



ShriTuljabhavani Temple Trust's  
**SHRI TULJABHAVANI COLLEGE OF ENGINEERING,**  
**TULJAPUR – 413601 Dist. :Osmanabad**  
E-mail : [stbcet@gmail.com](mailto:stbcet@gmail.com) Website : [www.stbcet.org.in](http://www.stbcet.org.in)



**AQAR Report data for A.Y. 2022-23**

<b>1.3.1 Curriculum with relevance to Gender, Professional Ethics, Human Values, Environment and sustainability</b>		
<b>Sr. No.</b>	<b>Description of Attachment</b>	<b>Page No.</b>
1	list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum	01 to 05



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# SHRI TULJABHAVANI COLLEGE OF ENGINEERING

Naldurg Road, Tuljapur-413601. Dist.Dharashiv

PH.: 02471-243603

e-mail : stbcet@gmail.com website : www.stbcet.org.in

Estd.1983

" NAAC Accredited"  
B Grade

Approved by A.I.C.T.E. New Delhi,

Affiliated to Dr.Babasaheb Ambedkar Technological University, Lonere, Dist. Raigad

Date : 06/10/2022

### 1.3.1 Institution integrates corresponding issues relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics.

Sr. No	Department	Class	Name of the Course	Issue Addressed	Description
1	Civil Engineering	F.Y.	Engineering Mechanics	Study of Bodies at rest & motion	In the subject of engineering mechanics, students learn the fundamental principles of physics and mathematics applied to engineering problems. They gain a deep understanding of statics and dynamics, including concepts such as force, equilibrium, motion, acceleration, and energy. Through studying engineering mechanics, students develop critical thinking skills, problem-solving abilities, and the ability to analyze and design structures and systems. This knowledge forms the foundation for various branches of engineering, including civil, mechanical, aerospace, and structural engineering, preparing students for careers in these fields.
2		F.Y.	Energy and Environmental Engineering	Environmental and Sustainability	This course gives fundamental information regarding conventional energy sources and also lists the disadvantages and advantages of conventional energy. The curriculum included in-depth information on non-conventional energy generation and its conservation. Non-conventional energy is the only ultimate energy source in the future, so courses provide detailed knowledge for budding engineers. The course also deals with pollution, its causes, and its controlling measures for a sustainable environment.
3		T.Y.	Soft Skills Development	Development of interpersonal & communication skills in professional & personal contexts	Soft skills development encompasses a wide range of interpersonal and communication abilities that are essential for success in various aspects of life, including academics, careers, and personal relationships. Students learn important skills such as effective communication, teamwork, time management, problem-solving, adaptability, leadership, emotional intelligence, and critical thinking. These skills enhance their academic performance, prepare them for the workforce, and enable them to navigate social interactions with confidence and empathy. Ultimately, soft skill development equips students with the tools they need to thrive in diverse environments and achieve their goals.
4		T.Y.	Indian Constitution	Human Values and Professional Ethics.	Studying the Constitution of India provides students with a comprehensive understanding of the principles, structure, and functioning of the Indian government. They learn about fundamental rights, duties, directive principles, and the separation of powers, fostering a deeper appreciation for democracy, governance, and the rule of law. Additionally, students gain insights into the historical, social, and political context that shaped the Constitution, contributing to their civic awareness and active participation in society.



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S.T.B. Engg. College,  
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5		F.Y.	Basic Civil & Mechanical Engg	Environmental and Sustainability	In Basic Civil Engineering, students learn the foundational concepts and principles of civil engineering, providing them with a broad understanding of the discipline. This subject typically covers topics such as surveying, construction materials, structural mechanics, fluid mechanics, and environmental engineering. Students learn about the properties and behavior of construction materials, the basics of surveying land and creating maps, the analysis of forces and stresses in structures, and the principles of fluid flow in pipes and channels. Additionally, they gain insight into environmental considerations in engineering projects. Overall, Basic Civil Engineering equips students with the fundamental knowledge and skills necessary to pursue further studies or careers in civil engineering.	
6	Mechanical Engineering	F.Y.	Energy and Environmental Engineering	Environmental and Sustainability	This course gives fundamental information regarding conventional energy sources and also lists the disadvantages and disadvantages of conventional energy. The curriculum included in-depth information on non-conventional energy generation and its conservation. Non-conventional energy is the only ultimate energy source in the future, so courses provide detailed knowledge for budding engineers. The course also deals with pollution, its causes, and its controlling measures for a sustainable environment.	
7		S.Y.	Basic Human Rights	Human Values and Professional Ethics	This course teaches students to respect others caste, religion, region, and culture. Also, the curriculum makes students aware of their rights as Indian citizens and the importance of groups and communities in society. The course emphasises being a good citizen by being aware of their responsibilities towards the nation.	
8		T.Y.	Renewable Energy Sources	Environmental and Sustainability	In this course, learners can differentiate between renewable and non-renewable energy. Students are able to describe the workings of solar collectors and various types of solar collectors that are beneficial for energy conservation. Also, learners are able to utilise their knowledge and apply it to resolve the problems of rural areas by using resources from non-conventional power generation, such as biomass, biodegradable materials, etc.	
9				Quantitative Techniques and Project Management	Professional Ethics	At the end of the course, the student will be able to demonstrate a professional understanding of the basic mathematical and statistical techniques needed for quantitative analysis, apply those techniques to solving complex management problems, and apply tools to analyse and critically evaluate different types of management problems.
10			B.Tech.	Intellectual Property Rights.	Professional Ethics	Intellectual property rights (IPR) play a crucial role in the realm of professional ethics, ensuring fair recognition and protection of creators' innovations and expressions. Ethical considerations surrounding IPR encompass various facets, including honesty, integrity, and respect for the creative efforts of others. A course prepares humans who are ready to maintain transparency and honesty in their dealings at work. also inculcate ethical considerations in IPR.



