VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"Jnana Sangama" Belagavi – 590018

Mini Project Report on

"ADVANCE HEALTHCARE MANAGEMENT SYSTEM"

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

BACHELOR OF ENGINEERING
IN
ELECTRONICS & COMMUNICATION ENGINEERING

Submitted By

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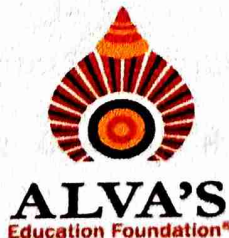
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CERTIFICATE

This is to certify that the following students,

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has submitted Project synopsis on "ADVANCED HEALTHCARE MANAGEMENT SYSTEM" for VI Semester B.E. in Electronics & Communication Engineering during the academic year 2023-24. The mini project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the Bachelor of Engineering Degree.

Mini Project Guide

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ABSTRACT

With the exponential growth in various technologies today, IOT is one of major domains which has found a broad spectrum of applications. The aim is to increase the quality of health care facilities with the help of IOT. The requirement of proper health care facilities in rural areas are yet to be covered. This abstract introduces a novel approach for providing the proper health care facilities to the people in the rural areas where there is unavailability of doctors. The system also helps in improving the quality of life of the people in rural areas. Various sensors like ECG senor, temperature sensors, heartbeat sensors and others collects the vital data from the patient and stores in the IOT cloud, and these data is used is made available to the doctors.

The web page using front end and back end technologies is developed for patient easy interface. The patient will connect to a remote doctor through video call. The video call link, patient's collected real time vital data and prescription form will be sent to all registered doctors so that any doctor who is free can join the video conference and assist the patient. After discussion with patient the doctor will fill the prescription form will be filled and the prescription will be made available to patient. This reduces expenses of long distance travel to seek medications. This implementation not only promotes the growth of the health care facility in the country but also utilizes the best of the IOT applications for the welfare of the society.