



INCLUSION AND TECHNOLOGY DESIGN

PROF. BIDISHA CHAUDHURI
PROF. AMIT PRAKASH
IIT Madras

TYPE OF COURSE : New | Elective | PG
COURSE DURATION : 4 weeks (26 Aug'19 - 20 Sep'19)
EXAM DATE : 17 Nov 2019

PRE-REQUISITES : Anybody with a Bachelor's degree in any discipline

INDUSTRIES APPLICABLE TO : Companies/organizations engaged in designing digital products for diverse social groups • Companies/organizations interested in leveraging digital technologies to complement their existing delivery channels

COURSE OUTLINE :

There is increasing evidence to suggest that meaningful access to ICTs and capabilities required for their effective use are enconced in myriad interactions between individuals' skills, social positions and their larger network of social relations. Hence, when we think of an inclusive [digital] society, we need to focus on these issues as important factors shaping people's engagement with ICTs. This course presents a brief conceptual and practical toolkit for combining the technical and social support required for achieving greater inclusion in the design of ICTs. Towards this end, we will look at three axes through which exclusion usually takes place, namely, class, disability and gender. The aim of the course is to highlight the ways in which technologies can become exclusive, how it could impact different segments of the society and how we can think of alternative design principles that will make our ICTs more inclusive.

ABOUT INSTRUCTOR :

Prof. Bidisha Chaudhuri is an Assistant Professor at the International Institute of Information Technology Bangalore (IIITB). She has completed her PhD from the South Asia Institute at the Heidelberg University, Germany. Her research interest includes e-Governance, Public Policy reform, Gender and Development, South Asian politics, Information Communication Technology (ICT) for Development. She teaches undergraduate and graduate courses on social theories and relationship between technology and society.

Prof. Amit Prakash is an Associate Professor at the International Institute of Information Technology Bangalore (IIITB). At IIITB, he is also the Convenor of the Centre for IT and Public Policy and is in the core team of the E-Health Research Centre

COURSE PLAN :

- Week 1:** Introduction: The political nature of technology designs
- Week 2:** Missing Women in Tech: Why lack of female technologists matters for technology design and development? Gender and Technology: Challenges and Concerns ICTs and Gender: Field Concerns and Project Management Critical for Technology Design
- Week 3:** Accessibility Fundamentals I: An Introduction to the Research Agenda Accessibility Fundamentals II: Disabilities, Guidelines, and Laws Designing an Assistive Technology Ecosystem: STEM Education for Visually Impaired Students
- Week 4:** Inclusion in designing ICT for Development projects: Who [should] matter? Digital labour, platforms, and the future of work Conclusion