Chapter - 4
Prospective Aftermath of Artificial Intelligence in Pharmaceutical Sector

Authors

Deepak Sarangi
Roland Institute of Pharmaceutical Sciences, Brahmapur, Odisha, India

Suman Kumar Mekap
Centurion University of Technology and Management, Odisha, India

Chapter - 4

Prospective Aftermath of Artificial Intelligence in Pharmaceutical Sector

Deepak Sarangi and Suman Kumar Mekap

Abstract

Artificial Intelligence (AI), has been playing a significant role in the world in the past few decades. In fact, many of us do not realize the way in which artificial intelligence can present itself in their life style. The most important sector where AI is growing rapidly is the medical field, especially in treatment management and diagnostic. AI has overcome the intelligence of human tasks and ability. Several research papers have shown that in future Artificial Intelligence can support aid in clinical decisions, human judgment, and increase treatment efficiency. This technology is a pinnacle of human intelligence and computer processing. It is a progressed version of computer-aided technique that consists of collecting the data's from various sources, then preparing rules accordingly to be followed for handling the specified information, and drawing possible outcomes to determine appropriate results and conclusions.

Keywords: AI, artificial neural network (ANN), machine learning, generative adversarial networks (GAN), electromyographic (EMG)

Introduction

Artificial Intelligence is a field of computer science that parodist human cognitive functions. It has brought a ideal shift in the pharmaceutical field due to the increase in healthcare data and rapid enhancement of analytical techniques. It is the subsidiary part of engineering which deals with making of intelligent machines notably intelligent computer programs and software's. It is the potential of a computer or a robotic computer enabled system to process the given information and produce results in a manner identical to the attention process of humans in decision making, learning, and solving problems [1]. The artificial intelligence term was used in the year 1956, and the concept was used from the year 1950, under the topics of problem solving and symbolic methods [2]. The sequence of the events in the