



Opposition template

About group: A by: Afonso Abeijón de Vasconcelos Abreu

Product

What product was it? Table Fan



Opposition report template for evaluation

This opposition template provides structured feedback. Replace the text below or add slides as needed for a thorough evaluation.

Key strengths

- *The report is very methodical, it has a clear introduction and some very interesting analysis.*
- *Yes, they showed innovation and creativity, for example in the report they developed a custom line-balancing method for to two parallel subassemblies.*
- *Yes, they were, the team apply liaison diagrams and precedence diagrams, as well as using Boothroyd-Dewhurst, probably the most common method to evaluate DFA.*
- *With the Boothroyd-Dewhurst analysis they not only calculated the DFA index (61.3%) but also identified specific parts to remove or modify.*
- *By looking at the tone of the whole report it is likely that there was a good structure and coordination within the group.*

Areas for improvement

- *There is maybe some missing information or justification for the production scenario.*
- *Something that could maybe be addressed in a better way is how adding snap-fit features or redesigning parts would require retooling.*
- *In the assembly sequencing section the liaison sequence is described as "optimal" one, but there is almost no discussion of alternative sequences.*
- *Most of the report is very clear but the team could have specified the number for some figures and tables instead of keeping the "xx".*
- *The team could have explained a little bit better how having automated assembly has an impact on having higher investment costs.*

Opposition report template for evaluation

This opposition template provides structured feedback. eplace the text below or add slides as needed for a thorough evaluation.

Assessment of implementation and results

- *Most calculations and assumptions are shown explicitly, a good example of this is how the team gets to the production scenario*
- *Most data is well validated but also some assumptions had to be made*
- *All the information in the report follows a very logical structure and a flow.*
- *Overall, it is very complete but there are maybe some parts missing for the financial analysis, such as a breakdown of all the costs*
- *For the line balancing the group considers different approaches.*

Report and presentation

- *The report is easy to navigate as it follows a*
- *The report follows all information in detail, the DFA is a very good example of this. Some parts could even be more concise.*
- *The chosen figures, tables and diagrams are well chosen support the text very well. Exploded-view drawings of subassemblies helps to understand how the product parts are.*
- *The presentation of the report is very good and makes it more appealing for people reading it.*

Questions for discussion and suggestions

List 2-4 questions to discuss during opposition

1. You proposed layout would include 16 workstations, which significantly reduced throughput time. This means an increase on the number of stations, how does it affect the cost and was this one of the aspects you had in consideration?
2. You considered a certain demand per year, how prepared do you believe your factory layout is to changes in demand?

Provide constructive recommendations

- Explaining a little bit better what production system (pull, push) they are using and how it can impact the buffers, if they decide to have some.
- Consider including a PFMA for identifying where failures could happen during assembly operations.
- Validating some of the information with more detail such as the market demand.

- Final verdict: It is a very good project overall, it stands out how in detail the group goes with the different analysis. It believe the team went beyond what was required and shows a good initiative and compromise with learning.

