

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

SHOBHAVANA CAMPUS, MIJAR, MOODBIDRI, D. K. – 574225

Phone: 08258-262725, Fax: 08258-262726



HANDBOOK ON HUMAN VALUES AND
PROFESSIONAL ETHICS

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Vision Statement of the Institute:

Transformative education by pursuing excellence in Engineering and Management through enhancing skills to meet the evolving needs of the community.

Mission Statements of the Institute:

M1. To bestow quality technical education to imbibe knowledge, creativity and ethos to students community.

M2. To inculcate the best engineering practices through transformative education.

M3. To develop a knowledgeable individual for a dynamic industrial scenario.

M4. To inculcate research, entrepreneurial skills and human values in order to cater the needs of the society.

SCOPE OF HUMAN VALUES AND PROFESSIONAL ETHICS

Engineering is transforming science into useful products for human comfort. Ethics in engineering is the ability as well as responsibility of an engineer to judge his decisions from the context of the general wellbeing of the society. It is the study of moral issues that confront engineers and engineering organizations when some crucial decisions are taken. Engineering research and practice requires that the task being performed considers all the pros and cons of a certain action and its implementation. Teaching engineering ethics in academic institutions is undertaken largely through many case studies for creating awareness interactively among engineering students of all disciplines. By studying engineering ethics, the students develop awareness and are able to take their decisions on moral and ethical grounds.

Ethical standards in engineering are influenced by many factors:

1. Engineering as an experimentation for the good of mankind is a notable factor involving far reaching consequence,
2. Ethical dilemmas make engineering decisions relatively difficult to make.
3. Risk and safety of citizens as a social responsibility is a prime concern of an engineer,
4. Technological advancement can be very demanding on the engineering skill in the global context,
5. Moral values and responsible conduct will play a crucial role in decision making.

The study of engineering ethics within an engineering program helps students prepare for their professional lives. A specific advantage for engineering students who learn about ethics is that they develop clarity in their understanding and thought about ethical issues and the practice in which they arise. The study of ethics helps students to develop widely applicable skills in communication, reasoning and reflection. These skills enhance students' abilities and help them engage with other aspects of the engineering program such as group work and work placements.

OBJECTIVE OF HUMAN VALUES AND PROFESSIONAL ETHICS

The prime objective of knowing and prescribing to Human Values are as follows:

1. To understand the moral values that ought to guide the engineering profession,
2. To create an awareness on Engineering Ethics and Human Values.
3. To inspire Moral and Social Values and Loyalty.
4. To appreciate the rights of others.
5. Resolve the moral issues in the profession,
6. To justify the moral judgment concerning the profession.
7. Intended to develop a set of beliefs, attitudes, and habits that engineers should display concerning morality.

The prime objectives of the Professional Ethics are as follows:

1. Moral awareness (proficiency in recognizing moral problems in engineering like plagiarism and patenting)
2. Convincing moral reasoning (comprehending, assessing different views)
3. Moral coherence (forming consistent viewpoints based on facts)
4. Moral imagination (searching beyond obvious the alternative responses to issues and being receptive to creative solutions)
5. Moral communication, to express and support one's views to others.

HUMAN VALUE

Human values are necessity in today's society and business world. Human values are the features that guide people to take into account the human element when one interacts with other human. They have many positive characters that create bonds of humanity between people and thus have value for all human beings. They are strong positive feelings for the human essence of the other. These human values have the effect of bonding, comforting, reassuring and procuring serenity. Human values are the basis for any practical life within society. They build space for a drive, a movement towards one another, which leads to peace. In simple term, human values are described as universal and are shared by all human beings, whatever their religion, their nationality, their culture, and their personal history. By nature, they persuade consideration for others.

The six core human values that we focus upon are:

1. Right conduct
2. Communal Harmony
3. Peace
4. Truth
5. Love
6. Nonviolence
7. Discipline
8. Integrity
9. Honesty
10. Respect for all

PROFESSIONAL ETHICS

Be inclusive.

We welcome and support people of all backgrounds and identities. This includes, but is not limited to members of any sexual orientation, gender identity and expression, race, ethnicity, culture, national origin, social and economic class, educational level, Color, immigration status, sex, age, size, family status, political belief, religion, and mental and physical ability.

Be considerate.

We all depend on each other to produce the best work we can as a company. Your decisions will affect clients and colleagues, and you should take those consequences into account when making decisions.

Be respectful.

We won't all agree all the time, but disagreement is no excuse for disrespectful behavior. We will all experience frustration from time to time, but we cannot allow that frustration become personal attacks. An environment where people feel uncomfortable or threatened is not a productive or creative one.

Choose your words carefully.

Always conduct yourself professionally. Be kind to others. Do not insult or put down others. Harassment and exclusionary behavior aren't acceptable. This includes, but is not limited to:

- i. Threats of violence.
- ii. Insubordination.
- iii. Discriminatory jokes and language.
- iv. Sharing sexually explicit or violent material via electronic devices or other means.
- v. Personal insults, especially those using racist or sexist terms.
- vi. Unwelcome sexual attention.

vii. Advocating for, or encouraging, any of the above behaviour.

Don't harass.

In general, if someone asks you to stop something, then stop. When we disagree, try to understand why. Differences of opinion and disagreements are mostly unavoidable. What is important is that we resolve disagreements and differing views constructively.

Make differences into strengths.

We can find strength in diversity. Different people have different perspectives on issues, and that can be valuable for solving problems or generating new ideas. Being unable to understand why someone holds a viewpoint doesn't mean that they're wrong. Don't forget that we all make mistakes and blaming each other doesn't get us anywhere.

WORK ETHICS

Work ethics is defined as a set of attitudes concerned with the value of work, which forms the motivational orientation. It is a set of values based on hard work and diligence. It is also a belief in the moral benefit of work and its ability to enhance character. A work ethic may include being reliable, having initiative, or pursuing new skills. The work ethics are aimed at ensuring the economy (get job, create wealth, earn salary), productivity (wealth, profit), safety (in workplace), health and hygiene (working conditions), privacy (raise family), security (permanence against contractual, pension, and retirement benefits), cultural and social development (leisure, hobby, and happiness), welfare (social work), environment (anti-pollution activities), and offer opportunities for all, according to their abilities, but without discrimination. Work ethics are not just hard work but also a set of accompanying virtues, whose crucial role is the development and sustaining of high degree of professionalism.


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Abra's Institute of Engg. & Technology,
Maj. MOORIMRI - 574 225, D.K