



# 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



<b>Criteria3</b>	<b>Research, Innovations and Extension</b>	<b>110</b>
------------------	--	------------

## **Key Indicator-3.1 Resource Mobilization for Research**

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

### **SUPPORTING DOCUMENTS for Endowment**

#### **Table of Content**

S.No.	Particulars	Page No.
1	Requirement from Company	03
2	Quotation from College	04
3	Endowment Sanction letter from Company	05
4	Work Completion Report	06
5	Utilization Certificate	10



## DEVI INDUSTRIES

58, Bharathi Main Road,  
N.R.T Nagar,  
Erode (dt) - 638 009.

Phone No: 98438 58856

Email: dierode85@gmail.com

Date: 23.12.2019

TO

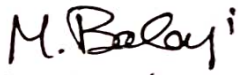
The Principal,  
Sasurie College of Engineering,  
Vijayamangalam - 638 056.

Dear Sir/Madam,

Greeting from Devi Industries !!!

Your institution's consulting work brochure has been received. We require the "Design and Fabrication of Material handling Transporter" project. Kindly forward the quotation details for the consulting project.

Thank You

  
Managing Director  
M. Balaji



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



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



Date: 27.12.2019

To

Managing Director,  
Devi Industries,  
58, Bharathi Main Road,  
N.R.T Nagar,  
Erode (dt) - 638 009.

Respected Sir/Madam,

Sub: Submission of project consultancy work quotation-Reg  
Ref: Letter dated on 23.12.2019.

Greetings from Sasurie College of Engineering!

With reference to your letter, our college Mechanical Department has prepared and wishes to send the quotation to carryout the consultancy project of your esteemed organization. We would like to bring to your kind notice that, the project "Design and Fabrication of Material handling Transporter" may cost around Rs. 110000/-.

We assure that we will provide the required technical support from our end, for the successful completion of the project. We are looking forward your kind consideration about our consultancy project work proposal and we request you to contact us for any queries about the design and working of project.

Thanking You,



*MV*

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



*Ulycus*  
PRINCIPAL  
PRINCIPAL  
SASURIE COLLEGE OF ENGINEERING,  
Vijayamangalam - 638 056, Tiruppur (Dt).





# DEVI INDUSTRIES

58, Bharathi Main Road,  
N.R.T Nagar,  
Erode (dt) - 638 009.

Phone No: 98438 58856

Email: dierode85@gmail.com

## SANCTION LETTER

Date :04.01.2020

To

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

Dear Sir/Madam,

With reference to your proposal submitted on 27.12.2019, we are happy that the "Design and Fabrication of Material handling Transporter" project has been approved. Also we have agreed a consultant for of Rs. 100000/- as per our discussion and require the work to be finished within the allotted time period.

Thank You

*M. Balaji*

Managing Director

M. Balaji



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

Date :04.02.2020

To

Managing Director,  
Devi Industries,  
58, Bharathi Main Road,  
N.R.T Nagar,  
Erode (dt) – 638 009.

Respected Sir/Madam,

Sub: Completion of Consultancy Project-Rey

Ref: Letter dated on 04.01.2020.

Greetings from Sasurie College of Engineering!

We are pleased to inform you that we have successfully completed the project "Design and Fabrication of Material handling Transporter". Herewith, we are sending the project Proposal document. We are happy to invite your team to visit our campus for the review of the project.

Looking forward your response




Enclosures:


1. Project Proposal Document

*WPKCS*

PRINCIPAL

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 MECHANICAL ENGINEERING**

**DESIGN AND FABRICATION OF MATERIAL HANDLING TRANSPORTER**

**SUBMITTED TO**

Managing Director,  
Devi Industries,  
58, Bharathi Main Road,  
N.R.T Nagar,  
Erode (dt) - 638 009.

