



# METHODIST

## College of Engineering & Technology

(Approved by AICTE, New-Delhi & Affiliated to Osmania University)

College Code : 1607

Grants received from endowments in the institution during the year (INR in Lakhs)

### 3.1.3 Number of departments having Research projects funded by government and non government agencies during the year

Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/Co- investivator	Department of Principal Investigator	Year of Award	Amount Sanctioned	Duration of the project	Name of the Funding Agency	Type (Government/non -Government)
Electrical Vehicle	Mr.Jarapala Ramesh Babu	Electrical and Electronic Engineering	2021	30,000	6 months	Methodist Educational Society	Non-Government
Leaf plate /Paper plate making machine	Mr.Venkataratnam Akumarthy	Mechanical Engineering	2021	15000	6 months	Methodist Educational Society	Non-Government
Battle of cumhatch	Dr.H.Shobha Reddy	Electronics and Communication Engineering	2021	10,000	6 months	Methodist Educational Society	Non-Government

  
Coordinator

  
Principal

**METHODIST COLLEGE OF ENGINEERING AND TECHNOLOGY**  
**Department of Electrical and Electronics Engineering**

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Mar. 23, 2021

To  
The Principal  
MCET

Dear Sir,

**Sub:** Requisition for payment advance for developing an Electrical Vehicle (*Planning for filing a Patent*)...

In connection with the in-house research projects of MCET, I have initiated a patentable work on development of hybrid electrical vehicle.

*Abstract: The electric vehicles industry is continuously evolving. One type of such electric vehicle is the hybrid electric bicycle (e-bike). Electric bicycles, like other electric vehicles, use a BLDC motor (Brushless Direct Current Motor). This project presents a way of designing a hybrid e-Bike. The project mainly uses Solar Panels, Dynamo (DC Generator), BLDC Motor, Control Circuit, etc.*

The development of the proposed electrical vehicle involves in an expenditure of about 30,000 INR. Therefore, I request you to provide me the advance of about 30,000 INR for the development of proposed Hybrid EV and taking it forward for filing a Patent. I would be thankful to you for the same.

Thanking you,

Yours sincerely,

*J. Ramesh Babu*  
23/3/2021  
Mr. Jarapala Ramesh Babu  
Assistant Professor, Department of EEE, MCET

*HLSD Encke  
for recovery  
22/3/21*

**Encl.:** Sample pricing information of components involved

*Dr Prabha*  
*laney*  
*Ao/Ac ce*  
*pls pay Rs 30000*  
*as per norms*  
*the work long before and*  
*enough literature survey*  
*is being forwarded*  
*Principal, MCET &*  
*consideration*  
*22/3/21*  
*Coordinator / In-charge*  
*Innovations and Entrepreneur Development*  
*Methodist College of Engineering and Tech*  
*Abids, Hyderabad-01.*



# Electrical Vehicle

## Estimated price

(a)	Electrical Component (kits)	= 7,099 ₹
(b)	Bicycle	= 8,040 ₹
(c)	70W Solar panel	= 9,109 ₹
(d)	Power Converter	= 5,000 ₹
(e)	Other Components	= 5,000 ₹
Total		<hr/> 34,248 ₹

Kindly providing the partial advanced amount; ~~at~~ 15,000 ₹. for start the ~~project~~ Electrical Vehicle.

Thanking you sir.

The Following student are working on this project along with me.

1. B. Pavani
2. N. Radha Krishna



# METHODIST COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE, New Delhi & Affiliated to Osmania University

College Code: 1607

Date: 24.04.2021

## ORDERS

Sub: MCET – Financial assistance to students' project – Reg.


Ref: 1) Approval by Methodist Church in India  
2) Letter of HoD dated 23.04.2021

With reference to the above, the project proposal submitted by Mr. Jarapala Ramesh Babu, Asst. Professor, EEE and their students regarding sanction of Project entitled "Electrical Vehicle" which is Hybrid electric bicycle and has been considered as novel a project and the management is pleased to sponsor this project including expenditure incurred by the students to the extent of Rs.30,000/- (Rupees thirty thousand only).

Therefore, it is sanctioned and financed wholly by Methodist Church in India for Rs.30,000/- (Rupees thirty thousand only).

To

1. Mrs Y Mastanamma,  
HoD, EEE
2. To Account
3. Coordinate IEDC

  
PRINCIPAL  
**PRINCIPAL**  
METHODIST COLLEGE OF ENGG. & TECH.  
King Koti Road, Abids, Hyderabad.

To

Date: 25<sup>th</sup> March 2021

The Head of the Department  
Department of Mechanical Engineering  
Methodist College of Engineering & Technology  
Abids, Hyderabad.

*Man, Secretary*  
*F.K.G*  
*19/3/21*

~~Through:~~ Project Guide (Mr. Venkataratnam Akumarthy Sir, Asst. Professor)

Respected Sir,

Sub: Request for financial Support for developing Working Model of Project (Cost Rs.28,338) - Reg.

We the students of B.E. Mechanical Engineering Final Year (B-section), doing our project work under the guidance of Mr. Venkataratnam Akumarthy sir. We are designing and developing the working model of "Leaf Plate / Paper Plant Making Machine" which can be used to produce the leaf plates and duna's and these products can be commercialized.

The estimation cost of fabrication, procurement and assembly of this machine is Rs.28,338/- which would be very expensive for us as we are only 3 members in the team. Hence we request your kind consideration and provide some financial support which would be very much helpful for us. Once the model is ready we will submit the same at our department.

