



# **CSIT883**

# **System Analysis and Project Management**

## **Review**

2024-12-12

Wollongong Joint Institute

CSIT883

*System Analysis and Project Management*

## **Contents**

- System Analysis/Design Difference
- SDLC
- System Analyst
- General Method to Solve Problem
- Project Attribute
- Triple Constraints
- Project/Program (Manager) Difference
- System Vision Document/Project Charter
- System Approach(3 Dim)
- Project Phase
- Globalization/Virtual Team(HR Management)
- System Requirements(Classify)
- Stakeholders(Classify)
- NPV, ROI, Payback analysis
- Interview/Questionnaire
  - When to use
  - How to interview/questionnaire
- **Activity Diagram**
  - Difference between Flow Chart
  - Name/Marker
- WBS
  - Approach to Create WBS
- Goal/Objectives
- User Stories
  - Template
  - Acceptance Criteria
- Events
  - Three Types
- Sequencing Activities
- AOA
  - Left to right
  - Not to Cross
- Gantt Chart
  - Using Excel
- Critical Path
- Time Management Matrix
- Cost Estimate
  - Approach
- EVM
  - EV, AC, PV
  - CPI, SPI meanings
- Quality Control Technique
  - 7 run rule
- State Machine Diagram
  - State and transition
  - Evaluate State and Transition, then connect
- System Sequence Diagram/Sequence Diagram
  - Difference
- Effectiveness
- Resource Allocation
- Resource Leveling
  - Using AOA to Analyze
- Social Style Profile
- Conflict Handling
  - 6 Approaches (Difference)
- Communication Media
  - Face to Face/Non-Face to Face
- Risk Management
  - Risk Utility
    - 3 Types(Difference)
  - Probability/Impact Matrix
  - Decision Tree/EMV
  - Risk Response Plan
    - 5 strategies
    - When and How
- CRC Card / Class Diagram / Sequence Diagram
  - Difference
- Deployment Methods
  - Direct/Parallel/Phased(Difference)
- Stakeholder Engagement