A blurred background image of a person riding a kick-scooter, viewed from behind. The scooter has a blue and white design with the number '18' on the back wheel. The background is a city street.

TEAM
RAFTAAR

DELHI TECHNOLOGICAL
UNIVERSITY

Pushing the limits of
Sustainable Transportation

a **little** about us

Team Raftaar is a team of undergraduate students of Delhi Technological University (formerly DCE) who design Human Powered Vehicles (HPVs) with the view of revolutionising sustainable transportation.

We were ranked 1 in the Human Powered Vehicle Challenge(HPVC) India 2015 and were ranked 12th in the HPVC USA 2016.-

American Society of Mechanical Engineers(ASME) is a professional engineering society that promotes the art, science & practice of multidisciplinary engineering & allied sciences around the globe.

ASME's International Human Powered Vehicle Challenge (HPVC) provides an opportunity for students to demonstrate the application of sound engineering design principles in the development of sustainable and practical transportation. The HPVC takes place in four locations all over the world i.e. India, USA West Coast, USA East Coast and Mexico.

A LITTLE ABOUT US





OUR VISION

Our Vision

Having proven ourselves as the fastest HPV team in India and also achieving our dream of being the first to represent India in HPVC International, this year we plan to prove our mettle on both the grounds.

We aim to defend our title of the fastest HPV in India during HPVC India.

We promote eco-friendly ways of transportation.

Within 2-3 years, we see ourselves breaking the world record for land speed of a Human Powered Vehicle(HPV) held by Delft University of Technology at 133.78kmph.

Our Achievements

- **HPVC WEST (2016)**

We were ranked 12th in the design event.

- **We built the first fully faired bicycle using Carbon Fiber in India.**

- **In 2016 we represented India in the HPVC West held in California USA.**

HPVC INDIA (2015)

We built the **fastest** human powered vehicle in India.

Achieved a top speed of **67 KMPH**.

Stood 1st in the design event.

Clocked the **fastest time** in sprint race that was 8.5% faster than our closest competitor.

Bagged an **overall first position** in **ASME HPVC INDIA 2015**.

ASSOCIATING WITH US

Team Raftaar believes in building a symbiotic relationship with its corporate partners over the years.

Associating with us gives you an opportunity to:

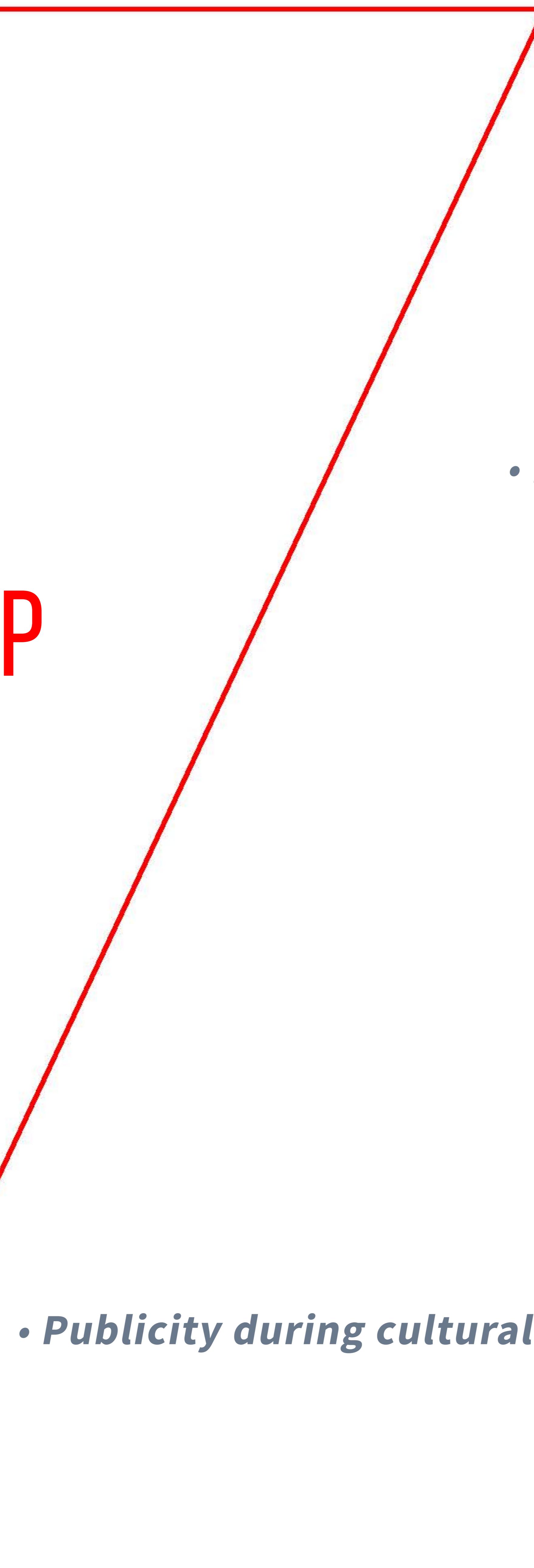
- Be recognized as the pioneer of the **fastest HPV** of India, which would bring your brand significant traction and mileage.
- Be associated with the only HPV of India that has represented India at an international event.
- Publicize your brand at national and international level using print banner and stickers on our apparel and vehicle.
- Engage with the team and gain access to tomorrow's engineers working on cutting edge technology.
- Interact with a global audience and get covered by international media.

