

## AECC-1

### **A- Environmental Sustainability (3 Credit)**

### **B- Swachha Bharat Abhiyan Activities (2 Credits)**

**Each credit requires 10 hours of teaching- learning for theory and 20 hours for practical assignment field work.**

**A-Unit -1** Environmental ethics & ecosystem: Concept of sustainable development with reference to human values in western and Indian perspective, sustainable development & conservation of natural resources (Nature, factors, structure, development and people participation) development, environment- rural and urban, concept of Ecosystem.

**A-Unit -2** Development and its effect on environment: Environment Pollution - water, air, noise etc. due to Urbanisation, Industrial civilization, Concept of Global Warming, Climatic Change, Green House Effect, Acid rain, Ozone layer depletion. Menace of encroachment of exotic plants particularly parthenium and trees with special reference to impact on habit & habitat on indigenous flora & fauna.

**A-Unit -3** Concept of Bio-diversity and its conservation: Environmental Degradation and conservation. Govt. Policies, Social effects and role of social reforms in this direction. Role of science in conservation of environment concept of Three 'R' (reduce, reuse, recycle). Need of environmental education and awareness programme and ecological economics.


**B-Unit -4** Swachha Bharat Abhiyan: The concept of Swachhata as personal, Gandhian approach towards social and environmental moral values & concept of swachhata and its relation to moral upgradation of society and freedom struggle. Awareness Programme related to Swachhata. Role of 'Swachchagrahis' in Swachha Bharat Abhiyan.

Sanitation and hygiene, why sanitation is needed, sanitation and human rights, plantation, value of nature, concept of community participation and role of state agencies. Case study of Sanitation, effects of cleanliness, diseases - infectious and vector - born Idea of spread of diseases through body and other biological fluids and excreta.

**B-Unit-5** Assignment/Practical/field work based on unit-4

or

Alternative to unit-4 and unit-5 a student can also enrol for Swachha Bharat Internship programme of MHRD.

  
14/06/2018

  
14/6/18

  
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**Human Values and Professional Ethics (3 Credits)****Gender Sensitization (2 Credits)**

**(One credit requires ten hours of theory and twenty hours of practical/assignment/field work)**

**Unit – 1: Variety of Moral Issues, Principals of Ethics and Morality:-**

Understanding the Harmony in the Society (society being an extension of family), Integrity, Work Ethic, Courage, Empathy, Self Confidence, Professional Ideas and Virtues. Ethics as a Subset of Morality, Ethics and Organizations, Duties and Rights of employees and employers.

**Unit – 2: Holistic approach to corporate ethics:-**

Vendantic Ethics – Tagore, Vivekanand, Gandhi and Aurobindo on Ethics, Ethics in Finance, Business and Environment. Professional Rights, Intellectual Property Rights, Corporate Responsibility. Social Audit and Ethical Investing, Computer and Ethics.

**Unit – 3: Professional Ethics:-**

Augmenting Universal Human Order, Characteristics of people-friendly and eco-friendly production, Strategy for Transition from the Present State to Universal Human Order, At the Level of Individual- as Socially and Ecologically Responsible Technologists and Managers, At the Level of Society- as Mutually Enriching Institutions and Organizations. Case studies of typical holistic technologies and management patterns.

**Unit – 4: Gender – An Overview:-**

Gender: Definition, nature and evolution, culture, tradition, historicity; Gender spectrum: biological, sociological, psychological conditioning; Gender based division of labour – domestic work and use value.

**Unit – 5: Gender – Contemporary perspectives**

Gender justice and human rights: international perspectives, Gender : constitutional and legal perspectives, media & gender, Gender: emerging issues and challenges.

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Generic Elective (GE) course	
<b>Course title: Graphic Designing</b>	
Course code: GE-1	Credit 5 (There shall be 5 units each consisting of one credit)
Course offered in: Semester- IV	
Course content:	
Unit	Topics
I	<b>HTML5 and CSS3:</b> General Introduction to Internet and WWW, Text tags, Graphics, Video and Sound Tags, Link and Anchor Tags, Table Tags, Form Tags, Miscellaneous tags (layers, image maps etc), Events, Web sockets, CSS3, API, Example Applications, etc.
II	<b>PHP Programming and MySQL:</b> Programming constructs, Variable/Constants, GET & POST, Files, User defined Functions, BuiltIn Functions, Cookies, Sessions, Error Handling, MySQL tools and its integration, AJAX, XML, Object Orientation, Form, Facebook and Paypal Integration, Example Applications.
III	<b>Java script and jQuery:</b> Java script – Basic data types, control structures, functions, arrays and objects, events, html DOM, cookies, error handling, multimedia, animation, Example Applications, jQuery – Basics, Selectors, Attributes, DOM, Events, AJAX, CSS, UI, Plug-ins.
IV	<b>Content Management and SEO:</b> WordPress – Installation, Settings, Categories, Posts, Media, Pages, Tags, Links, Comments, Plugins, theme. SEO – Introduction, thumb rules, methods, keyword & title optimization.
V	<b>Assignment / Field Work based and Unit I, II, III and IV.</b>

*Note: Students who enrolled for WEB DESIGNING as AEC in Semester II will not be allowed to take Graphic Design as a GE course in Semester IV*

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(GE-(ii))

Generic Elective (GE) course	
<b>Course title: Inclusive Policies</b>	
Course code: GE-1	Credit 5 (There shall be 5 units each consisting of one credit)
Course offered in: Semester- IV	
Course content:	
Unit	Topics
I	<b>Concept of Inclusive Policy:</b> a. Meaning and Nature of inclusive policy b. Exclusion and Inclusion Controversy, caste based Exclusion
II	<b>Right of Individual and their Redressal</b> a. State Policies and the Rights of Individual b. Obstacles in the fulfilment of Individual Rights, Poverty, Illiteracy, Under Development, Government Policies
III	<b>Sources of Inclusive Policies</b> a. Constitutional Provisions and Inclusive Policies b. Ideas of Amartya Sen.
IV	<b>Inclusive Policies and Human Rights</b> a. Social, Economic, Political and Legal Structure of the Country. b. Bureaucratic corruption, police Atrocities and criminal judicial process.
V	<b>Assignment / Field Work based and Unit I, II, III and IV.</b>

*P. Prasad*  
20/06/2018

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20/06/2018

