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THE NATIONAL COLLEGE
Autonomous
Jayanagar, Bangalore-560070

Project Report on
Ethereum Blockchain based

E-Voting for Aircraft Design Approval Application

BY

Rohit V

20NCJB421

Under the guidance of
Prof VARADARAJ R

E-Voting for Aircraft project report submitted in partial fulfilment of the
requirements of

VI Semester BCA, THE NATIONAL COLLEGE JAYANAGAR, Bangalore.



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CERTIFICATE

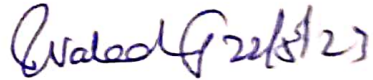
This is to certify the project report titled "eVoting for Aircraft Design Approval Application" is a work done by **Rohit V** of THE NATIONAL COLLEGE, Jayanagar, Bengaluru, in partial fulfilment of the requirements of VI Semester BCA during the year 2022-2023.


HEAD OF THE DEPARTMENT
Head, Dept. of Computer Science
The National Degree College
(Autonomous)
Jayanagar, Bangalore - 560 070
Examiners:

1.

2.





PROJECT GUIDE

Examination Centre

National College, Jayanagar

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ABSTRACT

- Download and install "METAMASK" wallet as the extension of chrome browser.
- Download and install the latest version of "GANACHE ETHEREUM TEST BLOCKCHAIN"
- Link the "METAMASK" to the "first account" of the "GANACHE TEST ETHEREUM BLOCKCHAIN" and verify the quantity of ether available in Metamask's account
- Download and install NodeJS for Windows Platform20
- Verify the successful installation of "NodeJS" and "npm" through Windows terminal (using "cmd" command)
- Install Truffle through Windows terminal and verify its version after installation.
- Download and Install "Visual Studio code" editor and verify
- After setting Up the Environment Compile, Migrate and Test METAMASK, GANACHE, NODEJS, TRUFFLE, VISUAL STUDIO CODE in windows platform and Run the Project
- Display the front-end on the default Browser of the Voting application for company Board Resolution.
- Create a voting for company board resolution.
- Metamask should be able to calculate the transaction fees for creating a voting campaign and registration of voters.

- Ganache should record the registered voters' transaction and it should be verifiable.
- Using one Ganache Ethereum Account voter once voted should not be able to Vote again.
- Using different Ganache Ethereum accounts, the account holder should be able to vote for their candidate and verify the related transactions in Ganache.