



BHEEMA INSTITUTE OF TECHNOLOGY & SCIENCE

(Sponsored by Bheema Educational Society)
(Approved by AICTE & Affiliated to JNTUA ,Anantapuramu)
Alur Road, **ADONI-518301**. (Kurnool Dist.) A.P.
■ CELL:7660011179, 7660011189
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1.3.1 Institution integrates cross cutting issues relevant to professional Ethics, Gender, Human values, environment and sustainability in to the curriculum

Cross cutting 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 CE,CSE,EE	2016-17,2017-18,2018-19
	R19	19A99301	Environmental science	II-I CSE,CE ME	2020-2021
	R19	19A99301	Environmental science	II-II ECE EEE	2021-2022
	R20	20A99201	Environmental science	I-II ECE, EEE, CE	2022-2023
	R20	20A99201	Environmental science	II-I ECE EEE	2020-2021
Biology for engineers	R19	19A99302	Biology for engineers	II-I ECE, EEE	2020-2021
	R19	19A99302	Biology for engineers	II-II CSE, CE, ME	2020-2021
Social values & ethics	R15	15A99501	Social values & ethics	III-I ECE, CE, ME, EEE, CSE	2017-2018
Universal human values	R20	20A52201	Universal human values	I-II CSE,ME	2020-21, 2021-22
	R20	20A52201	Universal human values	II-I ECE, EEE, CE	2021-2022, 2022-2023


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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 emphasis 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 ecosystem for future generations and pollutions 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 or functions applications 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 a hereditary units that is DNA and RNA and their synthetics in the living Organism.
Common to B.TECH all branches	Social values & ethics (15A99501)	Moral value ethical values	<p>Ethics in engineering is ability as well as responsibility of an engineer to judge his decisions from the context of the general well-being of the society it is the study of moral issues that comfort engineers and engineering organization when some crucial decisions are taken engineering research and practice requires that the task being performed considers all the probes and cons of a certain action and its implementation.</p>

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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

File Description	Document
Any additional information	View documents


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

S.NO	DETAILS	URL
1	SYALLABUS	View Document
2	COURSE FILE	View Document


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