



SRI VENKATESWARA ENGINEERING COLLEGE FOR WOMEN

Karakambadi Road, Tirupati - 517 507

Permanent Affiliation to JNTUA & Approved by AICTE

Recognized under section 2(f) of UGC act 1956.

HUMAN VALUES AND PROFESSIONAL ETHICS

COURSE OBJECTIVES AND OUTCOMES

COURSE OBJECTIVES

1. To develop a critical ability to distinguish between essence and form or between what is of value and what is superficial, to life.
2. To move from discrimination to commitment. It is to create an ability to act on any discrimination in a given situation.
3. It encourages students to discover what they consider valuable. After learning the course, they should be able to discriminate between valuable and the superficial in real situations in their life.

COURSE OUTCOMES: Students will be able to

1. Identify and analyze an ethical issue in the subject matter under investigation or in a relevant field.
2. Identify the multiple ethical interests at stake in a real-world situation or practice.
3. Articulate what makes a particular course of action ethically defensible.
4. Assess their own ethical values and the social context of problems.
5. Identify ethical concerns in research and intellectual contexts, including academic
6. Integrity, use and citation of sources, the objective presentation of data, and the treatment of human subjects.
7. Demonstrate knowledge of ethical values in non-classroom activities, such as service
8. Learning, internships, and field work.
9. Integrate, synthesize, and apply knowledge of ethical dilemmas and resolutions in
10. Academic settings, including focused and interdisciplinary research.

Course Contents

UNIT I: HUMAN VALUES

Morals, Values and Ethics-Integrity-Work Ethic-Service learning – Civic Virtue – Respect for others – Living Peacefully – Caring – Sharing – Honesty - Courage- Co Operation – Commitment – Empathy –Self Confidence Character – Spirituality.

UNIT II: ENGINEERING ETHICS

Senses of _Engineering Ethics- Variety of moral issued – Types of inquiry – Moral dilemmas – Moral autonomy –Kohlberg’s theory- Gilligan’s theory- Consensus and controversy – Models of professional roles- Theories about right action- Self interest - Customs and religion –Uses of Ethical theories – Valuing time –Co operation – Commitment.

UNIT III: ENGINEERING AS SOCIAL EXPERIMENTATION

Engineering As Social Experimentation – Framing the problem – Determining the facts – Codes of Ethics – Clarifying Concepts – Application issues – Common Ground - General Principles – Utilitarian thinking respect for persons.

UNIT IV: ENGINEERS RESPONSIBILITY FOR SAFETY AND RISK

Safety and risk – Assessment of safety and risk – Risk benefit analysis and reducing risk- Safety and the Engineer- Designing for the safety- Intellectual Property rights (IPR).

UNIT V: GLOBAL ISSUES

Globalization – Cross culture issues- Environmental Ethics – Computer Ethics – Computers as the instrument of Unethical behavior – Computers as the object of Unethical acts – Autonomous Computers- Computer codes of Ethics – Weapons Development - Ethics and Research – Analyzing Ethical Problems in research – Intellectual property Rights (IPR).

Core Values of the Institute:

Excellence

We promote intellectual freedom, curiosity and engagement; critical and creative inquiry; rigorous debate; innovative thinking and integrity in all endeavors. We ignite a passion for learning with continuous improvement and innovation in Teaching, Learning, research and extension.

Student Focus

We are committed to fostering the professional and personal growth of all students and our fellow colleagues by promoting lifelong learning and leadership development. These interests are the primary focus of college decisions and activities.

Ethics and Dignity

We are committed to the highest standards of honesty, fairness, respect, transparency and accountability and professional and scholarly ethics. We value the dignity and worth of all people. We expect all of our conduct to be based on integrity, mutual respect, and civility, and that conduct is driven by the highest ethical standards.

Community

We build a welcoming community that values and embraces diversity and inclusion. We achieve this through mutual respect, compassion for others, honest and open communication, and fairness and integrity in all that we do.

Social Responsibility

We respect the dignity of every individual and promote responsible citizenship and civic engagement. We advocate for social justice on local, national and global levels. We act on our social responsibilities and empower others to do the same.

Professional Preparation

We integrate professional preparation with a rigorous liberal arts foundation that prepares students for a successful, meaningful and fulfilling life.