

# Department of Computer Science and Engineering

**Global Campus, Jakkasandra Post, Kanakapura Taluk, Ramanagara District, Pin Code: 562 112**

**2022-2026**

**Sixth Semester Progress Report on**

“**Pneumonia Detection using k-fold cross validation and MobileNetV2**”

**Submitted for the partial fulfilment of Project Centric Learning activity of**

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**

**Submitted by**

**Madineni Rohith**

**22BTRCN163**

**Under the guidance of**

**Dr. Cholla Ravindra Raman,**

Professor

Department of Computer Science & Engineering

School of Computer Science and Engineering

JAIN (Deemed-to-be University)



# Department of Computer Science and Engineering

**Global Campus, Jakkasandra Post, Kanakapura Taluk, Ramanagara District, Pin Code: 562 112**

# CERTIFICATE

This is to certify that the project centric learning work titled **“Detection of Pneumonia using Machine Learning”** is carried out by **Madineni Rohith (22BTRCN163)** Bonafide students of Bachelor of Technology at the Faculty of Engineering & Technology, Jain Deemed-to-be University, Bangalore in partial fulfillment for the project centric learning activity of degree in Bachelor of Technology in Computer Science & Engineering, during the year **2022-2026**.

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| --- | --- | --- |
| ***Dr. Cholla Ravindra Raman*** | ***Dr. T N Mahesh*** | ***Dr. Geeta Rani*** |
| Professor,  Dept. of CSE,  School of Computer Science and Engineering  JAIN (Deemed-to-be University)  Date: | ***Program Head,***  Dept. of CSE,  School of Computer Science and Engineering  JAIN (Deemed-to-be University)  Date: | Director,  School of Computer Science and Engineering  JAIN (Deemed-to-be University)  Date: |

Name of the Examiner Signature of Examiner

1.

2.

# DECLARATION

I, **Madineni Rohith (22BTRCN163)** am student of IV semester B. Tech in **Computer Science & Engineering**, JAIN (Deemed-to-be University), hereby declare that the project centric learning work titled **“Detection of Pneumonia using Machine Learning”** has been carried out by me and submitted in partial fulfilment for the project centric learning activity of degree in **Bachelor of Technology in Computer Science & Engineering** during the academic year **2022-2026**.

Signature

|  |  |
| --- | --- |
| Name: Madineni Rohith  USN: 22BTRCN163 |  |
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|  |

Place: Bangalore

Date:

## ACKNOWLEDGEMENT

*It is a great pleasure for us to acknowledge the assistance and support of School of Computer Science and Engineering, Jain (Deemed-to-be University) for the progress of this project centric learning work.*

*In particular we would like to thank* ***Dr. Geeta Rani****,* ***Director,*** *School of Computer Science Engineering and* ***Dr. T N Mahesh, Program Head,*** *Department of Computer Science and Engineering, JAIN (Deemed-to-be University) for their constant encouragement and expert advice.*

*We would like to thank our guide* ***Cholla Ravindra Raman****,* ***Professor,******Department of Computer Science & Engineering****, JAIN (Deemed-to-be University), for sparing his valuable time to extend help in every step of our project work, which paved the way for smooth progress of the project.*

*We would like to thank our Project Coordinators and all the staff members of Computer Science & Engineering for their support.*

*We would like to thank one and all who directly or indirectly helped us in the progress of our Project.*

*Signature of Students*

# ABSTRACT

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