We believe that this will be a fruitful association for both the parties.

What follows is the team's budget. Your sponsorship can either be in the form of cash or kind.



SPONSORSHIP PACKAGES



TITLE SPONSORS

RS 75,000 (\$1200) AND ABOVE

- **Large size logos on:**
Team Apparel, Team Brochure, posters and literature,
Driver race suits, Front and Rear side of panel
- **Publicity during cultural and technical fest** along with an invitation to showcase your products.
- The vehicle can be showcased at company's events as per request.
- **Company logo and link** on our Facebook page.

ELITE SPONSORS

RS 45,000 (\$700) AND ABOVE

- **Large size logos on:**
Team Apparel, Team Brochure, posters and literature.
- **Medium size logos on:**
Driver race suits, Front and Rear side of panel.
- **Publicity during cultural and technical fest** along with an invitation to showcase your products.
- **Company logo and link** on our Facebook page.

SPONSORSHIP PACKAGES

PREMIUM SPONSORS

RS 20,000 (\$300) AND ABOVE

- **Medium size logos on:**
*Team Apparel, Team Brochure, posters and literature,
Driver race suits, Front and Rear side of panel.*
- **Company logo and link on our Facebook page.**

ASSOCIATE SPONSORS

RS 8,000 (\$150) AND ABOVE

- **Small size logos on:**
Team Apparel, Team Brochure, posters and literature, Front and Rear side of panel.

OUR SPONSORS

We would like to sincerely thank our current sponsors as coming this far wouldn't have been possible without them.



OUR BUDGET

Vehicle Construction

Tools and equipments: Rs 47,000 (700 USD)

Frame components : Rs 70,000 (1000 USD)

Fairing Fabrication : Rs 80,000 (1200 USD)

