



Ph: 04362 227725, +91-99431 20025, E-mail-armadaautomation@yahoo.in.

Date: 12.04.2022

To

The Principal,  
Sri Bharathi Engineering College for Women,  
Kaikkurichi,  
Pudukkottai – 622 303

Respected Sir/Madam,

Sub: On recipient of Institution Brochure and subsequent enquiry – Reg

We have been provided with a brochure of your institution consultancy work. In this regard, we would like to discuss the possibility of supplying Touch Free Temperature Monitoring System with your consultancy team. We are interested to know the related expenditure.

HOS/EGG

Send the quotation  
at the earliest

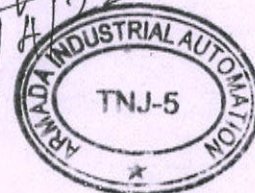
Dr. S. THILAGAVATHI M.E., Ph.D.,  
PRINCIPAL  
SRI BHARATHI ENGINEERING  
COLLEGE FOR WOMEN  
Kaikkurchi - 622 303, Pudukkottai Dt.

12/04/22

For Armada Industrial Automation,

K. Amirtha Ganesh.

Handwritten signature and date 12/4/22





# SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)

Pudukkottai - Aranthangi Road,

**Kaikkurichi, Pudukkottai - 622 303.**

Date : 21.4.2022

To  
Armada Industrial Automation,  
HIG- 47, New Housing Unit,  
Thanjavur – 5.

Sir,

Sub: Quotation for Design and Development of Touch Free Temperature Monitor System– Reg.

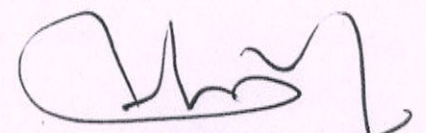
We are pleased to submit the official quotation for your consideration after our previous discussion on supplying Touch free temperature monitoring system. We are looking for your kind consideration and reply.

## Design and Development of the Touch-Free Temperature Monitor System

Sl. No.	Particulars	Quantity	Rate	Amount in Rs
1.	Touch Free Temperature Monitor System	35	1900	66,500
			Total Payable	66,500
In Words: Sixty-Six Thousand and Five Hundred only				

Thanking you

  
Dr. **S. THILAGAVATHI M.E., Ph.D.,**  
PRINCIPAL  
SRI BHARATHI ENGINEERING  
COLLEGE FOR WOMEN  
Kaikkurichi - 622 303, Pudukkottai Dt.

  
PRINCIPAL  
21/04/22  
PRINCIPAL  
SRI BHARATHI ENGINEERING  
COLLEGE FOR WOMEN  
KAIKKURICHI - 622 303,  
PUDUKKOTTAI DISTRICT



Date: 2.5.2022

To

The Principal,  
Sri Bharathi Engineering College for Women,  
Kaikkurichi,  
Pudukkottai – 622 303

Respected Madam,

With reference to the letter dated 12.4.2022, we are pleased to inform you that we have accepted your proposal for supply of the "Touch Free Temperature Monitoring System" as outlined in the quotation. We have authorized a total budget of Rs. 66,500 for the product. It is essential that this work is completed within the agreed-upon timeframe of 45 days.

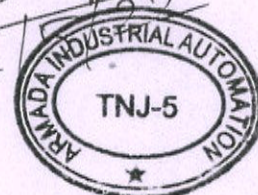
Hood / EGG

for necessary actions  
please

For Armada Industrial Automation,

K. Amirtha Ganesh.

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## **SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN**

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)

**Kaikkurichi, Pudukkottai - 622 303.**

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**PRODUCT DEVELOPMENT CONSULTANCY WORK**

**REPORT**

**Design and Development of Touch Free Temperature Monitoring System**

**SUBMITTED**

**TO**

**ARMADA,**

Industrial Automation,

HIG: 47, New Housing Unit,

Thanjavur -5.

