

FOR CANDIDATES ADMITTED IN 2023.

MINOR (SOCIOLOGY)

SIXTH SEMESTER

IDC Minor 601

Total lectures (45 L+15 T)/ Credit = 4

Title of the Course:	Science, Technology and Society
----------------------	---------------------------------

Course Content	
Module: -1	i) Conceptual Understanding of Science and Technology: Meaning of Science and Technology, difference between science and technology, relation between Science and technology and its impact on society Philosophy of Science and Methods of Science ii) Science and Technology: Classical and contemporary sociological thought : Contributions of Comte, Durkheim, Vienna School iii) Karl Popper's notion of Falsification-Thomas Kuhn's notion of Paradigm and Scientific Revolution
Module: -2	i) Technological change and Impact on Society: Technological change and impact on Social structures and Processes ii) Technology and change in sphere of Economy and Work iii) Interplay of Technology, Polity and Power structures iv) Social movements and Role of social media
Module: -3	Opportunities, Challenges, and Path Ahead: i) Technology, Media, Identity and global society ii) Conformity and Deviance and Role of Science and Technology iii) Social inequalities, Social exclusion and Digital divide; Technology and developmental issue
Module: -4	Issues in Science, Technology and Society: i) Science and Technology policy of Government of India: Intellectual property rights: The Patent Act of India 1911 and the Indian Patent Act of 1970; IP rights in India and progressive harmonization with international standards; Patent Amendment Act (2005); Science, technology and ethical issues

Prasanna Jay
17.5.26
Anish Phurath
09/05/26

BS
08/05/26

Members Present-
online -
1. Dr. Kumar Chetri
2. Anirita Middey,
3. Sanat Kr. Singh
4. Rohini Khattam

Google
meet
ID -
1Pe-dxfk-
sme.

	ii) Women in Science-Gender and Science-Has feminism changed science?-feminist epistemology-Eurocentrism-the Enlightenment-racism and science-colonial science-human body and science-Craniology and comparative anatomy in the 19th century-eugenics-caste and gender in Indian science iii) How gender influences technologies and the social organization of scientific and technical workspaces---technologies constructed as masculine and feminine---technologies as both 'liberating' and 'limiting' women---contributions of Cynthia Cockburn & Donna Haraway
Suggestive Readings:	Bernal, J. D. (1939). The social function of science. New York, Macmillan. Chant, Colin and Besse, Richard. (1989). Science, Technology and everyday life, 1870-1950. London: Routledge. Kuhn, Thomas. (1962). The structure of scientific revolution. University of Chicago Press. Mackenzie, D. and Wajcman, J. (1985) The social shaping of technology. Milton Keynes: Open University Press. Merton, R. K. (1973). Sociology of science, theoretical and empirical investigation. Chicago: University of Chicago Press. Prasad, Rajeshwar (ed.). (1995). Science, Technology and quality of life. Agra: Y. K. Publishers. Wenda K. Bauchspies, Jennifer Croissant, Sal Restivo. (2005). Science, technology and society: A sociological approach. Wiley-Blackwell Wiebe E. Bijker, Thomas P. Hughes, Trevor Pinch (editors) (1989) The social construction of technological systems: New directions in the sociology and history of technology. The MIT Press. Nandy, Ashis 1988. Science, Hegemony and Violence: A Requiem for Modernity. New Delhi: Oxford University Press. Nanda, Meera 2002. Breaking the Spell of Dharma and Other Essays. New Delhi: Three Essays Collective. Nanda, Meera 2004. Prophets Facing Backward: Postmodern Critiques of Science and the Hindu Nationalism in India. New Brunswick: Rutgers University Press. Pickering, Andrew (eds.). 1992. Science as Practice and Culture. Chicago: Chicago University Press. Schiebinger, Londa. 1999. Has Feminism Changed Science? Cambridge and London: Harvard University Press.

Prakash K. S.
7.5.26
Shrindya Bhanu
07/05/26

28
07/05/26

	Shinn, Terry, and Richard Whitley, ed. 1985. Expository Science: Forms and Functions of Popularisation. Vol. Edited. Dordrecht, Boston and Lancaster: D. Reidel Publishing Company. Shiva, Vandana 1989. Staying Alive: Women, Ecology and Development. London: Zed Publishers. Irwin, Alan 1995. Citizen Science: A Study of People, Expertise and Sustainable Development. London and New York: Routledge. Irwin, Alan and Wynne, Brian (eds.) 1996. Misunderstanding Science? The Public Reconstruction of Science and Technology. Cambridge: Cambridge University Press. Raina, Rajeswari S. (eds.). 2015. Science, Technology and Development in India: Encountering Values. Hyderabad: Orient Blackswan. Rodder, Simone, Franzen, Martina and Weingart, Peter (eds.) 2012. The Science's Media Connection—Public Communication and its Repercussions. Sociology of the Sciences Year Book 28. Dordrecht, Heidelberg, London and New York: Springer.
--	---