Thanking you sir,

*Forwarded to the principal.*

Yours faithfully

*Kindly consider we request sponsor we project.*

1. G.Vigneshwari (160717736335)

*Vigneshwari*

2. P.Veeru Priya Darshan(160717736092)

*Received*  
*13/7/21*

3. Uzma Simeen(160717736097)

*ph pay*  
*13/7/21*

*and partially. May be Approv.*  
*Rs 15,000/- may be sanctioned.*  
*The machine is now in the department.*

(BOQ: Attached)

*30/06/2021*  
*HOD-ME*

(Amount: Twenty Eight thousand and Three hundred and Thirty Eight Rupees only)

*25/03/21*



### BILL OF QUANTITIES

Sl. No	Item Description	Quantity	Rate	Amount
1	0.5 HP HYDRAULIC MOTOR	1	6000	6000
2	HYDRAULIC PUMP	1	4700	4700
3	HYDRAULIC JACK	1	4300	4300
4	DC VALVE	1	3480	3480
5	FILTER	1	890	890
6	MS SHEET,RODS ,FASTNERS AND MACHINING			5468
7	ALUMINIUM DIES	2	320/kg	3000
8	HEATERS	2		500
			<b>TOTAL</b>	<b>28338</b>

Amount in words :- twenty eight thousand three hundred and thirty eight only.


1. G. Vigneshwari [160717736335]

Vigneshwari

2. P. Veerpu priya dayshan [160717736097]



3. Uzma Simcen [160717736092]



  
2nd/21



# METHODIST COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE, New Delhi & Affiliated to Osmania University

College Code: 1607

Date: 27.03.2021

## ORDERS

Sub: MCET – Financial assistance to students' project – Reg.

Ref: 1) Approval by Methodist Church in India  
2) Letter of HoD dated 25.03.2021

With reference to the above, the project proposal submitted by Mr.Venkataratnam Akumathy, Asst. Professor, MECH and their students regarding sanction of Project entitled "Leaf Plate/Paper Plate Machine" which can be used to produce the leaf plates and duna's and these products can be commercialized. This project has been considered as a novel project and the management is pleased to sponsor this project including expenditure incurred by the students to the extent of Rs.15,000/- (Rupees Fifteen thousand only).

Therefore, it is sanctioned and financed wholly by Methodist Church in India for Rs.15,000/- (Rupees Fifteen thousand only).

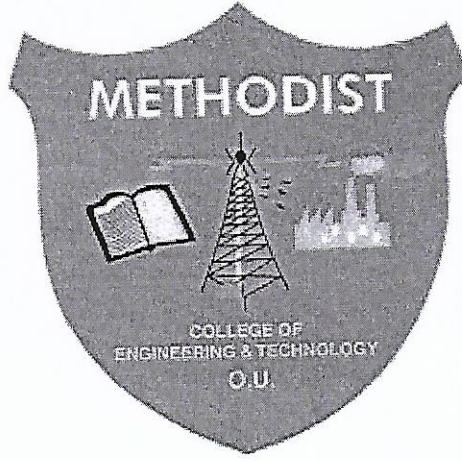
To

1. Dr.A Rajasekhar,  
HoD, MECH
2. To Account
3. Coordinate IEDC

  
PRINCIPAL

**PRINCIPAL**

**METHODIST COLLEGE OF ENGG. & TECH.**  
King Koti Road, Abids, Hyderabad.



PROJECT REPORT

ON

" BATTLE FOR CUMHATCH"

Bachelors of engineering [Electronics and communication engineering]

SUBMITTED TO-

Dr.N.H.Shobha Reddy

*account holder name?*  
PITTA SANSU VARDHAN  
Indian Bank.

*Shubha Reddy*  
*ph pay*

*16/02/2021*

*Ab / Abet*  
*ph pay Rs-10,000/-*  
*College student prof*  
*10/12/21*



Submitted by-

NAME&ROLLNO:

MALLAM GURUDEEP (160718735026)

PITTA SANJU VARDHAN (160718735009)

5<sup>TH</sup> SEMESTER

DEPARTMENT OF Electronics and communication engineering

METHODIST COLLEGE ENGINEERING AND TECHNOLOGY

HYDERABAD, ABIDS

To HOD ma'am,

We are in a process to implement this project on large scale .

Prototype is being implemented in order to take this project forward

we need financial support from College. . kindly look into this and do

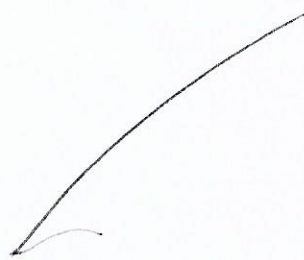
the needful.

Signature of HOD

*Dr. B. Krishna Kumar*  
Professor,  
Financial Support  
is needed for the  
this letter.  
Kindly do the needful

*[Signature]*

J.V. ✓  
(D. Vasa Prasad Rao)  
Asst. Prof  
ECED  
Mentor







# METHODIST COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE, New Delhi & Affiliated to Osmania University

College Code: 1607

Date: 18.02.2021

## ORDERS

Sub: MCET – Financial assistance to students' project – Reg.

Ref: 1) Approval by Methodist Church in India  
2) Letter of HoD dated 11.02.2021

With reference to the above, the project proposal submitted by Dr.B.Krishna Kumar, HoD, ECE and their students regarding sanction of Project entitled "Battle of Cumhatch" video game which is going to be available on different technical platforms and has been considered as a novel project. The management is pleased to sponsor this project including expenditure incurred by the students to the extent of Rs.10,000/- (Rupees ten thousand only).

Therefore, it is sanctioned and financed wholly by Methodist Church in India for Rs.10,000/- (Rupees ten thousand only).

To

1. Dr.B.Krishna Kumar,  
HoD, ECE
2. To Account
3. Coordinate IEDC

  
PRINCIPAL  
PRINCIPAL

METHODIST COLLEGE OF ENGG. & TECH.  
King Koti Road, Abids, Hyderabad,