

Inculcation Of Values For Engineering Students

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ABSTRACT: Human values are the basic principles by which a person leads his life but now it has been observed that there is lack of values everywhere in society. People are living their life blindly without knowing what is good for them as well as for the society. So an attempt has been made for the engineering students to inculcate values so that they can think first of all about their duty for the society and can give their best. Everyone should try to realize that they are nothing without personal, social and moral values.

Keywords: Inculcation, tremendous, innovations, materialistic, transcending

Inculcation of Values for Engineering Students

We are the part of a developed country. No doubt science has improved the area of understanding, while technology has provided a lot of conveniences for human being. Man has achieved a lot in shape of material comfort, positions, power, and status in society. He can achieve whatever he wants. While there are tremendous advancements and innovations everywhere in society, the question still remains- are we satisfied? Are we happy? And really it is very bad to say that the answer comes in negative- no. And when the reason is being asked- the answer comes- it is only because of others. In our day to day life, it has been observed that prosperous people like doctors, engineers, they are committing errors, they are taking their own life only because of depression or discomfort but the main thing is that they are unable to cope with the problems of their life.

Why values are required

In today's sanario , it has been observed that man has to face problems at different levels- sometimes at personal level- we can notice problems like lack of clarity on life goals, contradictions and stress, at the levels of human relationship- we observe problems like mutual understanding, lack of trust, insecurity, generation gap etc. Further at social level- various problems like- communal conflicts, terrorism, exploitation, corruption are prevailing in society. And we cannot deny with this fact that socio-economic and cultural progress of any country depends on its education system and the main purpose of education is not only to impart knowledge and information but it should be connected with ethics and values. It has been rightly said by Dr. S. Ignacimuthu, "Good values are the spontaneous and natural manifestation of good character which is built on sound principles of moral life. God is the foundation and source of all good values. To face a life that is full of challenges, it is essential to empower ourselves with good values. If all our learning and training cannot make us persons with good values, then, our education is a failure. "(Values for Life, 11). It would not be wrong to say that we have achieved a lot of advancement in a lot of things but during this duration, we are losing the value of life. People are getting confused about their values and value system and due to it, they are facing conflicts and dilemmas in their life. They do not know how to cope with all the tensions of life. Therefore, value based education

has become the need for the present generation. It helps the students to generate the inner desire to be helpful, peace loving, generous and tolerant. It helps them to face challenges of life with their values based principles.

Meaning of values

First of all, it would be far better to know about values. This word 'value' has been taken from the Latin word 'valere' which means to be of worth and to be strong. To be of worth means, people should know how worthy they are. What kind of worthiness they have in their personality. What is their identity? Why they have taken birth on this earth. What is the real purpose of their life? People should try their level best to get the answer of these questions. And next to be strong. We are not talking about the physical strangeness but about mental firmness. No doubt it gives meaning and strength to a person's character and it reflects one's personal attitudes and judgment. They influence the thoughts, feelings and action. Thus it can be said, "Values are a set of principles or standards of behavior; they are regarded desirable, important and held in high esteem by a particular society in which a person lives."(Values for Life, 13). Now the question arises, why values are required. In present era, it has been clearly observed that human values are being discarded. Now people want to get materialistic comfort by any mean. They want to fulfill their own desire and purpose without consideration of ethical values and national spirit. The elements of humanism and nationality has gone for away so it is the demand of present circumstances, that everyone should be aware for values and people should try to learn about the basic facts and qualities of humanity. "Values are like the rails that keep a train on the track and help it move smoothly, quickly and with direction." (14) No one can deny that human being is a social animal and without society, he has no significance. Really man is not a human if he does not has the element of humanity. And values help to set some principles in our life and these principles help a lot to manage the complexities of life. The main thing is that we should be firm determined for those principles and try to lead our life with them. No doubt, man has to face a lot of challenges at every step of life but with the elements of firm determination, self- reliance, self-motivation, self-discipline, self-assessment, he can tackle with all the difficulties of life. It has been rightly stated by- Ignacimuthu -- "Human being is not an island. We exist in communities and families. This helps us to believe that only through mutual concern and understanding; we can make this world a better place to live

in. We should be able not only to feel for others but also feel with them, think with them and plan with them. This is possible only when we undergo an attitudinal change by transcending narrow walls created by religion, caste, race etc." Page no.(40)

The process of value-inculcation

Then everyone will have to engage in the process of value-inculcation that is just like a training to explore values by proper understanding and comprehensiveness. In inculcating values, all human faculties such as head, heart and hand should play a role. As it is clear that in human body, the first and foremost place is of head, after that of heart and at last of hand, means first of all, man should observe or notice any problem then he should attach it with the emotions, it is the work of heart and then actions should be committed by hands. In such process a person should act. If he does any work by this process, he will not commit any sin in his life. Not only should be enabled to know the right and the good but also to feel the appropriate emotions and exercise. According to Dr. S. Ignacimuthu, "Thus through value education we learn to sift, understand and finally decide for ourselves the noble values that should guide and shape us. Value education teaches us to preserve whatever is good and worthwhile, in what we have inherited from our culture. It helps us to accept and respect the attitude and behavior of those who differ from us." (Values for Life, 16)

Conventional sources

There are a lot of conventional sources of inculcating values. As first of all, a child learns basic values from his family members then with his friends automatically he becomes aware of a lot of values. When he enters in school, he practices various values. And when he becomes the part of society, he learns social values. Religion also is a source of getting moral and spiritual values. Literature plays an important role in inculcating values. Now-a-days, media is playing an effective role in both sides- positive as well as negative in human beings of all age groups. Our constitution also plays an important role for imparting values as there are a lot of rules, regulations, acts, principals, rights and every citizen has to follow them.

