

Analysis of Resource and People Management with Effective Usage of Skill Set in

Author: Balamurugan Muthusamy

Institution: Rushford Business School, Switzerland

Course: Doctorate in Business Management

Abstract

This thesis explores the impact of AI on resource and people management, focusing on the effective utilization of skill sets in the AI-driven era. It examines AI-driven workforce analytics, automation, and predictive modeling to optimize talent deployment, improve efficiency, and support decision-making.

Introduction

Artificial Intelligence (AI) has become a transformative force across industries, reshaping how businesses manage resources, optimize workforce productivity, and enhance operational efficiency. This study aims to provide an in-depth analysis of AI's role in modern workforce and resource management.

Case Studies on AI in Indian Industries

1. Healthcare: AI-Driven Diagnostics and Hospital Management

Apollo Hospitals and Practo leverage AI for predictive analytics, disease detection, and personalized healthcare services. Apollo Hospitals utilize AI-driven diagnostic imaging to enhance disease detection, while Practo employs AI-powered virtual assistants to optimize patient-doctor interactions.

2. Finance: AI in Fraud Detection and Risk Assessment

HDFC, ICICI, SBI, and Bank of Baroda use AI for fraud detection, automated trading, and risk assessment. AI-driven credit scoring models have enhanced financial security and loan processing efficiency.

3. Manufacturing & Automation: AI-Powered Predictive Maintenance and Production Optimization

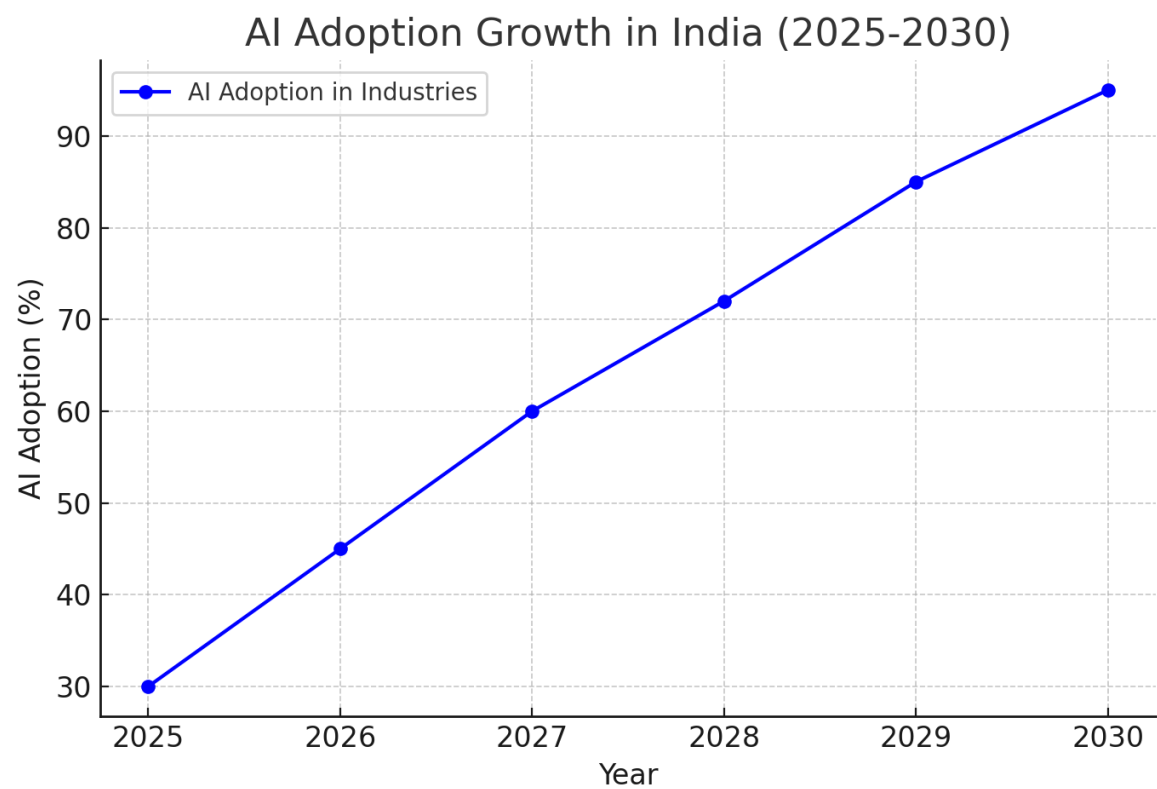
Tata Steel and Mahindra & Mahindra implement AI for predictive maintenance, robotics, and supply chain optimization. These technologies help prevent machine failures, improve efficiency, and reduce costs.

