

Battery operated Bike usage

Hyderabad,

Date: 22/04/2021

To,
The Principal,
Geethanjali College of Engineering and Technology,
Cheeryal Village, Keesara Mandal,
Hyderabad, Telangana 501301.

Subject: Requesting to provide Fund for our Major Project –“Smart Electric Motorcycle”

Respected Sir,

We, the students of EEE-4A are working on the Major Project – “Smart Electric Motorcycle”.
The Total Cost of the E-Motorcycle calculates to Rs.57,000. We can fund up to Rs.13,000.
Requesting you to provide funds for the rest of the amount for the project.

The Cost of the Components are Given Below:

Name of the Component	Price
1. Li-Ion Battery 60V,24Ah	Rs.28,000/-
2. 1.5Kw BLDC Motor	Rs.13,000/-
3. Motor Cycle	Rs.8,000/-
4. Fabrication	Rs.5,000/-
5. Smart Kit	Rs.3,000/-
TOTAL COST	Rs.57,000/-
GROUP FUND AVAILABLE	Rs.13,000/-
REQUIRED AMOUNT	Rs.44,000/-

Hoping that you will provide the fund for the rest of the project.

Thank You for your consideration.

Yours Sincerely

A. Venkat Kaushik (17R11A0201)

Ch. Sridhar Reddy (17R11A0205)

VN Sanjay (17R11A0251)

*forwarded to principal
for kind sanction*

*D. Raghav
22/4/21*

D. Raghav

PRINCIPAL
Geethanjali College of Engineering and Tech.
Cheeryal (V), Keesara (M), Medchal Dist.

*Submitted to Secretary
for approval. SK*

*SK
22/04/21*

Secretary

4.72

Gmail

Geethanjali College of Engineering and Technology - GCET <info@gcet.edu.in>

Request to forward this attachment to secretary sir.

Messages

Radhika Dora <headeegcet@gmail.com>
To: info@gcet.edu.in

Thu, Apr 22, 2021 at 3:30 PM

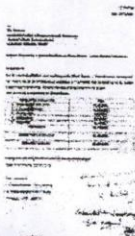
PFA

Regards,

Dr. Radhika Dora
Professor and HoD
Dept. of EEE
Geethanjali College of Engineering and Technology

*Canara
0606101557779*

*Adv Paid
191*



request for fund.jpg
536K

Geethanjali College of Engineering and Technology - GCET <info@gcet.edu.in>
To: "greddy1962@yahoo.co.in" <greddy1962@yahoo.co.in>

Thu, Apr 22, 2021 at 3:37 PM

Sir, please find the document attached for your kind perusal
[Quoted text hidden]

Geethanjali College of Engineering and Technology
Cheeryal(v), Keesara(m), Medchal Dist.,
Telangana 501301

*AY
Adv 44,000 ->
online paid on 29/04/21
Mr. D. Radhika - EEE
Head
Ravinder*



request for fund.jpg
536K

Gaddam Ravinder Reddy <greddy1962@yahoo.co.in>
To: Geethanjali College of Engineering and Technology - GCET <info@gcet.edu.in>

Thu, Apr 22, 2021 at 8:20 PM

Approved

Sent from my iPhone

D. Reddy
HoD - EEE
Department of Electrical and Electronics Engineering
Geethanjali College of Engineering & Technology (Autonomous)
Cheeryal (V), Keesara (M), Medchal (D), Telangana. 501301

PRINCIPAL
Geethanjali College of Engg. and Tech
Cheeryal (V), Keesara (M), Medchal Dist. (T.S.)-501301

ESTIMATE

Ph.: 040 - 27620106
040 - 32408304



Authorised Dealers : LG, VIDEOCON, SAMSUNG, ONIDA, ULTRA MOTORS
1-1-191/1, Viveknagar, Chikkadpally, Hyderabad - 500 020.

