Seminar

Use of AI tools in scientific content creation: How does it work and what are the ethical implications?

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For a long time, it was hard to believe that there were only 15 episodes of Mr. Bean! One feels this way because of the immense impact Mr. Bean has had on popular culture. Now, it is even more shocking to realise that ChatGPT, the generative AI tool, was launched only less than a year ago. Scientific journal publishers have begun issuing ethical guidelines for using AI tools while creating scientific content. These guidelines include generating figures within a manuscript, the abstract, summary, conclusions, and even the main text. Meanwhile, in the software industry, the ascent of ChatGPT was felt as a doomsday situation for coders. However, software developers, especially those who can use AI tools in their coding pipeline, have gained more importance over time. In this seminar, I will briefly discuss the science behind ChatGPT and present examples to show how, for many tasks, one can use ChatGPT as an efficient research assistant (who sometimes will need more back-and-forth conversation). I will also present examples of ChatGPT getting high-school-level science wrong and providing confusing answers. Finally, I will summarise the ethical guidelines provided by the scientific journal publishers, emphasising concerns about originality and credibility when employing AI tools for content creation.

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2:30 PM (Tea / Coffee 2.15 PM)

Auditorium, TIFR-H