

OTM-821 Supply Chain Information Systems

Description

Today, information technology (IT) and information systems (IS) are embedded in all functional areas of the firm (from accounting to marketing to operations to human resources). Integration and coordination of various echelons of a supply chain is next to impossible without information systems. The convergence of processes and technologies for accessing, gathering, analyzing, and presenting information can be realized only through an effective ICT infrastructure. Information Systems (IS) play a vital role in recording, processing and analysis of data. Appropriateness of the IS, as a tool, for achieving organizational objectives, is dependent on their congruence with the organization's needs.

This course helps students see the connection between information systems (IS), supply chain processes and performance metrics. Managers have a critical role in choosing appropriate technological solutions for today's organizations, and their subsequent effective utilization; thus putting them in the guiding position. It is important that they understand and appreciate the significance of their role and the available technologies. This course introduces aspects of IS/IT from a business perspective, especially in the context of supply chain management and provide students with an overview of the utilization of business intelligent software applications such as Microsoft Dynamics ERP Solutions, Microsoft Power BI (Business Intelligence), Google Analytics, WordPress etc.

Outcomes

This course aims to achieve the following objectives in three basic areas:

- To understand, evaluate and assess IS/IT concepts, opportunities and challenges
- To learn about international best practices and internationally available IS/IT
- To understand the linkage between Supply Chain Management and IS/IT
- Hands on practical usage of available IS/IT applications and software (WordPress, Google Analytics, Microsoft Dynamics 365 & Microsoft Power BI)
- Interact with industries, suggest and apply IS/IT solutions to solve real time problems

Text and Reference Books

- Laudon, K. And Laudon, J. (2012) Management Information Systems: Managing the Digital Firm, 12th Edition, Pearson Education.
- Applegate, L.M., Austin, R.D., McFarlan, F.W. and Applegate, L.M., 2009. Corporate Information Strategy and Management: Text and Cases. Boston: 8th Edition, McGraw-Hill
- Information Systems for Business and Beyond: David T. Bourgeois, Ph.D. (2014)