

Artificial Intelligence Human Intelligence: Analogy, Relationship and Incorporation

Ms. B. N. Ganthade

Lecturer, Dept. of E&TC

Amrutvahini Polytechnic, Sangamner, India

Abstract: *Artificial Intelligence (AI) and Human Intelligence (HI) are two distinct yet complementary forms of intelligence that continue to evolve and interact in profound ways. While AI is characterized by its ability to process vast amounts of data, recognize patterns, and perform complex computations at high speed, HI remains unparalleled in creativity, emotional intelligence, critical thinking, and ethical decision-making. This research paper explores the key differences between AI and HI, analyzing their strengths, limitations, and areas of overlap. It also examines how AI and HI interact across various domains, including healthcare, education, business, and scientific research, where AI enhances human decision-making and problem-solving capabilities. Furthermore, the paper discusses the potential for integration between AI and HI, envisioning a future where hybrid intelligence systems leverage the computational power of AI alongside human cognitive flexibility and ethical reasoning. Finally, the study addresses the ethical and societal implications of AI-human collaboration, emphasizing the importance of responsible AI development. The findings highlight the necessity of balancing technological advancements with human values to create intelligent systems that serve humanity effectively. The paper concludes by discussing potential future directions and unresolved questions in AI-HI research..*

Keywords: Artificial Intelligence (AI), Human Intelligence (HI), Analogy-homogeneity, Incorporation-fusion

