COURSE TITLE   **: TECHNOLOGY IN SOCIETY**
COURSE CODE   **:**
COURSE CATEGORY   **: C**
PERIODS/WEEK   **: 3**
PERIODS/SEMESTER   **: 54**
CREDITS   **: 3**

RATIONALE

Technicians Engineers, practicing Technology have to be aware of the impact of the technology in the society. Basic knowledge on the development of technology and its social implications will help them to develop and apply the the technology with a humane face. This course is intended to achieve this goal.

TIME SCHEDULE

Module	Topic	Periods
1	Origins of technology	12
2	Transfer of technology	14
3	The flowering of modern technology	16
4	Impact of technology on modern society	12
	TOTAL	**54**

OBJECTIVES

At the end of this course the students should have an understanding of the history of technology, and also the interaction of technology with society. The student should have an appreciation of the contribution of the various peoples, like the Mesopotamians, Egyptians, Greeks, Romans, Arabs, Chinese, Indians and the Europeans, to the development of technology. They should become aware of the nature of the industrial revolution and its impact on society. They should become familiar with the highlights of modern technology, and the forces which shape it. They should also be able to appreciate the problems posed by its unbridled growth, like environmental degradation, resource depletion, and climate change. They should be able to understand and appreciate the need for sustainable development.

CONTENT DETAILS

MODULE - I

Origins of technology – the contributions of Mesopotamia, Egypt, Greece, China and India to the development of technology.

MODULE -II

Arabs and the transfer of technology from East to West - Development of technology in Europe during the middle ages and the Renaissance period - Industrial revolution and its impact on society.

MODULE - III

The flowering of modern technology – Advances in power generation, transportation, space technology, communication, information technology and biotechnology.

MODULE - IV

Impact of technology on modern society - impacts on environment – resource depletion and rising pollution - climate change - Green Technology – Gandhiji's views on technology - Sustainable development.

Reference Books:

a. Technology and Society   : Dr. R.V.G Menon, Pearson Education.