



# SCIENCE, TECHNOLOGY AND SOCIETY

## **PROF. SAMBIT MALLICK**

Department of Humanities and Social Sciences

IIT Guwahati

**INTENDED AUDIENCE :** UG and PG students of Humanities and Social Sciences, Sciences and Engineering

## **COURSE OUTLINE :**

The objective of the course is to enable students to understand science as a socio-cultural product in specific socio-historical contexts. The course exposes students to philosophical, historical and sociological perspectives to look at science as a practice deeply embedded in culture and society. It emphasizes the dynamic nature of the relations between wider cultural practices on one hand and scientific practices on the other. The attempt is to equip students with an understanding indispensable for an in-depth study of science-technology-society dynamics.

## **ABOUT INSTRUCTOR :**

Prof. Sambit Mallick is an Associate Professor of Sociology at the Department of Humanities and Social Sciences, Indian Institute of Technology Guwahati. He specializes in the sociology of science and technology, and also includes historical sociology and philosophy of the social sciences among his research interests. His research and teaching are at the intersection of 'philosophy', social theory, and science and technology studies. His courses under NPTEL have attracted a large number of students even from the remote areas in India and abroad.

## **COURSE PLAN :**

**Week 1:** Science, Technology and Society: Cognitive and Ethical Dimensions

**Week 2:** Science, Technology and Society: Methodological Dimensions I

**Week 3:** Science, Technology and Society: Methodological Dimensions II

**Week 4:** Science, Technology and Society: Methodological Dimensions III

**Week 5:** Inequalities in Science I

**Week 6:** Inequalities in Science II

**Week 7:** Technology as Knowledge

**Week 8:** Social Shaping of Technology I

**Week 9:** Social Shaping of Technology II

**Week 10:** Social Shaping of Technology III

**Week 11:** Information Society

**Week 12:** Science and Technology in India