



SOCIOLOGY OF SCIENCE

Prof. ANINDYA JAYANTA MISHRA

Department of Humanities and Social Sciences

IIT Roorkee

INTENDED AUDIENCE : B.Tech M.Tech M.A Sociology MBA Professionals

COURSE OUTLINE :

This course aims to stimulate inspire and provoke awareness of science and technology impact on society and vice versa The course will also discuss the various theoretical underpinnings of science and technology in society The course will also focus on the impact of science and technology on international relations social institutions social groups and on everyday life. One of the learning outcome upon completion of the course would be that students will have a better understanding of the complex relationship between science and technology and between science technology and society. When you have finished this course you will be able to explain developments in science and technology in terms of their interactions with social cultural environmental and other issues.

ABOUT INSTRUCTOR :

Prof. Anindya J. Mishra is a Gold Medal awardee in MA Sociology from Hyderabad Central University. He has obtained a Ph.D. in Sociology from IIT Kanpur in 2005. His research interests include Social Gerontology, Sociology of Health, Sociology of Work, and Science, Technology and Society. He has a teaching experience of 11 years at Indian Institute of Technology Roorkee where he has been teaching the Under graduate and Post Graduate students since 2006. An Associate Professor of Sociology in the Department of Humanities & Social Sciences, Dr Mishra has his credit about 20 papers in reputed national and international journals besides having contributed significantly to various anthologies/conferences. He has conducted workshops and short-term courses for teachers as well as corporate professionals. In 2012,13, he has delivered invited talks at London, Kuala Lumpur and Bangkok on Ageing in India, Healthy Ageing and Health and Economic Development.

COURSE PLAN :

Week 1: Introduction to Sociology, History of Science, Role of Social Sciences in Technology Institutes

Week 2: Sociology of Science: Social Shaping of Science, Ethos of Science, Matthew Effect in Science

Week 3: Structure & Methodology of Science: Structure of Scientific Revolution, Science as Falsification, Scientist as Indexical Reasoner

Week 4: Science and Technology in India: Science & Technology in Colonial India, Development of Indian Science, Peer Review in Indian Science