**HS1501 Science, Society and Ethical Values L-T-P- 2-1-0, Cr: 03**

**Course Objective:** The primary objective of the Course is to inculcate the right values during the period that a youngster is preparing to step into the professional world and still in the process of understanding the society and the relevance of ethics and value in the right perspective.

**Course Material:**

Introduction will be provided through appropriate material-articles from magazines, newspapers, various case studies relating to the field of profession.

INTRODUCTION **6 Lectures**

* Nature and Scope of Science and Society.
* Social dimensions of Technology
* Meaning and nature of Morality, Ethics and Value.
* Theories of Ethics, Ethical Dilemma
* Dimensions of Ethics- Engineering , Business, IT & Environmental Ethics

PROFESSIONAL ETHICS **12 Lectures**

* Meaning and importance of Professional Ethics.
* Features and Aim of Professionals.
* Responsibilities of Professionals.
* Impediments to responsibilities of Professionals.
* Rights of Professionals.
* Honesty in professionalism,
* Global issues concerned with Professional Ethics – Case studies.

PERSONAL ETHICS **10 Lectures**

* Value of self, others and society.
* Legal aspects of Personal Ethics and compliance with law.
* Social norms and personal services to community
* Importance of Corporate Social Responsibility (CSR)
* Corruption: its causes and effects in personal and social life.
* Science and Spirituality,
* Plagiarism, Responsible Conductor of Research (RCR).

**Outcome:**

Students will have knowledge of ethics and value in their professional environment and they will be able to adopt the right values in their chosen profession.

**Text books**:

1. R. Subramanian, "Professional Ethics", Oxford University Press
2. Charles E Harris et. al. "Engineering Ethics", Cengage, 2009.
3. The handbook of science & technology studies 3rd edition MIT press.
4. Manuel G Velasqez, "Business Ethics: Concept & Cases ", PHI Learning Private Limited, New Delhi.