

1.3.1: Courses relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

List of Courses

S.No	Course Code	Course Title
1	19AT001	Communication Etiquette in Workplaces
2	19AT004	Ethics and Integrity
3	19AT005	Indian Heritage and Culture
4	19AT007	Intellectual Property Rights and Patents
5	19AT011	Social Responsibility
6	19AT013	Trans/Forming Gender
7	19AT014	Women in Leadership
8	19BEA01	Environmental Studies
9	19CE002	Environmental Impact Assessment
10	19EE001	Renewable energy sources
11	19EE002	Energy audit, conservation & management
12	19CH001	Industrial Safety and Hazard Management
13	19CH002	Environmental Pollution & Control Measures

Description of Courses

S.No.	Course Code	Course Title	Description
1	19AT001	Communication Etiquette in Workplaces	This course aims to equip the students with all the communication etiquette and protocols related knowledge needed to conduct business efficiently. The course focuses on addressing appropriate communication etiquettes to be followed through conversation, e-mail, mobile phone, social media, etc. in the workplace.

2	19AT004	Ethics and Integrity	This course is aimed at providing a common understanding of best ethical practices and standards of integrity that are appropriate for 21 st -century workplaces characterized by teamwork, intercultural communication, and disruptive technologies. The course deals with the importance of ethical decision making that employees can adopt when faced with an ethical dilemma. The intent is to demonstrate the breadth of responsibility of the individual manager, organization, and the role of the corporation in making “ethical” decisions.
3	19AT005	Indian Heritage and Culture	India is one of the most ancient civilizations of the world still vibrant. What makes Indian culture unique is the ability to accommodate and assimilate external influences and weave them into its own cultural fabric. This course covers the pluralistic and rich cultural heritage, Indian art, architecture, music, language, philosophy and religion.
4	19AT007	Intellectual Property Rights and Patents	The course gives a brief overview of the Intellectual Property (IP) landscape in India and the role of IP in the modern intangible economy. This course will help the students to understand the types of patents, trademarks & copyrights, enforcement of IP, and IP for business.
5	19AT011	Social Responsibility	Business makes up a significant portion of modern society. Hence, companies should have a responsibility towards society. For a business to operate efficiently, it must balance pursuing profit with a responsibility towards society. The objective of this course is to introduce the concepts of ethics and moral development and examine the application of these concepts as they relate to business and social responsibility.

6	19AT013	Trans/Forming Gender	This course deals with how globalization impacts the construction of gender and sexuality and how gendered positions are reproduced, negotiated & deployed against the backdrop of transborder flows of media, people and cultural products. The issues of global mobility, citizenship, global labor flows and how they impact gender and gender politics will be included.
7	19AT014	Women in Leadership	The objective of this course is to inspire and empower women students to engage in purposeful career development and take on leadership for important causes. The opportunities, challenges, trade-offs, and organizational dynamics experienced by women in work organizations and how in these contexts individual practice can result in effective individual behaviors will be addressed.
8	19BEA01	Environmental Studies	The need for sustainable development is key to the future of mankind. This course provides an understanding of continuing problems of pollution, loss of forest, solid waste disposal, degradation of the environment, issues like economic productivity and national security, global warming, depletion of the ozone layer and loss of biodiversity. Technologies and best practices with case studies feature in this course.
9	19CE002	Environmental Impact Assessment	Environmental Impact Assessment helps to overcome the problems of environmental degradation and to plan the development process in a sustainable manner so that control and mitigation measures can be undertaken prior to occurrence of degradation. This course addresses the need and concept of environmental impact assessments by discussing parameters and tools for measurement as well.

10	19EE001	Renewable energy sources	Renewable energy provides reliable power supplies and fuel diversification. These, in turn, result in enhancing energy security, lowering risk of fuel spills, and reducing the need for imported fuels. Renewable energy also helps conserve the nation's natural resources. The course consists of basic properties of different renewable sources of energy and technologies for their utilization, main elements of technical systems designed for utilization of renewable sources of energy, advantages and disadvantages of different renewable sources of energy and the correlation between different operational parameters.
11	19EE002	Energy audit, conservation & management	This course covers topics such as energy conservation act and energy conservation. Students will learn power factor improvement techniques, energy efficiency in HVAC systems, economic aspects such as payback period calculations, life cycle costing analysis are covered in this course.
12	19CH001	Industrial Safety and Hazard Management	The course deals with handling and storage of hazardous chemicals and in safe operation of unit operations/ unit processes like reactions, distillations, compression/expansion, and absorption/desorption. Students will learn the principles of designing equipment for eliminating the possibilities of fire, explosion and toxic releases and how to overcome hazardous situations during installation, commissioning, normal operation and/or during the execution of any maintenance work. Various techniques and measures that are available to investigate industrial accidents will be also dealt.

13	19CH002	Environmental Pollution & Control Measures	The objective of this course is to make the students understand the main problems that lead to environmental pollution – and the measures available for its prevention and control. This course enables students to understand environmental problems, linkages between pollution sources, exposure pathways and impacts to environmental quality and human health. It covers the methods that are applied to control and prevent environmental pollution.
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