Digital transformation in 3PL

Dr Sandeep Sahae

Trends of digitization in logistics

- IOT

- Robotics

- AI

- Cloud Computing

- Block Chain

- Data Analytics

Digital Supply Chain Transformation Evolution

- 38.25% of the executives surveyed used big data analytics and digital platforms

- 32.5% used cloud computing

- 30.75% used IoT

- 29.5% used Predictive analytics

- 25.5% used AI

- 15.25% used 5G

- 8.5% used Blockchain

Challenges and opportunities

- Goals are not clearly outlined.

- The workforce is not equipped to handle the new digital transformation.

- High investment is required for adopting advanced technologies.

- Real-time, transparent communication between stakeholders provided by the transformation is not leveraged.

- Poor integration of new technologies with existing systems.

- Poor assessment of existing systems and processes v/s the new.

- Fear of security risks such as cyberattacks and data thefts.

- The plan does not move from the paper to the implementation stage due to a lack of objectives and direction

Supply Chain Transformation Goals

- Increased accessibility to data

- Improved planning process by leveraging analytics and integrating data

- Increased capacity, speed and agility

- More opportunities for innovation and collaboration

- Better compliance and risk management

- Ability to integrate technologies such as AI

Digitization Transformation steps

- Vision

- Evaluate existing systems and resources

- Unified data and processes platform

- Cloud-based solutions

- Automated planning process

- Use data and analytics in real- time

- Align people and processes

Check List

- Past successes with digital supply chain technology development and deployment

- Keen understanding of unique supply chain processes, governance and security issues in different vertical industries

- Proven, credible technology vision and roadmap

- Global service and support capability

- Experience in cloud-centric supply chain systems development, deployment and management

- Ability to develop and track the financial metrics appropriate for each customer's unique situation