No. 2449 Date 22/06/21

Name : Koushik

S No.	DESCRIPTION	Qty.	Rate	AMOUNT	
				Rs.	Ps.
1	BLDC - Motor (1800W)	1	11000	11000	
2	Controller	1	3500	3500	
	48V, 24 Ah Battery + Charger			22900	
	old bike			6600	
				10000	
				40000	

Signature

5, Mahati Park View Apartment, Palle
at, I am lawful owner of this Vehicle
3 Twister Model: 2010
the receipt of Rs. 6600/- (Rupees Six
ethanjali College of Engineering and
purchase of the said motorcycle / bike.

P. Reddy
M.D - ESE
Department of Electrical and Electronics Engineering
Geethanjali College of Engineering & Technology (Autonomous)
Cheerlay (V), Keesara (R), Medchal Dist. (T.S.)-501 201.

Nunna Hareesh Kumar
NUNNA HAREESH KUMAR
Address: 624606497965
Place: Hyderabad

Date: 02/06/2021.

BLDC Motor — 11,000
Controller — 3500
48V, 24 Ah }
Battery + } — 22900
Charger }
old bike — 6600

PRINCIPAL
Geethanjali College of Engg. and Tech.
Cheerlay (V), Keesara (R), Medchal Dist. (T.S.)-501 201.

total :- 44,500/-

A
PROJECT REPORT
ON
SMART ELECTRIC VEHICLE
Bachelor of Technology
in
Electrical and Electronics Engineering
By

BATCH-05

Ch. Sridhar Reddy(17R11A0205)

C. Yogesh Ram(17R11A0206)

Ch. Divya(17R11A0204)

BATCH-13

A. Venkat Kaushik(17R11A0201)

M.L.R. Varun Narsingar(17R11A0231)

T. Rohit(17R11A0249)

BATCH-14

VN Sanjay(17R11A0251)

R. Aditya(17R11A0245)

P. Sri Bhargav (17R11A02

Under the Esteemed guidance of

Dr. Radhika Dora

HOD-EEE



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
GEETHANJALI COLLEGE OF ENGINEERING TECHNOLOGY

(An Autonomous Institution)

Approved by AICTE, Permanently Affiliated to JNTU, Hyderabad.

Cheeryal(V), Keesara(M), Medchal(D) - 501301

2017-2021

PRINCIPAL
Geethanjali College of Engg. and Tech.
Cheeryal (V), Keesara (M), Medchal Dist. (T.S.)-501 301

HOD-EEE
Department of Electrical and Electronics Engineering
Geethanjali College of Engineering & Technology (Autonomous)
Cheeryal (V), Keesara (M), Medchal (D), Telangana. 501301

GEETHANJALI COLLEGE OF ENGINEERING TECHNOLOGY

(An Autonomous Institution)

Approved by AICTE, Permanently Affiliated to JNTU, Hyderabad,

Cheeryal (V), Keesara (M), Medchal (D) -501301

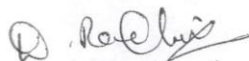
2017-2021

Department of Electrical & Electronics Engineering

CERTIFICATE

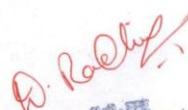
This is to certify that the project report titled Smart Electric Vehicle is being submitted in B. Tech semester *Electrical & Electronics Engineering* is a record bonafide work carried out by them. The r embodied in this report have not been submitted to any other University for the award of any degree.

