IOT AND THE HUMAN ELEMENT

MANAGING PEOPLE THROUGH TECHNOLOGICAL SHIFTS

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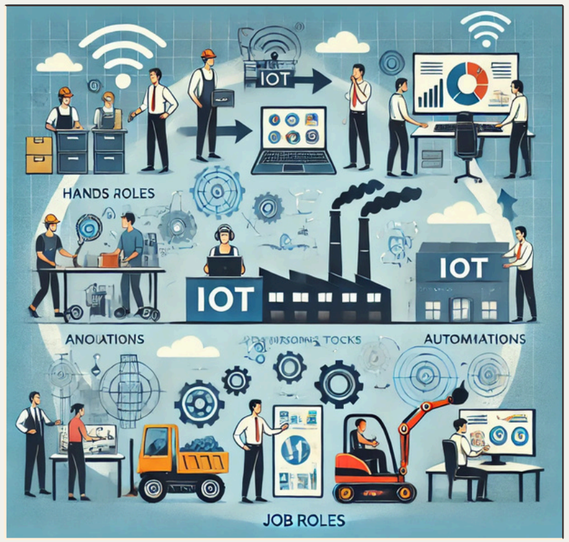
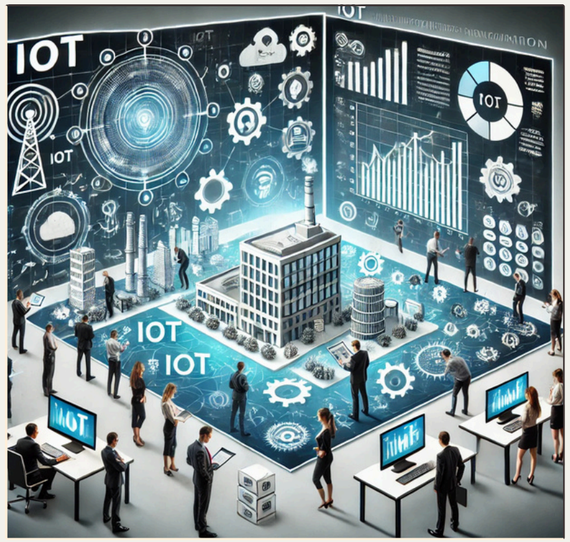
INTRODUCTION

The Internet of Things (IoT) is changing the way businesses work by connecting physical devices with digital systems, allowing real-time data exchange on a large scale. From smart factories to connected homes, IoT is driving new efficiencies, insights, and innovations across industries.

However, as IoT continues to grow, the main challenge for businesses isn't just about devices and data—it's about managing the human aspect of these changes. This presentation will explore how effective leadership, training, and adaptation are key to successful IoT integration, ensuring smooth transitions and maximizing its benefits.

THE HUMAN ELEMENT IN IOT IMPLEMENTATION WORKFORCE ADAPTATION IOT SYSTEMS





Workforce Adaptation to IoT

Shifting Job Roles

Impact on Decision-Making

CHALLENGES OF IOT IMPLEMENTATION FOR THE WORKFORCE

Workforce Resistance

Skill Gaps

Increased Dependency on Technology

STRATEGIES FOR MANAGING PEOPLE THROUGH TECHNOLOGICAL SHIFTS

Effective Leadership

Training and Development

Employee Involvement

LONG-TERM SUCCESS IN IOT INTEGRATION

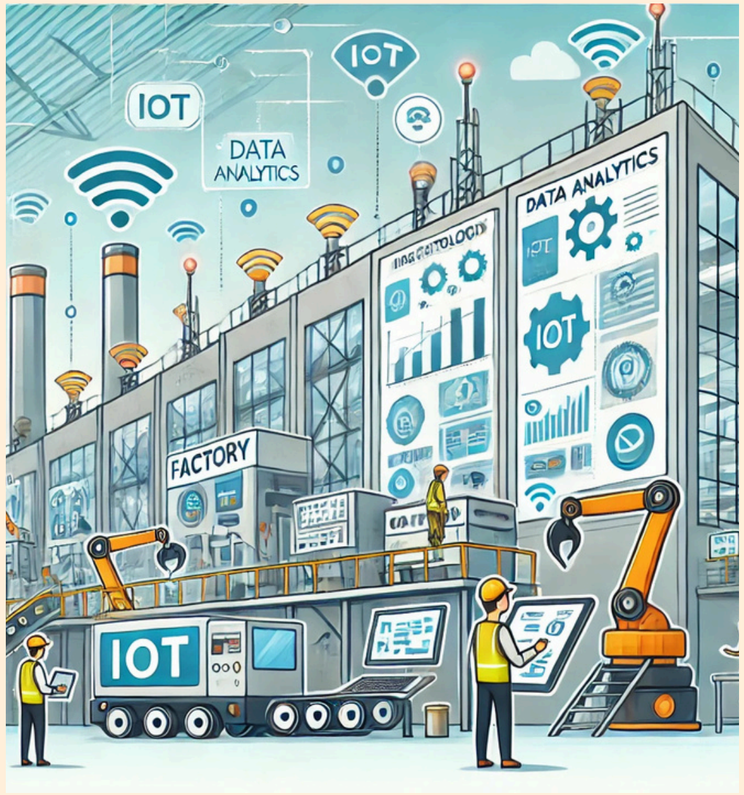
Hunan-Centric IOT Management.

Collaborative Culture Between IOT terms and HR.

Sustainable change Through Leadership

CASE STUDY 1
GE'S BRILLIANT FACTORIES

General Electric (GE) improved its manufacturing operations by creating IoT-enabled "Brilliant Factories." With the use of sensors and real-time data analytics, GE was able to enhance equipment performance and boost production efficiency. However, the success of these factories wasn't just about the technology; it also relied on retraining employees. Workers were trained to understand IoT data, make quick decisions, and work effectively alongside machines. This collaboration between humans and technology allowed employees to take on more strategic tasks, leading to higher job satisfaction and increased productivity. Instead of replacing jobs, IoT became a tool for empowering workers.



CASE STUDY 2
AMAZON WAREHOUSES

Amazon's integration of IoT-connected robots in its fulfillment centers has significantly transformed the logistics industry. These robots, working alongside human employees, have streamlined inventory management and order processing. Initially, there were concerns about job loss due to automation. However, Amazon addressed this by investing in reskilling programs. They trained employees to oversee the robots and handle more complex tasks, such as system management and troubleshooting. This strategy not only boosted operational efficiency but also allowed Amazon to retain its workforce, showing that IoT, when managed properly, can create new opportunities for employees.

available at amazon

CONCLUSION

In conclusion, successful IoT integration in the workplace goes beyond just adopting new technologies; it requires effective management of the human element. As IoT automates tasks and boosts efficiency, employees need to adapt to data-driven roles. Challenges like resistance to change, skill gaps, and reliance on tech must be addressed. Strong leadership is key, ensuring clear communication, continuous training, and employee engagement. By focusing on human-centric approaches, businesses can make technology a tool that complements human skills, as shown by GE's Brilliant Factories and Amazon's fulfillment centers.

THANK YOU