MINISTRY CATEGORY: Central Ministry

PROBLEM STATEMENT:

The textile industry is an age old industry and it

produces various traditional textiles having its uniqueness the online

marketing of such unique traditional textiles would connect the

artisans to the world. The development of e-portal/mobile app

would bring the consumers and producers on a common platform.

This would protect the uniqueness of the product and increase the

income of the artisans/weavers.

TEAM NAME: GREAT MATES

TEAM LEADER NAME: MOHANKUMAR P

AICTE APPLICATION CODE: 1-3511334959

IDEA/SOLUTION:

- The proposed system is to help the artisan/weavers to increase the income, by introducing them a e-commerce shopping site. The customer can get the better product directly form the artisan/weavers without any intermediates.
- Both the artisan/weavers and the customer have to login/sign up with the **same application** with different login.
- Artisan/weaver details are verified using licence, aadhaar etc.., for security purpose and the customer details are verified using OTP(send to registered mobile number)
- Artisan/weaver can directly post their product and product description in this web/app.
- The customer can search the product by category like price, new arrivals, product reviews and nearby products (using GPS –Searching algorithm).
- Credit/debit card, internet banking or UPI (Unified Payment Interface) bank transfer methods are used to do the payment process.
- Artisan **finds location of the customer** and decides the mode and possibility of delivery of the product.
- The overall system is **user friendly** for both the artisan/weaver and customer to post or buy a products.

TECHNICAL STACK IMPLEMENTATION

> FRONT END:

- Andriod Application: Java, Android.
- Web Interface: HTML, CSS, PHP, Java Script.

> BACK END:

My SQI or Mongo Database

> MODULE DESCRIPTION

✓ Android Application and Website Interface:

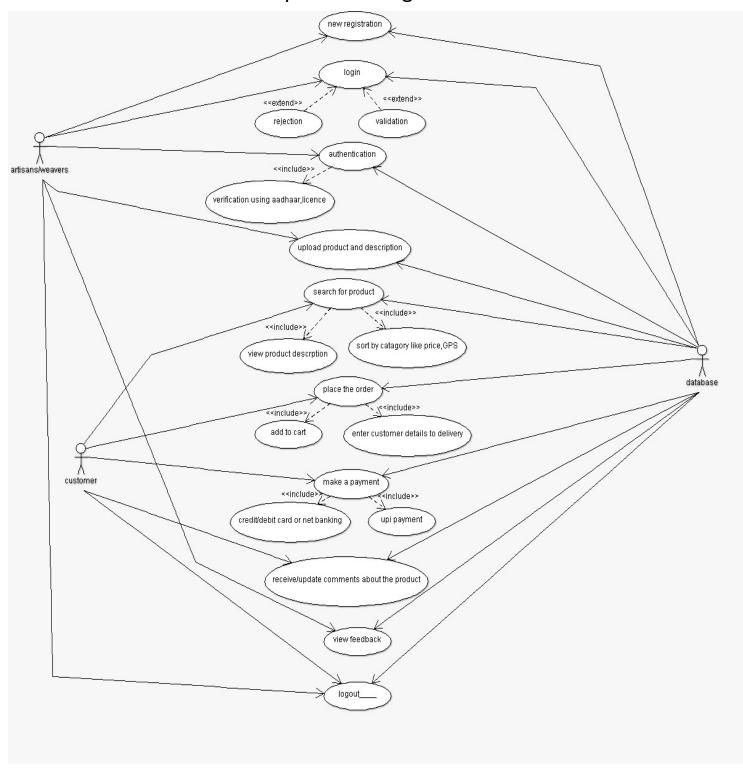
- 1. **Artisan/weaver** collecting the details from them and post the products details.
- Customer Providing a different searching option like, Search product by category (Searching algorithm) and provision to place their order.
- 3. Payment process A payment gateway is provided which support credit/debit card, net banking or UPI mode of payment.

✓ Dynamic database:

- Data collection about producer, customer, product, and reviews.
- Database will be dynamically updated with latest products and their price

USE CASE DIAGRAM

The interaction among the user interfaces (Applicant) and the dynamic centralized databases are explained using the use case scenario.



DEPENDENCIES AND THE STOPPER

DEPENDENCIES OF THE SYSTEM:

- The customer and producer should have device with internet access.
- The artisan/weavers and customer (optional) must have a bank account.
- Artisans should be verified and validated which is done through their aadhar.

STOPPERS:

- In some critical situation there is a problem on delivering product for a given location it can be handled by extending the delivery time.
- Monitoring quality, and meeting the need of customer is a major challenge.