

SOCIETY OF AUTOMOTIVE ENGINEERING

Through Participative Learning, the students of SAE India Collegiate Club are enhancing their skills of DESIGN, FABRICATION, technical, conceptual, communication, financing, and marketing and well adopted to ensure the holistic development, life-long learning. Under this club the students of various departments formed as a team Falcon Racers, designed and fabricated 25 vehicles for various competitions organized by SAE India and other societies all over India.

SOCIETY NAME: SOCIETY OF AUTOMOTIVE ENGINEERING (SAE)

| S.NO | Academic Year | Date | Event Name |
|-------------|----------------------|--------------------------------|--|
| 1. | 2018-2019 | 22-02-2019 To 24-02-2019 | Formula Imperial electrical vehicle Champion of champions-2019 |
| 2. | | 22-02-2019 To 24-02-2019 | Gokart |
| 3. | | 22-02-2019 To 24-02-2019 | ATV, electrical 2019, |
| 4. | | 06-02-2019 To 10-02-2019 | Formula imperial -2019, BIC Noida. electrical vehicle |
| 5. | | 22-01-2019 To 29-01-2019 | BAJA 2019, E-BAJA, NatraxIndore. |
| 6. | | 26-09-2018 To 01-10-2018 | QUAD TORC-2018, Bijnor, UP |
| 7. | | 21-07-2018 To 26-07-2018 | Quad bike design challenge 2018, Hyderabad, motor sports 56 |
| 8. | | 16-03-2018 To 19-03-2018 | FORMULA KART, DESIGN CHALLENGE, MECOKARTPIO, BANGLORE |
| 9. | 2017-2018 | 12-02-2018 To 16-02-2018 | GOKART DESIGN CHALLENGE 2017, Kari Motor speed way. Coimbatore |
| 10. | | 25-01-2018 To 28-01-2018 | E-BAJA, NatraxIndore |
| 11. | | 17-01-2018 To | Hybrid Vehicle Challenge-2018, BIC Noida |

| | | | |
|-----|--------------------------------|--------------------------------|--|
| | | 19-01-2018 | |
| 12. | | 03-01-2018 To 06-03-2018 | Student Kart design challenge, Gurramguda, Hyderabad |
| 13. | 2016-2017 | 21-07-2017 To 24-07-2017 | Quad Bike design challenge |
| 14. | | 20-03-2017 To 23-03-2017 | FORMULA KART, DESIGN CHALLENGE, MECOKARTPIO, BANGLORE |
| 15. | | 16-02-2017 To 09-02-2017 | ISIE HVC-2017, Buddh International Circuit, Greater Noida |
| 16. | | 25-01-2017 To 28-01-2017 | E-BAJA, Natrax Indore. |
| 17. | | 14-01-2017 To 17-01-2017 | GOKART DESIGN CHALLENGE 2016, Kari Motor speed way. Coimbatore |
| 18. | | 27-08-2016 To 30-08-2016 | QUAD TORC |
| 19. | | 2015-2016 | 11-03-2016 To 12-03-2016 |
| 20. | 18-02-2016 To 22-02-2016 | | E-BAJA, Natrax Indore. |
| 21. | 24-01-2016 TO 29-01-2016 | | ISIE-HVC 2016, RPM International Racing Circuit |
| 22. | | 01-08-2015 To 04-08-2015 | QUAD TORC- 2015, Camp wild, Dhauj (Haryana India) |
| 23. | 2014-2015 | 20-02-2015 To 22-02-2015 | E-BAJA, Natrax Indore. |
| 24. | | 05-01-2015 To 11-01-2015 | BAJA STUDENT INDIA, 2015, NIT Jamshedpur, Jarkhand |

PROOFS

Academic Year: 2018-2019

Formula Imperial electrical vehicle Champion of Champions-2019



GOKART





ATV, electrical 2019.



Formula imperial -2019, BIC Noida.Electrical vehicle



BAJA 2019, E-BAJA, Natrax Indore.





QUAD TORC-2018, Bijnor, UP



DEPARTMENT OF MECHANICAL ENGINEERING
R.V.R. & J.C. COLLEGE OF ENGINEERING

Chandramoulipuram, Chowdavaram, GUNTUR - 522019



Dt: 7th February, 2018

To
The principal,
R.V.R & J.C College of Engg.,
Chowdavaram
GUNTUR-522019

Sir,

Sub: Submission of Invoice – Completion of the Vehicle – Payment – Request
– Reg.
Ref: Our Letter dated: 06.01.2018.

