

MIS6262 : Network Operations Management

This course focuses on planning and designing a network infrastructure for an enterprise, including designing the domain architecture, while accounting for the evolution of inputs and outputs, to suitably satisfy customer needs. The course addresses the criteria and methods to be applied in evaluating and selecting optimum networking technologies and management tools for an enterprise, as well as planning and strategizing resources for a given network infrastructure (servers, network elements, storage). Some key networking technologies are based on the notion of virtualization. Virtualization relies on a technology platform for the creation of logical instances of IT resources. A transparency layer allows physical IT resources to map to multiple virtual images of themselves so that their underlying capabilities can be shared by multiple users. The course covers the different types of IT network resources that can be virtualized, including servers, storage, network and power. At the end of the course, the students will tackle the development of a business continuity plan, with emphasis on planning and delivering network services to support the business objectives of the organization, including monitoring, reporting, troubleshooting, and automating response capabilities.

Credits 4.0

Prerequisites

IST6000 or [MIS6000](#)

Corequisites

None