Demonstration of Physical examination of spoiled/contaminated food samples. 5. Case study on recent disease outbreak viz HIV, HEPATITIS, COVID-19. 6. Demonstration of medically necessary entomological specimens.	https://ptu.ac.in/wp-content/uploads/2020/10/B_Voc_%20Hospitality%20&%20Catering%20Management%20Batch%202019%20(05-08-2020).pdf
36	B.VOC	BVHCM	B. Voc. (Hospitality & Catering Management)	HUMAN RESOURCE MANAGEMENT (BVHCM508-19)	Professional Ethics	Students will be able to, 1. Plan Manage human resources for the respective discipline. 2. Selection and training for the hospitality Industry.	https://ptu.ac.in/wp-content/uploads/2020/10/B_Voc_%20Hospitality%20&%20Catering%20Management%20Batch%20202010%2005


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