AI Impact Analysis & Workforce Trends

AI is reshaping workforce productivity, skill demands, and job transformation. This section explores AI's effect on employment, workforce automation, and upskilling strategies.

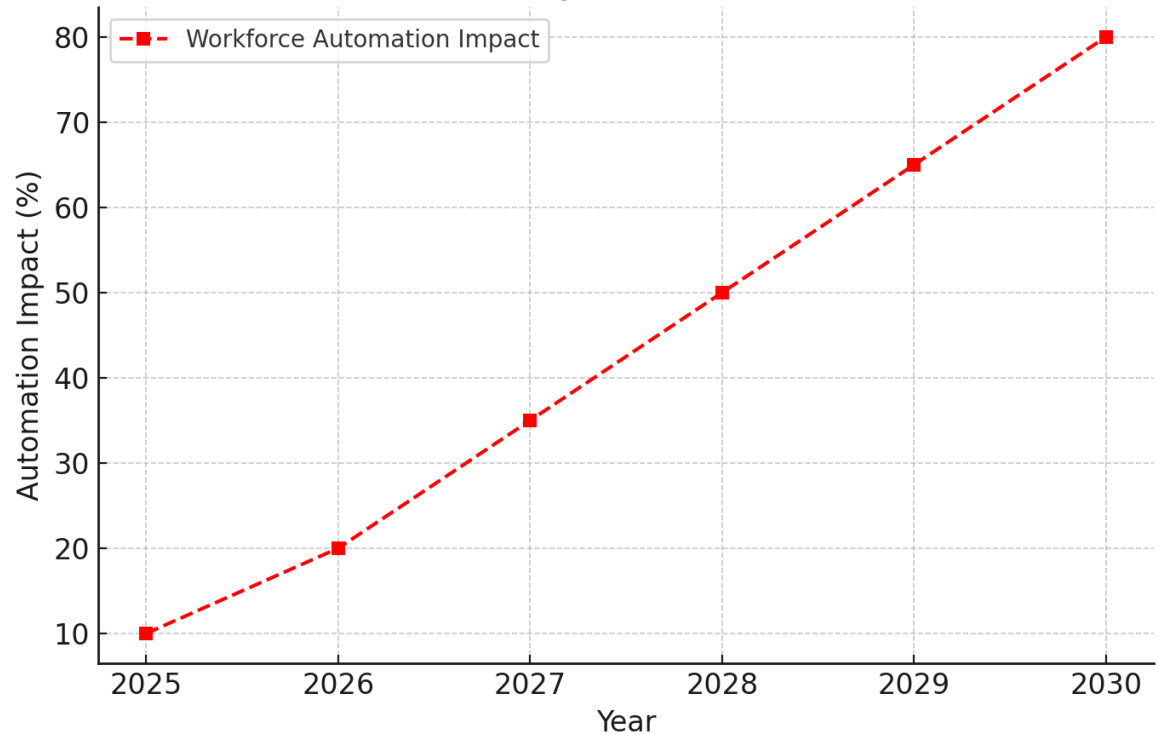
Graphs & Data Insights

AI Adoption Growth in India (2025-2030)



Workforce Automation & Job Transformation

Workforce Automation & Job Transformation (2025-2030)



Rising Demand for AI-Related Skills

Rising Demand for AI-Related Skills (2025-2030)

