This is an ok start for your first business case:  Below are some areas that should be improved:

 Executive summary: does not provide the whole situation to senior leadership.  In reading your executive summary I am not sure what the problem is.  A business case is presented to those who may not know what the problem is or that there was a problem. 

The email from the senior management member indicated he was not leaning toward using replacing the Desktop Computers rather than Thin Client System or BYOD.  You indicate the company is in support of servers?   Do you mean Thin Client servers, what you have written is unclear what the solution is.

Stakeholder Analysis:  Ty Tannick from Human Resources is clearly against this project but you have him as for the project.  Although, you mention he is against the project in your conclusion.

  Constraints are those items that create boundaries for the project

-          The Operating System will be Microsoft Windows (which means the systems cannot be MAC OS)

-          The budget is $1.7M for first year and $10.5M total

-          The CPU will be either Intel or AMD (Which constrains the systems to these two CPU manufacturers)

 Requirements: Your requirements are vague- see the slide on Good Requirements-  Also they are more about Servers than Desktop systems.

-          Functional requirements are those that help the system/application/software function and without them it would not work or would not work correctly

-          Non-Functional requirements are those that do not affect the functionality such as ease of use, colors, size of buttons, displaying icons, security, etc.  none of these, if they were not there, would keep the system/application/software from functioning

Your schedule dates are confusing,  2.1.2. is dated after 2.1.3  and you stop after budgeting, what about installing the systems.

Risks:

You only added two risks to the one I provided, Anything you have listed as an Assumption is also a risk since you've assumed it to be true, what happens if it is not.

Benefits need to fully justify management spending $10.5Million

-          Increased speed of production

-          Increased speed of software development to market

-          Increased speed of manufacturing

-          Decrease in employee frustration

Overall cumulative benefits is well over the cost of the project at $8 Million with an 71% ROI

Organizational impact is what changes are made to personnel (hiring, laying off, transferring) what new policies or procedures are required is there any new governance (laws and regulations) causing policy changes?

-          Need to hire Project Manager

-          Need new governance policy regarding Sarbanes Oxley Act requirements

-          Need new governance policy regarding HIPPA requirements

Conclusion:  Your conclusion should provide an overview of the solution, justification, impact and TCO with the ROI to convince senior leadership to approve your project