Green Supply Chain: External Process

**Project Goals**
1. To finalize and implement Green Survey and Metrics from previous semester.
2. To create a system to reliably and efficiently rate Sloan's suppliers against a set criteria.
3. To reduce time lost due inspection of parts received from suppliers.
4. To create a system that allows suppliers to easily view their scores.

**Cost Decision Matrix**

1. Standardize the entire sourcing process across all the plants. Standard work is the basis in a lean organization journey.
2. Reduce the complexity.
3. Reduce the time consumed and make it more efficient.
4. Develop a user friendly and functional tool.
5. Increase the organization's awareness on the total costs involved.
6. Better understanding of various costs through cost segmentation.

**Cost Matrix Input Tab**

**Cost Matrix Summary Tab**

**Lean Implementation: Overall Equipment Effectiveness**

**Project Goals**
1. To develop a methodology and a system which would provide live data on OEE for all machines which are being used to enter data for.
2. Create a process for collection of OEE data that is both functional and operator friendly.
3. Create a potential system design and breakdown process on OEE processed data.

**Progress**

1. Researched OEE and currently used processes.
2. Developed a potential system which would provide live data to management.
3. Created a database schema for OEE.
4. Created a walkthrough process on how OEE data would be collected.

**Results**

1. Combined existing Sloan survey with last semester's Green survey.
   - Initial set of suppliers resulted in expected scores.
   - Scores can be done automatically or manually. Parameters can be changed for future fine tuning.
   - Data used to score can be shown to suppliers for verification of score.

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