

Assignment#4.2 (CPM Problem)

Each student will use his/her own data sheet by the student number in Class Roster(CR).

- A) Draw the corresponding AON network in paper (pdf). Solve for the critical path and critical activities by these two methods.
 - 1) Forward & Backward Passes (by hand). **Show all the steps** in paper(pdf).
 - 2) Linear Programming (LP) method. Formulate the LP model in paper(pdf) and use Excel Solver and LINDO software to solve for the optimal solution. Make sure that all the methods give the same solutions.
- B) Use the crashing cost information in the provided spreadsheet to determine time-cost trade-off function.