Course Type	Course Code	Name of Course	L	T	P	Credit
OE	**HSO317**	**Philosophy of Technology**	3	0	0	9

Course Objective

The objective of the course is to teach students to think critically about the nature of technology and its role in our lives and our society. This course will focus on four major sets questions: (1) What is technology? (2) What is the relation of science to technology? (3) What is the impact of technology on society and ethics? (4) What is the impact of technology on human lives, ordinary, cognitive, and aesthetic?

Learning Outcomes

Upon successful completion of this course, students will:
- Think philosophically about real-world ethical issues/challenges in scientific research.
- Demonstrate knowledge of the major questions and traditions in the philosophy of technology.
- Reflect on the socially responsible creation and use of technology,
- Understand the challenges to technology as an intellectual and cultural institution.

Unit No.	Topics to be Covered	Lecture Hours	Learning Outcome
1	**Introduction** Defining Technology Science and Technology How do they work? Why Philosophy of Technology?	8	This unit will make students understand the basic concepts in Science and Technology and what is Philosophy of Technology.
2	**Science and Technology** Pure Science, Applied Science and Technology The Technological Culture of Science Responsible approach to Science and Technology	9	This part will help students to know What technology is. How do we define it, study it, understand its relation to nature and humanity?
3	**Art and Artefacts** Technology and Everyday Life Technology and its Usefulness Natural, and Artificial	8	This unit will explain Technology and everyday life, its usefulness, etc.
4	**Technology and Society** Technology & Ethics Technology & Democracy The effect of Corporate Influences on Science and Technology Philosophical-Anthropological Perspectives on Technology	9	This will make students aware of the impact of technology on society and ethics? How should we think about this impact? Where is technology beneficial, and where is it problematic?
5	**Value of Science and Technology** The Value of Science Existential and Materialist Critiques of Technology Pragmatist Theory of Science and Technology Critical Theory	9	The unit will help in understanding the value of science and technology, different philosophical theories of technology.
	Total Credit Hours	42	

Text Books:

1. Craig Hanks (ed.): Technology and values: essential readings, Wiley-Blackwell, Chichester, West Sussex, 2010

2. Carl Mitcham, Thinking Through Technology, University of Chicago Press, Chicago, 1994

3. David Noble, The Religion of Technology: The Divinity of Man and the Spirit of Invention. (Penguin, 1999)

Reference Books:

1. Aihwa Ong and Stephen J. Collier, Global Assemblages: Technology, Politics and Ethics as Anthropological Problems, Blackwell, 2005.

2. Scharff, R.C. & Dusek, V. (Eds.). Philosophy of technology: the technological condition: an anthology. Malden, MA: Wiley-Blackwell, 2007

3 David M. Kaplan, Readings in Philosophy of Technology, Rowman & Littlefield, 2004

4. Kristin Shrader-Frechette and Laura Westra, Technology and Values, Rowman & Littlefield, New York, 1997

5. John Dewey, Art as Experience, Penguin 2005

6. Larry A. Hickman, Philosophical Tools for Technological Culture, Indiana University Press, Bloomington, 2001.

7. Donald A. Norman, Things That Make Us Smart: defending human attributes in the age of the machine, Addison-Wesley Longman Publishing Co., Inc. Boston, MA, 1993.