



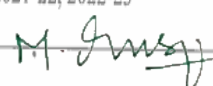
GOUTHAMI INSTITUTE OF TECHNOLOGY AND MANAGEMENT FOR WOMEN

(Approved by AICTE, New Delhi, SBTET & Affiliated to JNTUA, Anantapuramu)

Sai Nagar, Peddasettypalli (Vi.) PRODDATUR - 516 361. Kadapa (Dist.) A.P. Cell : 9491431101
e-mail : principal.8u@jntua.ac.in gitamwpdtr@gmail.com web : www.gitamw.ac.in

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

Crosscutting Issue	Regulations	Course Code	Name of the Course	Year of Study	Academic Year
Environmental Science	R15	15A01101	Environmental Science	I-I ECE, ME	2016-17,2017-18,2018-19
	R15	15A01101	Environmental Science	I-II CIVIL,CSE, EEE	2016-17,2017-18,2018-19
	R19	19A99301	Environmental Science	II-I CSE,CIVIL,ME	2020-2021
	R19	19A99301	Environmental Science	II-II ECE,EEE	2020-2021
	R20	20A99201	Environmental Science	I-II ECE, EEE, CIVIL	2021-22
	R20	20A99201	Environmental Science	II-I CSE, AI, ME	2022-23
Biology For Engineers	R19	19A99302	Biology For Engineers	II-I ECE,EEE	2020-2021
	R19	19A99302	Biology For Engineers	II-II CSE,CIVIL,ME	2020-2021
Social values & Ethics	R15	15A99501	Social values & Ethics	III-I ECE,CIVIL, ME, EEE, CSE	2017-18
Human Values & Professional Ethics	R14	14E00321	Human Values & Professional Ethics	III-SEMESTER-MBA	2016-17
Universal Human Values	R20	20A52201	Universal Human Values	I-II CSE, AI, MECH	2020-21,2021-22,
	R20	20A52201	Universal Human Values	II-I ECE, EEE, CE	2021-22, 2022-23


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core courses	Course Name	Cross cutting issue	Description of course
Common to B.TECH all Branches	Environmental Science (19A99301)	Environmental Education, Climate changes	<p>The protection of environmental and making use of our available natural resources efficiently is the most pressing demands in the present stage of development. The task of preserving the purity of the environment is of utmost concern at national and global levels. The course emphasizes the control and management of wastes generated by industrial practices.</p> <p>Objectives:</p> <ul style="list-style-type: none"> To make the students to get awareness on environment To understand the importance of protecting natural resources, ecosystems for future generations and pollution causes due to the day to day activities of human life To save earth from the inventions by the engineers
Common to B.TECH all Branches	Biology For Engineers (19A99302)	life Process of Animal and plant systems	<p>To provide basic understanding about life and life Process of Animal and plant systems. To understand what Biomolecules, are, their structures are functions. Application of certain Biomolecules in Industry</p> <p>Objectives:</p> <ul style="list-style-type: none"> Brief introduction about human physiology and bioengineering How biology Principles can be applied in our daily life using different technologies Brief introduction to the production of transgenic microbes, Plants and animals To understand hereditary units, i.e. DNA (genes) and RNA and their synthesis in living organism
Common to B.TECH all Branches	Social values & Ethics (15A99501)	Moral values ethical values	<p>Ethics in Engineering is the ability as well as responsibility of an engineer to judge his decisions from the context of the general wellbeing of the society. It is the study of moral issues that confront engineers and engineering organizations when some crucial decisions are taken. Engineering research and practice requires that the task being performed considers all the pros and cons of a certain action and its implementation</p>
MBA	Human Values & Professional Ethics (14E00321)	Professional Ethics Management and Organizational Behavior	<ul style="list-style-type: none"> These courses impart a set of ethical standards and basic values for the harmonious existence of humanity. These courses also teach the standard for professional practice, propose appropriate technologies and management patterns to create harmony in professional and personal life. Apart from this, the institution also has the Anti-Ragging Committee and Internal Complaint Committee to uphold human values, morality, and ethics.


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Common to B.TECH all Branches	Universal Human Values (20A52201)	Development of a holistic perspective based on self-exploration about themselves, family, society and nature /existence	The objective of the course is four fold <ul style="list-style-type: none">• Development of a holistic perspective based on self-exploration about themselves (human being), family, society and nature/existence• Understanding (or developing clarity) of the harmony in the human being, family, society and nature/existence• Strengthening of self-reflection• Development of commitment and courage to act
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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR

AMENDMENT

in

B.TECH. R20 ACADEMIC REGULATIONS

(Applicable for students admitted into non autonomous Constituent & Affiliated colleges)

(As per AICTE guidelines)

Applicable for the Regular Students admitted from
the academic year 2021-22 onwards
and
for the Lateral Entry Students admitted from
2022-23 onwards

1. The course on Universal Human Values which was offered as a non-credit mandatory course will now be carrying 03 credits

This is compulsory subject for all UG Degree Courses in Engineering & Technology, with 03 exclusive credits. Hence the overall credits of curriculum are 163 credits instead of 160 credits for regular and 124 credits instead of 121 for lateral entry students.

It is offered in 3rd semester for all the disciplines of Engineering & Technology

2. Environmental Science, which is a non-credit mandatory course will now be offered in 5th semester for all disciplines of Engineering & Technology

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