Project Title: Augmented Reality in beauty shopping

Research Theme: Smart technologies and advanced manufacturing

Proposed solution: I aim to create an application for online cosmetic shopping retail in which the customers can experience the products in augmented reality before they move to the final check out.

Following are the steps to implement AR integration in an application,

Initially, the customers search for their products. For example: if the customers search for lipstick, they will be navigated to a particular page with n number of products. Then customer picks their desired product and they will be having an additional option called TRY IN AR. This Try IN AR is a simple UI button that navigates to the AR experience page and this lets the device turn on the front camera. Then camera in the customer's device detects their face and applies the chosen lipstick shade on the detected face. Likewise, this AR button is integrated for every products.

User stories in my solution:

User story: Signin & Signup:

As a user, initially, I need to sign in or sign up to log in to the application and I have to validate the email before proceeding.

User story: searching for products:

As a user I signed in or signed up in the application, I will be searching for my desired product with applying some filter for my convenience and the application results the available products. Then I will be selecting a product which I prefer from the list.

User story: Exploring the product:

As a user, I will be navigating to another page where my chosen product will have entire details. I will be able to see various options like quantity, reviews, and other kinds of information related to the selected product.

User story: AR Experience:

As a user, I will be able to see the option called TRY IN AR near the product image. This option TRY IN AR is treated as a regular and important option in the application as like the option add to cart. After clicking the option TRY IN AR, I can experience the product in AR. Then if I like a product which I experienced, I will be buying that product by entering the payment and contact details.

Assumptions:

I assume that this application for online cosmetic shopping with AR integration creates more interaction with people. And also people will be attracted to products they want to buy.

Video link:
https://drive.google.com/file/d/1sVdtz59mugSjX0dcJh3tPkX5YReqgvDh/view?usp=sharing