Ch. Sridhar Reddy(17R11A0205) A. Venkat Kaushik(17R11A0201) VN Sanjay(17R11A0251)
C. Yogesh Ram(17R11A0206) M.L.R. Varun Narsingar(17R11A0231) R. Aditya(17R11A0245)
Ch. Divya(17R11A0204) T. Rohit(17R11A0249) P. Sri Bhargav (17R11A0




Project Guide/ HOD


Dr. Radhika Dora
HoD - EEE
Department of Electrical and Electronics Engineering
Geethanjali College of Engineering & Technology (Autonomous)
Cheeryal (V), Keesara (M), Medchal (D), Telangana - 501301
Professor & HOD



HoD - EEE
Department of Electrical and Electronics Engineering
Geethanjali College of Engineering & Technology (Autonomous)
Cheeryal (V), Keesara (M), Medchal (D), Telangana - 501301


External Examiner


PRINCIPAL
Geethanjali College of Engg. and Tech.
Cheeryal (V), Keesara (M), Medchal Dist. (T.S.) - 501 301.


Internal Examiner

ABSTRACT

The main aim of this project is to present the idea of harnessing the various energy and use it in today's existence of human life. For human being travelling has become vital. In order to sustain in this fast forward world, he must travel from place to place. It is very important that time taking for travelling should be less also it should be economical and easily available. With the fast-depleting resources of petrol and diesel, there is need to find an alternative choice.

Taking all this into account, a shift away from conventional based fuels to using a renewable source of energy is a must. Electric bike which will be driven with the help of battery and thus provide required voltage to the motor. The focus of this project is to perform power calculations and system design of this Electric Bike. This bike can be driven with the help of electricity. Therefore, Electric Motorcycle is the best alternative against the Internal Combustion (IC) vehicles.

Keywords – Economical, Electric Bike, Renewable sources of energy.


PRINCIPAL
Geethanjali College of Engg. and Tech.
Cheeryal (V), Keesara (M), Medchal Dist.(T.S.)-501 301.

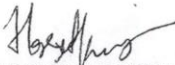
VEHICLE SALE LETTER

I, Nunna Hareesh Kumar residing at Flat No. 201, Plot No. 45, Mahati Park View Apartment, Palle Paradise, Kapra, Secunderabad – 500 062, hereby certify that, I am lawful owner of this Vehicle bearing the Registration No. AP29AN0738 Make: Honda CB Twister Model: 2010

And have the authority to sell it, I hereby acknowledge the receipt of Rs. 6600/- (Rupees Six Thousand Six Hundred Only) in the form of Cash from Geethanjali College of Engineering and Technology, Cheeryal, Hyderabad, as full payment for the purchase of the said motorcycle / bike.

Thanking you,

Yours faithfully,


NUNNA HAREESH KUMAR
Aadhar Card: 624606497965
Place: Hyderabad

Date: 02/06/2021.

BDC motor — 11,000
Controller — 3500

48V, 24 Ah. }
Battery + } — 22900
Charger }

old bike — 6600

total :- 44,500/-

D. Lakshmi
H.O. EEE
Department of Electrical and Electronics Engineering
Geethanjali College of Engineering & Technology (Autonomous)
Cheeryal (V), Kapra (M), Medchal Dist. (R) Telangana. 501701


PRINCIPAL
Geethanjali College of Engg. and Tech.
Cheeryal (V), Kapra (M), Medchal Dist. (R) Telangana. 501701

ESTIMATE

Ph. : 040 - 27620106
040 - 32408304



Authorised Dealers : LG, VIDEOCON, SAMSUNG, ONIDA, ULTRA MOTORS
1-1-191/1, Viveknagar, Chikkadpally, Hyderabad - 500 020.

No. 2449 Date 22/06/21

Name : Koushik

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NUNNA HAREESH KUMAR
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BLDC Motor — 11,000
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PRINCIPAL
Geethanjali College of Engg. and Tech.
Cheerl (V), Keesara (R), Medchal Dist. (T.S.)-501 201.

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Principal
PRINCIPAL
 Geethanjali College of Engg. and Tech
 Cheeryal (V), Keesara (R), Medchal Dist. (T.S.)-508 001
 Department of Electrical and Electronics Engineering
 Geethanjali College of Engineering & Technology (Autonomous)
 Cheeryal (V), Keesara (R), Medchal (D), Telangana - 508 001