**REPORT DATE: 13.6.2022**

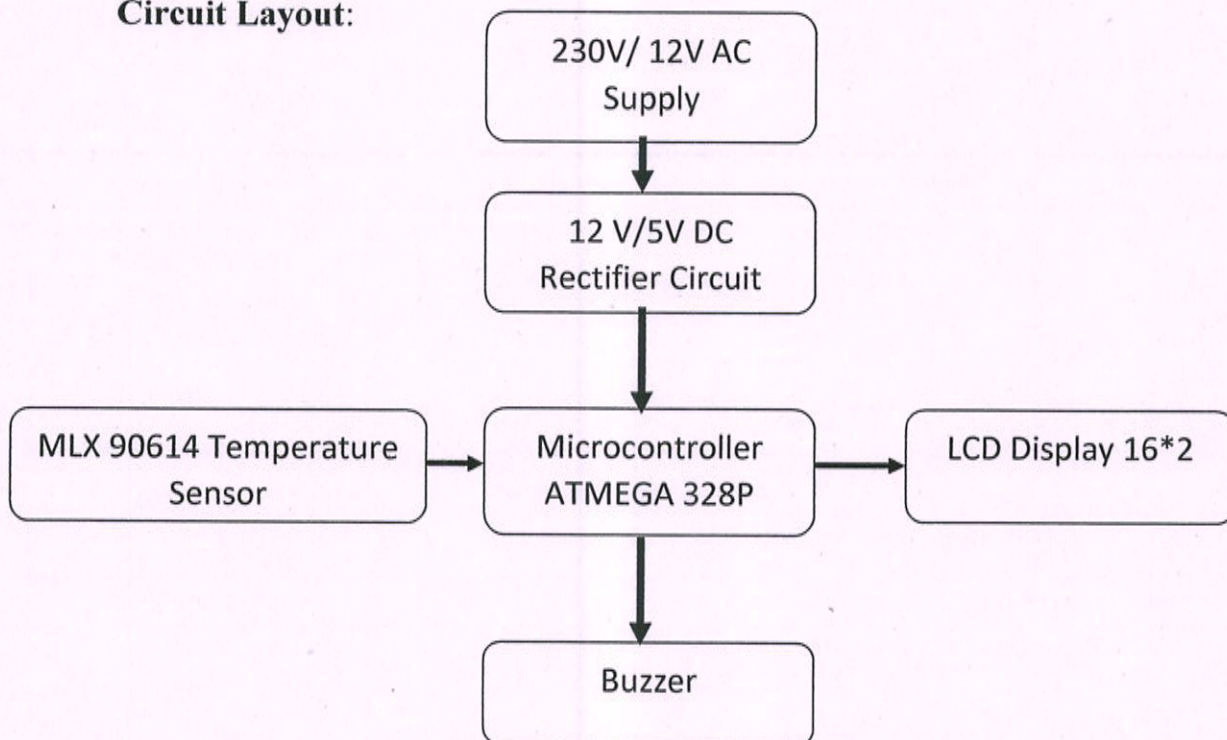
  
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Kaikkurichi - 622 303, Pudukkottai Dt.

## Touch Free Temperature Monitoring System

### Objective:

Due to the fact that corona is an infectious disease that is threatening the people of the world, in this difficult period, this device called Touch free temperature monitoring system is very important to detect the body temperature without any physical contact with the person. This device is very useful where public gathering is huge like Government offices, Transportation facility centres, Hospitals, Educational Institutions, Factories etc.,

### Circuit Layout:



**Software Requirement:** Arduino Uno IDE

### Hardware Requirement:

1. Arduino Uno – Microcontroller ATMEGA 328p
2. MLX 90614
3. Step Down transformer

  
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4. Rectifier

5. 16\*2 LCD Display

**Description:**

The touch-free human body temperature monitoring system utilizes an Arduino Uno microcontroller in conjunction with the MLX90614 temperature sensor to provide accurate and contactless temperature readings. This innovative solution ensures hygiene and safety by eliminating the need for physical contact, making it ideal for health screenings in public spaces. The MLX90614 sensor employs infrared technology to measure body temperature with precision and reliability. The Arduino Uno processes the data and can trigger alarms or display temperature readings on a screen. This system is crucial for pandemic control, allowing non-invasive temperature checks while minimizing the risk of infection transmission.

**Cost Estimation:**

Sl. No	Description	Cost
1.	Arduino Uno – Microcontroller ATMEGA 328p	680
2.	MLX 90614	540
3.	Step Down transformer	120
4.	Rectifier	10
5.	16*2 LCD Display	250
	Design Cost	300
	Total	1900

**Cost Per Product:** Rs. 1900 -/.

**Number of Products Delivered:** 35

**Total Cost of the Project:** Rs. 66,500 -/.

**Sanctioned Grant:** Rs. 66,500 -/.

  
**PROJECT INVESTIGATOR**

B-PRIYA, AP/BEE

  
**PRINCIPAL**

**PRINCIPAL**

**SRI BHARATHI ENGINEERING  
COLLEGE FOR WOMEN  
KAIKKURICHI - 622 303.  
PUDUKKOTTAI DISTRICT**

  
**Dr. S. THILAGAVATHI M.E., Ph.D.**

**PRINCIPAL**

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Kaikkurichi, Pudukkottai - 622 303.

Date : 13.6.2022

## Utilization Certificate

Certified that the amount of rupees Rs.66,500(Sixty-SixThousand and Five Hundred only) was sanctioned during the academic year (2021 - 2022), in favour of Department of Electrical and Electronics Engineering Sri Bharathi Engineering College for Women, Kaikkurichi, Pudukkottai, has been fully utilized for supply of Touch Free Temperature Monitoring System. The purpose of amount sanctioned has been fulfilled and delivered as per conditions of grant were satisfied.

  
PROJECT INVESTIGATOR

B. PRIYA, AP/EEE

  
PRINCIPAL

PRINCIPAL

SRI BHARATHI ENGINEERING  
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