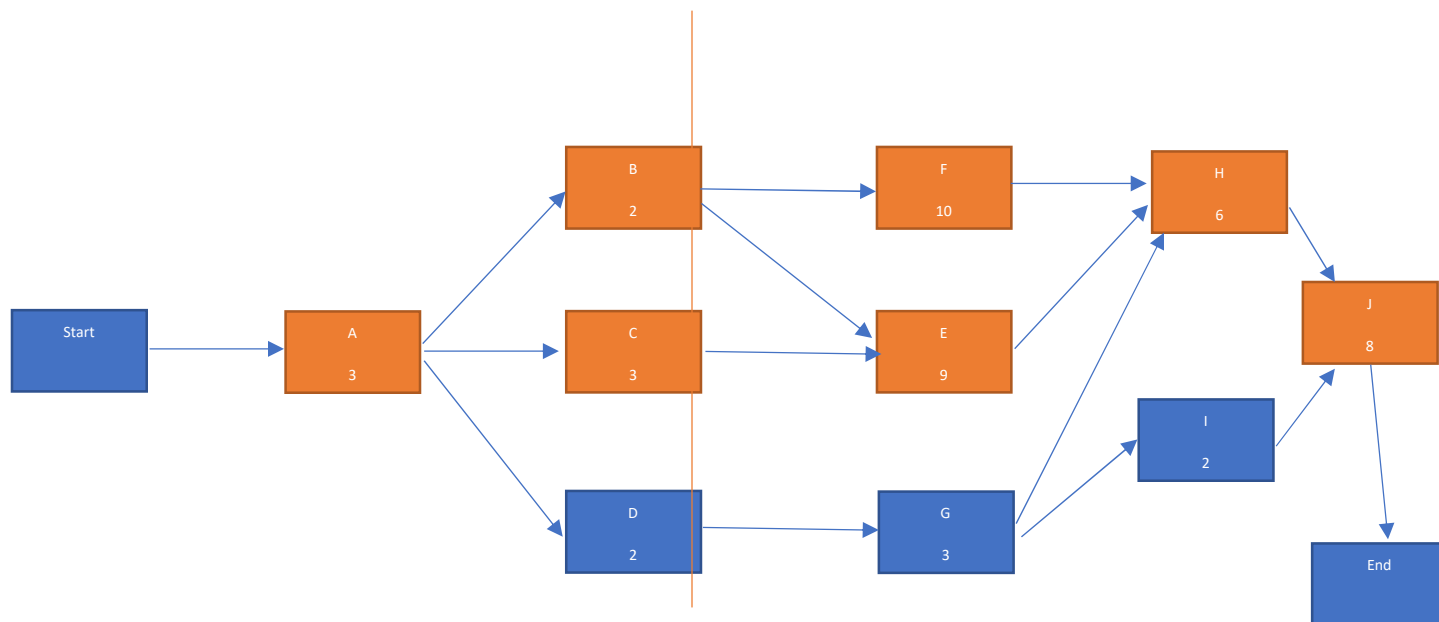


WBS – break down to level 3 or level 4, as appropriate. ít nhất là 3-4 items

1. Software Project (level 1)
  - a. Initiating (level 2)
    - i. Create Project Charter (level 3)
    - ii. Kick-off Meeting
    - iii. Get Project Charter Approval
    - iv. Create Stakeholder Register
  - b. Planning
    - i. Create Scope Management Plan (level 3)
    - ii. Create Time Management Plan
    - iii. Create Cost Management Plan
    - iv. Create Risk Management Plan
    - v. Create Resource Management Plan
    - vi. Meeting with team to discuss about plans
    - vii. Deliver Project Management Plan
  - c. Executing
    - i. Analysis
      1. Create Feasibility report
      2. Create Use-case diagram and Use-case description
        - a. Create use-case for module 1
        - b. Create use-case for module 2
        - c. ...
      3. Create Software Requirement Specification
      4. Perform Requirement validation
      5. Perform Requirement Management
    - ii. Design
      1. Create Design for module to allow students to register for university-sponsored Lab classes (module 1)
      2. Create Design for module to allow students to submit their work in the Lab class and to track their progress. (module 2)
      3. Create Design for module to allow teacher to manage his classes and to evaluate his students submitted work, to approve or to reject the work (module 3)
      4. Create Design for module to allow teacher to generate the final report of his classes at the end of the semester (module 4)
    - iii. Prototyping
      1. Create Prototype for module 1
      2. Review prototype of module 1 with customer
      3. Create Prototype for module 2
      4. Review prototype of module 2 with customer
      5. Create Prototype for module 3
      6. Review prototype of module 3 with customer
      7. Create Prototype for module 4
      8. Review prototype of module 4 with customer

- iv. Implementing
  - 1. Implement module 1
  - 2. Implement module 2
  - 3. Implement module 3
  - 4. Implement module 4
- v. Testing
  - 1. Perform Unit Testing
  - 2. Perform Integration Testing
  - 3. Perform System Testing
  - 4. Perform Acceptance Testing
- vi. Support
  - 1. Training (level 4)
  - 2. Documentation
  - 3. User Support
  - 4. Enhancements
- d. Monitoring and Controlling (level 2)
  - i. Control Scope
  - ii. Track Progress
  - iii. Perform Cost Control
  - iv. Monitor and Control Risk
- e. Closing (level 2)
  - i. Create Lesson Learn
  - ii. Create Project Final Report
  - iii. Create Project Archive
  - iv. Close Project Ceremony



List of Paths in the network:

Path 1: Start -> A -> B-> F -> H -> J -> End with duration =  $3 + 2 + 10 + 6 + 8 = 29$  weeks

Path 2: Start -> A -> B-> E -> H -> J -> End with duration =  $3 + 2 + 9 + 6 + 8 = 28$  weeks

Path 3: Start -> A -> C-> E -> H -> J -> End with duration =  $3 + 3 + 9 + 6 + 8 = 29$  weeks

Path 4: Start -> A -> D-> G -> H -> J -> End with duration =  $3 + 2 + 3 + 6 + 8 = 22$  weeks

Path 5: Start -> A -> D-> G -> I -> J -> End with duration =  $3 + 2 + 3 + 2 + 8 = 18$  weeks

Critical Paths are Path 1 and Path 3. And the project duration is 29 weeks

