

Amrutvahini College of Engineering, Sangamner
Mechanical Department

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

Our Institution integrates Cross-cutting issues of the society like Gender Equality, Environmental Awareness, Human Values, Professional Ethics, Moral and Ethical Values which are inseparable part of the our curriculum.

Gender Equality:

Gender equality and equal opportunity for women are necessary in the institution. Every activity and program of the circular of the institute should provide equal opportunity for the development of the girl students and the female staff. For maintaining the equality among the staff and students the Women development cell and Anti ragging cell are active. These committees take utmost care and provide support to girl students and the female staff. Meetings are conducted on regular basis and issues are discussed over to find solution for making a better environment for the women. Women development seminars are also conducted which includes teaching them self-defence and rifle shooting.

Environmental Awareness:

Environment awareness is inculcated in students. Environment study is a part of the curriculum of the institution. Environment day is celebrated with enthusiasm. NSS students along with other college students participate in tree plantation and cleanliness programs. We make student aware about the importance of preserving the environment.

Human rights:

Human rights are the basic rights enjoyed by all. We at institute make sure that no violation of human rights takes place. We celebrate 10th December as 'Human Rights Day' to spread awareness of Human Rights and motivate everyone to make the proper use of basic rights.

Professional ethics:-

Professional ethics are taught to students as part of their holistic development. Importance for group work and imbibing leadership is being taught.

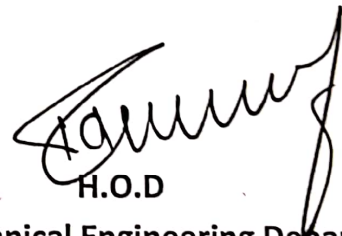
Moral and ethical values:

Moral and ethical values are integral part of education of the students. Our teachers put their best efforts to groom students and make them responsible citizen. We celebrate day of National importance which imbibes the nation values in the students. Independence day, Republic day, Gandhi Jayanti, Teacher's day, Voters Awareness Day, International Yoga Day, Matrubhasa Divas, World Environment Day, Youth Day etc.

Table 1.3.1 Cross-cutting issues in Curriculum

Core courses	Course Name	Cross- cutting issue	Description of course
SE Mech	202052 - Project Based Learning - II	Human Values, Professional ethics, Environment and Sustainability.	The mainstream engineering education follows traditional classroom teaching, in which the major focus is mainly on the lecture and the student has very little (if any) choice on the learning process. However this course will help in adopting a teaching approach that would assist students not only in developing a core set of industry relevant skills, but also enable them to adapt to changes in their professional career.
SE Mech	202046 - Audit Course - III	Human Values, Professional ethics	Such audit courses can help the student to get awareness of different issues which make an impact on human lives and enhance their skill sets to improve their employability.
SE Mech	202053 - Audit Course - IV	Human Values, Professional ethics	Such audit courses can help the student to get awareness of different issues which make an impact on human lives and enhance their skill sets to improve their employability.
TE Mech	302055: Internship/Mini project	Professional ethics, Environmental Awareness, social ethics	Internship provides an excellent opportunity to learner to see understand the conceptual aspects learned in classes and deployed into the practical world. Industry/on project experience provides much more professional experience as value addition to classroom teaching.
TE Mech	302047: Skill Development	Professional ethics, Environmental Awareness	Students will learn the skills required in an industry such as design, development, assembly & disassembly. Students will learn the skills required for fault diagnose of engine and transmission of different automotive and various home appliances. Students will also learn the skills required for maintenance of any machine tool. awareness about industrial environment..
BE Mech	Energy Audit and Management (Elective V) (402050B)	Professional ethics, environment and sustainability	Significance of Waste heat recovery and Cogeneration. Energy Audit of the residence / society / college where students are studying. - Carry out electrical tariff calculation and accurately predict the electricity bill required for the installation. - Suggest various methods to reduce energy consumption of the equipment / office / premises
BE	Industrial	Professional ethics,	This course teaches the students to apply the

Mech	Engineering (Elective III) (402044D)	Human values.	Industrial Engineering concept in the industrial environment, Manage and implement different concepts involved in methods study and understanding of work content in different situations, Undertake project work based on the course content, Describe different aspects of work system design and facilities design pertinent to manufacturing industries, Identify various cost accounting and financial management practices widely applied in industries, Develop capability in integrating knowledge of design along with other aspects of value addition in the conceptualization and manufacturing stage of various products.
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