

AMRUTVAHINI COLLEGE OF ENGINEERING, SANGAMNER

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

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

Table 1.3.1 Cross Cutting issues in Curriculum

Core courses	Course Name	Cross Cutting Issue	Description of course
SE E&TC	204189: Electronic Skill Development	Professional ethics	The course highlights the importance of Basic Electronics Engineering, Fundamentals of Programming, Open Source electronics platform based on easy-to-use hardware and software for the design of electronic circuits.
SE E&TC	204199: Employability Skill Development	Professional ethics, Human Values, Ethical values	The course teaches to apply knowledge of and Practice professional and ethical responsibilities such as Understanding Self and Soft Skills, Leadership Skills and Group Dynamics, and Quantitative Ability & Logical Reasoning. The course objectives are: <ul style="list-style-type: none"> • Develop good communication skills – both oral as well as written. • Encourage creative and critical thinking among students. • Nurture collaborative behavior to work efficiently in groups.
TE E&TC	Japanese Language Audit Course (Audit Course)	Human Values, Ethical values, Professional ethics	This course enables the students to learn Japanese language and its cultural issues with utmost professionalism to adapt in the work culture.
TE E&TC	Cyber and Information Security (Audit Course)	Human Values, Ethical values, Professional ethics, and Sustainability	This course enable the students to understand <ul style="list-style-type: none"> • To learn the issues of security in IT • To investigate various security threats in IT • To increase the awareness about information and network security
TE E&TC	304188: Business Management	Human Values, Ethical values, Professional ethics	This course enables the students to learn Human Values, Ethical values, Professional ethics. The course objectives are: <ul style="list-style-type: none"> • To get awareness about various domains in Business Management. • To understand concept of Quality

			<p>Management, Financial Management and Project Management.</p> <ul style="list-style-type: none"> To learn Human Resource Management, marketing management are the major tasks in Business
BE E&TC	Green Energy (Audit Course)	Human Values, Ethical values, Environment and Sustainability	<p>This course provides an introduction to energy systems and renewable energy resources, with a scientific examination of the energy field and an emphasis on alternate energy sources and their technology and application. The students will explore society's present needs and future energy demands, examine conventional energy sources and systems, including fossil fuels and nuclear energy, and then focus on alternate, renewable energy sources such as solar, biomass (conversions), wind power, geothermal, and hydro. Energy conservation methods will be emphasized.</p>
BE E&TC	Environmental issues and Disaster Management (Audit Course)	Human Values, Ethical values, Environment and Sustainability	<p>This course enables the students to learn the issues related with Environment and Sustainability. The course objectives are:</p> <ul style="list-style-type: none"> To develop understanding of Environment Issues and Biodiversity To introduce to the students the environment, Disaster Management To enable students to understand ecosystem and preservation of environment To understand Disaster Management and handling them

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