

Program: B. Tech. (All)	Course Title: Human Values and Ethics			Course Code:
Type of Course: Core	Prerequisites: NA			Total Contact Hours: 40
Year/Semester: 1st/2nd	Lecture Hrs/Week: 3	Tutorial Hrs/Week: 0	Practical Hrs/Week: 0	Credits: 3

Learning Objective:

The course explores universal human values and multiple frameworks of ethical conduct for engineers in terms of both external standards of behaviour and practices and also internal sets of goals to achieve the awareness required to be successful as a professional in the contemporary world. The course comprises both western and eastern theories of ethics, in general, and specific issues pertaining to identity, work ethic, and professional conduct. It draws from philosophical and psychological studies of happiness to see the overlapping reach of human values and ethics across disciplines and cultures.

Course outcomes (COs):

On completion of this course, the students will have the ability to:	Bloom's Level
CO1 Understand universal human values and various Indian and Western theories of ethics.	2
CO2 Comprehend various facets of happiness and their role in overall well-being	2
CO3 Analyse the role of representation in the perception and construction of the self (cultural identity) and its repercussions	4
CO4 Examine the holistic concerns of human ethics and professional behaviour	4
CO5 Apply the various theories of ethics through brief presentations on real-life instances	3

Course Topics:

Topics	Lecture Hours	CO Mapping
UNIT I Understanding Ethics: Values and Contexts		
Ethics in Theory and Practice <ul style="list-style-type: none"> • Why a course on Human Values and Ethics • Secular outlook on Human Values • Hedonism and Ethical Hedonism • Discussion on Doctor's Dilemma/Classic trolley problem • Utilitarianism and Deontological Ethics [Kant and Bhagavad Gita] • A Case Study on Utilitarianism and Kantian Ethics 	10	CO1

<ul style="list-style-type: none"> • Ted Talk by Devdutt Patnaik on 'Not Quite Avatar' to understand Eastern and Western way of looking at Good and Evil 		
UNIT II Happiness: Harmony in Self		
<ul style="list-style-type: none"> • Introduction: “Happiness”: A Short Film by Steve Cutts • Authentic Happiness and Wellbeing: Martin Seligman • Ted Talk by Martin Seligman on 'PERMA and Signature Strengths' • Tal Ben Shahar’s SPIRE Model • Ted Talk by Matthew Ricard on 'The Habits of Happiness' and the concept of mind training • Ted Talk by David Steindl-Rast “Want to be Happy: Be Grateful” 	5	CO2
UNIT III Ethics of Identity: Individual and Society		
<p>Ethics of Identity (Self and Representation)</p> <ul style="list-style-type: none"> • Religious divide; Casteism; Racism; Gender and Patriarchy • Cosmopolitanism: thinking beyond stereotypes and prejudices through empathetic understanding • Ted Talk by Thandie Newton on 'Embracing Otherness, Embracing Myself' • Ted Talk by Daniel Goleman :Why aren't we more compassionate?" 	5	CO3
UNIT IV Ethics and Professionalism: Holistic Concerns		
<ol style="list-style-type: none"> 1. Virtue Ethics <ul style="list-style-type: none"> • Self-regarding and Altruistic Virtues • Ted Talk (Kailash Satyarthi/Anand Giridhardas) 2. Rights, Duties and Justice <ul style="list-style-type: none"> • Moral Rights and Duties • Casuistry (Narmada River Dam and WIPP) • Perfect and Imperfect Obligations • Justice (Retributive and Distributive) 3. Professionalism and Codes of Ethics <ul style="list-style-type: none"> • Nature and Attributes of a Profession • What is a code of Ethics • Professional Societies (Business and Social Contract model) • Codes of Ethics of Professional Societies (IEEE, ACM, ASME) • Case Studies – Bhopal Gas Tragedy (1984), Bay Area Rapid Transit (BART) System (1970s) 4. Rights and Responsibilities of Engineers 	10	CO4

<ul style="list-style-type: none"> ● Rights Vs Responsibilities of Engineers ● Confidentiality and Proprietary Information ● Environmental Ethics ● Computer Ethics ● Whistle-Blowing (Need and advantages and disadvantages) ● Ways to avoid Whistleblowing ● Corporate Codes of Ethics, Institutional Codes of Ethics ● Case Study- Intel Pentium Chip Case (1994) 		
UNIT V Application of Holistic Understanding of Human Values and Ethics	10	CO5
Group Seminar Presentations applying the theories and practices studied in the course		

Text Books:

Fleddermann, Charles B. *Engineering Ethics*. New Delhi: Pearson Education. 2004.

Reference Books:

Stanford Encyclopaedia of Philosophy. <plato.stanford.edu>

Appiah, Anthony. *Ethics of Identity*. New York: Princeton University Press. 2007.

Seligman, Martin. *Authentic Happiness*. London: Nicholas Brealey Publishing. 2011.

Evaluation Methods:

Item	Weightage	CO Mapping
Quiz 1	10	CO1, CO2
Quiz 2/Assignment	10	CO3, CO4
Midterm	30	CO1, CO2, CO3
Final Examination	40	CO1, CO2, CO3, CO4
Seminar Presentation	10	CO5

CO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PS O1	PS O2	PSO3
CO1						2									
CO2						2									
CO3						3									
CO4								2							
CO5								2							

Course Instructors: Dr. Narendra Kumar, Dr. Manju Dhariwal, Dr. Payel Pal

