



SASURIE COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi. Affiliated to Anna University, Chennai

Near NH544, Coimbatore Bypass, Near Vijayamangalam Tollgate, Tirupur 638056

NAAC DOCUMENTS

QUALITY INDICATOR FRAME WORK

CRITERION - 3

RESEARCH, INNOVATION & EXTENSIONS

SUBMITTED BY

IQAC

INTERNAL QUALITY ASSURANCE CELL

SASURIE COLLEGE OF ENGINEERING



Criteria3	Research,InnovationsandExtension	110
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KeyIndicator-3.1Resource Mobilization for Research

3.1.1. Endowmentsin the institution during the last five years (INR in Lakhs)

SUPPORTING DOCUMENTS for Endowment

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CELL NO : 93650 85775

ROBO MIRACLE SOLUTIONS LTD
196, Robomiracle Building, Tulasi Chambers, Second floor,
West TV Swamy Road, R.S.Puram, Coimbatore - 641 002
Mail : robomiracle55@gmail.com

Date: 13.02.2023

TO

The Principal,
Sasurie College of Engineering,
Vijayamangalam - 638 056.

Respected Sir/Madam,

Thank you for sharing consultancy brochure, we are interested in investigating the feasibility of supplying "AUTO-MATIC SMS BASED IRRIGATION FIELD MOTOR CONTROL SYSTEM", in collaboration with your consultancy team. We would like to inquire about the corresponding costs involved. Kindly provide information on the cost of "Automatic SMS Based Irrigation Field Motor Control System".

Thanking you

Kamal P.

Managing Director

Kamal Raj.P



M
Dr.M.VIJAYAKUMAR ME., Ph.D.,
PRINCIPAL



SASURIE COLLEGE OF ENGINEERING,
Vijayamangalam - 638 056, Tirupur (Dt).

Date:17.02.2023

To

Managing Director,
Robo Miracle Solutions Ltd
196, Robomiracle Building,
Tulasi Chambers,
Second Floor, West Tv Swamy Road,
R.S Puram, Coimbatore – 641 002

Respected Sir/Madam,

Sub: Submission of project consultancy work quotation - Reg.

Ref: Letter dated

Greetings from Sasurie College Engineering !

In response to your letter dated on 13.02.2023 ,regarding the supply ” Automatic SMS Based Irrigation Field Motor Control System”and following our detailed discussions. We are pleased to present the official quotation for your review and response.


FINANCIAL DETAILS:

S.No	Particulars	Quantity	Rate per unit	Total Unit
1	Automatic SMS Based Irrigation Field Motor Control System	30	4000	1,20,000

Thanking You,



With warm regards


Dr.M.VIJAYAKUMAR Ph.D.
PRINCIPAL
SASURIE COLLEGE OF ENGINEERING,
Vijayamangalam - 638 056, Tirupur (Dt).

PRINCIPAL

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195, Robomiracle Building, Tulasi Chambers, Second floor,

West TV Swamy Road, R.S.Puram, Coimbatore - 641 002

Mail : robomiracle55@gmail.com

SANCTION LETTER

Date:25.02.2023

To

The Principal,

Sasurie College of Engineering,

Vijayamangalam - 638 056.

Dear Sir/Madam,

Concerning your Quotation dated on 17.02.2023. We accept your proposal for the product development consultancy work "Automatic SMS based Irrigation Field motor control system" as per the quotation for 30 quantity of product. In Consultation with our project investment team, we are ready to invest in the design and development of an "Automatic SMS based Irrigation Field motor control system".

Herewith we have sanctioned the total amount of Rs 120,000/- to carry out products development consultancy work for the above mentioned quantity and it should be completed within specified time span. For any support or queries, kindly notify us at any time.

Thanking you

Managing Director

Kamal Raj.P



Dr.M.VIJAYAKUMAR ME., Ph.D.,
PRINCIPAL

SASURIE COLLEGE OF ENGINEERING,
Vijayamangalam - 638 056, Tirupur (Dt).

Date: 05.04.2023

To

Managing Director,
Robo Miracle Solutions Ltd
196, Robomiracle Building,
Tulasi Chambers,
Second Floor, West Tv Swamy Road,
R.S Puram, Coimbatore – 641 002

Respected Sir/Madam,

Sub: Completion of Consultancy Project - Reg.

Ref: Letter dated on 25.02.2023


Greetings from Sasurie College Engineering !

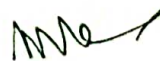
We are glad to let you know that the project " Automatic SMS based Irrigation Field motor control system " has been successfully finished. We are submitting the project work document along with this.

Looking forward your response,

With warm regards,




PRINCIPAL
SASURIE COLLEGE OF ENGINEERING,
Vijayamangalam - 638 056, Tirupur (Dt).



