Role of Artificial Intelligence in Pharmacy

Ms. S. S. Satkar[1], Ms. P. A. Jadhav[2], Mr. T. A. Randhe[3]
Assistant Professor. Department of Pharmaceutical Sciences[1]
Final Y. B. Pharm Student, Department of Pharmaceutical Sciences[2,3]
IVM's Krishnarao Bhegade Institute of Pharmaceutical Education & Research, Talegaon Dabhade, India

Abstract*: The use of artificial intelligence in pharmaceutical technology has grown over time. This is because technology may be used to save costs and time, as well as to better comprehend the interactions between various formulations and process parameters. A subfield of computer science called artificial intelligence studies problem-solving with the use of symbolic programming. It has significantly advanced into a science of problem-solving with numerous applications in engineering, business, and healthcare. Artificial intelligence has enormous potential for solving health-related issues First of all. Artificial intelligence (AI) approaches have reached a degree of maturity where they can be used to support human decision-makers in real-world scenarios. Artificial Intelligence (AI) holds promise for revolutionising clinical trial design, from study planning to trial execution, with the goal of increasing trial success rates and reducing pharmaceutical R&D costs. The present study explain various pharmaceutical areas in AI plays an important role for development and growth of pharmaceutical industry.*

Keywords: Tools of AI, challenges to adoption of AI in pharma, application of AI, drug discovery, Artificial Intelligence

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452