

Mini Project – I

(2019-20)

E-Commerce Website (y-shopping)

SYNOPSIS



Institute of Engineering & Technology

Team Members

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About the Project:

The e-commerce has transformed the way business is done in India. Much growth of the industry has been triggered by increasing internet and smartphone penetration. An ecommerce website is a website which allows your business to sell products and services to their online audience. There are two types of E-commerce websites: Retail & Wholesale. The project is related to Wholesale market. From the website we will be able to order multiple items in one go. The interface will be easy to use & website will quickly scale with increasing traffic load. All the services like Hosting, Authentication, Cloud Functions will be given by Firebase. Firebase acts Platform as a Service (PaaS). The customer will be able choose products from long list and order them easily. Security is a big concern after seeing the recent cyber-attacks on big e-commerce websites. So, for authentication we will have password-based service, this safeguards that every mail id from which products are purchased is genuine one. The database will be Realtime Database which is a NoSQL DB offered by firebase. After an order is placed, the customer will get an email receipt confirming the placement of his/her order. Every email receipt has unique ID to track each order.

Motivation:

The Indian e-commerce market is expected to grow to US\$ 200 billion by 2026 from US\$ 38.5 billion as of 2017. An E-commerce website will play an important role to push Indian economy. An e-commerce website gives us a broader audience and hence possibility of better overall sales. We can be open 24/7 which helps you to make more sales. Having an ecommerce platform helps you to increase your conversion rate since people get a chance to immediately buy from you rather than wait to visit the store.

Requirements:

Hardware

Minimum 2 GB RAM

Software

Firebase, Sublime Text 3