BLG 448E Project Management in Engineering HW3 – Yunus Güngör – 150150701

Case Study 1 – The Estimating Problem

1. There is four different estimating techniques mentioned in the case. The three-point estimate that used by the committee, the triangular distribution which Barbara wished committee used, according to experience estimation which Barbara used while estimating when she first heard about project, and analogy estimation which mentioned by Peter.
2. According to critical parts and requirements of the project, estimation method decided. Data acquired by company also plays a big role to choose estimation method since those data can be used.
3. According to Peter in this case, analogy estimating method which gives room for complexity and similar work packages before, is best for this case. And if I was a manager I also would use analogy estimation since I got access data of previous works done, and there is a similar work package in that data and in the project.

Case Study 2 – Payton Corporation

1. Basis of the problem in this case is underestimating the project and communication problems between departments and project manager. Project manager should know that average cost at $19.99 per hour is for low performance work, and should also know size of the project and speed project can move with current personal.
2. Project manager for using low cost, low performance labor fees in calculations.
3. I think there is no way to win in this situation, so every scenario should be evaluated with estimated damage, and the scenario which has lowest impact on the company should be followed.
4. Splitting high cost workers in a different department from the beginning and for every project to lower management cost per project could be good solution.
5. I would lower down per hour cost by splitting high cost workers between departments.
6. Customer should not be willing to accept monetary responsibility for this type of case, since customer and company agreed on a price and a time, project should be completed according to that for the sake of customer trust. If employees take lessons from mistakes, this method will be more effective in long term.