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REVOLUTIONIZING EDUCATION - HARNESSING THE POWER OF ARTIFICIAL INTELLIGENCE

Ashalata Bedant*

Sapna Rani**

ABSTRACT

Artificial Intelligence (AI) represents a transformative field at the intersection of computer science, mathematics, and cognitive science. This abstract explores the evolution, applications, and implications of AI. From its early foundations in rule-based systems to contemporary advancements in machine learning and neural networks, AI has rapidly progressed. Its applications span diverse domains, including healthcare, finance, and autonomous systems. However, ethical considerations and societal impact raise critical questions. This abstract delves into the multifaceted nature of AI, highlighting its potential benefits and challenges, while emphasizing the need for responsible development and deployment in our increasingly AI-driven world.

Keywords: Machine learning, Robotic, Computer Vision, Human Machine

* Asst. Professor, Varun Dhaka Institute of Technology affiliated to GGSIP University, Delhi

** Lecturer, Institute of Vocational Studies affiliated to GGSIP University, Delhi

INTRODUCTION

Artificial Intelligence is the science of making machine that can think like humans. It can do things that are considered “smart”. AI technology can process large amounts of data in ways, Unlike humans. The goal for AI is to be able to do things such as recognize patterns, make decisions, and judge like humans. Artificial intelligence in education plays a crucial role by personalizing learning experiences, automating administrative tasks, providing instant feedback, and enhancing educational content through adaptive technologies. It enables tailored learning paths for students, making education more accessible and effective. Various components are involved in artificial intelligence with supports classroom teaching and learning process. Few of them may be:-

- Learning
- Reasoning