With reference to the above, we have purchased Li-ion Battery from TECH Imperial OPC Pvt.Ltd., Noida, U.P. We are very much thankful to the Management for sanctioning financial assistance to a tune of Rs.30,000/- (Rupees Thirty Thousand Only) vide Cheque drawn on Andhra Bank, Chowdavaram Branch, favouring Dr.N.V.V.S.Sudheer, Assoc.Professor, Dept. of M.E.

In this context, we have received a payment Receipt for the Invoice bearing No.INV-000067 dated: 0209.2017 for Rs.96,979.56ps, out of which an amount of Rs.68,000/- transferred through wire and remaining amount of Rs.28,979.56ps was paid in cash. We are herewith enclosing the payment receipt dated: 15.01.2018, for your kind perusal and record(s).


(Dr.N.V.V.S.Sudheer) **
Team Advisor

(Dr.K.Ravindra)
Prof., & HOD, M.E

Dr.KR / dsh



Academic Year: 2017-2018

GOKART DESIGN CHALLENGE 2017, Kari Motor speed way. Coimbatore





E-BAJA, Natrax Indore



DE-07.09.2017
Chowdavaram

To
The Principal,
R.V.R & J.C. College of Engineering,
Chowdavaram,
Guntur - 522 019.

Respected Sir,

Sub: Request – Financial Support – E-BAJA Vehicle Challenge 2018 – Reg.

We, Team **Falcon Racers of R.V.R & J.C. College of Engineering**, have recently participated in **Virtual BAJA 2017 (preliminary test for main event) organized by SAE INDIA and secured All India Second Rank**. Now, we are going to fabricate the vehicle (which we projected in the Virtual Round) to participate in main BAJA 2018 at NATRAX, INDORE on January 25th, 2018.

The estimated cost for fabricating the vehicle (including registration and transport) is Rs.9,95,000/- (Rupees Nine Lakhs Ninety Five Thousand Only). The details of expenditure to be incurred are furnished separately. Out of the total cost we (students) are contemplating to bear an amount of Rs.3,00,000/- (Rupees Three Lakhs only) and expecting Rs.1,00,000/- (Rupees One Lakh only) as sponsorships from the Industries.

We are glad, if the college authorities able to provide the remaining amount of Rs.5,95,000/- (Rupees Five Lakh Ninety Five Thousand only) to complete our project to participate in the Main BAJA 2018 and we will definitely strive hard to bring laurels to our college.

Thanking you Sir,

Yours Faithfully

N. Naga Sandeep Kumar
TEAM FALCON RACERS
E-BAJA-2018 (SAE INDIA)

Sir,
If possible kindly consider
(Electrical kit, we can
use for three years)
Mr. [unclear]
(Dr. N.V.V.C. Chowdavaram)
11/9/2017
for [unclear]
to be [unclear]
Submitted
K. Suman
Pl. pay a balance of Rs 300,000 after receiving bills.



Chowdavaram,
6th January, 2018

To
The principal,
R.V.R & J.C College of Engg.,
Chowdavaram
GUNTUR-522019

Sir,

Sub: Completion of the Vehicle – Financial Assistance – Request – Reg.

* * *

We, Team Falcon Racers of our college, with the kind permission of the HOD, have initiated ourselves for the fabrication of "Hybrid Vehicle" to participate in the "HYBRID VEHICLE CHALLENGE" competitions to be organized by "IMPERIAL SOCIETY OF INNOVATIVE ENGINEERS – ISIE" at Buddh International Circuit, Noida during 17th – 22nd January 2018.

In this context, we have tried our level best to secreted the financial assistance from the likes of Auto Mobile outlets in and around Guntur & Vijayawada. Big Industrialists, but of no avail. Hence, our students, who are interested to built-up the vehicle have secreted an amount of Rs.3,70,000/- (Rupees Three Lakh Seventy Thousand Only). The estimated vehicle cost comes to Rs.4,75,000/- (Rupees Four Lakh Seventy Five Thousand Only). Still, we have to procure Li-Ion Battery. The Cost of Li-Ion Battery is Rs.96,000/- (Rupees Ninety Six Thousand Only), out of which, we have already paid Rs.66,000/- (Rupees Sixty Six Thousand Only) as advance. Due to shortage of amount in our hands, we couldn't make the payment of remaining amount of Rs.30,000/-.

