Đề tài nhóm BlockChain

Hướng dẫn : Các nhóm sinh viên chọn một trong các đề tài sau để thực hiện đồ án nhóm về Blockchain.

1. Các nhóm phải ghi nhận quá trình làm trên Github
2. Có tài liệu báo cáo về ý nghĩa đề tài, quá trình thực hiện, cách sử dụng, cách cài đặt, tài liệu tham khảo.
3. Có video quay lại phần chạy ứng dụng Demo
4. Sản phẩm chạy được và có giao diện tiện dụng
5. Đồ án có tính ứng dụng cao, giao diện đẹp sẽ được cộng điểm

1.Peer To Peer Ridesharing

Most carpooling systems and radio cab facilities come with a middle man, the agency itself. So what if the agency like Uber decides to shut down business in the city? If ride-sharing and car hire are moved to the blockchain, without an intermediary, both riders and drivers can get connected directly. If the project is completed successfully, it can build a network that will provide safe, reliable transportation.

2.A Fake Product Identification System

Every popular brand has fake manufacturers selling a counterfeited item at cheaper rates. Even the company experts may not be able to distinguish between fake ones and real ones. What if the original manufacturer has embedded a 2D barcode on the product which is tied to a blockchain system.
You can scan the 2D barcode using your smartphone, and your smartphone will tell you whether the product is fake or not. This is an outstanding project idea and if successfully implement big brands are going to knock at your doorstep, and you know why…

3.Blockchain-Based Voting System

Electronic voting systems have replaced paper-based systems, but even now, people doubt the voting system's ability to secure the data and defend against any attacks. The blockchain-based system can ensure transparent and publicly verifiable elections in the country. If implemented successfully, voting can be done using a mobile application that is attached to a blockchain system.

4.Transparent and Genuine Charity Application

Many fake charity organizations pose as genuine and loot money from innocent people in the name of charity. Most people want to donate money to a good cause of charity, but they are unsure if the money is going to reach the right hands of the destitute. The blockchain system can bring transparency to online charity trusts. Contributors can see the journey of the donation in realtime and confirm if it's reaching the deserving hands or not.

5.Loyalty Points Exchange System

With payback.in being an exception, most other brands and companies reward customers with their own loyalty points. This drawback in today's system is a very unacceptable downside as the deserving customer cannot use his loyalty points with other companies or brands. Customers also cannot exchange or trade loyalty points with friends or family. With blockchain, you can implement a project that allows consumers to combine and transparently trade loyalty rewards.

6.Trackback Your Food to its Source

You want to eat organic. You can buy organic, but do you really know if it's organic? You know that there is an outbreak of bird-flu in few poultry farms, but do you know if the chicken leg in your plate came from one of those infected farms?
Using blockchain technology, you can implement a system that can help consumers trace back the journey of fresh produce or meat to its source. Thereby, consumers can buy the product with a lot more trust.

Reference Link : https://www.upgrad.com/blog/blockchain-project-ideas-for-beginners-students/