PROJECT TITLE: Smart Farmer - IoT Enabled Smart Farming Application

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PYTHON CODE:

```
// Fill-in information from your Blynk Template here

#define BLYNK_TEMPLATE_ID "TMPLEHXAYFKX"
#define BLYNK_DEVICE_NAME "Crop prediction"

// aravindkarthick2630@gmail.com
//pw: iotproject2022

#define BLYNK_FIRMWARE_VERSION        "0.1.3"

#define BLYNK_PRINT Serial
//#define BLYNK_DEBUG

//#define APP_DEBUG

// Uncomment your board, or configure a custom board in Settings.h
//#define USE_SPARKFUN_BLYNK_BOARD
#define USE_NODE_MCU_BOARD
//#define USE_WITTY_CLOUD_BOARD

int c;
//Change the virtual pins according the rooms
#define VPIN_1    V0  //temp
#define VPIN_2    V1  //temp stat
```

```
#define VPIN_3    V2  //huminity
#define VPIN_4   V3  //moist
#define VPIN_5   V4  //moist status




#include "BlynkEdgent.h"



int t,a,h,m,b;

BLYNK_CONNECTED()
{
  Blynk.syncVirtual(VPIN_1);
  Blynk.syncVirtual(VPIN_2);
  Blynk.syncVirtual(VPIN_3);
   Blynk.syncVirtual(VPIN_4);
    Blynk.syncVirtual(VPIN_5);




}

void setup()
{
```

```
  Serial.begin(9600);
  delay(100);

  BlynkEdgent.begin();


}

void loop()
{
  BlynkEdgent.run();

  if (Serial.available()>0)
  {
   c=Serial.read();

 // Serial.print(a);

    if(c=='T'){  t=Serial.parseInt(); Blynk.virtualWrite(VPIN_1,t); }

  else if(c=='A'){  a=Serial.parseInt(); Blynk.virtualWrite(VPIN_2,a); }

  else if(c=='H'){  h=Serial.parseInt(); Blynk.virtualWrite(VPIN_3,h); }

    else if(c=='M'){  m=Serial.parseInt(); Blynk.virtualWrite(VPIN_4,m); }

   else if(c=='B'){  b=Serial.parseInt(); Blynk.virtualWrite(VPIN_5,b); }

  }
```

```
}
```