In this regard, we request you to kindly sanction an amount of Rs.30,000/- for procurement of Li-Ion Battery.

Thanking you Sir,

Yours sincerely,

M. Pruthi Sree Harj.
TEAM FALCON RACERS
(HVC-ISIE)

*Ref. copy.
original is with office.*

Academic Year: 2016-2017

Quad Bike design challenge

Chowdavaram,

14-07-17.

To
The Principal,
RVR & JC COLLEGE OF ENGINEERING,
Chowdavaram.

Sub: Requesting for Transportation charges for Quad vehicle.

Sir,

We team Quad Torc 2k17 as Falcon Racers have manufactured a Quad Bike to attend the competition, Quad Bike design challenge organised by Fraternity of Mechanical & Automobile Engineers. We here by request you for the transporting of the vehicle to Yash Motor Sports Park, Hyderabad. The vehicle must be reported in the pit by 21/07/2017 afternoon. We hereby with due respect request you to provide the charges for transporting the vehicle, which will be ~~Rs. 20,000/-~~ (Twenty thousand) approximately.
Thanking you sir,

Yours sincerely,

B. Madhu babu

(Y14me814)

Sir,
Students fabricated
vehicle, it is running well.
kindly consider

14/7/17
(BY NVSSJ)

Pl. produce
the transport
bill

Sir, May be considered

submitted

An amount of Rs 20,000/-
may be paid. S. Suresh
18/7/2017

Formula Kart Design Challenge, MECOKARTPIO, Bangalore

16/03/2017

Guntur

To,
The Principal,
RVR&JC College of Engineering,
Chowdavaram.

Sub: Requesting fund for transportation-FKDC.

Sir,

This is to bring to your kind notice that Fraternity of Mechanical & Automobile Engineers society is organizing Formula Kart Design Challenge 2017, from 20th march, 2017 to 24th march, 2017. We, the Formula kart team of our college are participating in this event.

In this regard we need to transport our self-fabricated formula kart to the event. The Event is organized in Bangalore which is 640 km from our college. The transportation cost for the vehicle and participants is around 40,000 (forty thousand). Kindly please grant us the above mentioned amount.

Hope that our request will be processed.

Thanking you,

Yours sincerely

A.K.Sri Kalyan (V14ME8CB)

[CAPTAIN]

A.K.Sri Kalyan

*Submitted
May be sanctioned
K. Srinivas*

*Sir,
Some vehicle participated
in gokart design challenge at
Coimbalore at that time
we have paid Rs. 45000/- for
transportation. Now students
are changed engine and totally
modified the vehicle and totally
in above event. If possibility is
there, kindly ~~sanction~~ consider.
Yr.
(Dr. N.V.S. Sudhakar)*

22/3/2017

*En
May be sanctioned
R.E
13/3/17*





Dt: 02.02.2017

NOTE SUBMITTED TO THE PRINCIPAL:

Sub: Request for sanction of Transportation amount and Driver safety gear amount for HVC -Reg.

It is to bring to your kind notice that the students of Mechanical Engineering and Electrical Engineering are formed as a Team (27 members) called Falcon Racers for designing and fabrication of Hybrid Vehicle. The students have to participate in the ISIE HVC-17 (Imperial Society of Innovative Engineers Hybrid vehicle Challenge) to be held at Buddh International Circuit, Greater Noida near New Delhi during 16-19th February, 2017. For fabrication of the vehicle, so far, the students have spent an amount of Rs.5.40 Lakhs (27 members @ Rs.20,000/- each). The students have worked well through-out the day and night for fabrication of the vehicle. Further, they have made a provision for Alcohol Safe Igniter as an innovation in this edition.

Now, the students required to procure Driver Safety Gear, which approximately costs Rs.75,000/-. Further, we have to transport the vehicle from our college to Buddh International Circuit, Greater Noida, New Delhi. For estimated transportation charges are Rs.1,20,000/-.

Hence, we request you to kindly sanction the said sum of Rs.1,95,000/- (Rupees One Lakh Ninety Five Thousand Only) for procurement of the Driver Safety Gear as well as to meet the transportation charges of the vehicle from our college to the Circuit and to return.

