

# The Impact of Artificial Intelligence on Job Market and Workforce Automation

**Prof. Kajal Mehta and Rishikesh Pradhan**

Assistant Professor and Research Scholar

St. Rock's College of Commerce and Science, Borivali (W), Mumbai, India

**Abstract:** *AI, encompassing machine learning and robotics, revolutionizes industries, enhancing efficiency and innovation. However, it sparks concerns about job displacement, especially in sectors like manufacturing and customer service, potentially encroaching on human tasks. Despite this, AI fosters new roles in data science, AI development, and human-machine collaboration, demanding ongoing learning. As machines grow sophisticated, tasks once unique to humans, such as decision-making, face AI encroachment. Existing jobs evolve, necessitating a mix of technical and soft skills, reflecting the changing nature of work. Moreover, ethical concerns like AI bias and data privacy call for stringent regulations, ensuring responsible AI deployment.*

*In essence, AI disrupts traditional roles but ushers in specialized opportunities, underscoring adaptability's importance. Successful transition requires embracing technological progress while addressing social and ethical challenges, creating a balanced approach for the evolving job market.*

**Keywords:** Workforce, Automation, Job, Displacement, Human-Machine, Collaboration