



# CEG MOTORSports

THE SAE COLLEGIATE CLUB OF CEG



Team CEG Motorsports is the official SAE Collegiate club of College of Engineering, Guindy. We design and fabricate an ATV every year to compete with teams from all over India in the SAE BAJA competition. Our objective is to compete with the vehicle as the prototype for a production off-road vehicle.

## DRIVEN TO PERFORM

## 18 YEARS OF LEGACY



## CONTACT US

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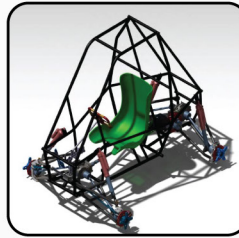
## OUR SPONSORS





## WHAT WE DO?

We took up the challenge of designing, fabricating, and testing a single-seater four-wheeled off-road electric vehicle. We participate in a three-day series of events hosted by BAJA SAE that put our vehicle's gradability, speed, acceleration, and maneuverability to the test.



DESIGN



BUILD



RACE



## WHAT WE STRIVE FOR?

We strive to present a sound engineered terrain hunter that could take us past the finish line ahead of the hundreds of teams from various universities and colleges across India that participate in the National Automotive Test Tracks (NATRAX)-Indore.



## ACHIEVEMENTS



### BAJA SAEINDIA 2024

ALL INDIA RANK 4

BEST DEBUTANT TEAM

SLED PULL AIR 3

MANEUVERABILITY AIR 2



### BAJA SAEINDIA 2023

BEST 4WD TEAM

1<sup>ST</sup> IN ENGINEERING DESIGN

1<sup>ST</sup> IN TECHNOLOGY INNOVATION



### BAJA SAEINDIA 2016

MANEUVERABILITY AWARD



### BAJA SAEINDIA 2012

GO GREEN AWARD

### MEGA ATV CHAMPIONSHIP 2022

OVERALL 3<sup>RD</sup> PLACE

1<sup>ST</sup> IN ARMAGEDDON RACE



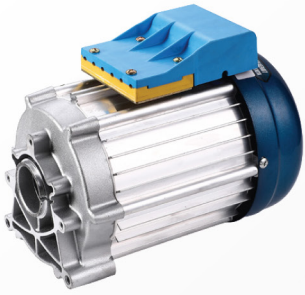
### BAJA SAEINDIA 2007

BEST AESTHETICS AWARD

BEST ENGINEERING DESIGN AWARD



## SPECIFICATIONS



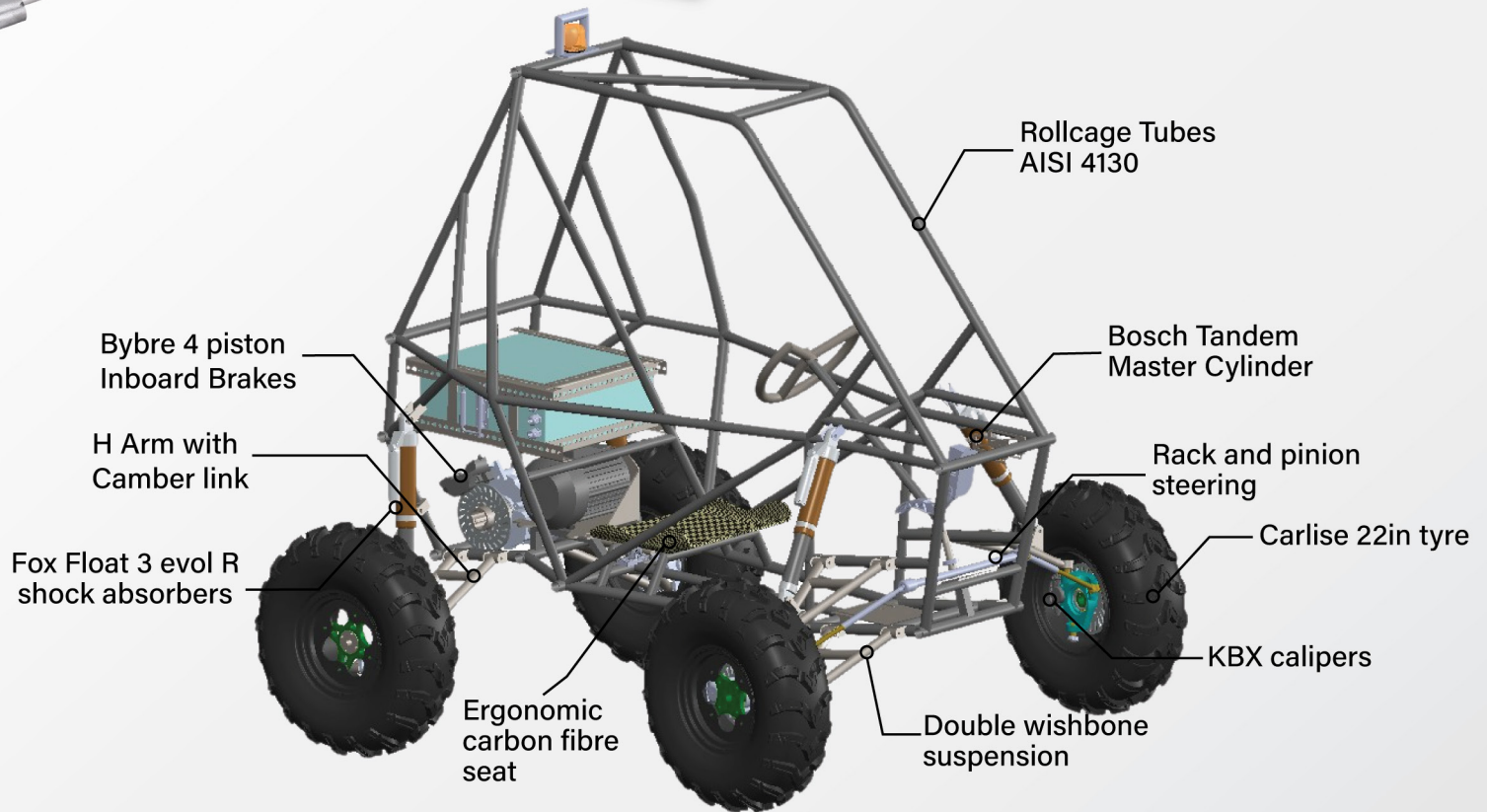
DATAI 6-phase  
PMSM



48V, 120Ah LFP  
battery



Controller with  
in-built inverter



## TIMELINE



RECRUITMENT  
AND TRAINING

MAR - APRIL



DESIGN AND  
ANALYSIS

MAY - JUNE



MATERIAL  
PROCUREMENT  
AND FABRICATION

JULY - SEPT



STATIC REPORTS  
& EVENT  
PREPARATION

OCT - NOV



ASSEMBLY  
AND TESTING

DEC - FEB



BAJA SAE  
INDIA EVENT

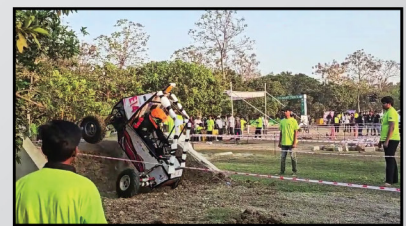
MARCH



**SLEDGE PULL**



**ENDURANCE**



**SUSPENSION AND  
TRACTION**



**MANEUVERABILITY**

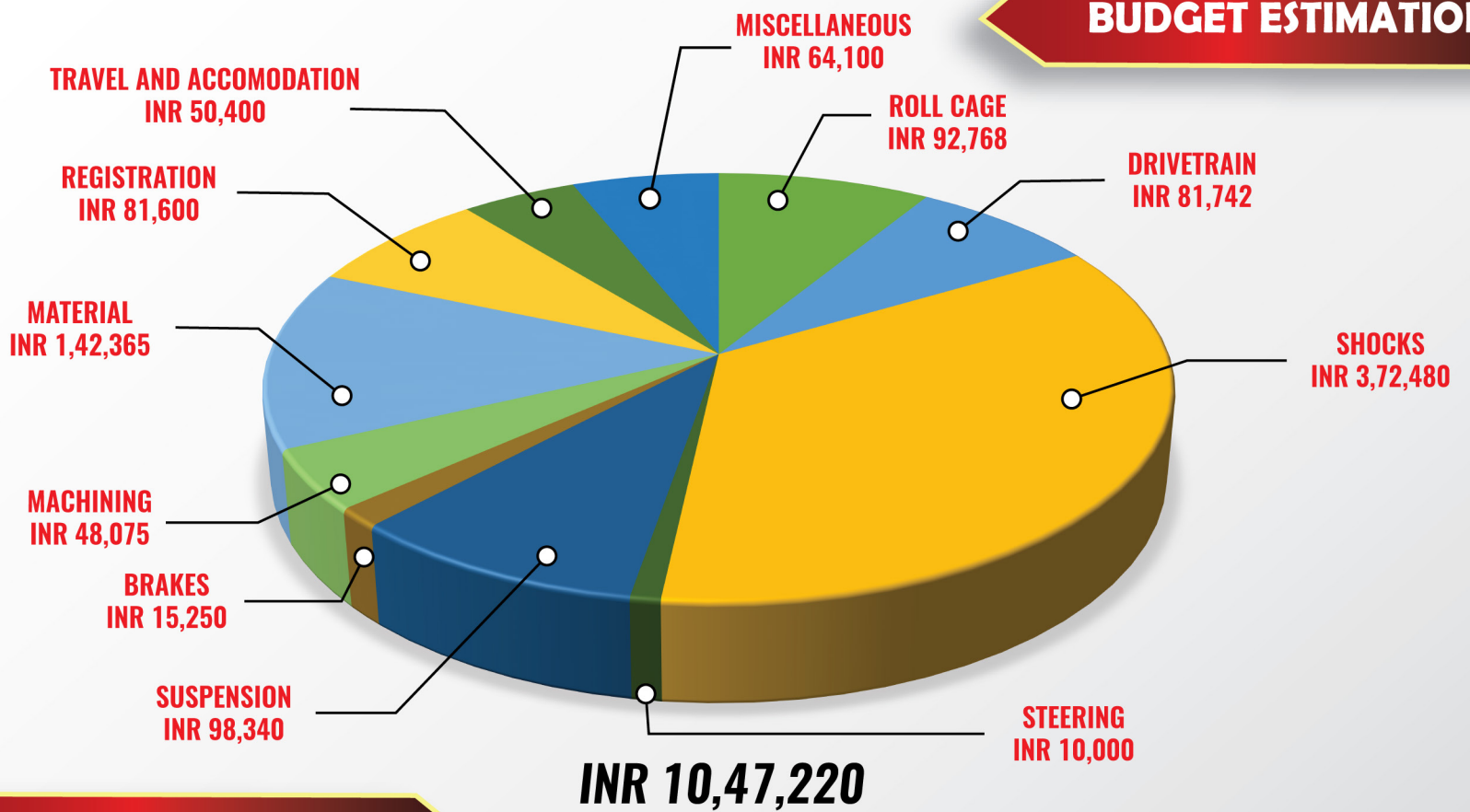


**ACCELERATION TEST**



**DESIGN PRESENTATION**

## BUDGET ESTIMATION



## WAYS TO SUPPORT US



Monetary support helps us to cover our expenses and in upgrading our ATV



Providing products (both hardware and analytic tools) at a discounted price enhances our development



Technical support helps us improve the design and performance of our ATV and clarify our queries in design, manufacturing, etc.



Manufacturing support helps us in machining the components of ATV with high accuracy



Logistic support helps us in transporting the ATV and tools



Travel support help us in accomodation of our team members near event site

## OUR GRATITUDE TOWARDS SPONSORS



- > Organization's name incorporated with team's name
- > Promotional video of the organization on social media
- > Added with Gold, Silver and Bronze benefits

- > Car accompanied by team for promotional events
- > Banner at the BAJA event
- > Added with Silver and Bronze benefits

- > Recognition during Auto Show on campus
- > Organization logo on the car panel and team apparel
- > Added with Bronze benefits

- > Organization logo on website and brochure
- > Sponsor recognition memento