**TECHNOTHON** readme

 **Name of the team**: Team Big Billion

 **Name of the Participants:** Shashank Pandit, Harsh Raj, Prashant Kushwaha, Priyansu Sahoo

 **Number of Members in a Team** : 4

 **College** : Siksha O Anusandha Unversity (ITER), Bhubaneswar

 **Theme of the Project** : Open Innovation / Blockchain Tech.(Ethereum)

 **Detailed Explanation of the Idea** : Crypto-cart is a decentralized system for customers who wants to buy some products such as phones, from the following store with beneficial of using Ethereum technology. Due to which both consumer and seller get advantages of Ethereum payment portal hence it runs without any downtime, fraud, control or interference from a third party. The consumer can also easily locates the nearest local stores with their products and services and also can proceed to online transaction through Ethereum

 **Solution provided** : Here, by using our website customers can securely do transaction and buy electronic products by Ethereum. Ethereum is a big and innovative community all around the world that gives people ease of international payments. It provides customer almost 0% transaction fees and the most important thing that make it attractive is that it’s a decentralized platform. Sellers don’t have to install any 3rd party application and gives them the freedom to do instant secure payment.

 **Tech Stack used** : HTML, CSS, Bootstrap, Node.js, GitHub, Metamask, Ganache

 **Real Time usage of the project** : ------------

* **Tagline**: Changing convention with Ethereum.
* **Step by Step Procedure to run your respective Project in our Local Machine:**

**#how to run full project**

->Download or clone repository ->Open all files with VS code ->Run at local host or you can just go live at local level OR Just open the link of Git deployed project.

**#steps to connect Ganache**

-> install Ganache application -> create a workspace -> connect Ganache server with project localhost or Metamask

**#step to connect Ethereum**

-> add chrome extension Metamask -> create ethereum wallet account

**Why to Use Ethereum?**

**Smart contracts guarantee security and reliability:**

The Ethereum platform has as its main objective smart contracts, which are executed safely and without the need for third party intervention (since these are designed in such a way that “yes or yes” is fulfilled).

**It’s not regulated by government entities:**

No government entity exercises control over Ethereum, so it is difficult to control its value and it will depend solely on the trust of users and the volume of transactions that are made with it, which gives users peace of mind that When paying with Ethereum, the money will go directly to the owner of the product or service that is paid for, without anyone else intervening.

**It’s developed with open source:**

Ethereum is developed with an open source system, which allows improvements when necessary. This benefits the users of the platform as it gives more stability and transparency, and if an error or failure occurs in any transaction, it could be solved by entering the source code of it.

**It’s very hard to counterfeit:**

One of the biggest fears in financial transactions are scams or counterfeit money, which is very common with fiat money since being papers can be easily printed (with a similar result), without having any legal validity . In the case of Ethereum that is not possible because it is a virtual currency with its own identifiers that make it unique.

**It’s cheaper:**

In the case of Ethereum, its use is cheaper due to the absence of third parties, this makes it a much more profitable payment option compared to other currencies or traditional means of payment, especially when used to make purchases over the Internet or even when it is decided to make payments in physical stores or commercial premises.