**DELIVERY DATE:04.02.2020**

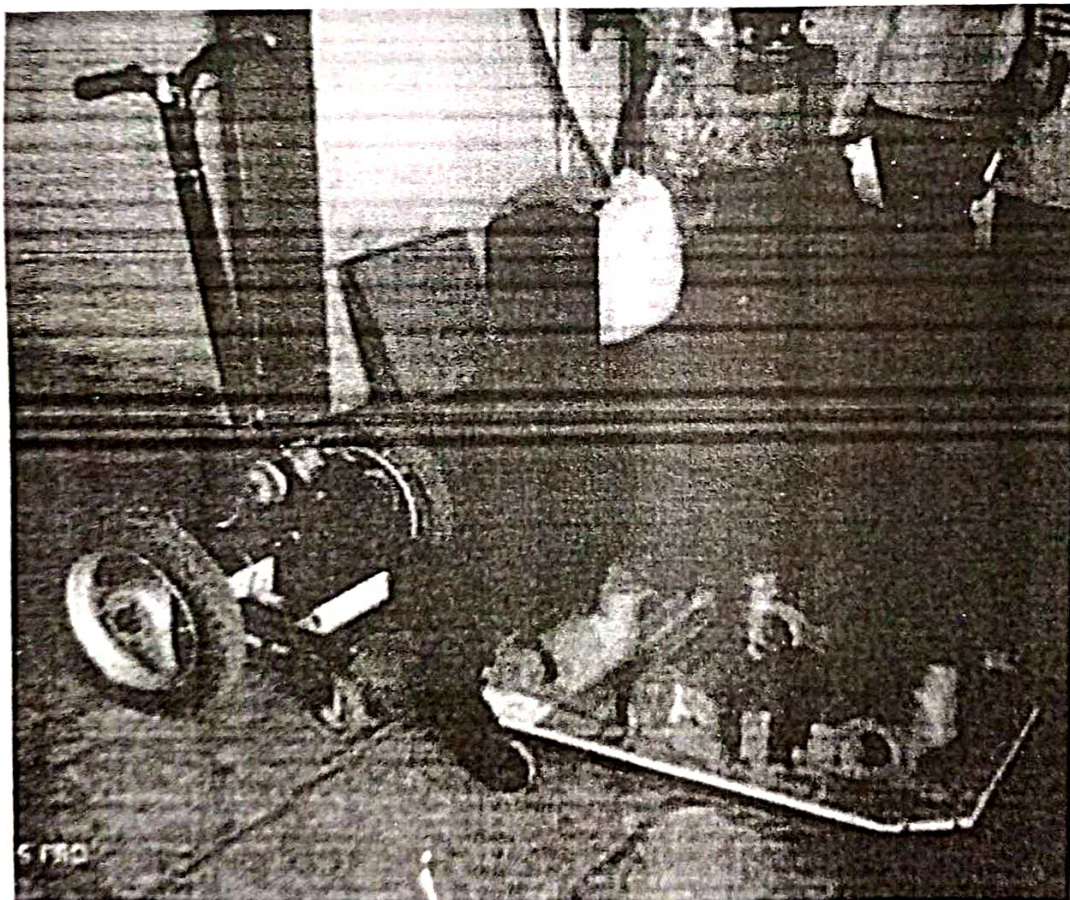
  
**Dr.M.VIJAYAKUMAR ME., Ph.D.,**  
PRINCIPAL  
 **SASURIE COLLEGE OF ENGINEERING,**  
Vijayamangalam - 638 056, Tirupur (Dt).



## CONSULTANCY PROJECT REPORT

### OBJECTIVE

This project describes the "Design and Fabrication of Material Handling Transporter". The transporter for material handling two wheeler attached by trolley is based on the principle of Segway. We need to reduce mechanical efforts of workers for material handling effortlessly. The main purpose of material handling transporter is to ensure that the right amount of material is carefully delivered to the desired destination at the right time and at minimum cost. The main objective was to build a vehicle of capable of transporting weight of a person and materials up to 150 kg and capable of travelling to some distance with varying speed. The operator's controls are supposed to be natural movements forward, backward in combination with tilting the handlebar. Sideways should be the only operator input required to operate the vehicle. This project also take into consideration the material used with minimum possible cost.



