

## **Assignment:** Investigating Information Systems in Action

### **Objective:**

Students will explore how a real-world organization - either local or global - applies the principles and practices discussed across all 12 lectures of *Field projects for Information Systems* course. These lectures represent the full scope of the semester's four **Student Independent Studies (SIS)** themes.

Through research, teamwork, and presentation, they will analyze real-world implementations and demonstrate their understanding.

### **Instructions:**

#### **Part 1: Group Research**

1. **Form Groups:** Students form their own groups of 7–8 members.
2. **Select a Company:** Each group selects one company (local or global). Examples:
  - Local: A university, hospital, or small manufacturing company.
  - Global: Amazon, Tesla, Walmart, or Google.
3. **Focus Areas:** Investigate how the company uses:
  - **Data Management**
  - **IS Frameworks**
  - **Functional Area Systems**
  - **Enterprise Information Systems**
  - **Systems that Span Organizational Boundaries**
  - **Expert Systems & Knowledge Management Systems**
  - **Computer Systems (Hardware/Software), Telecommunications & The Internet**
  - **eBusiness & eCommerce Systems**
  - **Audit and Controls of Information Systems**
  - **Systems Development Life Cycle (SDLC)**
4. **Collaborate:** Use online research tools or prior knowledge to gather relevant information. Groups should divide roles, such as researcher, designer, note-taker, timekeeper and presenters, to stay organized.

#### **Part 2: Presentation Creation**

1. **Slide Deck:**
  - Prepare a 12 - 14 slide presentation covering:
  - Slide 1: Company Overview
  - Slide 2: Summary of Data Management Practices
  - Slide 3: Examples of Operational, Tactical, and Executive Systems
  - Slide 4: Functional Area Systems (Accounting, Finance, HR, Marketing and Sales, Production/Operations.
  - Slide 5: Enterprise Information Systems (SCM, CRM and ERP).
  - Slide 6: Systems that Span Organizational Boundaries.
  - Slide 7: Expert Systems & Knowledge Management Systems.
  - Slide 8: Computer Systems (Hardware/Software), Telecommunications and The Internet.
  - Slide 9: eBusiness & eCommerce Systems.

- Slide 10: Audit and Controls of Information Systems.
  - Slide 11: Systems Development Life Cycle (SDLC).
  - Slide 12 (Final Slide): List of Sources Used (e.g., websites, articles, books, interviews).
2. **Visuals and Clarity:**
    - Include charts, diagrams, or screenshots where possible to illustrate your findings.
    - Make the slides clear and easy to read, with a professional design.
  3. **Citation Style:**
    - Use a consistent format for listing sources (e.g., APA, MLA, or simply URLs and publication names).

### **Part 3: Group Presentation**

1. **Duration:** Each group will have **12 minutes** to present their findings and **3 minutes** to Q&A.
2. **Presentation Roles:**
  - **At least 4 members** of the group must present, while others can assist with Q&A or technical setup (e.g., managing slides or handling visuals).
  - Groups should decide who will present based on strengths and preferences.
  - **Q&A:** After the presentation, the entire group must be prepared to answer questions. Non-presenting members should contribute during the Q&A to ensure full group participation.