Week 6 Reading
Information Systems Development Failure: A Case Study to Highlight the IS Development Complexities in Simple, Low Risk Projects in Developing Countries. By Nauman et. Al

- Most of IT system implementation project fails
- The more complex the system, the higher the chance to fail

Table1: Classification of Failure Categories

Type	Description
Correspondence failure	Failure to achieve predefined objectives
Process failure	Failure to produce a system in given limits
Interaction failure	Level of use or user satisfaction failure
Terminal failure	Project terminated, can't be tolerated more
Expectation failure	Inability to meet the expectations of specific stakeholder

- Classification of complexity

Organizational vs. Technology	Structural Organizational Complexity	Dynamic Organizational Complexity
	Structural IT Complexity	Dynamic IT Complexity

Structural vs. Dynamic

- In the case study

Complexity Factor	*Effect in this case*	*Level of Risk*
Structural organizational complexity (Structural_Org)	***Yes/ No***	
- The project manager didn't have direct control over project resources.	No	
- Users provided insufficient support.	Yes	**High**
- The project had insufficient staffing.	No	
- Project personnel did not have required knowledge/skills.	No	
- Top management offered insufficient support.	No	
Structural IT complexity (Structural_IT)		
- The project involved multiple user units.	Yes	**High**
- The project team was cross-functional.	Yes	**Medium**
- The project involved multiple software environments.	No	
- The system involved real-time data processing.	No	
- The project involved multiple technology platforms.	No	
- The project involved significant integration with other systems.	Yes	**Low**
- The project involved multiple contractors and vendors.	No	
Dynamic organizational complexity (Dynamic_Org)		
- The project caused changes in business processes.	Yes	**High**
- Users' information needs changed rapidly.	Yes	**High**
- Users' business processes changed rapidly.	Yes	**Medium**
- The project caused changes in organizational structure.	No	
- Organizational structure changed rapidly.	Yes	**Medium**
Dynamic IT complexity (Dynamic_IT)		
- IT infrastructure changed rapidly.	No	
- IT architecture changed rapidly.	Yes	**Low**
- Software development tools changed rapidly.	Yes	**Low**

Internet of Things (IoT): A Vision, Architectural Elements, and Future Directions by Jayavardhana Gubbi,a Rajkumar Buyya et. Al

Overall IoT vision and the technologies that will achieve the it (Section 2)

Some common definitions in the area along with some trends and taxonomy of IoT (Section 3)

Application domains in IoT with a new approach in defining them (Section 4)

Cloud centric IoT realization and challenges (Section 5)

Case study of data analytics on the Aneka/Azure cloud platform (Section 6)

Open challenges and future trends (Section 7)