Modern approach

But it would not be wrong to say that now these conventional sources are not enough for inculcating values. Now people want to make their own principles by their own experiences means they want to follow their self-made values or principles. So now two approaches have been introduced in this regard in which the first of all to transmit a pre-existing set of values and it can be possible by the model form, reward and punishment form, explanatory form and manipulative form. No one can deny the fact that models influence thoughts and actions. Gone are those days when people used to present the model of Mahatma Gandhi, Lord Ramam and Krishna but now according to the demand of present circumstances, we should try a lot to collect models from the popular celebrities such as Ratan Tata, Narendra Modi, Abdul Kalam in front of the youngersters and try to present positive approach of these personalities in front of them so that they themselves want to inculcate values from their lives. It's said, "Values give

motivation for a person. They identify a person, giving him a name, a face and a character. Without values one would be floating like a piece of driftwood in the swirling waters of a river however exciting it may appear first. They bring quality to life. Page no.1. By reward and punishment form, honor and reward should be given for good and desirable behavior of the people rather there should be punishment for undesirable behavior. In explanatory form, it is the duty and responsibility of everyone that he should have to identify certain values and provide proper explanation with proper examples. It is been written for manipulative form, "By manipulating the environment or experiences, we should favor certain values outcomes in front of our students."(17)

Value clarification approach

Besides it, the second approach is value clarification approach. It has been said, "It is a methodology or a process by which we help our students to discover values through their behavior, feelings and ideals. This relates to all the choices they are making and the choices they have made and act upon in their daily life."(20). It is seven step processes. In its first step, people should be given a chance to choose any problem, prevailing in the society, he will have to observe the problem very minutely then he will have to discover at least five solutions for that very problem. Then he will have to examine the consequences for each solution intelligently. "Impulsive and thoughtless choice don't lead to values. If anything has to guide our thoughts meaningfully, it must emerge from understanding and judgment."(20) Then he should discuss that problem with all solutions to the public one with their agreement and affirmation, he should select the best alternative or solution and then he should feel proud of his choice and feel good about it. "When we value something, we prize it, cherish it, esteem it, respect it and hold it dear to us and make the principle of our life."(21) Then he will have to act according to that solution and should inspire other to follow that solution for that very problem whenever it has been observed .so it is the modern approach of inculcating values. According to Mahatma Gandhi,

"Your beliefs become your thoughts,
Your thoughts become your words,
Your words become your actions,
Your actions become your habits,
Your habits become your values,
Your values become your destiny."

Role of teachers for inculcating values

No one deny for this fact that teachers are the best source of inspiration and motivation for their students and really if they want and wish, they can bring extraordinary changes in the society by transforming a lot of personal, social, professional values in engineering students who are considered as the founder of new technology and the future of the country. A teacher should practice what he preaches. Teachers are a role-model for the students. Their actions convey more than their words. Teachers make a maximum impact on the personality of the students in the formative years. A teacher is not only a source of information but is also a mentor as well as guardian and they should play a very responsible and friendly role for inculcating professional values and ethics in engineering students.

They should assign some activities that can generate competence, efficiency, accountability, professional honesty and integrity in engineering students because by following and respecting professional ethics, these students can keep themselves far away from all the dirt of the professional dishonesty and can do better for the welfare of the country and its citizens for whom they are responsible to do that. It has been written, "Professional ethics related to medical, engineering, legal and business specialization have currently gained a lot of importance due to the advance in all spheres of technology and the development of expert skill sets that are often deployed in erroneous ways. The codes of practice implemented by the various professions aims to set right any wrongdoing that may occur within the ambit of the particular vocation. (Rhythm of Life, 73). So in this regards it is the very first responsibility of the concerned teachers that they should maintain a case-study register to closely observe the students and note down the positive and negative traits of their personality. They should give importance to cooperative learning so that engineers should act in professional matters for each employer or clients as faithful agents or trustees and shall avoid conflicts of interest. Besides it, many club activities like nature club, literary club, wildlife prevention club, social service camps should be organized for engineering students so that they shall hold paramount the safety, health and welfare of the public and shall strive to comply with the principles of sustainable development in the performance of their professional duties. "Engineers shall build their professional reputation on the merit on their services and shall not complete unfairly with others."(76)

Conclusion

So at last, it can be concluded by this quotation:

If wealth is lost, nothing is lost,
If health is lost, something is lost,
If character is lost, everything is lost.

So everyone should try to save his characteristics, qualities of head and heart. Values are just like the formulas and equitation by which any kind of problem can be solved. As in Maths, if we apply wrong formulas or equations and we put wrong values then we cannot get the correct answer. To get the correct answer, we will have to correct value. In the same manner, if we including right values and apply them to solve the problems of life, truly no problem can stand before a valuable person.

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