PISA (Planning, Integration, Security & Administration)

An Integrated Consulting Environment for IT Managers, Integrators and Consultants

What is PISA (see the Figure)

A family of automated consultants ("Advisors") that collaborate with each other through a common knowledgebase. Subdivided into three modules

- PlanIT: Planner for IT Infrastructure
- AIM: Architecture & Integration Module for SOA
- SAM: Security and Administrative Module

Origin of PISA:

- Based on 150+ IT planning and integration, consulting assignments in 6 industry segments.
- 3+ years of research in intelligent systems for IT planning, integration, security & administration

How PISA can be used in Practice (see the Figure)

- Enterprise modeling and IT strategies
- Enterprise application planning
- Computing platform planning
- Network planning (wired/wireless)
- Security planning (attack tree-based analysis)
- SOA planning and business case for SOA

- SOA solutions for local, remote, and B2B apps
- Evaluation of SOA solutions (cost, security, QoS)
- Project planning (WBS, Gantt charts)

How PISA can be/has been used in Classroom

- IT in Business, Modern Enterprise Systems
- Enterprise Architecture & Integration using SOA
- IS Analysis and Design Courses
- IS Security and Auditing Courses
- Communication Network Courses

How PISA can be Used in Research

- Integrated intelligent systems based on patterns (business patterns, security patterns;; integration patterns, SOA patterns), automated planning, integration and security support for IT

More Details: (www.ngesolutions.com/pisa) for PISA overview, case studies and extensive documentation.

For a Guest User ID-PW and Technical Papers: email to umar@amjadumar.com, indicate 'PISA' in email subject