

Overview of Enterprise Integration

1. Synopsis

The Enterprise Integration Course presents the concepts and technology required to develop integration solutions for given business requirements based on the paradigm of Service Oriented Architecture. The course is intended to provide hands-on opportunity for the students to explore the different technologies for supporting enterprise integration, and to enhance student's proficiency in the application of these for supporting specific integration needs within an organization. The course will cover service oriented architecture, enterprise integration concepts and enterprise integration technology.

2. Objectives

Upon completion of the course, students will be able to:

- understand and execute a methodical approach to developing a technical architecture for automating a given business process
- understand the various technology building blocks of an enterprise integration solution
- select appropriate integration technologies for satisfying the integration need of an organization
- design and implement an enterprise integration solution by using appropriate integration software tools

3. Prerequisites

Students are required to take (or be exempted from taking) the IS Software Foundations (IS 200), Object Oriented Application Development (IS201), Data Management (IS202) and Process Modelling & Solution Blueprinting (IS304) courses to ensure that they have a foundation in Java programming, OO analysis and design, database design and process modelling before being able to develop integrated solutions.

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