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HUMAN – AI COLLABORATION: COGNITIVE CHALLENGES IN INTERACTING WITH GENERATIVE AI AGENTS

PROF. HARSHIT MAURYA

LECTURER

O.P. JINDAL GLOBAL UNIVERSITY

Prof. Harshit Maurya is a Lecturer in the Information Systems and Analytics area at Jindal Global Business School (JGBS). He holds a PhD in Information Systems from the Indian Institute of Management, Lucknow, and a bachelor's degree in Electrical Engineering from Harcourt Butler Technical University (HBTU), Kanpur, where he graduated as a Gold Medalist. His research interests encompass Generative Artificial Intelligence, Future of Work, Human-AI Collaboration, and Computationally Intensive Theory Construction. His work has been recognized internationally, with acceptance at prestigious conferences and workshops, including the International Conference on Information Systems, JAIS Theory Development Workshops, and SIG HCI Workshops. Additionally, his work has been published in renowned journals such as the Communications of the Association for Information Systems (ABDC-A). Further, he has also been awarded a research grant of \$5,000 in API credits by OpenAI through its Researcher Access Program to support his thesis work.

The recent advancements in the cognitive capabilities of generative artificial intelligence (Gen AI) agents have enabled them to transcend their role of merely a tool and instead act as a team member, capable of collaborating with human agents to accomplish complex tasks like creating images, writing codes and developing blogs. However, our understanding of human agents' cognitive challenges while collaborating with Gen AI agents is limited. The present research investigates language-specific challenges that human agents face while interacting with Gen AI agents. In line with the linguistic perspective, our initial analysis indicates the emergence of two key language-specific challenges, namely semantic challenge, and pragmatic challenge. We expect the findings of this ongoing study will provide valuable insights into the emerging phenomenon of collaboration between human and Gen AI agents.

MODERATOR: PROF. RAVINDER KUMAR VERMA, ASSISTANT PROFESSOR, JINDAL GLOBAL BUSINESS SCHOOL

FRIDAY

31st OCT

04:00 PM-05:00 PM

LINK



Meeting Link: <https://zoom.us/meeting/register/Tprd0XrET8uNc3KrcLobLw>
Password: JGU