CCN PROJECT PROPOSAL
Temperature sensing using DHT11

Objectives:

To show the reading analytics of temperature sensor on the web application using raspberry pi technology.

Abstract:

This project will show the continuous readings analytics of temperature sensor **DHT11** on firebase or any other graph dashboard. This operation is performed using raspberry pi board, DUT11 sensors and breadboard. Here we will use **Raspbian** Operating System and python language for software solutions. This IOT project will be connected to web application through Wi-Fi. Here we have to configure Wi-Fi in raspberry pi board.

Components:

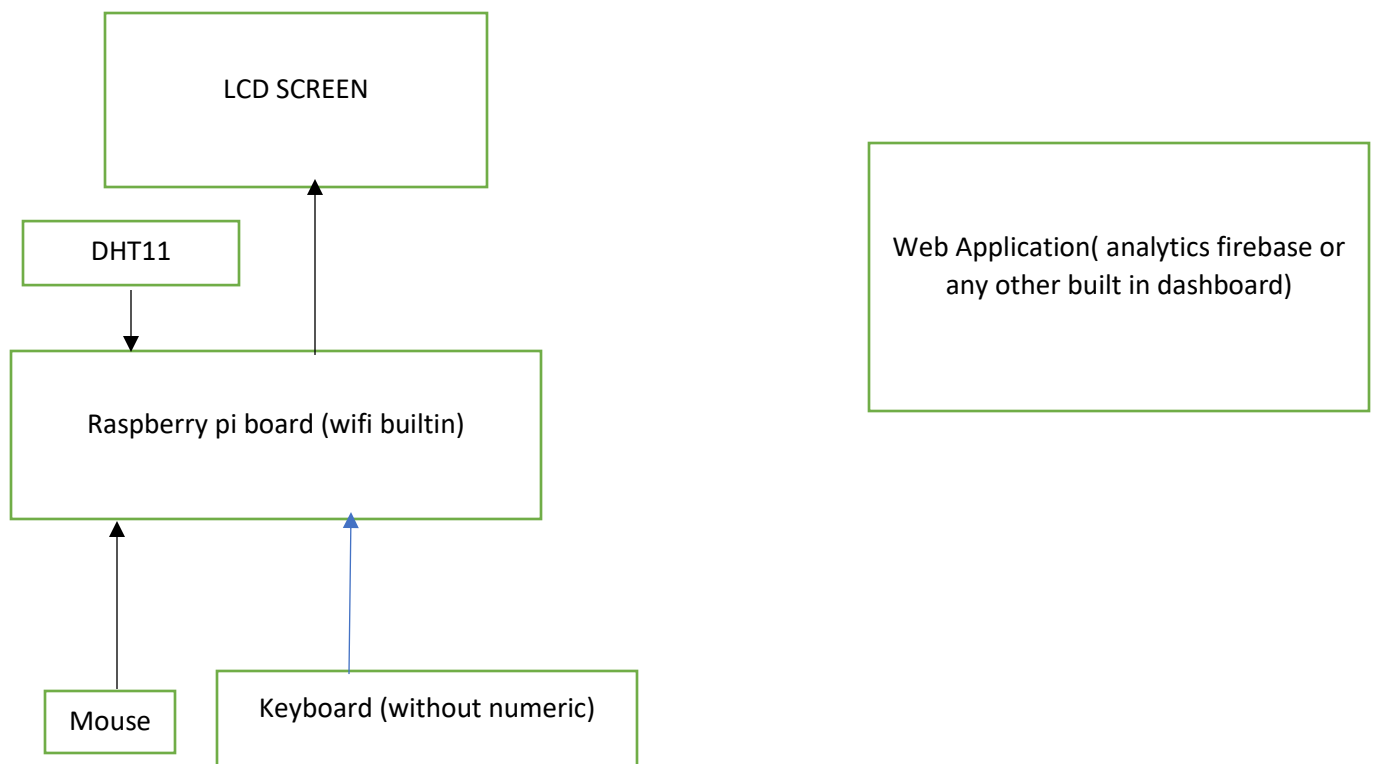|	
1	Raspberry pi Board
2	VGA Cable
3	LCD
4	DHT11
5	Breadboard

Development Environments:

1. Raspbian (Operating System)
2. Python (Language)
3. Firebase (Tools For analytics)

Delivery Timings:

Project will be delivered after month from the date of proposal submission and acceptance

Points For Project:

1) This project is the part of PhD research of faculty.
2) Here Project will be developed under the supervision of faculty
3) Components provided by faculty will be returned to faculty on the completion of project on the same state as state on the time of provision.

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│                     │
│     LCD SCREEN      │
│                     │
└─────────────────────┘
           ▲
┌──────────┐          │
│  DHT11   │          │
└──────────┘          │
      │               │
      ▼               │
┌─────────────────────────┐          ┌──────────────────────────────┐
│                         │          │                              │
│ Raspberry pi board      │          │ Web Application( analytics   │
│ (wifi builtin)          │          │ firebase or any other built  │
│                         │          │ in dashboard)                │
└─────────────────────────┘          └──────────────────────────────┘
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Approved by Faculty for project:

Name: _____   Sign:

APPROVED BY MEMBERS FOR WORKING

Group Members:

1	Syed Abdullah Hussaini		
2	Abdul Quddos		
3	Mustafa		
4	Farhan Ali		

Resources:

https://iot4beginners.com/amaze-your-friend-with-latest-tricks-of-raspberry-pi-and-firebase/

https://www.youtube.com/watch?v=0CC0dg1IcSg