We hereunder furnish the details of fabrication of vehicles, its expenditure and amount(s) received for the vehicle for your kind perusal:-

| S.No. | Event and organizer | Place | Total Budget (in Rs.) | Amount sanctioned by college |
|-------|---------------------|------------------------|-----------------------|---|
| 1. | E-BAJA, SAE India | Indore, Madhya Pradesh | 5.58 lakhs | 1.80 lakhs + 1 lakh sponsored amount by ITC |
| 2. | Gokart, ISNEE | Coimbatore, Tamilnadu | 2.00 lakhs | 45,000/- |

(Signature)
 (Dr.N.V.V.S.Sudheer)
 Faculty Advisor, SAE-INDIA

Dr.NVVSS / dnb

(Signature)

06/02/2017
Submitted

(Signature)
 (Dr.K.Ravindra)
 Prof.. & HOD, M.E

proposal for sanction additional amount of Rs.1,95,000/- in addition to the existing sanction amount of Rs.2,25 lakhs



Chowdeveram,
Dt: 21.10.2016

To
The Principal,
R.V.R. & J.C. College of Engineering,
Chowdeveram,
Guntur.

Sub: Financial support for the on-going live project E-BAIA 2017 -
Request - Reg.

Respected Sir,

We, Team Falcon Racers of Mechanical Engineering Department are fabricating and designing an all terrain vehicle to participate in the event e-BAIA 2017, to be organised by SAE India at Indore during February 2017. For fabrication of the vehicle, it is estimated that an amount of Rs.5.58 Lakhs is necessary. As a part of team, we, the members of Team Falcon are investing an amount of Rs.2.5 Lakhs. As per the advice of Sri R.Gopala Krishna garu (our Hon'ble Secretary & Correspondent), we approached ITC Ltd., (ILTD Division) for funding our vehicle, for which, ITC Ltd., has issued a Cheque for Rs.1.00 Lakh.

Hence, we request you to kindly support us to complete our fabrication work in time, duly sanctioning us the remaining sum of Rs.1.80 Lakhs.

Awaiting for your favourable response in this matter.

Thanking You,

Yours Faithfully,

Sir,
kindly consider
by
Dr. N.V.S. Swathara
/ Anand
21/10/2016
Team Falcon Racers
G. Praveen
(VUMERUO)
Submitted
K. Anand

GOKART DESIGN CHALLENGE 2016, Kari Motor speed way. Coimbatore



QUAD TORC



Chowdavaram,
19th August, 2016

To
The Principal,
R V R & J C College of Engineering,
Chowdavaram,
Guntur.

Sub: Requesting financial aid for our project work.

Sir,

We 3rd & 4th B.Tech students around 30 members gathered together and fabricated a All Terrain Vehicle for National event QUAD TORC organising by ISNEE at Chanpur, Uttar Pradesh on 27th August. So far we have invested our money Rs.3,40,000 for project work which was collected from team members completely. The design and fabrication of our vehicle is done and it is performing well. The travelling charges for vehicle transportation to Chanpur will be around Rs.80,000/out of which we have Rs.30,000 in our hand. So we kindly request you to grant us the remaining amount Rs.50,000 for our transportation charges.

Thanking you,

Yours sincerely,

QUAD TORC
P.Prasanth.

Team Faculty advisor: If possible kindly consider.
(Dr NV S Sudeeep)

Head of the Department: [Signature]
19/8/16

Principal: Submitted
maybe sanctioned
[Signature]
19/8/2016

E-BAJA, Natrax Indore.



ISIE-HVC 2016, RPM International Racing Circuit



Guntur
20.01.2016

To
The Principal,
R.V.R. & J.C. College of Engineering,
Chowdavaram.

Respected Sir,

Through H.O.D, M.E

We the team falcon racers participating in the ISIE hybrid vehicle challenge event at Bhopal, Madhya Pradesh during 24.01.2016 to 29.01.2016. The design & fabrication of the vehicle was almost completed. So far, we have incurred Rs.3,50,000/- (approximately) for fabrication of the vehicle, which was borne by students of this group.

Still, we have to procure 4 tyres to the vehicle to put the vehicle for the competition. The cost of the same is approximately Rs.16,259/- (including tax). Apart from this, approximately Rs.50,000/- is needed for transport the vehicle to the place of event.

