



# MANORA BUILDER'S

No.214/6, Perumal Konar Building,  
Sethu Road, Peravurani - 614804  
Mail: manorabuilderspvi@gmail.com

DATE: 10.02.2023

Er. D.JAYAKUMAR BE.,  
Consulting Civil Engineer.  
Registered Engineer Grade -I.

**To**

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

**Dear Sir/Madam,**

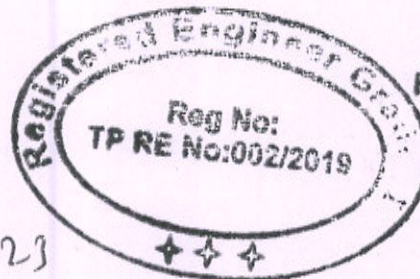
We have 15 years of experience in construction field and currently working in home automation for our clients. To meet the needs of clients, we are really interested in your project "Electrical Appliances Control Using IoT". We would like to know more regarding the design, development and working of IoT based home appliances control system. In this connection send your quotation for further consideration.

Thanking You

Forwarded to

H/O / ECE

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



*[Handwritten Signature]*

Proprietor

Er.D.JAYAKUMAR,B.E.,  
Registered Engineer Grade -I  
214/6, Anna Salai  
Perumal Konar Building,  
PERAVURANI-614804,  
Cell No: 9842948700



# 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 : 16.02.2023

To

Er.D.Jayakumar,  
Manora Builders,  
Sethu Road,  
Peravurani(Tk),  
Thanjavur- 6222304.

Respected Sir,

Sub : Submission of Consultancy Work quotation – Reg.

\*\*\*\*

Greetings from Sri Bharathi Engineering College for Women!!!

With reference to your letter dated 10.02.2023, regarding the development of a product to control the home appliances using IoT, we would like to submit the quotation for the product development consultancy work of your esteemed organization. We would like to bring to your kind notice that, the product “**Electrical Appliances Control using IoT**” unit price may cost around Rs 4000/- and expecting positive response from your side.

Sl. No.	Particulars	No of Quantity	Unit Rate(Rs)	Amount in Rs
1.	Unit Cost including Cabinet Design	25	4,000	1.00.000
			Sub Total	1,00,000
Total Payable				1,00,000
Project Design and delivery- 50 days. Minimum of 25 pieces has to be ordered initially.				

The tentative days required to complete the proposed work will be 50 days.

  
PROJECT INVESTIGATOR

Thanking You

  
PRINCIPAL

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

SRI BHARATHI ENGINEERING  
COLLEGE FOR WOMEN

Kaikkurichi - 622 303, Pudukkottai Dt.

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

Ph: 04322 - 242768 Mobile: 99422 28029, 97509 28029

website : www.sbec.edu.in e-mail : sribharathienggcollege@gmail.com



# MANORA BUILDER'S

No.214/6, Perumal Konar Building,  
Sethu Road, Peravurani - 614804  
Mail: manorabuilderspvi@gmail.com

DATE: 20/02/2022

Er. D.JAYAKUMAR BE.,  
Consulting Civil Engineer.  
Registered Engineer Grade -1.

To

The Principal,  
Sri Bharathi Engineering College for Women,  
Kaikkurichi,  
Pudukkottai-606 303.

170D/ECE  
for necessary action  
plan  
20/02/22

Dear Sir/Madam,

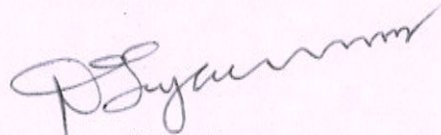
We inform you that the project proposal submitted by ECE Department of your institution under the work title "Electrical Appliances Control using IoT" has approved by our company. We have sanctioned the total amount of Rs 1, 00,000/- to complete the project work.

