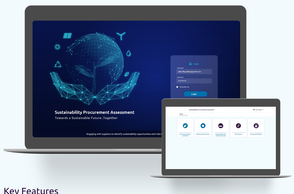
Supplier Procurement Assessment Tool provides the ability to score and rank the suppliers based on their sustainability maturity and credentials after assessing them.

- Case study by Ankit Dhyani



Key Features

- 5 Industries, and multiple categories to assess
- ability to add new suppliers
- Dashboard for suppliers sustainability credentials
- Assessments to score and rank suppliers

Client's Goal & Requirement

- To be a responsible consumer of natural resources so that they can incorporate cross industry best practise, standards and principles in procurement process.
- To assess their IT Hardware suppliers across certifications, design principles, and material issues.
- Assess the sustainability maturity of their IT Hardware Suppliers

Business and Sustainability Impact

Diversity
Gender equality and higher representation of minority groups, at the suppliers, due to emphasis on diversity

Ethical Sourcing
Higher chances of ethical sourcing from suppliers due to visibility of upstream supply chain

Broader Aspect
Covers various industries as well as their major categories, and hence impacting a broader and diverse adoption

Sustainability
Sustainability is the new gold and top most requirement in today's world. Lower carbon footprint and judicious use of resources due to incorporating circular economy

Sustainable sourcing is a key starting point in making your supply chain clean, green and responsible

Our Approach

1. Identified areas of opportunities by analyzing the gaps between client's current sourcing practices and the best sustainable sourcing practices followed by other organizations
2. Conducted survey of the client's tool to 20 suppliers to gauge the sustainability measures and initiatives across the entire value chain
3. Created an Excel based supplier procurement framework that evaluated clients's IT hardware suppliers across certifications, design principles and material issues for client

My Approach

Requirement Gathering

1. User requirement and, our opportunity

Here, we already had requirement from one client that they want to assess their IT Hardware Suppliers' sustainability maturity and based on that, excel based tool framework tool was built. Our vision was to attract more potential clients and create a Framework that can satisfy their needs as well.

2. Existing excel based tool working

This excel based tool provided a set of questions across various functions like certifications, design principles and material issues for client. Upon completing them, it gathered the inputted data and showcased the final output in a dashboard which comprises the supplier's overall sustainability maturity, functionwise scores and score breakdowns. Few key screens:

- Dashboard panel of the tool

- Function based assessments within the tool

- International Standards Assessment of the tool

3. Pain points/Challenges in current tool

- Hard to use
- Non - interactive
- Able to satisfy only few clients' need
- Unable to track assessed suppliers
- Extremely hard to add new features

Planning the designs/ Brainstorming

1. Created and iterated Information Architecture to know about the structure of the application

2. Created user flows based on set of user stories

- User Story #1:
  As an **Admin**, I **want** to add new suppliers, so **that** I can assess them for a particular category.

- User Story #2:
  As an **Admin**, I **should** have the ability to view supplier details, so **that** I can know assessed suppliers' performance in each category.

- User Story #3:
  As an **Admin**, I **should** have the ability to view supplier's level & scores, so **that** I can know whether current supplier is compliant or not.

3. Creating quick pen paper wireframes based on user flows

Way to Final Designs

1. Wireframes and High-Fidelity Screens

- Login Screen

- Ability to select or add new suppliers

- Industry wise assessments for suppliers

- Questions alongwith scores for admin of the portal

- Dashboard to track the scores and performance of suppliers

My Learning from this project

- This project helped me in understanding the user and business needs in detail.
- Working with additional projects alongwith it helped me in managing my time.
- Explored Lottieflies, Miro & upgraded my skills on Adobe XD.
- Learnt Rapid prototyping as well as good use of components helped me alot in this project.