Hence, we request you to kindly sponsor the above amount of Rs.66,259/- (Rupees Sixty Six Thousand Two Hundred Fifty Nine Only) and permit us to participate in the event to be held during the aforesaid period at Bhopal, Madhya Pradesh.

Kindly do the needful Sir.

Thanking You Sir,

Yours Sincerely
Falcon Racers-HVC

V. Anil K R
918ME967

*Sir
This is a
board project
done by a student of
so student for a board
project which is under
costs are more than
requested the complete
to complete the project amount of Rs. 66,259/-
the vehicle on the board.
I request you to kindly
their request.
H.O.D, M.E
20/01/16*

*20/01/16
Submitted
H.O.D, M.E*



Academic Year: 2014-2015

E-BAJA, Natrax Indore.



Hopkins
[Signature]

Chowdavaram,
Dt: 19-08-2015.

To
The Principal,
R. V. R. & J. C. College of Engineering,
Chowdavaram.

Respected sir,

Sub: Requesting to release the money to start the fabrication-**Regd.**

We are the students of mechanical department representing our college by the team name **FALCON RACERS** in **SAE BAJA** at NATRAX, INDORE during 20th-22nd Feb 2015. As a part of that event our team had won the **e-BAJA INITIATIVE AWARD 1st PRIZE** and also a cash prize of worth Rs **60,000/-**. As the team continues the participation of the event by selecting in the **BAJA VIRTUAL** round in **3rd place** in national level held at CHITKARA UNIVERSITY, chandigarh. Final event is going to held at Natrux, Indore during 18th-22nd Feb 2016.

The fabrication work is going to be started as soon as possible. Total cost estimated for the fabrication and shipment is Rs **4,10,000/-**. Team can afford an amount of Rs 1,50,000/-. We had amount of Rs 45,000/- by means of prize money (Rs 30,000/-) and sponsorship (Rs 15,000/- from Mr. Bommidala Sri Krishna). Hence we request your honor to kindly grant Rs 2,15,000/- for our project and make it a grand success. The details of the cost estimation are enclosed herewith.

Thanking you sir,

Yours sincerely,
Falcon racers.
G.V. SUREN DRA
Y12ME892

Kindly consider

Dr. M.V.S. Reddy

May be considered
[Signature]
Principal

Submitted
[Signature]



Agenda Item No.

To
The Principal,
R.V.R & J.C College of Engineering,
Chowdavaram.

Dr: 15/09/2014,
Chowdavaram.

From
FALCON RACERS,
Mechanical Engineering,
Chowdavaram.

Sir,


Sub: Request for Funding, for the live project - The design and manufacturing of ATV (All-Terrain Vehicle)-Req.

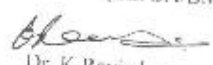
We, the students of Mechanical Engineering have formed a team **FALCON RACERS**. We attended the VIRTUALS PRESENTATION and ONLINE EXAM and selected for the main events **EBAJA & BAJA STUDENT INDIA** organized by **SAEINDIA** and **DELTA INC** at **INDORE** in FEB & **NIT-JAMSHIEPUR** in JAN respectively. For **EBAJA**, an electric motor is used in transmission and the transmission kit will be provided by **MAHINDRA REVA** at worth of Rs 2,85,000/-. **BAJA STUDENT INDIA** is an **IC** engine based vehicle. In this context the team has to design and fabricate **All Terrain Vehicle (ATV)** for participating in the final racing events. The report work has been done with utmost care.

Now our next target is to move on to the fabrication work. Before start of fabrication of the vehicle, many parts are to be ordered. So the team is in great need of money for the project. The Team have already collected a sum of 1,56,200/- (team members funded money) for the projects. A sponsorship of Rs 1,00,000/- is yet to be collected from Hon. **GALI A JAYADEV**. Cost estimation for the both the events is **Rs 8,50,000/-**. Hence we request your honour to kindly grant **5,70,000/-** for both the projects and make it a grand success. The details of the cost estimation are enclosed herewith.

Expecting your co-operation,
Thanking you sir,

Yours obediently,
FALCON RACERS,
(EBAJA/BSI)


Dr. N.V.V.S Sudheer,
Faculty Advisor.


Dr. K. Ravindra,
Prof & HOD ME.

*Sanctioned
Rs. 5.00 Lakhs*

*Submitted
Thru
To
HOD, ME
Thru*