

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY: KAKINADA KAKINADA–533003, Andhra Pradesh, India

R-13 Syllabus for MECHANICAL .JNTUK

I Year- II Semester			T	P	C 2
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Prerequisite Course: Students should able to understand the L .S. R.W Skills and task based teaching and learning methods

Course Description and Objectives:

To make the learner understand how modern life has been shaped by technology

To make the learner understand how the unequal heating of earth's surface by the Sun, an atmospheric circulation pattern is developed and maintained

To introduce the technologies of the 20th century and 21st centuries to the learners

inform the learner of the various advantages and characteristics of water

In this lesson, Swami Vivekananda highlights the importance of work for any development.

Course Outcomes:

Upon completion of the course, the student will be able to achieve the following outcomes.

COs	s Course Outcomes	
1	The proposed technology is people's technology. It serves the human person instead of making him the servant of machines	
2	The learner's understand that climate must be preserved	5
3	The learner will adopt the applications of modern technologies such as nanotechnology	4
4	The learners will understand that water is the elixir of life	3
5	The students will learn to work hard with devotion and dedication	4

Syllabus:

DETAILED TEXT-II : Sure Outcomes: English for Engineers and Technologists **Recommended Topics**

1. TECHNOLOGY WITH A HUMAN FACE

OBJECTIVE: To make the learner understand how modern life has been shaped by technology. **OUTCOME**: The proposed technology is people's technology. It serves the human person instead of making him the servant of machines.

2. CLIMATE CHANGE AND HUMAN STRATEGY

OBJECTIVE: To make the learner understand how the unequal heating of earth's surface by the Sun, an atmospheric circulation pattern is developed and maintained. **OUTCOME**: The learner's understand that climate must be preserved.



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3. EMERGING TECHNOLOGIES

OBJECTIVE: To introduce the technologies of the 20th century and 21st centuries to the learners. **OUTCOME**: The learner will adopt the applications of modern technologies such as nanotechnology.

4. WATER- THE ELIXIR OF LIFE

OBJECTIVE: To inform the learner of the various advantages and characteristics of water. **OUTCOME**: The learners will understand that water is the elixir of life.

5. THE SECRET OF WORK

OBJECTIVE: In this lesson, Swami Vivekananda highlights the importance of work for any development. **OUTCOME:** The students will learn to work hard with devotion and dedication.

6. WORK BRINGS SOLACE

OBJECTIVE: In this lesson Abdul Kalam highlights the advantage of work. **OUTCOME**: The students will understand the advantages of work. They will overcome their personal problems and address themselves to national and other problems.

Text Book : 'Sure Outcomes' by Orient Black Swan Pvt. Ltd. Publishers