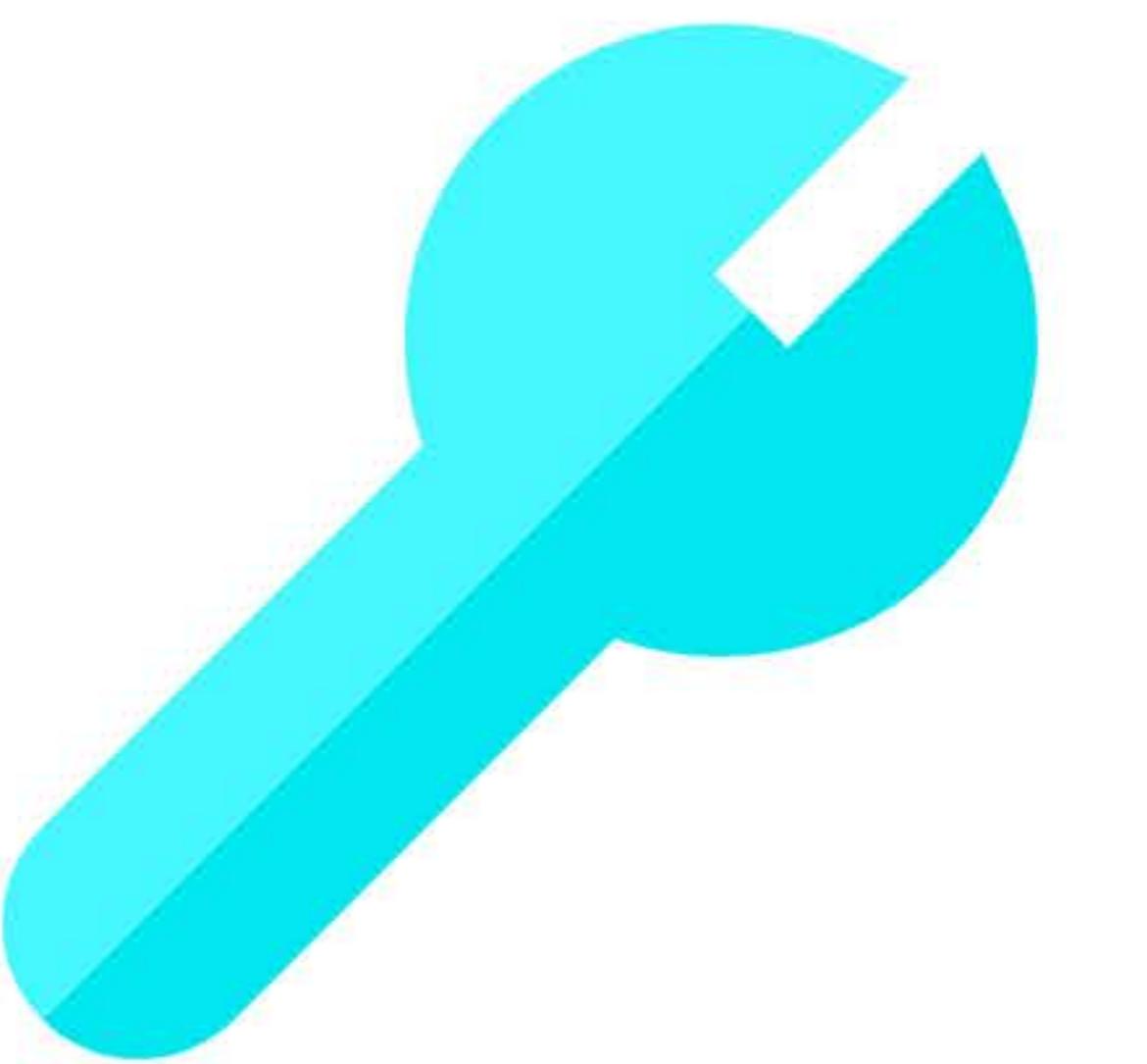
Travelling Costs

Cargo : Rs 2,50,000 (3800 USD)

Team travel : Rs 5,00,000 (7600 USD)

We are committed to providing the sponsors with the exact billing details of the entire money given to the team.

The team also ensures that the sponsors are regularly updated on the project.



VEHICLE CONSTRUCTION

RS. 197,000



TRAVELLING COSTS

RS. 7,50,000



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Delhi Technological University

One Earth, One Chance **Play Your Part**

A soulful nukkad performance. A walk, a reminder. Join us, in our green parade, to make a lasting difference.

4:00 PM
Civil Raised Platform
15 April, Wednesday

PRAKRITI
in association with  & 



enactus
Delhi Technological University

Prakriti

TEAM RAFTAAR

In support of
“One Earth, One Chance”



You aren't just burning off calories...

You'll avoid 1 pound of CO₂ for every mile you don't drive!

Team Raftaar shines at ASME HPVC 2014

Team Raftaar participated in the ASME Human Powered Vehicle Challenge 2014 held at IIT Delhi from 17th January to 19th January 2014 and secured 8th position in the design event and overall 14th position, amongst the participating 36 teams. ARROW-13 was the only recumbent bike with complete fairing providing it the best aerodynamic shape. The team achieved a speed of 80 km/h by pedalling.



<https://www.asme.org/about-us/meetings-and-events/annual-meetings/annual-meeting/2014-human-powered-vehicle-challenge>

Inaugural HPVC India Event is a Resounding Success



The first ASME Human Powered Vehicle Challenge (HPVC) to be held in India was an unqualified success, with more than 400 students and 36 teams from more than 30 universities turning out for the competition.

For more than 30 years, the ASME HPVC program has provided engineering students with the opportunity to demonstrate their skills at applying sound engineering design principles while developing sustainable and practical transportation alternatives.

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Team Raftaar from DTU has bagged 19th position in most prestigious ASME's International Human Powered Vehicle Challenge (HPVC).

RAFTAAR, a team of undergraduate students of Delhi Technological University represented India at most prestigious ASME's International Human Powered Vehicle Challenge (HPVC) conducted in California between April 22 and 24, 2016. This team from DTU has designed and developed a Human Powered Vehicle (HPV) for the ASME HPVC.



ASME's International Human Powered Vehicle Challenge (HPVC) is a kind of international platform, which provides an opportunity for students to demonstrate the application of sound engineering design principles in the development of sustainable and practical transportation alternatives. In the HPVC,

The recently concluded ASME Human Powered Vehicle Challenge 2015 at DTU saw unique vehicle designs powered solely by human power. Read more...

The recently concluded ASME Human Powered Vehicle Challenge 2015 at DTU was a visual treat for one and all as it included mesmerizing vehicle designs powered solely by human power. The competition saw unique vehicles ranging from usual upright bicycles, config trikes and to completely different from such designs- the recumbent.



HT CAMPUS

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