**Objectives :**

At the end of this session, student should able to

1. Identify the dependencies of tasks/activities.
2. Identify the critical path for development plan.
3. Construct PERT chart and Network diagram for development project.

**Instructions:**

1. This work should be done individually. But you are allowed to discuss with your colleague.
2. Mark will be given to the exercises that submit at the end of the lab session.
3. All your assumption and work (including your calculation) must be clearly stated in this lab sheet.
4. You are required to develop your report using Microsoft Words and Microsoft Project.
5. Upload your answer at Moodle after the lab session together with hardcopy a day after lab session (Friday) to your lecturer.

**Questions:**

1. Consider your previous development tasks/activities (from Lab Sheet 2);
   1. Specify intertask dependencies.
   2. Assign resources for each task.
   3. If require, calculate again your suggestion duration for each tasks.
   4. Identify the critical tasks/activities from your list of tasks.
2. Construct PERT chart from your finding at Question 1.
   1. Calculate your expected time (ET) of completion (latest time (TL) and earliest time (TE)) for your propose project plan.
   2. Identify your critical path with calculate the slack time for your propose project.
   3. Mark your critical path at chart by using red line.
3. Develop a network diagram from your finding at Question 1 and 2.