*M*

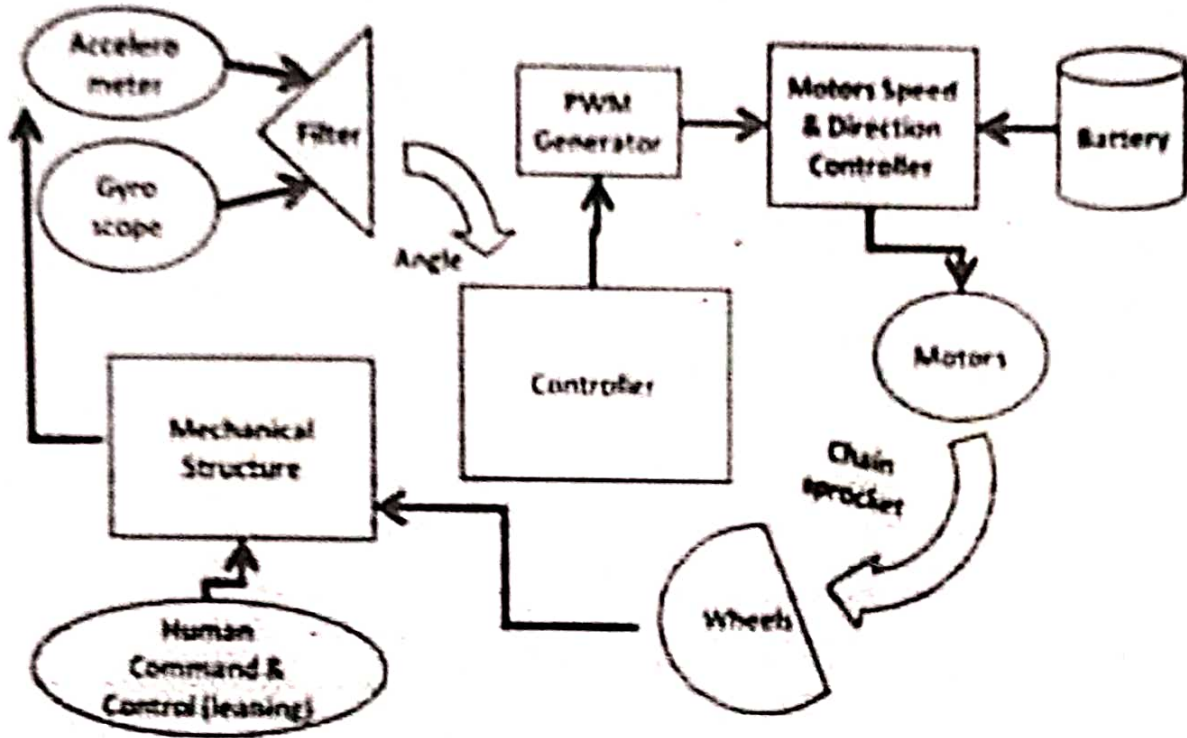
Dr.M.VIJAYAKUMAR ME., Ph.D.,  
PRINCIPAL



SASURIE COLLEGE OF ENGINEERING,  
Vijayamangalam - 635 056, Tirupur (D).



BLOCK DIAGRAM



*S. A. Murali*  
PROJECT INVESTIGATOR

*M. V. Vijayakumar*

*U. Vijayakumar*  
PRINCIPAL

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

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



**SASURIE**  
COLLEGE OF ENGINEERING  
Approved by AICTE, New Delhi  
Affiliated to Anna University, Chennai

Date:06.02.2020



### UTILIZATION CERTIFICATE

Certified that the amount of rupees **Rs.100000** (One Lakh only) was sanctioned by Devi Industries, Erode during the academic year (2019-2020), in favour of Department of Mechanical Engineering Sasurie College of Engineering has been fully utilized for the project consultancy work titled "Design and Fabrication of Material handling Transporter". The purpose of amount sanctioned has been fulfilled and delivered as per conditions of grant were satisfied.

  
PROJECT INVESTIGATOR

  
PRINCIPAL

 PRINCIPAL  
SASURIE COLLEGE OF ENGINEERING,  
Vijayamangalam - 638 020, Tirupur (Dt).

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