



School of Humanities and Social Sciences
IIT Indore



INVITES YOU TO A LECTURE ON

THE FAIRNESS ILLUSION OF ALGORITHMIC SYSTEMS: UNPACKING DIGITAL INNOVATIONS AND THEIR BIASES

Speaker

Dr. SWATI KUMARI
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Abstract:

Digital innovations are often celebrated as engines of progress, promising efficiency, objectivity, and democratization. This presentation critically examines the paradox of digital innovation, highlighting how algorithms and AI-driven systems, rather than being neutral tools, often reproduce and exacerbate historical biases. While digital technologies are frequently lauded for their efficiency and objectivity, they are deeply embedded with societal values, institutional priorities, and economic incentives that shape their design and impact. Through case studies such as biased facial recognition, discriminatory hiring algorithms, and content recommendation systems, this talk demonstrates how digital tools can reinforce systemic inequalities. Furthermore, it explores the sources of algorithmic bias, including biased training data and flawed design assumptions, and discusses strategies for mitigation through ethical innovation, regulatory frameworks, and inclusive design. By interrogating the complexities of digital technologies, this presentation advocates for a critical and socially responsible approach to AI development.

Venue:

POD-1C (SHSS Seminar Hall-301)

Date:

4 March Tuesday (10:30 AM to 11:30AM)