

AMRUTVAHINI COLLEGE OF ENGINEERING SANGAMNER

DEPARTMENT OF COMPUTER ENGINEERING

Crosscutting Issues

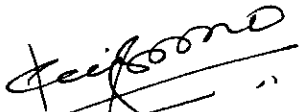
(Professional Ethics, Gender, Human Values, Environment and Sustainability)

Crosscutting issues in curriculum

Core courses	Course Name	Cross cutting issue	Description of course
SE Comp	210246: Soft Skills	Professional ethics , Communication Skills	The course highlights the importance of 1. To encourage the all-round development of students by focusing on soft skills. 2. To make the engineering students aware of the importance, the role and the content of soft skills through instruction, knowledge acquisition, demonstration and practice. 3. To develop and nurture the soft skills of the students through individual and group activities. 4.To expose students to right attitudinal and behavioral aspects and to build the same through activities
TE Comp	310246: Skills Development Lab	Professional Skills, Sustainability , Adaptability	The course teaches to apply knowledge of 1. To adapt the usage of modern tools and recent software. 2. To evaluate problems and analyze data using current technologies 3. To learn the process of creation of data-driven web applications using current technologies 4. To understand how to incorporate best practices for building enterprise applications 5. To learn how to employ Integrated Development Environment(IDE) for implementing and testing of software solution 6. To construct software solutions by evaluating alternate architectural patterns
TE Comp	310245: Computer Forensic and	Social Ethics,	This course enables the students to understand meaning of Following

	Cyber Applications	Human Values, , Ethical values, Professional ethics, Sustainability	<p>1.To learn Forensics and use of Computers</p> <p>2. To learn Tools used in Computer Forensics and Cyber Applications</p> <p>3. To learn programming for Computer Forensics</p>
TE Comp	310248: Employability Skills Development Lab	Human Values, Ethical values, Professional skills, Sustainability	<p>This course enables the students to understand meaning of following</p> <p>1.To learn use of advance programming, documentation, presentation and communication Tools</p> <p>2. To learn use to group discussions in problem solving</p> <p>3. To learn technology and group leadership skills</p> <p>4. To learn administrative skills and responsibilities in teamwork</p> <p>5. To learn quantitative and technology skills</p>
TE Comp	310244: Information System and Engineering Economics	Environment and Ecology, Sustainability	<p>This course enables the students to understand meaning of following</p> <p>1. To prepare the students to various forms of the Information Systems and its application in organizations.</p> <p>2. To expose the students to the managerial issues relating to information systems and help them identify and evaluate various options in Information Systems.</p> <p>3. To Prepare engineering students to analyze cost / revenue data and should able to do economic analyses in the decision making process to justify or reject alternatives / projects on an economic basis for an organization.</p>
BE Comp	410251 : Information and Cyber Security	Human Values, Ethical values, Professional ethics, Sustainability,	<p>This course enables the students to understand meaning of</p> <p>1.To offer an understanding of principle concepts, central topics and basic approaches in information and cyber security.</p>

		Adaptability	<p>2. To know the basics of cryptography.</p> <p>3. To acquire knowledge of standard algorithms and protocols employed to provide confidentiality, integrity and authenticity.</p> <p>4. To enhance awareness about Personally Identifiable Information (PII), Information Management, cyber forensics.</p>
SE Comp	210258 IV: Stress Relief : Yoga Meditation	Human Values, Social Values, Professional Ethics, Stress Management, Sustainability	<p>Highlights the importance of following Points</p> <p>1. To impart knowledge about the basic technique and practice of yoga, including instruction in breath control, meditation, and physical postures.</p> <p>2. To gain an intellectual and theoretical understanding of the principles embodied in the Yoga Sutras, the Bhagavad-Gita, and other important texts and doctrines</p> <p>3. Relaxation and stress reduction ,Personal insight and self-understanding, Personal empowerment, Gaining wisdom and spiritual discernment</p> <p>4. Awakening the abilities or powers of the Super conscious mind</p>
TE Comp	310259 IV : Leadership and Personality Development	Professional ethics , Communication Skills, Human Values	<p>Generates awareness about</p> <p>1. To develop inter personal skills and be an effective goal oriented team player.</p> <p>2. To develop professionals with idealistic, practical and moral values.</p> <p>3. To develop communication and problem solving skills.</p> <p>4.To re-engineer attitude and understand its influence on behavior</p>


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