Dell_Hack2Hire_2020

Process And Lineage Capture Tool

By- Team Brimnet

Contents

What's inside this Presentation?

The General Overview

➢ **It is very important to be able to respond to client's need to interact with business and products online and tell them about the business processes.**

➢ **Our area of work: To develop an app that**

❏ **Visualizes the Process lineage**

❏ **Mandates unique identity proof of the users**

❏ **Ensures secure transaction**

❏ **Secures the data in a decentralized database**

We are **HERE**

Problem Statement

❖ Business processes are executed in steps with dependencies and can be different from each business to other.

❖ A product that will help visualize the entire process lineage with dependencies and bottlenecks.

❖ Each process time should be calculated and total process time should be also calculated.

❖ If any process has failed show the failure and associated effects on dependents.

❖ All process data with time should be stored and user can view process cycles the time associated with it anytime at a later stage.

❖ Plug and Play model without any code change

Project Objective

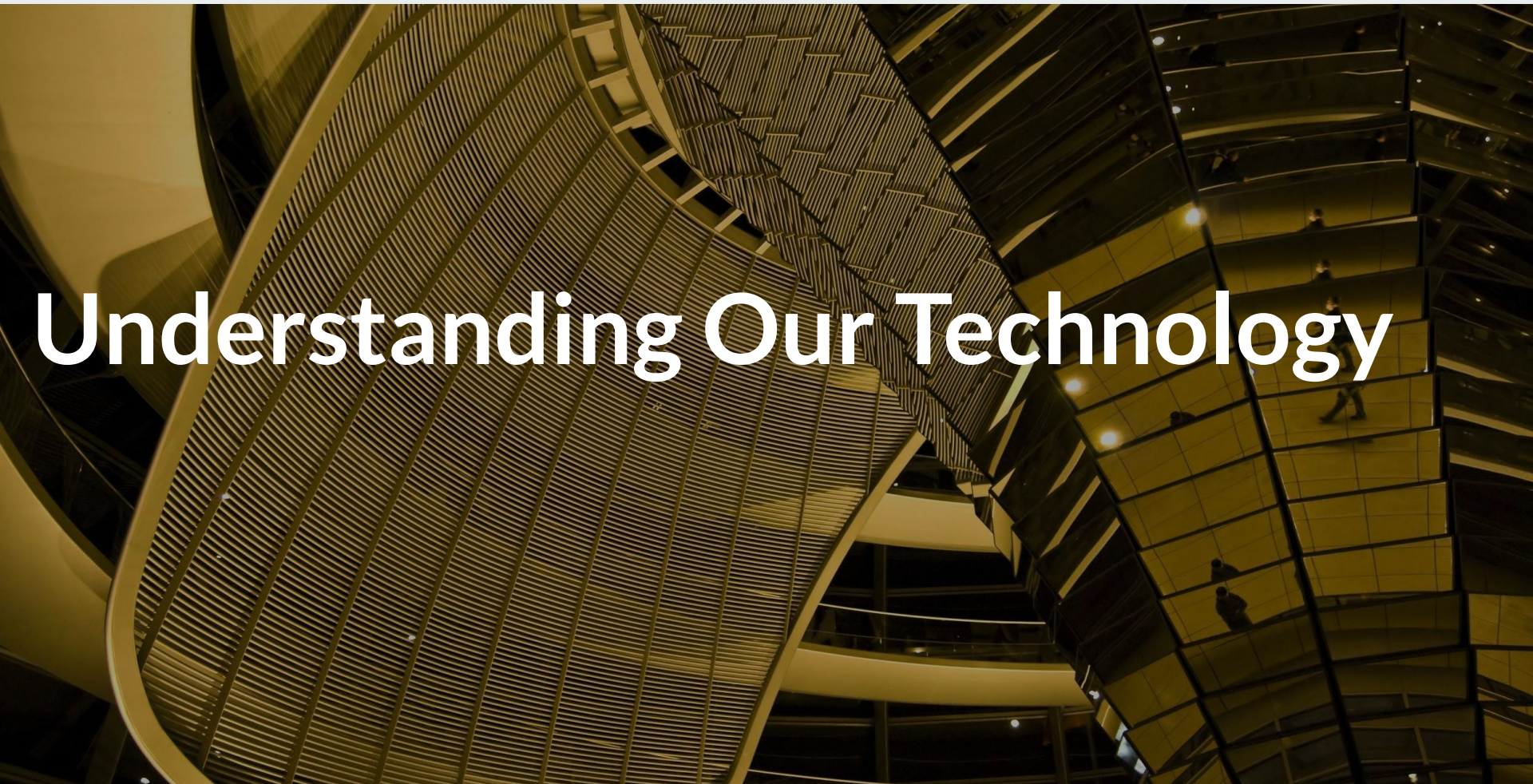**1** To develop an Application to realize the entire process flow of supply chain.

