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6th International Conference on Data Analysis and Management

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&
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&
BPIT, GGSIPU, Delhi
Date: 13th - 14th June 2025

************** CALL FOR PAPERS ***************

SPECIAL SESSION ON
Agentic AI in Software Engineering: Emerging Research Opportunities and Challenges

SESSION ORGANIZERS:
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SESSION DESCRIPTION:
This session aims to explore the intersection of agentic AI and software engineering by bringing together researchers and practitioners to discuss ongoing work, literature reviews, conceptual frameworks, and early-stage studies. We invite contributions that examine both the theoretical and practical dimensions of AI-driven autonomy in software engineering. This session will serve as a platform for networking, feedback, and shaping future research directions.

RECOMMENDED TOPICS:
Topics to be discussed in this special session include (but are not limited to) the following:

- **Agentic AI in software design, testing, and debugging**
- **AI-driven software engineering methodologies**
- **Ethical, legal, and security challenges in AI-powered development**
- **Human-AI collaboration in software engineering**
- **Case studies of agentic AI in software engineering**
- **Agentic AI in Verification and validation**

Researchers and practitioners are invited to submit papers for this special theme session on **Agentic AI in Software Engineering: Emerging Research Opportunities and Challenges on or before 10th May 2025] .** All submissions must be original and may not be under review by another publication. INTERESTED AUTHORS SHOULD CONSULT THE CONFERENCE'S GUIDELINES FOR MANUSCRIPT SUBMISSIONS at https://icdam-conf.com/downloads . All submitted papers will be reviewed on a double-blind, peer-review basis.

NOTE: While submitting a paper in this special session, please specify **[Agentic AI in Software Engineering: Emerging Research Opportunities and Challenges]** at the top (above paper title) of the first page of your paper.

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