

A Report on Career Talk

"Introduction to Process Mining & AI in Process Intelligence"

Organized by Department of Training & Skill Development

In association with Department of CSE - Data Science

on 13th March 2026



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Mode of Conduct: **Hybrid**

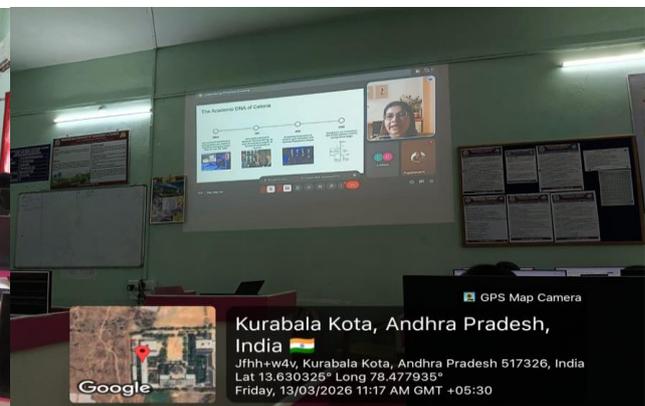
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Report:

Process Mining is a data-driven technique used to analyze and improve business processes by extracting knowledge from event logs available in information systems. It helps organizations understand how their processes actually work in real-time rather than relying only on theoretical process models. Process mining bridges the gap between traditional process management and modern data analytics by providing insights into process performance, bottlenecks, and inefficiencies.

Process Mining and Its Importance

Process mining uses data generated from enterprise systems such as ERP, CRM, and workflow management systems to visualize and analyse business processes. It allows organizations to discover the actual workflow, monitor ongoing processes, and identify deviations from the intended process model. By doing so, organizations can improve efficiency, reduce operational costs, and enhance productivity.



Role of AI in Process Intelligence

Artificial Intelligence (AI) plays a significant role in enhancing process intelligence. AI techniques such as machine learning and predictive analytics help organizations analyze large volumes of process data more effectively. AI can identify patterns, detect anomalies, and predict potential issues in business processes. With the integration of AI, process intelligence becomes more powerful by enabling automated decision-making, forecasting future outcomes, and recommending process improvements.

Applications

Process Mining and AI in Process Intelligence are widely used in industries such as finance, healthcare, manufacturing, and IT services. They help organizations in areas like fraud detection, customer service optimization, supply chain management, and operational efficiency.

Conclusion

Process Mining combined with Artificial Intelligence provides organizations with valuable insights into their operational processes. By analyzing real-time data and identifying improvement opportunities, organizations can optimize their workflows and make better decisions. As digital transformation continues to grow, the integration of Process Mining and AI will play a crucial role in building more efficient, intelligent, and data-driven organizations.