Minutes of Meeting

4th February 2022

Time: 16:00

Topic: Requirements discussion

Attendees:

Client Side:

- Annapurna Mamidipudi
- Soumithri Mamidipudi
- Mr Shiva

Project Side:

- Karthik Prasanna
- Radheshyam
- Sambasai
- Srikar Desu

The production process:

farmer -> spinner -> dyer -> weavers

Farmers: Malkha doesn't directly deal with the farmers and doesn't plan to do so currently. Hence, farmers will not be a user of our product.

Spinning:

- There is one spinning unit which works with them. Possible expansion to 2 units in future.
- Information kept track by the spinning unit:
  o Yarn length is tracked and measured in 'hanks'. 1 hank is 844 yards.
  o Thickness of yarn measured in 'count'. Count is inversely proportional to thickness. Count is usually remembered (by the inventory) throughout the production process.
  o Twist of the yarn
  o Technical specs of the mill.

Currently one guy enters the data manually onto spreadsheets, these spreadsheets are transferred across stages.

Dyeing:

- Currently 1 dyeing unit and no plans to increase currently.
- The yarn arrives in bundles, it is tracked on the basis of what is being produced.
- Currently, inventory maintained in a physical ledger.

Weaving:

- Weaving is decentralised.
- Inventory for weaving is handled by Malkha.
- Individual hank level tracking breaks down cus the weaver weaves any number of hanks at a time.
- The yarn is graded by the weavers and verified by Malkha.
- The final fabric products are called 'Than'. 'Than' refers to like a piece of cloth. It is not a standard measure. So there is no half a 'than' and all. Cut a 'than', into 2, you get 2 'thans'.
- They haven't introduced a standardisation to the length of the final fabric as it causes some issues. Hence, different 'thans' can be of different lengths.
- While the final fabric is being made by the weaver, there is no track of the exact hank of yarn being used. They just stock up on yarn and then weave. So the final fabric can have yarns of different colours, twists and counts. So the exact yarn can't be accounted for. In this case, what data should we display to the customer? This we need clarity upon from Vivek sir ig.
- The fabric finally gets a barcode depending on it's design.
- Currently, there is no tracking or indexing of the than, however, this is an idea upon consideration. Why it would be useful is a bit unclear. He wants to optimise cutting thaans by keeping track of thaans individually. For this, indexing would help. We could barcode each thaan.

Other Important points:

- Suggested to have a telugu language interface for the locals to understand more easily. This way, the filling of inventory can shift to the weavers themselves instead of a representative of Malkha.
- Good user-friendly UI.
- Introduce some EXCEL math functions. Some currently in use: Welookup/ Xlookup, sumif, unique, basic arithmetic calcs, pivot table.

Customer:

- We don't have to create a customer account or anything.
- No features or functionalities for the customer.
- One idea was that the product we sell will have a barcode and they scan that. This will show them the details of the fabric for authenticity. Thus, we only need to implement this details page.