VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANA SANGAMA CAMPUS, BELGAVI-590018



PROJECT REPORT

On

"PLANT DISEASE PREDICTION USING ATMOSPHERIC CONDITIONS"

Submitted by

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In partial fulfillment of the requirements for the degree of BACHELOR OF ENGINEERING

O PACHERINA ME IN VENENARAYA TEL

INFORMATION SCIENCE AND ENGINEERING
Under the Guidance of
Mr. SUDHARSHANA. K

Senior Assistant Professor



DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING ALVAS INSTITUTE OF ENGINEERING AND TECHNOLOGY

Moodbidri-574225, Karnataka 2018–2019

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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING CERTIFICATE

Certified that the project work entitled "PLANT DISEASE PREDICTION USING ATMOSPHERIC CONDITIONS" is a bonafidework carried out by

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in partial fulfilment for the award of BACHELOR OF ENGINEERING in INFORMATION SCIENCE AND ENGINEERING of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM during the year 2018–2019. 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.

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ABSTRACT

the of the major employment sectors of India is agriculture. It is the pillar of Indian economy major to the whole financial succession of the country. To improve quality of farming matternet of Things (IoT) based system can be recommended. An IoT system consists of matters and, or sensors, or both that affords connectivity to the internet directly or indirectly. In this paper, a novel system is developed using various sensors- like soil moisture sensor, temperature sensor, Humidity sensor and Gas sensors- for detecting occurrences of fungal seases on a chilly plant. The parametric values are fetched from sensors, which are deployed in the farm and data are transmitted to Arduino Uno (Microcontroller) through wired network. In this speak-a cloud platform- where the filtered data is verified and matched with trained data-like temperature value, humidity value, Gaseous concentration and soil moisture value for the medical interest of the farmer either as a SMS on to the mobile or through push e- mail on to the inbox of the farmer with disease control counter measures.

SOFTWARE REQUIREMENTS=