

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELAGAVI - 590018**



**A PROJECT REPORT ON
“COVID-19 VERIFICATION AND SUPPLY CHAIN
MANAGEMENT SYSTEM”**

Submitted in partial fulfillment for the award of Degree of,

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE & ENGINEERING

By

PRINSON D'SOUZA

4AL19CS069

SWASTHIK

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UPASANA SHENOY R U

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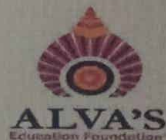
VAIBHAV S SOORINJE

4AL19CS103

Under the Guidance of

Mr. Abhijith L Kotian

Assistant Professor



**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY
MOODBIDRI-574225, KARNATAKA**

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MIJAR, MOODBIDRI D.K. -574225, KARNATAKA



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
CERTIFICATE

This is to certify that the Project entitled "**COVID-19 VERIFICATION AND SUPPLY CHAIN MANAGEMENT**" has been successfully completed by

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The Bonafede students of DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING, ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the Bachelor of Engineering Degree.

Mr. Abhijith L Kotian
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Name of the Examiners

Signature with Date

- 1.
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ABSTRACT

The COVID vaccine certificate is a guaranteed proof issued by the Government that a person has received COVID-19 vaccine. The people who are fully or partially vaccinated have to carry the certificate for various reasons, including travel allowance, medical care, etc. Currently, there are different types of certificates being issued, i.e., for the First Dose, Second Dose and a consolidated certificate for all doses, whether you've received Covidshield or Covaxin. It's no surprise that there is been a lot of discussion about Covid-19 certificates being able to prove that one has actually received the vaccination. Here, we deal with 3 scenarios:

1. Many people's vaccine certificates were rejected due to fraudulent claims.
2. The WHO suspended the approval process for a specific vaccine due to inspection issues at the manufacturing plants.
3. A large people with valid and original COVID-19 certificates were denied entry in many countries because the country at ports of entry did not receive any database from the original country to access and verify if the people are actually vaccinated or not.

A COVID-19 Verification and Supply Chain Management system is a web application that provides solutions to the above-mentioned problems by implementing blockchain to verify the vaccine certificates at various different levels.