RECOMMEND

The following is an example in Manufacturing Engineering. The student has achieved "extended ideas" by giving recommendations.

Recommend	Suggest what is appropriate to do based on a critical evaluation of available information

The Question

Evaluate the efficiency of the*COMSOAL software for line balancing *(i.e. providing an optimal solution for the production line)* in the laboratory exercise of assembling toy trains.

**** The COMSOAL (The Computerized Method for Sequencing Operations on Assembly Lines): a software that generates information regarding maximum efficiency required in a production line.***

What students commonly do

- some students just point out the advantages and limitations of COMSOAL **without giving any suggestions for improvement.**
- some students include suggestions which are **not really appropriate.**

An example of good work

This answer gives sensible recommendations based on a critical evaluation of COMSOAL.

"COMSOAL does not provide very practical information. It cannot recognize the sequence of activity, e.g 'Make up box' activity should be placed at the final station 7, but the data generated by COMSOAL show that it was positioned at station 3. Hence, COMSOAL should have an 'Activity Recognition' function that can enhance the efficiency of the product line.

Besides, the result generated by the software is not always accurate because some of the tasks are duplicated [...] In order to calculate the actual line efficiency of the system, a step should be added to monitor the deletion of duplicated task [...]

Evaluating the practicality of COMSOAL

Suggestion of introducing a function to enhance efficiency

Evaluating the accuracy of COMSOAL

Suggestion of introducing a step to avoid inaccuracy