Enterprise Information Systems in Manufacturing

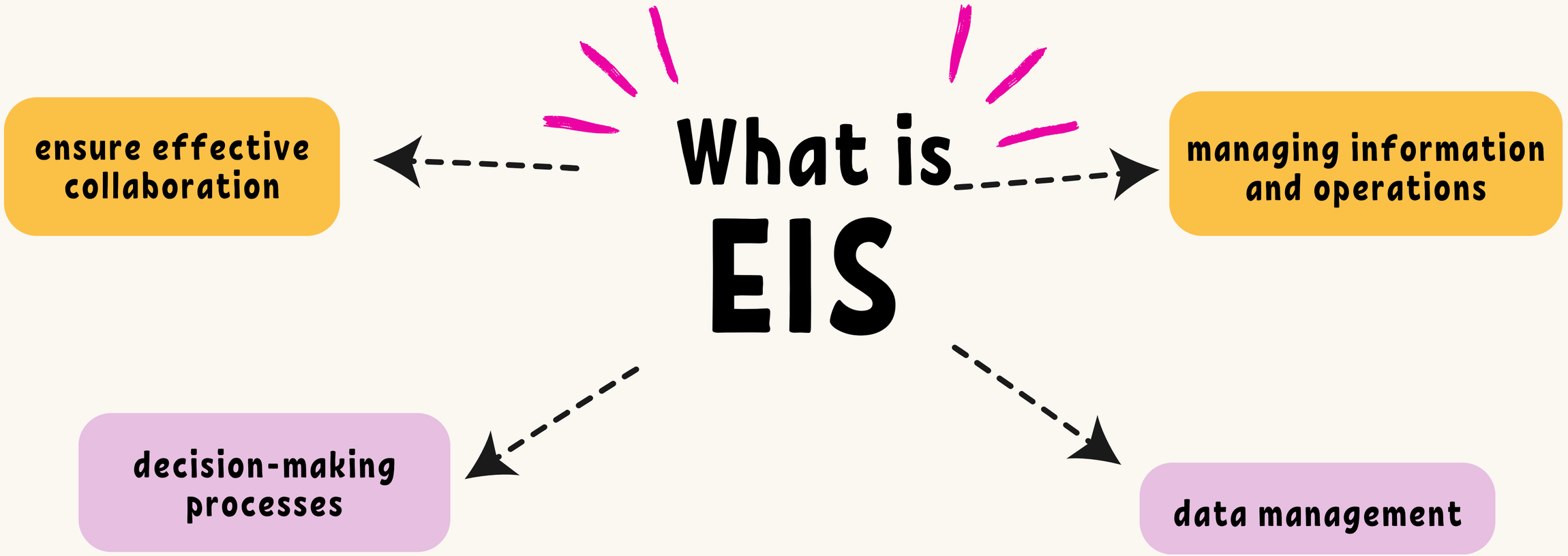
GROUP 14

The team

FONG KHAH KHEH

KEE SHIN PEARL

Content


What is
EIS
ensure effective collaboration
managing information and operations
decision-making processes
data management

Type of EIS

Customer Relationship Management (CRM)

Enterprise Resource Planning (ERP)

Supply Chain Management (SCM)

Business Intelligence (BI)

TOYOTA

ODOO ERP

- SCALABILITY
- COST-EFFECTIVENESS
- DATA-DRIVEN DECISION -MAKING

GENERAL ELECTRICS

PREDIX MES

- INCREASED PRODUCTIVITY
- BETTER QUALITY CONTROL
- ENHANCED SUPPLY CHAIN MANAGEMENT

SIEMENS

SIEMENS OPCENTER EXECUTION MANUFACTURING SUITE

- IMPROVE OPERATIONAL VISIBILITY
- OPTIMIZED PRODUCTION PLANNING AND SCHEDULING
- QUALITY MANAGEMENT

KEY FACTORS FOR SUCCESSFUL EIS IMPLEMENTATION

Data Security & Privacy

- collection, storage and transmission of vast amounts of sensitive data
- Protecting data from cyber threats and ensuring compliance with regulations

TOYOTA ODOO SYSTEM

Organizational Culture and Change Management

- requires alignment with organizational values
- importance of aligning organizational culture with technological advancements and implementing strategies that encourage innovation and adaptation to change.

GENERAL ELECTRICS

KEY FACTORS FOR SUCCESSFUL EIS IMPLEMENTATION

CEO Joe Kaeser, Siemens

Leadership and Communication

- communicating, engaging employees in the decision-making process and providing necessary training and support.
- empowers employees to embrace technological change and maximize EIS impact

Integration and Interoperability

- requires smooth integration of diverse systems for optimal process optimization and decision-making
- to ensure seamless communication and data exchange between different components

Toyota's Production System (TPS)

CONCLUSIONS

- DRIVING INNOVATION AND EFFICIENCY
- OVERCOMING IMPLEMENTATION CHALLENGES
- EMBRACING THE FUTURE OF MANUFACTURING

THANK YOU!