3 To detect and diagnose the process cycle to optimize the process of Supply Chain.

2 To identify its associated dependencies and bottlenecks in the process of Supply Chain.

4 To calculate the time associated with each process cycle.

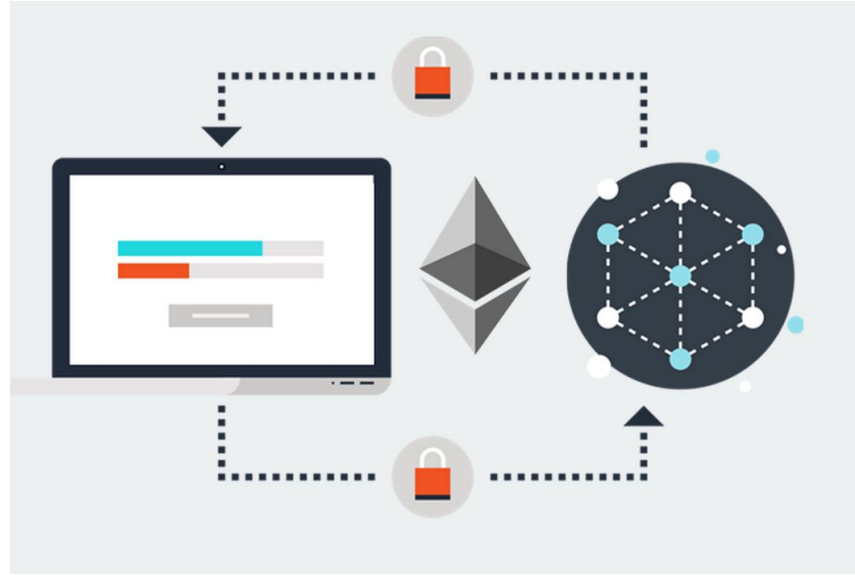# Understanding Our Technology

What is DeFi

DEFI APP

Decentralized Finance Application :

Financial System running on the blockchain using cryptocurrencies to remove the intermediaries.
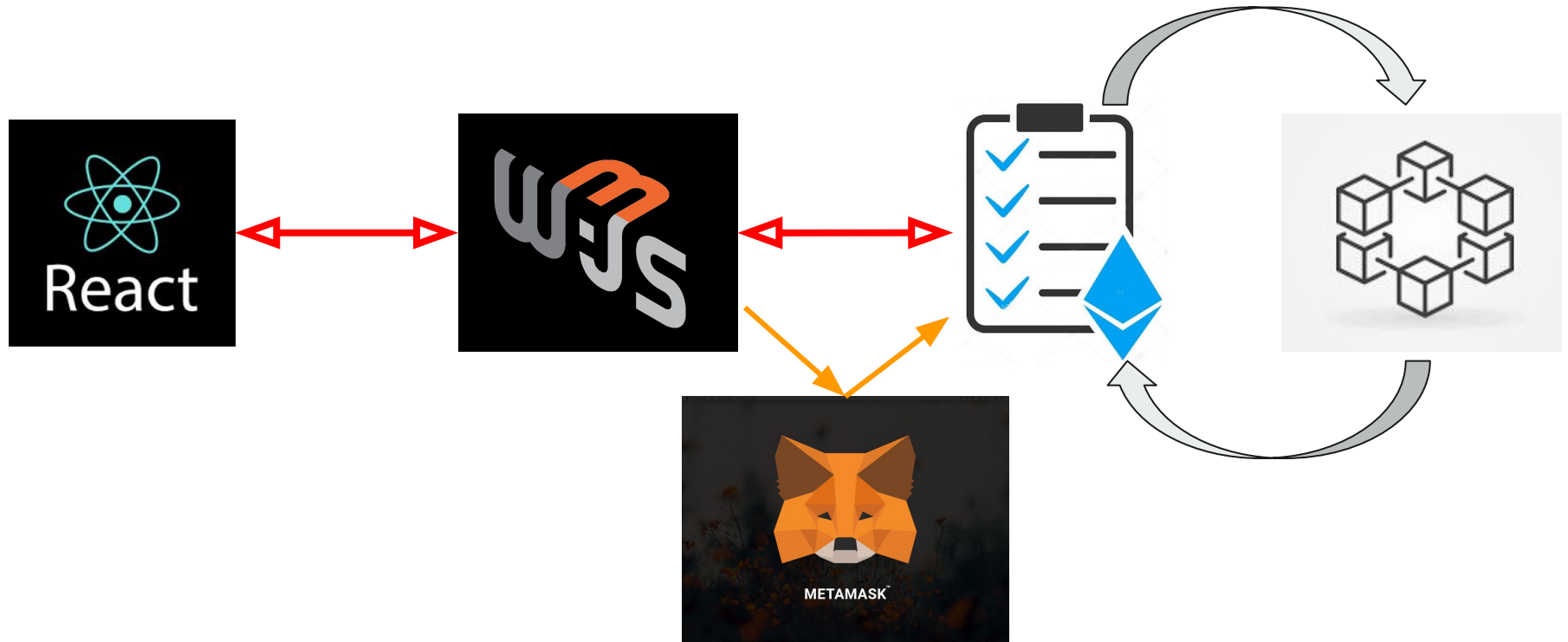
Each transaction is done and stored in the blockchain.