Indira Sena
7.5.26

08/05/26

Anish Bhunia
09/05/26

FOR CANDIDATES ADMITTED IN 2023

MINOR (SOCIOLOGY)

SEVENTH SEMESTER

IDC Minor 701

Total lectures (45 L+15 T)/ Credit = 4

Title of the Course:	Social Problems in India
----------------------	--------------------------

Course Content	
Module: -1 (11L)	i) Social Problems, Theoretical approaches to Social Problems; ii) Social Problems and Disorganization. Causes & Types of Social Disorganization. Types of Social Problems; Consequences of Social problems iii) Approaches to Social problems: Functionalism; Examples of Functionalism; Functionalist Perspective; Conflict theory ; Conflict Perspective; Limitations; Interactionism; Definition of Interactionism; Symbolic Interactionist Perspective; Limitations
Module: -2 (11L)	Social Problems in India I: i) Population Explosion: Increase in Population, Causes, Effects, Population Policy ii) Poverty and Unemployment: Conceptual debate; Causes; Rural Poverty; Effective Measures in Poverty Alleviation; iii) Alcoholism and Drug Addiction: The concept, Extent of Alcoholism, Causes, Treatment of Alcoholics; Drug addiction, Causes, Role of family and peer groups, Preventing drug abuse and combating drug addicts.
Module: -3 (11L)	Social problems concerning Women and Children: i) Violence against Women: Nature, Types: Dowry; Domestic violence; Rape; Acid Attacks, Harassment at Workplace; Theoretical Explanation of Violent Behaviour, Controlling Violence against Women; ii) Child Abuse and Child Labour: Child Population and working children; Types of child abuse; Causes of child abuse; Effects of abuse on Children; The problem of child labour. iii) Deviance among Children: Concept of Juvenile delinquency; children in conflict with law and children in need of care and protection; Causes and Types of deviance among Juveniles ; Preventive measures; Juvenile justice

7.5.26

07/05/26

07/05/26

Members Present
online -
1. Dr. Kumar Chetty
2. Anshu Midday
3. Sanjay Kr. Singh
4. Mahim Khosla
Google sheet
Id -
1pe -
4xjk
3mer

	system. iv) Female infanticide and Foeticide: Female infanticide – concept, causes, types, preventive measures; Female foeticide, Causes, Consequences, Possible solution.
Module: -4 (11L)	Social problems in India II: i) Suicide: Meaning, Types, Causes; Durkheim's views on Suicide. Problems faced by the Elderly in India iv) Corruption: Meaning, Forms and causes, Anti-corruption movements in India ii) Communalism and Secularism: Concept of communalism, Communal violence in India; Understanding Secularism in India. iii) Unemployment: Definition and Concept; Types of unemployment: Frictional, Cyclical, Seasonal, Structural, Technological & Disguised. Causes of unemployment in India; Unemployment in India: Remedies Effects of unemployment in India
Suggestive Readings:	Ahuja Ram. 1999. Social problems in India, Rawat Publication: New Delhi. Durkheim, Emile. 1951. Suicide, New York: Free Press Elliot, Mabel A and E. F. Merrill. 1961. Social Disorganization, Harper and Brothers, Gurr, Ted Robert 1970. Why Men Rebel, Princeton: Princeton University Press. Madan G.R. 1976. Indian Social problems, Allied Publisher, New Delhi. Mohanty, BB. 2005. We are Like the Living Dead: Farmer Suicides in Western India, The Journal of Peasant Studies, Vol. 32, No. 2. Robert K. Merton and Robert Nisbet, (ed.). 1971. Contemporary social problems, Harcourt Brace, New York. Beteille, Andre 1992. Backward Classes in Contemporary India, New Delhi: OUP Beteille, Andre 1974. Social Inequality, New Delhi: OUP Bereman, G.D. 1979. Caste and Other Inequalities: Essay in Inequality, Meerut: Folklore Institute. Dube, Leela, 1997. Women and Kinship, Comparative Perspectives on Gender in South and Southeast Asia, New Delhi: Sage Publication. Desai, Neera & Usha Thakkar 2007. Women in Indian Society, Delhi: National Book Trust. Gadgil, Madhav and Ramchandra Guha 1996. Ecology and Equality: The use and Abuse of Nature in Contemporary India, New Delhi: OUP. Gill, S.S. 1998, The Pathology of Corruption, New Delhi: Harper Collin

Indresh Chaudhary
11.7.15.26

Anindya Bhattacharya
07/05/26 -

08
07/05/26

Publishers.

Lewis, Oscar 1966. Culture of Poverty "Scientific American" Vol-II and V No.IV

Madan, G. R 1976. Indian Social Problems, New Delhi: Allied Publishers.

Satya Murty, T.V. 1996. Region, Religion, Caste, Gender and Culture in Contemporary India, New Delhi:

Turner, Jonathan (1995). "Macrodynamics: Toward a Theory on the Organization of Human Populations." New Brunswick: Rutgers University Press

Sudesh Chandra
7.5.26

Anindya Bhattacharya
07.05.26

AB
07.05.26