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Research Problem Statement

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Artificial Intelligence, integrated with robotics have transformed the mechanical efficiency, reliability and advancements with enhanced optimization. The integration has not only improved the decision-making process but have also enhanced the overall efficiency of the mechanical domains such as assembly lines, manufacturing, large scale inventory management, etc. however, there still are concerns about reliability, efficiency and smart thinking capability of the robotics integrated with artificial intelligence.

The technological advancement has changed the world and its mechanic has enhanced the functioning of the world. The initiation of artificial intelligence is one of the chief components of scientific progression and it helped in improving the productivity and efficiency of various daily life tasks. The big firms are investing in artificial intelligence for improving their productivity and efficiency, and its demand will increase more in the future. There is a need for integrating such advancement in technology because survival in the competitive environment will become almost impossible in the near future. However, the identification of threats and issues related to the implementation of artificial intelligence cannot be ignored. For instance, integration of artificial intelligence will replace many manual jobs that will increase the problem of unemployment. The adoption of technology and robotics will allow humans to use them for performing functions of the organization. Whereas, the adoption of technology and robotics will allow humans to use for performing functions of the organization, so it is contributing to the growth of the organization and its employees. Therefore, the impact of artificial intelligence is positively and also adversely affecting the lives of the people. They are now in need of the technological ease which is provided in the form of advancement through incorporating artificial intelligence into the functions of machinery on the domestic or organizational level, regardless of the repercussions it imposes on the mental, physical and social wellbeing of the society.

The purpose of this study will be to analyze and evaluate the reliability, efficiency and smart thinking capability of the robotics integrated with artificial intelligence. This is still a gray area in domain of ethical and efficient mechanical efficiency as some claim that even though artificial intelligence may overcome the uncertainty errors in manual works, but they cannot be efficient enough to compete human beings in smart thinking.

**Methodology**

For the purpose of this study, a qualitative – explorative method will be chosen. The reason for choosing this methodology is to identify, evaluate and analyze the available literature and develop a synthesis of the literature studies to identify the empirical and explorative efficiency regarding the efficiency and reliability of the smart thinking robotics.

The primary data will be collected through structured questionnaires while the secondary data will be gathered from the review of literature to support and verify the available results and conclusion.

The study will pave the way for future consideration regarding the smart thinking and humanistic decision making capabilities of the robotics integrated with artificial intelligence.