 **Dr.M.VIJAYAKUMAR** ME., Ph.D.,
PRINCIPAL
SASURIE COLLEGE OF ENGINEERING,
Vijayamangalam - 638 056, Tirupur (Dt).

**CONSULTANCY PROJECT WORK
REPORT**

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

AUTOMATIC SMS BASED IRRIGATION FIELD MOTOR CONTROL SYSTEM

SUBMITTED TO

Managing Director,
Robo Miracle Solutions Ltd
196, Robomiracle Building,
Tulasi Chambers,
Second Floor, West Tv Swamy Road,
R.S Puram, Coimbatore – 641 002

DELIVERY DATE:05.04.2023


Dr.M.VIJAYAKUMAR ME., Ph.D.,
PRINCIPAL
 **SASURIE COLLEGE OF ENGINEERING,**
Vijayamangalam - 638 056, Tirupur (Dt).

CONSULTANCY PROJECT 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.

Requirments : Auto-Matic Sms Based Irrigation Field Motor System

Cost Per Product: Rs.4000/-

No.of units Delivered:30

Total Sanctioned Amount: 1,2,0000/-

Duration of the project: 45 days (including design development and delivery)

Description :

The greenhouse based modern agriculture industries are the recent requirement in every part of agriculture in India. In this technology, the humidity and temperature of plants are precisely controlled. Due to the variable atmospheric circumstances these conditions sometimes may vary from place to place in large farmhouse, which makes very difficult to maintain the uniformity at all the places in the farmhouse manually. It is observed that for the first time an android phone-control the Irrigation system, which could give the facilities of maintaining uniform environmental conditions are proposed. The Android Software Development Kit provides the tools and Application Programmable Interface necessary to begin developing applications on the Android platform using the Java programming language. Mobile phones have almost become an integral part of human life serving multiple needs of humans. This application makes use of the GPRS [General Packet Radio Service] feature of mobile phone as a solution for irrigation control system. GSM (Global System for Mobile Communication) is used to inform the user about the exact field condition. The information is passed onto the user request in the form of SMS.

Keywords: GSM module (mobile), Android, SMS, automatic irrigation, microcontroller, Temperature sensor, soil moisture sensor, regulated power supply.

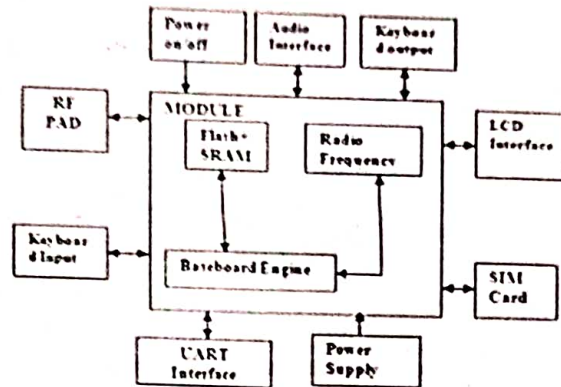


Dr.M. VISWANATHAN, Ph.D.,
PRINCIPAL

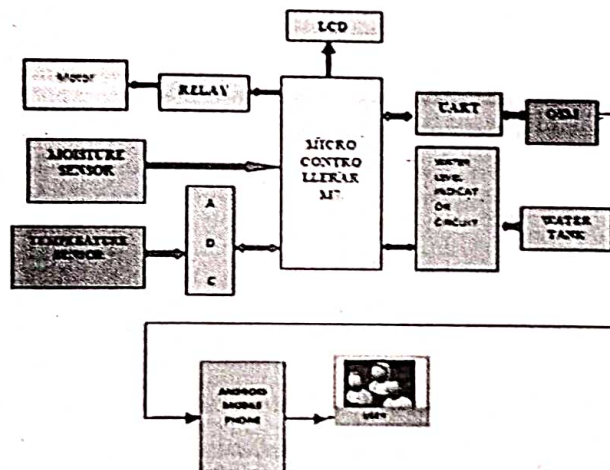


SASURIE COLLEGE OF ENGINEERING,
Vijayamangalam - 638 055, Tirupur (Dt).


Block Diagram



Flow Diagram-2



M.V.
Dr. M. VIJAYAKUMAR ME., Ph.D.,
 PRINCIPAL

 **SASURIE COLLEGE OF ENGINEERING,**
 Vijayamangalam - 638 050, Tirupur (Dt).

Date: 06.04.2023

UTILIZATION CERTIFICATE

Certified that the amount of rupees Rs.1,20,000/- (One Lakhs and twenty thousand only) was sanctioned by Robo Miracle Solutions Ltd, Coimbatore during the academic year (2022-2023), in favour of department of Electrical and Electronics Engineering, Sasurie College of Engineering, Vijayamangalam has been fully utilized for the project consultancy work titled "Automatic SMS Based Irrigation Field Motor Control System". The purpose of amount sanctioned has been fulfilled and delivered as per conditions of grant were satisfied.

K. V. R. S. R.

PROJECT INVESTIGATOR

M. V.
PRINCIPAL

M. V.
Dr. M. VIJAYAKUMAR ME., Ph.D.,
PRINCIPAL
SASURIE COLLEGE OF ENGINEERING,
Vijayamangalam - 638 056, Tirupur (Dt).

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