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INSTITUTE	University of Hyderabad
COURSE OUTLINE	<p>Introduces the course. Describes the interconnections</p> <p>Explicates the foundation of social studies of science at the intersection of the three disciplines</p> <p>How society and culture condition all knowledge, except scientific knowledge</p> <p>Social and cultural aspects of science and scientific community</p>

COURSE DETAILS

S. No	Module ID/ Lecture ID	Lecture Title/Topic
1	M1L1	Science- technology- society interrelations
2	M1L2	Interconnections between philosophy, history and sociology of science: empiricist, rationalist philosophy of science history of science
3	M1L3	-do-
4	M1L4	Sociology of knowledge: Karl Mannheim
5	M1L5	Robert Merton's (1973) Sociology of science paradigm
6	M1L6	Disputes over Priorities
7	M1L7	The Mathew Effect and inequalities in science
8	M1L8	Institutionalized patterns of evaluation: peer review system
9	M1L9	Critique of Merton's paradigm
10	M1L10	Thomas Kuhn's Structure of Scientific Revolutions (1962): The notion of paradigm and incommensurability of paradigms

11	M1L11	Normal science
12	M1L12	Anomalies and crisis in science and emergence of a new paradigm
13	M1L13	Scientific revolutions as political revolutions
14	M2L14	Barry Barnes (1974) on Scientific knowledge and culture relations
15	M2L15	Social construction of scientific knowledge
16	M2L16	Interests model and scientific controversies
17	M2L17	Karl Marx's theory of science-technology and society relations
18	M2L18	Porosity of the internal world of science and its external world: Bruno Latour's (1983) work
19	M3L19	Changing conceptualization of the relations between science and technology Technological determinism and Social shaping of technology
20	M3L20	Political dimension of artefacts
21	M3L21	Meanings and power relations in design of technology
22	M3L22	Institutional factors and technology development
23	M3L23	Machine- man relations Karl Marx
24	M3L24	Technology and exclusion: Feminist theories of technology
25	M3L25	Gender and Manufacturing technology
26	M3L26	Gender and reproductive technology
27	M3L27	Technology and social relations in the family
28	M3L28	Social Construction of Technology (SCOT)
29	M4L29	Science: from public resource to intellectual property; the changed institutional context of knowledge production under the WTO provisions on IPRs
30	M4L30	Agricultural biotechnology
31	M4L31	Technology and organization of work
32	M4L32	Technology and Ethics

33	M5L33	Science in pre-colonial India
34	M5L34	Technologies in precolonial India
35	M5L35	Science in colonial India
36	M5L36	Technology in colonial India
37	M5L37	Science and technology policies in independent India: Scientific Policy Resolution (SPR) of 1958; Technology Policy Statement (TPS) of 1984; Science and Technology Policy of 2000; and Science Technology and Innovation policy of 2013
38	M5L38	Technological self-reliance in space, agriculture and nuclear energy
39	M5L39	Critique of modern science and technology in India
40	M5L40	Science technology and innovation in India in the context of the WTO provisions on IPRs

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