

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

Crosscutting issues in Curriculum

Core courses	Course Name	cross cutting issue	Description of course
SE Prod	211105: Machine Drawing & computer graphics	Ethics in professional field, Ethical values	Course emphasises the importance of computer aided manufacturing using technologies such as CAM, CAE, FEA, CFD, PLM.2) and its application in 2D sketching. It is also helpful to ethically communicate between Designer and Manufacturer using 2D drawings & 3D images avoiding any kind of misunderstanding.
SE Prod	211104: Materials science	Professional ethics, environment, sustainability	The contents of the course helps to understand knowledge of materials & their usefulness in the field of engg. for the betterment of the society. Material testing helps to analyze and interpret properties in designing a component to meet desired needs within realistic constraints of health and safety with ethical responsibility.
SE Prod	211105: Soft Skills	Human Values, Environment and Ecology, Professional ethics, Sustainability	This course enables the students to understand meaning of values and select their goals by self investigation based on personal values, enables the students to understand value of truth, commitments, honesty, sacrifice, care, unity, team work and relationship, educates and makes the young generation students aware of their social responsibilities, increases awareness among students about environment and create attitude towards sustainable lifestyle.
TE Prod	311086: Employable skill devt.	Sustainability	Course useful to understand the importance of quality product making. Helpful to make decision which product is quality wise useful for human being & which one may be harmful. Sustainable development and inclusive growth is possible using its knowledge.
BE Prod	411089 A : Human factors in engg. & ergonomics	Social ethics	To make an awareness about number of workers sacrificing their lives in absence of safety devices during manufacturing products. Contents not only focus on improving safety measures but also highlights to reduce atmospheric pollution using innovative methods.


 Head of Deptt.
 Department of Production Engg.
 Amrutvahini College of Engineering
 Sangamner-422608