



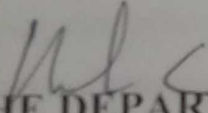
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# THE NATIONAL COLLEGE

Autonomous  
Jayanagar, Bangalore-560070

## CERTIFICATE

This is to certify the project report titled "Houses' Purchase Shop Application" Project" is a work done by MYTHRI.L[19NCJB464], of THE NATIONAL COLLEGE, Jayanagar, Bengaluru, in partial fulfilment of the requirements of VI Semester BCA during the year 2021-2022.

  
HEAD OF THE DEPARTMENT

  
PROJECT GUIDE

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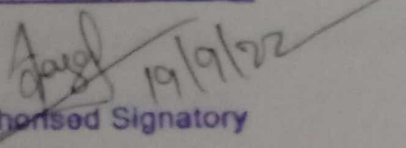
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Date of Examination:

## ACKNOWLEDGEMENT

**Houses' Purchase Shop Application** project is an unique project using the impotant AWS Services. 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 the person who made it.

We are thankful to our beloved Principal **Dr.Y.C.KAMALA**, who encourages us to come with new and innovative ideas and for providing the environment with all facilities for completing the project.

We are also grateful to our Head of the Department **Prof.SHALINI.C**, Department of computer science for her valuable guidance and constant support during our project development.

We are also grateful to our project guide **Prof.VARADARAJ.R**, lecturer Department of computer science for his valuable guidance and constant support during our project development.

A special thanks to **Muthuram Govindarasu** CEO and Founder of Indigeneous Tech Private Limited with 10 years of experience in Blockchain for his valuable guidance and technical support for our project.

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

## ABSTRACT

### ➤ **Why Blockchain**

- It helps in the verification and traceability of multistep transactions needing verification and traceability.
- It can provide secure transactions, reduce compliance costs, and speed up data transfer processing. Blockchain technology can help contract management and audit the origin of a product.

### ➤ **Importance of Blockchain**

- Immutable
- Secured
- Transparent
- Less time for transactions
- Avoids double spending

**The project is to design, develop and verify the Houses' Purchase Shop Application having the following features:**

- 1) Display the front-end on the default Browser with available Houses for Purchase in the Shop.
- 2) Purchase a House by clicking on the "Purchase" button.
- 3) Metamask should be able to calculate the transactions fees for storing the purchase transactions in the Ganache Blockchain.
- 4) Ganache should record the purchase transactions and it should be verifiable.
- 5) House once purchased should not have the option of purchasing again.
- 6) Using one Ganache Ethereum Account the Account holder should be able to purchase more than one House.
- 7) Using different Ganache Ethereum accounts, the account holder should be able to purchase Houses and verify the related transactions in Ganache.

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