Thanking You

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



Proprietor

  
Er.D.JAYAKUMAR,B.E.,  
Registered Engineer Grade I  
214/6, Anna Salai  
Perumal Konar Building  
PERAVURANI-614 804  
Cell No: 9842948700

**SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN**  
**Kaikkurichi, Pudukkottai - 622 303.**



**DEPARTMENT OF ELECTRONCS AND COMMUNICATION  
ENGINEERING**

**CONSULTANCY PROJECT WORK**

**REPORT**

**ELECTRICAL APPLIANCES CONTROL USING IoT**

**SUBMITTED**

**To**

**Er.D.Jayakumar**

**Proprietor,**

**Sethu Road, Peravurani,**

**Thanajvur- 622304**

**10.05.23**

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

**SRI BHARATHI ENGINEERING  
COLLEGE FOR WOMEN**

**Kaikkurchi - 622 303, Pudukkottai Dt.**

## **Product Development Consultancy Report:**

### **Objective:**

To empower the user to remotely monitor, manage, and automate their electrical home appliances through a centralized control system accessible via mobile apps or web interfaces using IoT.

**Requirement:** "Electrical Appliances Control using IoT"

**Cost Per Product:** Rs.4000/-

**No. of units Delivered:** 25

**Total Amount sanctioned to the project:** 1, 00,000/-

**Duration of the Product:** 50 days (including design, development and delivery)

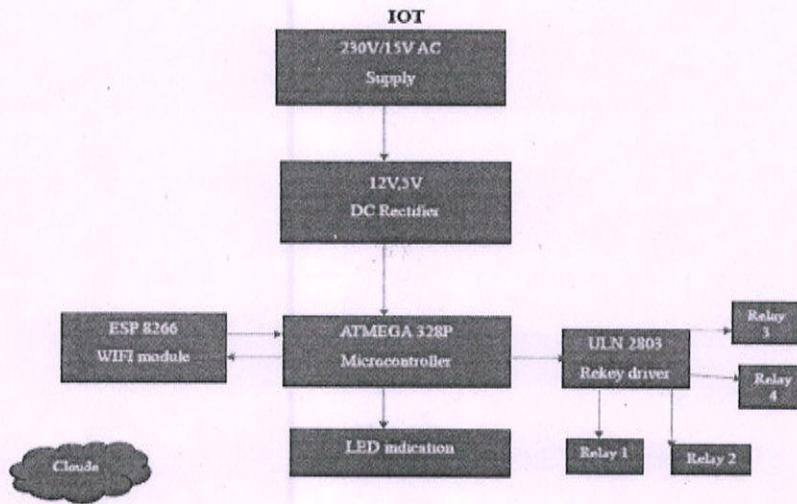
### **Description :**

The "Electrical Appliances Control using IoT" project is a pioneering initiative that merges the capabilities of the Internet of Things (IoT) with household and industrial electrical appliances. This innovative project empowers users to remotely monitor, manage, and automate their electrical devices through a centralized control system accessible via mobile apps or web interfaces. By deploying IoT sensors and connectivity solutions, users gain real-time insights into their appliances' status and energy consumption. This not only fosters convenience but also promotes energy efficiency by allowing users to create schedules and rules for automated operations based on factors like time and environmental conditions. Moreover, this project plays a vital role in enhancing environmental sustainability by minimizing energy wastage and contributes to a more interconnected, intelligent, and eco-conscious world of electrical appliance management.



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

**Block diagram:**



*V. S. S.*  
PROJECT INVESTIGATOR

*R. S. S.*  
HoD/ECE  
HOD / ECE  
SRI BHARATHI ENGINEERING  
COLLEGE FOR WOMEN  
KAIKKURICHI,  
PUDUKKOTTAI - 622 303.

*S. Thilagavathi*  
PRINCIPAL  
PRINCIPAL  
SRI BHARATHI ENGINEERING  
COLLEGE FOR WOMEN  
KAIKKURICHI - 622 303,  
PUDUKKOTTAI DISTRICT

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



# 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 : 10.05.2023

## UTILIZATION CERTIFICATE

Certified that the amount of rupees Rs.1,00,000/- (One lakh only) was sanctioned by Manora Builders, Thanjavur during the academic year (2022 - 2023), in favour of Department of Electronics and Communication Engineering, Sri Bharathi Engineering College for Women, Kaikkurichi, Pudukkottai has been fully utilized for the product Design and Development of Electrical Appliances Control using IoT. The purpose of amount sanctioned has been fulfilled and delivered as per conditions of grant were satisfied.

  
PROJECT INVESTIGATOR

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

  
PRINCIPAL

PRINCIPAL  
SRI BHARATHI ENGINEERING  
COLLEGE FOR WOMEN  
KAIKKURICHI - 622 303,  
PUDUKKOTTAI DISTRICT