Smart Contracts

- transaction **protocol**

- automatically **execute** & control actions

- terms of a **contract** or an agreement.
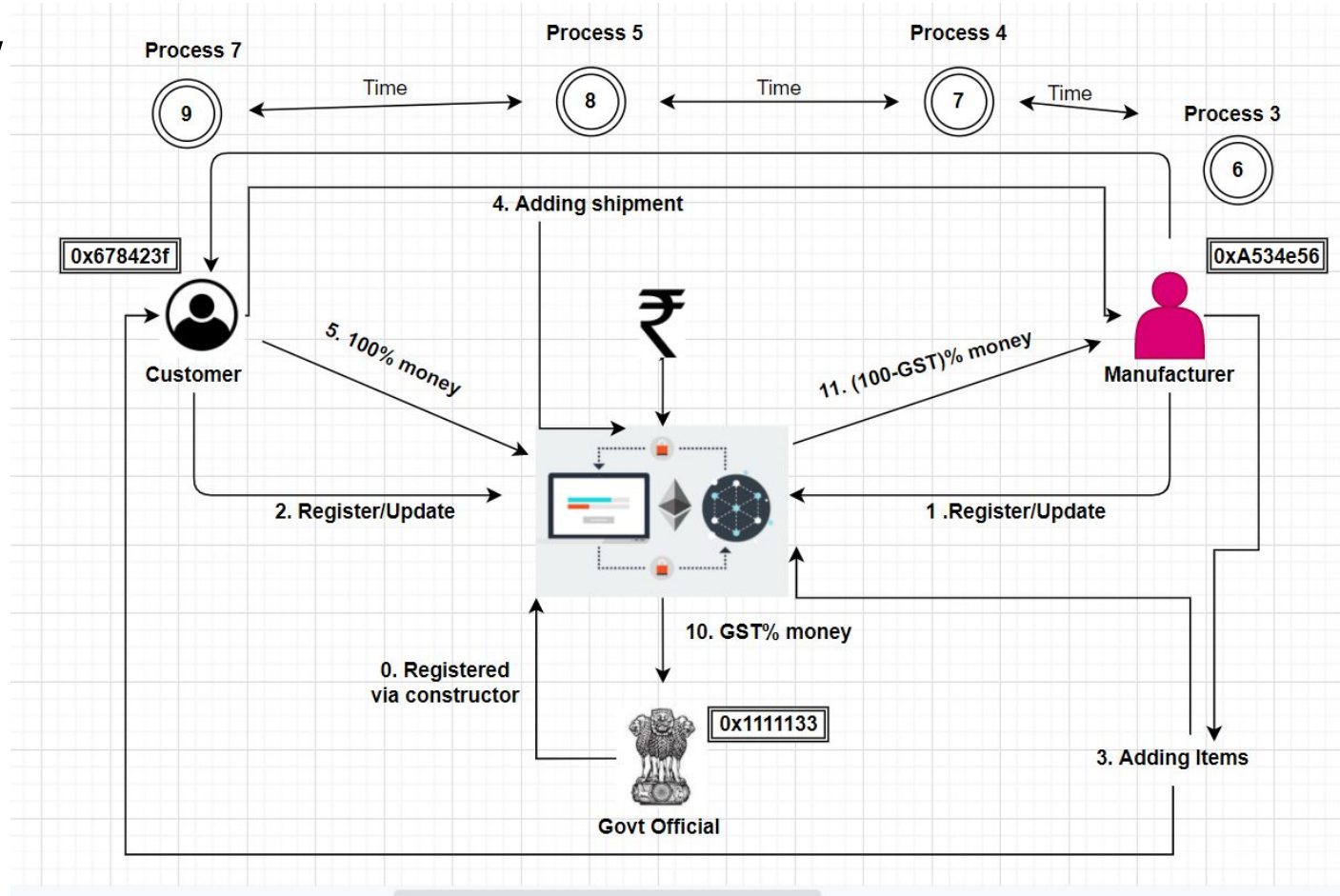
Technology Stack

