

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY**  
**JNANA SANGAMA BELAGAVI, KARNATAKA, 590018**



**A Project Phase 1 Report on**

**“PLANT LEAF DISEASE DETECTION USING MACHINE  
LEARNING”**

Submitted in partial fulfilment of the requirements for the award of degree of

Bachelor of Engineering in

**Computer Science and Engineering**

Submitted by:

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Subject code: 18CSP77



**Jain College of Engineering & Research Belagavi**

**Department of Computer Science and Engineering**

**Academic Year 2021 - 2022**



**Jain College of Engineering & Research, Belagavi**

(Approved by AICTE, New Delhi, Affiliated to VTU Belagavi & Recognized by Govt. of Karnataka)

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

# Certificate

This is to certify that Project entitled “**PLANT LEAF DISEASE DETECTION USING MACHINE LEARNING**” is a bonafide work carried out by, **Bhakti Chandilkar (2JR18CS011)**, **Praveen Ukkoji (2JR18CS051)**, **Shivani Shirguppi (2JR18CS068)**, **Vishal Barale (2JR19CS437)**, in partial fulfilment of the requirements for the award of **Bachelor of Engineering** degree in **Computer Science & Engineering** of the **Visvesvaraya Technological University, Belagavi** during the year 2021-2022. It is certified that all the correction/suggestion indicated for internal assessment have been incorporated in the report. The 7<sup>th</sup> Semester Project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Bachelor of Engineering degree.

**Signature of the Guide**  
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**Signature of the HOD**  
**Dr. Pritam Dhumale**  
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**Signature of the Principal**  
**Dr. S. V. Gorabal**  
Principal  
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**Name of the Examiners**

**Signature with Date**

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