DEPARTMENT OF COMPUTER APPLICATIONS
COLLEGE OF ENGINEERING TRIVANDRUM

MINI PROJECT DIARY
August 2018 - November 2018

Name and Roll No of Student	:	**NANDAKISHORE VV**
KTU Reg No	:	**TVE16MCA33**
Year of Admission	:	**160539**
Title of the Mini Project	:	**Blockchain Enabled E-Voting**
Scrum Master	:	**Vinya Vijayan**
Product Owner	:	
Development Team #	:	**21**
Signature of the student	:	

Name : Nandakishore VV

 Roll no: 33

Topic : Blockchain Enabled E-Voting Reference Paper/Papers: 1. Blockchain-Enabled E-Voting, Nir Kshetri, University of North Carolina at Greensboro. nbkshetr@uncg.edu and Jeffrey Voas, co-founder of Cigital, IEEE Fellow. j.voas@ieee.org.

ABSTRACT

Blockchain is a decentralized ledger used to securely exchange digital currency, perform deals and transactions. In my project titled blockchain enabled E-voting, (BEV), blockchain technology in employed to make an E-voting system. To use a digital-currency analogy, BEV issues each voter a "wallet" containing a user credential. Each voter gets a single "coin" representing one opportunity to vote. Casting a vote transfers the voter's coin to a candidate's wallet. A voter can spend his or her coin only once. However, voters can change their vote before a preset deadline.

Ethereum can be used to implement this blockchain. The smart contract for carrying out the entire voting procedures like casting, counting etc will be written using solidity. The consensus mechanism to be used is Proof-of-Work(PoW) and it needn't be written exclusively for this project as there is no special consensus required for verifying the transactions involved ie; voting.

The idea is to implement a web based front end and to use blockchain as the cryptographically secured back end, to carry out election process.

Signature of the Scrum Master

Review Form (Product Back Log)

Review: 1

Version: 1.0   **Date:**

User Story Id	Comments from Scrum Master if any	Comments from Product Owner if any

Signature of Scrum Master   **Signature of Product Owner**

Review Form(Sprint backlog)

Version: 1.0   **Date:**

Sprint Review :1

User Story Id	Comments from Scrum Master if any	Comments from Product Owner if any

Signature of Scrum Master   **Signature of Product Owner**

Details of Versions

Version #	Name of Document	Revision Date	Approved By Owner	Approval Date	Reason
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