Process Flow

With any changes there are events which are fired and taken up by the frontend.

Cancellation procedure
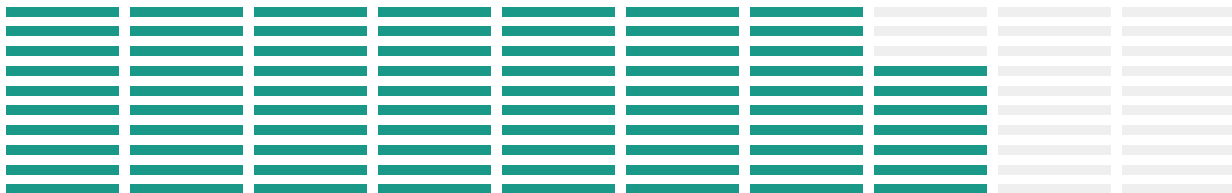
Why our ~~Application~~ Dapplication

- All transactions are **securely done on blockchain**.

- Data becomes **Immutable** and **Decentralized**.

- Details of Transactions **stays forever** and can be tracked at any point of time.

- The **money** is kept **in smart contract**

- **The GST is sent to the government without any intermediaries.**

- **No** need to **trust** as smart contract automates it.

- **Government** can look into details.

Trend Analysis

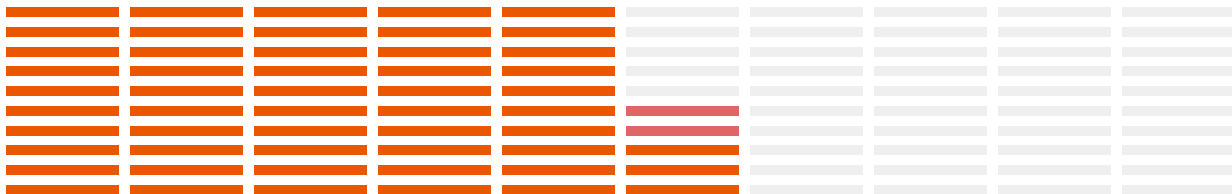## FINANCE AND BLOCKCHAIN

77%

77 percent of financial sector incumbents **will** adopt blockchain as part of their systems or processes by 2022

BLOCKCHAIN BEYOND BITCOIN

55%

55 percent of blockchain initiatives for social well-being have been showing an impact. Projects related to democracy and governance have been the most significant in its impact.

Target Audience

Manufacturers

Government Institutions

सत्यमेव जयते

Customers

Market Rivalry

Amazon

Flipkart

Our Approach

Boiler-Plate and GitHub Repository Set up

2.

Basic UI and documentation ideas penned down

4.

Testing and Documentation completed

1.

3.

5.

Finalized on algorithms and Process flow

MVP application ready

Our Contribution

1

POOJA DAS

Has worked on the frontend part of the project in React . She has created most of the components in react and has also integrated the designs to our applications and came up with some basic algorithms.
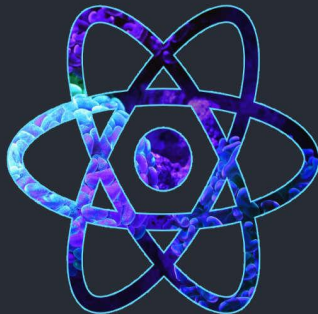
3

SWAPNIL KOLE

Has worked on blockchain and smart contract part of the project. He has programmed the smart contract . He has integrated the react with the smart contracts by web3 and has also integrated the metamask wallet. He has also helped in making the React application. Also helped with figuring out the workflow.

2

ATIPHA MOHANTY & PALLAVI MISHRA

Have worked together on the Documentation, Technical writing,Presentation and proposed the design of the UI and have managed the product-state from start to finish..

Team BrimNet

SWAPNIL KOLE

POOJA DAS

ATIPHA MOHANTY

PALLAVI MISHRA

THANK YOU.