

Course Type	Course Code	Name of Course	L	T	P	Credit
OE	HSO 321	Technology, Culture and Society	3	0	0	9

Course Objective

It intends to make students comprehend the aspects of a technologized society. In other words, it helps them to understand the intertwined interaction between technology, culture and society. It explains how technologies change across culture and how innovations change social systems.

Learning Outcomes

By the end of this course, students will be able to:

- Analyse the intersection of technology and society
- Understand how technology is socially constructed and culturally different
- Identify the value of technology for our natural world as well as human wellbeing

Unit No.	Topics to be Covered	Lecture Hours	Learning Outcome
1.	Introduction to the Course	1	Learn about the syllabus and the topics to be covered
2.	History of Technology: Industrial revolution Post-independent India (Nehru-Mahalanobis Model)	5	Learn about the history and evolution of technology
3.	Social Shaping of Technology: Social determinism and technological determinism Technology and human bodies Society behind innovations	6	Learn about the social construction of technology
4.	Technology and the ‘Self’: Social Theories of Understanding Self Bodies and Identity	5	Learn how we see ourselves in a technologically sophisticated world
5.	Networking Human Interactions: Webbed relationship and the concept of ‘Family’ Internet-based social institutions Bridging the gap- bringing the world together	5	Learn about the aspects of our individual and social interactions within the networked society
6.	Technology, Economy and Work: Agrotechnology CNC machines and work culture Rise of the ‘Apps’	4	Learn about the economic activities and developments with reference to various technological interventions
8.	Environment and Technology: Green technology Social environment and ergonomics	5	Learn about the intrinsic relationship between natural as well as social environment

	Technology in conservation		and technology
9.	Technology, Healthcare and Wellbeing: The differently-abled and aged bodies Computer-assisted treatment methods Life-supporting technologies	7	Learn how technology and healthcare are interdependent and how modern technology affects our wellbeing
10.	Socio-cultural Aspects of Emerging Technologies: Wearables, Automated driving Bio-technology, Renewable energy	4	Learn about the new and emerging technologies and their social implications
TOTAL LECTURE HOURS		42	

Text Books:

1. Allenby, B. R., & Sarewitz, D. (2011). The techno-human condition. MIT press.
2. Douglas, D. G. (2012). The social construction of technological systems: New directions in the sociology and history of technology. MIT press.
3. Oudshoorn, N., & Pinch, T. (2003). How users matter: the co-construction of users and technology (inside technology). The MIT Press.

Reference Books:

1. Arnold, D. (2000). Science, technology and medicine in colonial India (Vol. 5). Cambridge University Press.
2. Corneliussen, H. (2011). Gender-technology relations: Exploring stability and change. Springer.
3. Habib, S. I., Raina, D., & Baber, Z. (Eds.). (2007). Social history of science in colonial India. New Delhi: Oxford University Press.