AY26–27 ASME e-Human Powered Vehicle Challenge (eHPVC): Rules, Requirements & Prizes

e-HPVC is an engineering design & innovation competition where students can apply engineering principles through the design, fabrication, and racing of human powered vehicles.

What is the e-Human Powered Vehicle Challenge?

ASME's e-Human Powered Vehicle Challenge (e-HPVC), is an engineering design and innovation competition that gives students the opportunity to network and apply engineering principles through the design, fabrication, and racing of human powered vehicles.

Prizes

Overall 1st Place	$2,000.00, trophy
Overall 2nd Place	$1,000.00, trophy
Overall 3rd Place	$750.00, trophy
Design 1st Place	$500.00, trophy
Design 2nd Place	Trophy
Design 3rd Place	Trophy
Endurance 1st Place	$500.00, trophy
Endurance 2nd Place	Trophy
Endurance 3rd Place	Trophy
Drag 1st Place	$500, trophy
Drag 2nd Place	Trophy
Drag 3rd Place	Trophy
Best Yearly Focus	$500.00, trophy

Winners will also receive an ASME Digital Badge. Learn more about digital badges.

Competition Rules

Download the AY26–27 ASME e-HPVC Rules

AY26–27 e-HPVC Update

e-HPVC is introducing the Yearly Focus Challenge. Please read the rules for more information and see Appendix 6.

CLICK HERE TO VIEW THE DRAG & ENDURANCE COURSE AT EFx INDIA 2027

e-HPVC Competition Deadlines

Milestone	Deadline
HPVC Team Registration Deadline (all team captains, team members and faculty advisors must register)	**19 Nov 2026**
e-HPVC Design Report Deadline – Submit via Form (you must include your vehicle number with this submission) – Coming Soon	**7 Dec 2026**
Download Team #s – Coming Soon	**TBS**
e-HPVC Design Presentations (in person, schedule will be shared closer to the event)	**TBS**
e-HPVC Performance Safety Video – Submit via Form – Coming Soon	**14 Jan 2026**
e-HPVC Ride Log – Submit via Form – Coming Soon	**19 Jan 2026**

e-HPVC Q&A Forum – Discord Channel

Join the ASME Student Community Discord server: https://discord.gg/jDSzTPEyH4 navigate to the “ASME COMPETITIONS EFX & EFEST Channel” and select the eHPVC subchannel. Teams should proceed at their own risk following advice or interpretations from non-official sources.