

CPIS603 Enterprise Modeling

Assignments & Projects

Fall 2013/2014

Dr Adnan Mustafa AlBar

ambar@kau.edu.sa

Assignments

- Papers reading & Summary (one page)
 - Due date: **Weekly**
- Course Paper (Paper topics will be provided)
 - Due Date: **2 weeks before final Exam.**
 - BPM/ BPR
 - Business rules language
 - ERP and organization
 - Implementation of open source ERP
 - ERP Implementation Survey at local Company

Assignment

BPMs

Due Date: 28/10/2013

- Business Process Management software (commercial & Open-Source) survey
- What is the common BPM architecture?
- Business Rules systems, engines, XML tools

Assignment

ERPs

Due Date: 4/11/2013

- ERPs systems (Commercial, Open-Source)
 - Architecture
 - Technical infrastructure
 - Technical environment
 - Features
- What is the common ERP architecture? (find out from Gartner, Mackenzie, ...)
- What is the roadmap Architecture of ERP Systems?
- Prepare a survey of commercials:
 - ERP systems

Assignment

Open-source Systems

Due Date: 11/11/2013

- Prepare a survey of Open-source solutions:
 - ERP systems
 - BPM systems
 - Business rules tools

Compare & Contrast

Date due: 18/11/2013

- Compare & Contrast between the best Five commercial ERP systems
 - System Architecture
 - Programming environment – Programming language
 - Validation
 - Master Data
 - Business Rules
 - Customization
 - Localization
 - Databases
 - Technology architecture

BPM Project

Date due: 2/12/2013

- You will have to build KAU HR business processes using one of the tool you found interesting.
 - You will have to find out improvements of the process
 - Add the business rules to the processes
 - Run simulation and find out conflicts, improvement points, ...
- You will have to build KAU Finance business processes using one of the tool you found interesting.
 - You will have to find out improvements of the process
 - Add the business rules to the processes
 - Run simulation and find out conflicts, improvement points, ...
- You will have to read about Saudi HR business rules from the ministry of Civil Services at <http://www.mcs.gov.sa/ARCHIVINGLIBRARY/Regulations/Pages/default.aspx?PageIndex=3>

ERP Project

Date due: Last week of Term

- Using openERP open-source systems, you will have to build HR & Finance business processes into the system.