

Production Management (ME-419)
Module 3: Supply Management
Assignment 7: AP & MPS

Objectives: Within your company, you are transferred to Production Planning & Capacity Management department. You have the demand plan available (from previous assignment) and you are tasked to evaluate if there is enough capacity for production or not. The goal of this assignment is thus to practice how to satisfy the sales forecast and preparing AP and an authorized MPS (as part of the supply plan).

Tasks: The tasks to complete and the results to obtain are as follows

Part 1: AP

1. Create an aggregate plan for each strategy for the time horizon of your demand plan
2. You may use data provided in Excel template to articulate your aggregate plan.
3. Compare each strategy (Level, Chase, Hybrid) and select the best
4. You may need to acquire resources (new hires, over-time, ...) to execute your aggregate plan, list them and estimate the budget you need.
5. Specify actions to be taken (possible change and adjust for AP? Would that be logical?)

Part 2: MPS:

6. Develop initial Master Production Schedule (MPS)
7. Implement rough-cut capacity planning (RCCP) technique
8. List and acquire data from your line manager (TA/coach)
Note: You may use the same data as I used on the slides, however, please double check with your coach and ask you're her/him for the data and information that you think are necessary; your coach plays the role of your line manager in your company.
9. Generate an authorized MPS for each product family, over a 12-month horizon starting from the month November.
10. Specify actions to be taken (possible change and adjust MPS? Would that be logical?)

Your submission:

1. **This is a group assignment**, there will be a group presentation for this assignment. Each presentation (including both parts) will have 7 minutes with 5 minutes of feedback.
2. No report is needed for this assignment.
3. Connect and bond with your group members, define a proper group strategy for handling the workload and reach an agreement on the time to meet up during the week.