



Ch. Ranbir Singh State Institute of Engineering & Technology, Jhajjar
DEPARTMENT OF MECHANICAL ENGINEERING
II Yr. IV Semester (Mechanical Engineering)

LESSON PLAN

Program	:	B.Tech
Year & Sem.	:	II/ IV
Course No	:	MC-UHV-II
Course Title	:	Universal Human Values: Understanding Harmony
Max Marks	:	75
No. of Total Lecture	:	37
Schedule	:	3L=3
Lecturer	:	Dr. Sandeep Singh Kharb

Recommended Books:

1. Human Values and Professional Ethics by R R Gaur, R Sangal, G P Bagaria, Excel Books, New Delhi, 2010
2. Jeevan Vidya: Ek Parichaya, A nagraj, Jeevan Vidya Prakshan, Amarkantak, 1999.
3. Human Values, A.N. Tripathi, New Age Intl. Publishers, New Delhi, 2004
4. The Story of Stuff (Book).
5. The Story of My Experiments with Truth - by Mohandas Karamchand Gandhi
6. Small is Beautiful - E. F Schumacher
7. Slow is Beautiful - Cecile Andrews
8. Economy of Permanence - J C Kumarappa

Lesson Plan:

Lect. No(s)	Ref. No.	Topics to be covered
		Module 1: Course Introduction - Need, Basic Guidelines, Content and Process for Value Education
1	1.1	Purpose and motivation for the course , recapitulation from Universal Human Values-I
2	1.1	Purpose and motivation for the course , recapitulation from Universal Human Values-I
3	1.2	Self-Exploration- What is it? - its content and process; Natural Acceptance and Experimental Validation- as the process for self-exploration
4	1.2	Self-Exploration- What is it? - its content and process; Natural Acceptance and Experimental Validation- as the process for self-exploration
5	1.3	Continuous Happiness and prosperity- A look at basic Human Aspirations
6	1.4	Right Understanding, Relationship and Physical Facility- the basic requirements for fulfilment of aspirations of every human being with their correct priority
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8	1.5	Understanding Happiness and prosperity correctly- A critical appraisal of the current scenario
9	1.6	Method to fulfil the above human aspirations: understanding and living in harmony at various levels
		Module 2: Understanding Harmony in the Human Being- Harmony in Myself!
10	2.1	Understanding human being as a co-existence of the sentient "I" and material "Body"
11	2.2	Understanding the need of Self "I" and "Body" - happiness and physical facility
12	2.3	Understanding the Body as an instrument of "I" (I being the doer, seer and enjoyer)
13	2.4	Understanding the characteristics and activities of "I" and harmony in "I"
14	2.5	Understanding the harmony of I with the Body: Sanyam and Health; correct appraisal of Physical needs, meaning of Prosperity in detail
15	2.6	Programs to ensure Sanyam and Health
		Module 3: Understanding Harmony in the Family and Society- Harmony in Human- Human Relationship
16	3.1	Understanding values in human-human relationship; meaning of Justice (nine universal values in relationships) and program for its fulfilment to ensure mutual happiness; Trust and Respect as the foundational values for relationship
17	3.1	Understanding values in human-human relationship; meaning of Justice (nine universal values in relationships) and program for its fulfilment to ensure mutual happiness; Trust and Respect as the foundational values for relationship
18	3.2	Understanding the meaning of Trust; Difference between intention and competence
19	3.3	Understanding the meaning of Respect, Difference between respect and differentiation: the other salient values in relationship
20	3.4	Understanding the harmony in the society (society being an extension of family): Resolution; Prosperity; fearlessness (trust) and co-existence as comprehensive Human Goals
21	3.4	Understanding the harmony in the society (society being an extension of family): Resolution; Prosperity; fearlessness (trust) and co-existence as comprehensive Human Goals
22	3.5	Visualizing a universal harmonious order in society- Undivided Society, Universal order- from family to world family.
23	3.5	Visualizing a universal harmonious order in society- Undivided Society, Universal order- from family to world family.
		Module 4: Understanding Harmony in the Nature and Existence- Whole existence as Coexistence
24	4.1	Understanding the harmony in the Nature
25	4.2	Interconnectedness and mutual fulfilment among the four orders of nature- recyclability and self-regulation in nature
26	4.2	Interconnectedness and mutual fulfilment among the four orders of nature- recyclability and self-regulation in nature
27	4.3	Understanding Existence as Co-existence of mutually interacting units in all-pervasive space
28	4.4	Holistic perception of Harmony at all levels of existence.

		Module 5: Implications of the above Holistic Understanding of harmony on Professional Ethics
29	5.1	Natural acceptance of human values
30	5.2	Definitiveness of Ethical Human Conduct
31	5.3	Basis for Humanistic Education, Humanistic Constitution and Humanistic Universal Order
32	5.4	Competence in professional ethics: a. Ability to utilize the professional competence for augmenting universal human order b. Ability to identify the scope and characteristics of people- friendly and eco-friendly production systems, c. Ability to identify and develop appropriate technologies and management patterns for above production systems.
33	5.4	Competence in professional ethics: a. Ability to utilize the professional competence for augmenting universal human order b. Ability to identify the scope and characteristics of people- friendly and eco-friendly production systems, c. Ability to identify and develop appropriate technologies and management patterns for above production systems.
34	5.5	Case studies of typical holistic technologies, management models and productions systems
35	5.6	Strategy for transition from the present state to Universal Human Order: a. At the level of individual: as society and ecologically responsible engineers, technologists and managers b. At the level of society: as mutually enriching institutions and organizations
36	5.6	Strategy for transition from the present state to Universal Human Order: a. At the level of individual: as society and ecologically responsible engineers, technologists and managers b. At the level of society: as mutually enriching institutions and organizations
37	5.7	Sum up

(Dr. Sandeep Singh Kharb)

Guest Faculty

Department of ME

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