

Team name: Phoenix

Vehicle name: Firebolt

Vehicle specifications

Vehicle configuration: Semi-recumbent

Frame material: Aluminium Alloy 6063

Number of wheels: 2

Vehicle Dimensions (m)

- Length: 1.53m
- Width: 0.66m
- Height: 0.95m
- Wheelbase: 1.10m

Total Weight (kg): 14

Wheel Size (m)

- Front: 0.508m
- Rear: 0.508m

Steering: Front

Braking: Both





Team members

Faculty Advisor: Prof. Praveen Kumar Loharkar

Sr No.	NAME	YEAR	COURSE & BRANCH
1	Darsh Mehta	IV	B.Tech Mechanical Engineering
2	Ujval Patel	IV	B.Tech Mechanical Engineering
3	Pranav Gangwani	IV	B.Tech Mechanical Engineering
4	Karan Khara	IV	B.Tech Mechanical Engineering
5	Himanshu Goyal	IV	B.Tech Mechanical Engineering
6	Karan Sheth	IV	B.Tech Mechanical Engineering
7	Tejas Jindal	III	MBA.Tech Mechanical Engineering
8	Saksham Arora	III	MBA.Tech Mechanical Engineering
9	Mohit Jain	II	B.Tech Mechanical Engineering
10	Bhargav Dave	II	B.Tech Mechanical Engineering
11	Vatsal Ashara	II	B.Tech Mechanical Engineering
12	Ritwik Jain	II	B.Tech Mechanical Engineering
13	Jeet Thaker	II	B.Tech Mechatronics Engineering
14	Piyush Singh	II	B.Tech Mechanical Engineering
15	Aditya Desai	II	B.Tech Mechanical Engineering
16	Priyanshu Prakhar	II	B.Tech Mechanical Engineering
17	Priyanshi Choudhary	II	B.Tech Electronics and Telecommunications Engineering
18	Antara Kothari	II	MBA.Tech Computer Science Engineering
19	T chubasangla Jamir	II	B.Tech Mechanical Engineering

About the competition

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 alternatives.

This year (2019) it was held at VIT Vellore. The teams participating in the events were from IIT Roorkee, IIT Jodhpur, IEST Shibpur, NIT Rourkela, NIT Patna, NIT Silchar, NIT Jamshedpur, Delhi Technological University and many other esteemed institutes.

Achievements-SVKM's NMIMS MPSTME Shirpur Campus

- ❖ Team, "Phoenix" secured an overall second position in the ASME HPVC Asia Pacific, 2019 Event
- ❖ The team also stood first in following two categories:
 - Men's Drag (Speed) Event
 - Women's Drag (Speed) Event
- ❖ In the past, SVKM's NMIMS MPSTME Shirpur Campus have secured First prize in innovation at HPVC 2016 and Second prize in women's Drag race at HPVC 2017.



