



3PHASE ENGINEERING SOLUTIONS  
PRIVATE LIMITED

CIN: U74200TN2019PTC129982  
GSTIN: 33AABCZ3842K1Z5

PAN: AABCZ3842K  
TAN: CHEP20821D

Date: 10.1.2020

To  
The Principal  
Indra Ganesan College of Engineering  
Trichy 620012

Respected Sir/Madam,

Having received the institutional Consultancy brochure, we are interested in investigating the feasibility of Supplying IOT Car Parking System in collaboration with your consultancy team. We would like to inquire about the corresponding costs involved.

Regards

*Ramamurthy*

3phase Engineering Solution PVT Ltd  
Trichy

REGISTERED ADDRESS: 3PHASE ENGINEERING SOLUTIONS PRIVATE LIMITED, NO. 155, MADURAI VEERAN KOIL STREET,  
NEAR MORAIS PHASES, KOTTAPATTU, TRICHIRAPPALLI, TAMILNADU, INDIA - 620004

Dr. G. Balakrishnan, M.E., Ph.D.,  
Principal  
Indra Ganesan College of Engineering  
IG Valley, Madurai Main Road  
Manikandam, Trichy-620 012



21.01.2020

Trichy.

To

3 Phase Engineering Solutions  
No. 158, Madurai Veeran Koil Street  
Near Morais Phase-3, Kottapattu, Tiruchirappalli

Respect Sir/Madam,

Sub: Submission of Project consultancy work Quotation – Reg

Ref.: Your Letter Dated 10<sup>th</sup> Jan 2020

In response to your letter regarding IOT Car Parking System and following our detailed discussion, we are pleased to present the official Quotation for your Consideration & Reply

Thanking you

Quotation

Particulars	QUANTITY	Rate per unit	Total Amount
IOT Car Parking System	15	3070	46050

*S. Ponnathi*

PROJECT INVESTIGATOR



*[Signature]*

**Dr. G. Balakrishnan, M.E., Ph.D.,**  
Principal

Indra Ganesan College of Engineering  
IG Valley, Madurai Main Road  
Manikandam, Trichy-620 012.

*[Signature]*  
Dr. S. BHARATHI RAJA  
PRINCIPAL

Madurai Main Road,  
NH-45B, Manikandam  
Tiruchirappalli – 620 012  
Tamil Nadu, South India

Mobile : 85086 88845  
Phone : 0431 2906565  
Web : www.igceng.in  
igceprincipal@gmail.com



**3PHASE ENGINEERING SOLUTIONS  
PRIVATE LIMITED**

CIN: U74200TN2019PTC129982  
GSTIN: 33AABCZ3842K1Z6

PAN: AABCZ3842K  
TAN: CHEP20821D

Date: 27.1.2020

To  
The Principal  
Indra Ganesan College of Engineering  
Trichy 620012

Respected Sir/Madam,

We have approved the institution proposal for the supply of IOT Car Parking System as specified in the Quotation. We have allocated a total budget of Rs.46050. It is Crucial that the completion of this project adheres to the agreed upon time frame of 90 Days.

Regards

*Ramanurthy*

3phase Engineering Solution PVT Ltd  
Trichy

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Principal

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**Indra Ganesan**  
COLLEGE OF ENGINEERING

Department of Electrical & Electronics Engineering

Consultancy Project Work

Report

## **IOT Car Parking System**

SUBMITTED TO

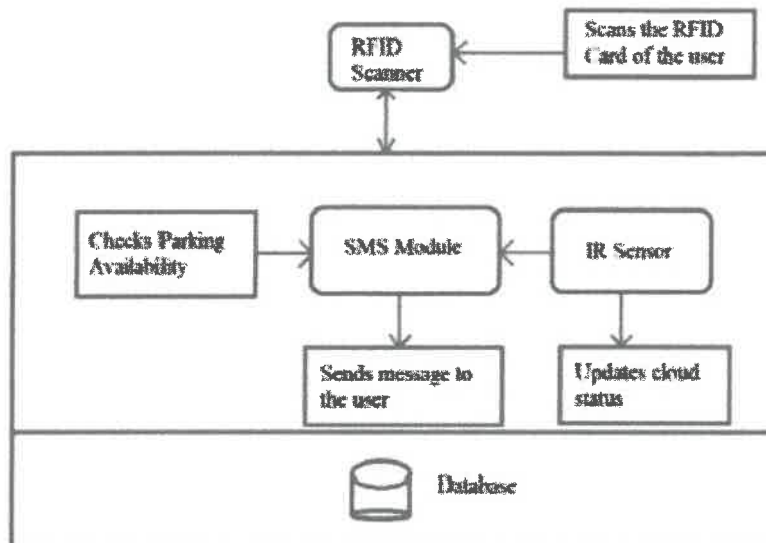
**3 Phase Engineering Solutions**

No. 158, Madurai Veeran Koil Street near Morais  
Phase-3, Kottapattu, Tiruchirappalli

REPORTED DATE

**27.1.2020**

Dr. G. Balakrishnan, M.E., Ph.D.,  
Principal  
Indra Ganesan College of Engineering  
IG Valley, Madurai Main Road  
Manikandam, Trichy-620 012.



As soon as the IR sensor detects the car, the status of the cloud will be updated from 0 to 1 and when the car leaves the parking area the status of the car will be updated from 0 to 1.

Description	Cost
Atmega Microcontroller	600
IR Transmitter Receiver	500
Crystal Oscillator	1000
Step down transformer	120
16*2 LCD Display	250
Design Cost	600

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Manikandam, Trichy-620 012.

An infrared sensor is basically an electronic device which is used to detect the presence of objects. Infrared light is emitted by this device. If this device does not detect any IR light reflected back that means there is no object present. If the light is detected by the sensor there is an object present.

*S. Ponmathi*

PROJECT INVESTIGATOR

*Dr. S. Bharathi Raja*

Dr. S. BHARATHI RAJA

PRINCIPAL

*Dr. G. Balakrishnan*

Dr. G. Balakrishnan, M.E., Ph.D.,

Principal

Indra Ganesan College of Engineering

IG Valley, Madurai Main Road

Manikandam, Trichy-620 012.



29.01.2020

Trichy.

**UTILIZATION CERTIFICATE**

Certified that the amount of Rs.46050 was sanctioned by 3 Phase Engineering Solutions during the academic Year (2019-2020) in Favour of Department of Electrical & Electronics Engineering, Trichy has been fully utilized for Project on IOT Car Parking System. The Purpose of amount sanctioned has been Fulfilled and delivered as per condition were Satisfied

*S. Pannathi*

PROJECT INVESTIGATOR



*S. Bharathi Raja*

Dr. S. BHARATHI RAJA  
PRINCIPAL

*Dr. G. Balakrishnan*

Dr. G. Balakrishnan, M.E., Ph.D.,  
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