

# Artificial Intelligence and Its Applications

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**Abstract:** *The realm of Artificial Intelligence is the discipline of crafting intelligent machines and smart computer systems through science and engineering. It is connected with parallel endeavors in utilizing computers to grasp human intelligence though intelligence can transcend methods that are biologically observable. Although there is no universally agreed upon definition for Artificial Intelligence (AI), it is typically recognized as the field of computer science which can emulate human cognitive functions that include but are not limited to processes like perception, reasoning or decision-making. This research paper focuses on what artificial intelligence is all about, how we are depended onto AI in our daily life or what are the applications of AI, Different AI tools or machines powered by AI.*

**Keywords:** Machine Learning, Natural Language Processing, AI Tools, Neural Network