An assignment on Project Management Case Study

**Objective:**

The purpose of this case study is to assess the project management competence, style, skill of the participant. If you wish you can use your business & technical domain expertise while working on this case study, however that is least required. Without repeating yourself, go as far as you can go to demonstrate the project management skills. Keep in mind that volume of text you write should be minimal. Project manager's 90% work is communication. Communication should be succinct, to the point. Try to use as less words as possible and express your ideas and approach to initiate, plan, execute, monitor, control and close this given project. Avoid business & technical jargon of the domain and remain strict to project management terminologies as much as possible.

**Score:**

There is negative score for being more verbal and repetition.

There is extra score to cover the nuisance of project management in your solution.

**Max Time**: 3 Hours

**Due Date**: As discussed with you

**Submission Requirement: There are only 2 documents which need to be submitted.**

1. You need to write you answer in this document and submit this document.

2. Along with this you need to submit mpp of the plan. (Use latest version)

**Case Study**

You joined Mars Engineering Limited. Your induction training is over. And this is your second week in the company.

A big oil & gas company in Ethiopia signs a contract with your company (Mars Engineering Limited) to make one heat exchanger. CEO of the Mars Ltd. assigned you as a project manager to the project. Sales & Contract department handovers all the documents to you for your study.

**Question 1: What are the first 3 steps you will take and why will you do those?**

Q**uestion 2: During your initial research you discover this work is not technically possible to be delivered in this cost and time allocated. What will you do to validate your assumption? How will you handle this situation overall?**

Q**uestion 3: Write you minimum 5 assumption. Use a proper language to document the assumption.**

Q**uestion 4: Write you minimum 5 risk. Use a standard format for documenting the risk. Use the proper language to describe risk.**

**For Question 5 to 10 you need to create a project plan in Microsoft Project Plan.**

**Question 5: Prepare a WBS of this Project (do only in mpp)**

Done (yes/no)

**Question 6: For any one component of the heat exchanger make a detail list of fabrication activities. (do only in mpp)**

Done (yes/no)

Q**uestion 7: Prepare your project plan with all estimates and put the level 1 gantt chart there. (Use MPP)**

Done (yes/no)

Q**uestion 8: Baseline your plan, except project closure phase activities. (do only in MPP)**

Done (yes/no)

Q**uestion 9: Assume you are in the third month of the project. All pre-fabrication work is complete and 50% of the fabrication work is done for the component you have planned in detail. Now update the plan as per the actual data. (do only in MPP)**

Done (yes/no)

Q**uestion 10: Customer is asking your to submit S curve of the project progress. Using MPP make a S-Curve and paste that here.**

Q**uestion 11: Write the steps you followed to prepare the plan**

Q**uestion 12: What details and how will you capture those to update the plan**

Q**uestion 13: You know from the risk register that procurement activities are most risky activities. How will you ensure that procurement activities do not become issue.**

Q**uestion 14: Management want to review the project status with you. What data will you present them (write the title of all your slides and metrics on those)**

Q**uestion 15: Next week project is getting closed. What are activities which you need to perform before you formally close the project. Write all the steps below.**

Q**uestion 16: How and where do you track the labor, material, subcontracting cost on this project**