Presentation and Project Topics

- Presentations in **teams of 2**
- **40 minute slots** (30-35 min. presentations + 5-10 min. questions)
- **Attendance list** will be maintained

- **Topic selection**: on a first-come, first-served basis
- Your presentations should be in English but you can speak either Greek or English.
- **Suggested Latex and Word templates** will be available
- Typical reports should be **20-30 pages** (using the suggested templates)

**Dates:**

- Presentations start Monday 6th May
- Declaration of topics and teams by Friday 19th April
  - declare your teams and select the topic on the doodle poll that will be sent to the mailing list.
  - Schedule of presentations will be announced by 22th April
- reports due: Friday 31st May
Presentation and Project Topics

1. Business Processes
   a. Business Process Modelling and Analysis
   b. Business process optimization - Six Sigma methodology
   c. Blockchains for Business Process Management
   d. Business Process Management and Internet of Things (IoT)

2. Workflows
   a. UML diagrams – thorough analysis and comparison
   b. Logic-based formalisms (situation calculus, event calculus)
   c. Workflow Patterns
   d. Distributed Architectures for Workflow Execution
Presentation and Project Topics

3. **Cloud Computing**
   a. Business Process as a Service (BPaaS)
   b. SaaS vs Web Services
   c. Security of Cloud Services
   d. Discovery & Composition of Cloud Services
   e. Workflow Management in Cloud Computing
   f. Blockchains in Cloud Computing
Presentation and Project Topics

4. Web services
   a. Web Services Modeling Languages
   b. Web Service Discovery
   c. Web Service Choreography and Orchestration
   d. Web Service Execution
   e. Web Service Monitoring and Adaptation
   f. QoS-aware Service Management
   g. Web Service Security and Privacy
   h. Analysis, Simulation and Verification of Web Services
   i. Modeling Quality of Service
   j. REST vs SOAP Web services
   k. Web Service Design Frameworks & Tools
   l. SOA vs Microservices