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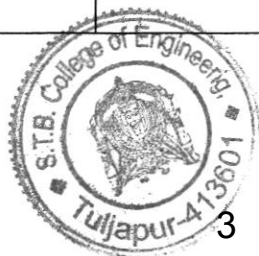
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12		T.Y.	Economics and Management	economics with the principles of management	Economics and management is a field that combines the study of economics with the principles of management. It involves analysing economic theories and applying them to make strategic decisions in various business settings. Students learn about market trends, financial systems, organisational behaviour, and how to effectively manage resources within an rganization. The goal is to develop skills in decision-making, problem-solving, and leadership to succeed in the business world.
13		T.Y.	Consumer Behavior	factors that influence consumers' decisions, such as psychological, social, and cultural aspects	Consumer behavior is a field of study that examines how individuals, groups, and organizations select, purchase, use, and dispose of goods, services, ideas, or experiences to satisfy their needs and wants. It involves understanding the factors that influence consumers' decisions, such as psychological, social, and cultural aspects. The subject explores topics like consumer motivation, perception, attitudes, decision-making processes, and the impact of marketing strategies on consumer behavior. It is a crucial area of study for businesses aiming to effectively market their products and services to target audiences.
14	Electronics and Telecommunication Engineering	S.Y.	Basic Human Rights	Human Values	To train the young minds facing the challenges of pluralistic society and the rising conflicts and tensions in the name of particularistic loyalties to caste, religion, region, and culture. To give knowledge of the major "signposts" in the historical development of human rights, the range of contemporary declarations, conventions, and covenants. To enable them to understand the basic concepts of human rights (including discrimination, equality, etc.) and the relationship between individual, group, and national rights. To develop sympathy in their minds for those who are denied rights. To make the students aware of their rights as well as their duties to the nation
15		S.Y.	Basic Human Rights	Professional Ethics	Students will be able to understand the history of human rights. Students will learn to respect others caste, religion, region and culture. Students will be aware of their rights as Indian citizen. Students will be able to understand the importance of groups and communities in the society. Students will be able to realize the philosophical and cultural basis and historical perspectives of human rights.
16	Computer Science Engineering	F.Y.	Energy and Environmental Engineering	Environmental and Sustainability	This course gives fundamental information regarding conventional energy sources and also lists the disadvantages and disadvantages of conventional energy. The curriculum included in-depth information on non-conventional energy generation and its conservation. Non-conventional energy is the only ultimate energy source in the future, so courses provide detailed knowledge for budding engineers. The course also deals with pollution, its causes, and its controlling measures for a sustainable environment.



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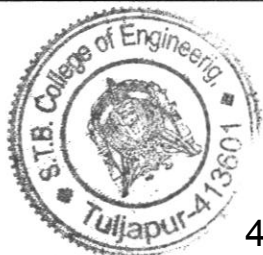
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23	Basic Science and Humanities	F.Y.	Communication Skills	Humanities, Social Science and Professional Ethics	The objective of this course is to enhance students's reading, professional writing skills, communication skills for presentations, skills in social situations, and ability to apply grammar correctly during speaking and writing situations, especially in context with presentations. Students will also be able to apply speaking and writing skills in professional as well as social situations and will be able to report writing and business correspondence.
24		F.Y.	Energy and Environmental Engineering	Environmental and Sustainability	This course gives fundamental information regarding conventional energy sources and also lists the disadvantages and advantages of conventional energy. The curriculum included in-depth information on non-conventional energy generation and its conservation. Non-conventional energy is the only ultimate energy source in the future, so courses provide detailed knowledge for budding engineers. The course also deals with pollution, its causes, and its controlling measures for a sustainable environment.



  
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