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THE NATIONAL COLLEGE
Autonomous
Jayanagar, Bangalore-560070

**ETHEREUM BLOCKCHAIN BASED ON
E-VOTING FOR BEST FILM AWARD**

BY

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20NJCB446

**Under the guidance of
Prof. VARDARAJ R**

E-Voting for Best film award project report submitted in partial fulfilment of the
requirements of

VI Semester BCA, THE NATIONAL COLLEGE JAYANAGAR

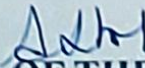


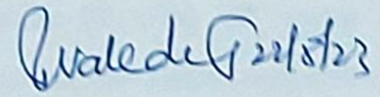
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CERTIFICATE

This is to certify the project report titled "e-voting for Best Film Award" is a work done by **ABDUL LATHIF T** of **THE NATIONAL COLLEGE, Jayanagar, Bengaluru**, in partial fulfilment of the requirements of **VI Semester BCA** during the year **2022-2023**.


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PROJECT GUIDE

Examiners:

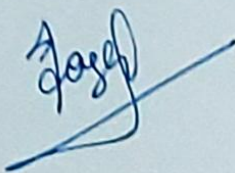
Examination Centre

1.

The National College, Jayanagar.

2.

Date of Examination:



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“E-voting for Best film award” is the project of many hands from the team. Our tribute for the successful completion of the project goes to all those who helped through their constant guidance and encouragement. The satisfaction that accompanies the success would be incomplete without thanking person who made it.

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We extend our thanks to all our teaching staffs of department of computer science. Finally, we thank one and all who helped us directly and indirectly for the completion of our project.

X) Project Execution	10
1) Start the Desktop version of Ganache (Test Ethereum Blockchain).....	10
2) Sign-In to the Metamask, select the network "Ganache Desktop Network7545", import the first account of the Ganache Blockchain and make sure that the account is in "connected" state. Rename the account as "Admin-Acct"	10
3) Compile and deploy the smart contract on to Ethereum Test Blockchain on to Ganache using Ether through Metamask. Further deploy the frontend onto your default Browser	11
4) Click on "ADMIN" option and fill-in the relevant info under "About Admin", "About eVoting" and click on "Start eVoting" button. Click on the "Confirm" button of the Metamask. Verify that the eVoting process got started	13
5) Click on "Add Candidate" option and fill-in the info related to the Candidates for which you need eVoting. Create 2 Candidates for eVoting	15
6) Click on "Registration" and register 3 Voters	15
7) Select the "Admin-Account" In Metamask, refresh the screen, click on "Verification" link and as an Admin approve all the 3 Voters.....	21
8) Click on "Voting" link and check the Election Info displayed.....	27
9) Select the "Vote1-Acct" in Metamask, make sure that the account is in "connected" status, refresh the screen, confirm that "Vote" buttons are enabled now, click on "Vote" button against the Candidate titled "Ramesh Gowda".....	28
10) Select the "Vote2-Acct" in Metamask, make sure that the account is in "connected" status, refresh the screen, confirm that "Vote" buttons are enabled now, click on "Vote" button against the Candidate "Ganesh Shivraj"	29
11) Select the "Vote3-Acct" In Metamask, make sure that the account is in "connected" status, refresh the screen, confirm that "Vote" buttons are enabled now, click on "Vote" button against the Candidate "Ramu Gowda"	31
12) Select "Admin-Acct", make sure that the account is in "connected" status, refresh the page, click on "ADMIN" and click on "eVoting End" button as an Admin	34
13) Click on "Results" link and verify the eVoting Results.....	37
II) Project Summary	38

I) Project Goal (Problem Statement)

To design, develop and verify the “eVoting for Election Application” having the following features:

- a) Display the front-end of the Application on the default Browser
- b) Setup the “Admin” related info and start the eVoting process
- c) Add 3 Candidates for eVoting
- d) Register 4 Voters
- e) As an “Admin” approve all the 4 Voters
- f) Perform eVoting for Election using 4 Voters account
- g) As an “Admin” close the eVoting Process
- h) Verify the result of eVoting

II) Solution Proposed

We will design, develop, implement and verify the Ethereum Blockchain based solution namely “eVoting for Election Application” which will be executed in a Windows System. The proposed Solution will meet all the features specified in the Problem statement