

Self - confidence:

Self - confidence is an attitude about your skills and abilities. It means we accept and trust ourselves and have a sense of control in our life. We know our strengths and weakness well, and have a positive view of ourselves.

Human values:

Values decide the standard of behavior. Some universally accepted values are freedom, justice and equality. Other principles of values are love, care, honesty, integrity, self interest respect. On the whole it is known as Human values.

Work ethics:

By one's work, one can not harm others. Any worker can not escape accountability. Worker has the moral responsibility to see that no other person's right, private or freedom is impaired or transgressed. This is known as work ethics.

Service learning:

Service learning tells that one has moral responsibility to increase the desirable ^{effects} ~~and~~ in the community. Any service should increase the desirable result in the society.

Civici virtue that we can implement in our city

- Being a good participant in a system of government.
- ⇒ Having personal qualities that help for the effective functioning of the civil policies
- ⇒ Obeying or following the political order.
- ⇒ Preserving Government's values and principles

Moral Autonomy:

Moral Autonomy means the skill and habit of thinking rationally on ethical issues based on moral concern. So with Moral Autonomy one can live a life with freedom of doing what he thinks is right. So moral autonomy is needed for life.

Utilitarianism:

Sometimes what is best for the community as a whole is bad for certain individuals in the community.

It is often impossible to know in advance which decision will lead to the most good.

Models of professional roles:

1. Savior ~~(S)~~

The engineers are responsible for creating an utopian society in which everything is possible.

2. Guardian

Engineers only know the directions through which technology will be developed.

3. Bureaucratic Servant:

Engineers "role in the management is to be the servant who receives and translate the directive of management into better achievements.

4. Social Servant:

The role of engineers is not only providing service to others but also their responsibility to the society.

5. Social enabler and catalyst.

Self interest

- ⇒ ~~Self~~ Self interest is being good and acceptable to oneself.
- ⇒ It is pursuing what is good for oneself.
- ⇒ It is very ethical to possess self-interest.
- ⇒ As per utilitarian theory, this interest should provide for the respect of others also.

Types of inquiries available.

- Normative inquiries
- Conceptual inquiries
- Factual inquiries

Morally responsible engineers.

- ⇒ Conscientiousness
- ⇒ Comprehensive Perspective
- ⇒ Autonomy
- ⇒ Accountability.

Moral Engineers are considered as responsible experiments

Any project is carried out in partial ignorance.

The final outcomes of engineering projects like those of experiments, are generally uncertain.

Effectively engineering relies upon knowledge gained about products before and after they leave the factory.

Knowledge needed for improvement current products and creating better ones.

Scientific experiments and engineering projects

Scientific experiments are conducted to gain new knowledge, while "engineering projects are experiments that are not necessarily designed to produce very much knowledge".

