

CISC 225 - System Analysis and Design

Chapter 3 Assignment

* **The IT group at Game Technology has received approval to add a new entry-level systems analyst position. You will help set up the hiring timetable and tasks. After speaking to several people in the department, you identified seven tasks and the order in which they should be performed. Using your notes, you write up the following statement: First, review the applications (2days). Then start three tasks: notify the IT team (2 days), reserve a conference room (1 day), and set up an interview schedule (5 days). When the team has been notified and the conference room reserved, prepare a set of interview questions (2 days). When the questions are ready and the interview schedule has been developed, conduct the interviews (5 days). After the interviews are done, meet with the hiring committee to select a candidate (1 day).**
* **Practice Tasks**
  + **A. Prepare a work breakdown structure showing tasks, durations, and predecessor tasks.**
    - **1. Review Applications (2 days)**
    - **2. Notify the IT team (2 days)**
      * **Predecessor: Task 1**
    - **3. Reserve a conference room (1 day)**
      * **Predecessor: Task 1**
    - **4. Set up an interview schedule (5 days)**
      * **Predecessor: Task 1**
    - **5. Prepare Interview Questions (2 days)**
      * **Predecessor: Task 2 and 3**
    - **6. Conduct Interviews (5 days)**
      * **Predecessor: Task 4 and 5**
    - **7. Meet with hiring committee to select a candidate (1 day)**
      * **Predecessor: Task 6**

**Total Duration: 18 days.**

* + **B. Create GANTT CHART**

* + Diagram

    Description automatically generated**C. Create PERT CHART**
  + **D. Calculate the start and finish date for each task and determine the critical path.**
    - 1. Review Application 2/19/2023-2/21/2023
    - 2. Notify IT Team 2/21/2023-2/23/2023
    - 3. Reserve a Conference Room 2/21/2023-2/22/2023
    - 4. Set Up an Interview Schedule 2/21/2023-2/26/2023
    - 5. Prepare Interview Questions 2/23/2023-2/25/2023
    - 6. Conduct Interviews 2/26/2023-3/3/2023
    - 7. Meet with Hiring Committee to select a candidate 3/3/2023-3/4/2023
      * **Critical Path**
        + **Review Application**
        + **Setting up an interview schedule**
        + **Conduct Interviews**
        + **Meet with hiring committee to select a candidate**