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## **Critical Analysis of Copyright and its Digital Content in Context of AI in India**

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Abstract: Artificial intelligence is recognized to be capable of mimicking the intellectual thinking of a human being. The role of Artificial Intelligence has been increased in the area of medical science, transportation, aviation, space, education, entertainment (music, art, games, and films), industry, and many other sectors which transformed our day-to-day lives. AI plays very important role in copyright, patents, designs, and trade secrets among various types of IPRs. AI also inter-related with compose music, write blogs, novels, poetry, generate paintings and drawings. This distinction however, has to be made between the works created by a human being alone with the help of AI and the one created by AI itself without any human intervention. The present paper discusses how AI is important in producing creative works such as arts, music, poem, novels as well as the issues of authorship and "deep fakes" in the work produced by the AI autonomously.

This abstracts explores the complexities of copyright law in India in relation to AI-generated content, focusing on musical works. The focus area of the research paper is to understand the upcoming challenges of the copyright protection relating to AI.

The research paper raises a question on the relationship between use of Artificial Intelligence and the protection of copyright. Artificial Intelligence is a weapon in the hands of many which is being misused it. The research paper suggests certain solutions to avoid such misuse by referring to the AI regulation provisions of different foreign nation-states and specific laws related to it.

**Keywords:** artificial intelligence, copyright law, intellectual property rights, AI-generated works, copyright ownership, copyright infringement and etc

