DEPARTMENT OF APEX INSTITUTE OF TECHNOLOGY

# PROJECTPROPOSAL

## 1. Project Title: - AUTHENTIFY

## 2. Project Scope: -

The fully functional application can effectively reduce the threshold of the anti-counterfeiting of branded goods and provide the industries with limited financial resources and also easier approach to provide consumers with the trust and surety that they will not be purchasing unsusceptible counterfeited goods.

This blockchain technology-based application can emerge as a life saver for the companies and provide a new system for trading, marking and purchasing which is more secure and user friendly.

The future work of the system can be proof of code simplicity which can indirectly increase consumer’s trust because of distributed applications.

It can be difficult on the manufacturer side to add all the details of the products manufactured so instead of manually adding the products details, data can be extracted using company’s API which can increase efficiency and manufacturer friendly.

QR code is not hackable but information in it can be copied or known to generate similarly QR code as well as print out of QR code works well to scan and retrieve information so in order to overcome this secure graphic QR code can be used that if when QR code is photocopied then it will lose information due to the ink smearing. These copy detection pattern or secure graphic is a digital image with optimal design to lose information when copied and it is printed irreversibly. Customer when found the product is counterfeited then system should able to show the same products but original from different sites with price differences to improve usability, efficiency and effectiveness of the system.

## 3. Requirements: -

* Hardware Requirements

1. Camera
2. Mobile/laptop

* Software Requirements

1. Smart Contract

2. Amazon AWS RDS

3. Node.js

**STUDENTS DETAILS**

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| --- | --- | --- |
| **Name** | **UID** | **Signature** |
| Tanya Goyal | 20BCS4610 |  |
| Abhijeet Singh Hada | 20BCS4546 |  |
| Marco Antonio Ocaña Navarrete | 23BIT30002 |  |

**APPROVAL AND AUTHORITY TO PROCEED**

We approve the project as described above, and authorize the team to proceed.

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| --- | --- | --- |
| **Name** | **Title** | **Signature**  **(With Date)** |
| Prof. Ranjan Walia | Supervisor |  |