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EVANGELISE '21

Electric Vehicle Innovation Challenge

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Electric Vehicle Innovation Challenge

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A never-before opportunity to
lead the EV revolution
that is changing
the way the world travels.

Your chance to propel India
to become a world leader in
2 & 3 wheeler EVs.

EVANGELISE '21
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The biggest event in the EV ecosystem, bringing together all stakeholders under one umbrella.

Connect with innovators, industry, institutions, investors and the government.

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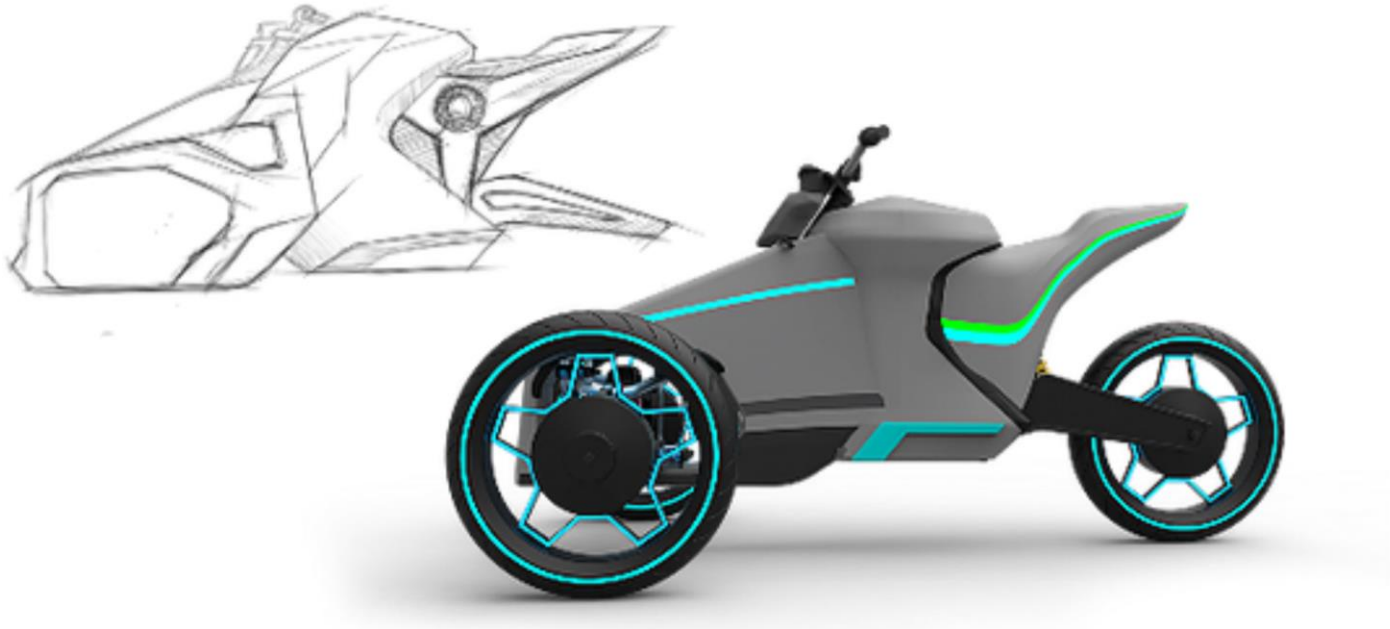
A unique Innovation Challenge, with a 7-month-long idea-to-product innovation journey.

Get deep learning and exciting rewards at every stage.



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Why an EV Challenge

1. EVs are changing the way the world travels.

2. For innovators, EVangelise is their ticket to the EV revolution.

3. Such innovation will enable Indian companies to manufacture these sub-components for EVs produced the world over.

4. At iCreate, we believe that breakthrough innovation at the sub-component level can help India become the global leader in 2 & 3 wheeler EVs.

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Partner Institutions

SUPPORTED BY:

- Government of India
- Government of Gujarat

INTERNATIONAL PARTNER:

- START-UP NATION CENTRAL

TECHNOLOGY PARTNERS:

- MathWorks
- SOLIDWORKS

ECOSYSTEM PARTNERS:

- agnii IGNITING IDEAS
- MEITY STARTUP HUB

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Who is it for

- Participants can be at any stage of their innovation journey, from anywhere in the world.
- We want innovators who aspire to create successful businesses.

STARTUPS

COLLEGE STUDENTS

RESEARCH INSTITUTIONS

INDEPENDENT INNOVATORS

EV ENTHUSIASTS

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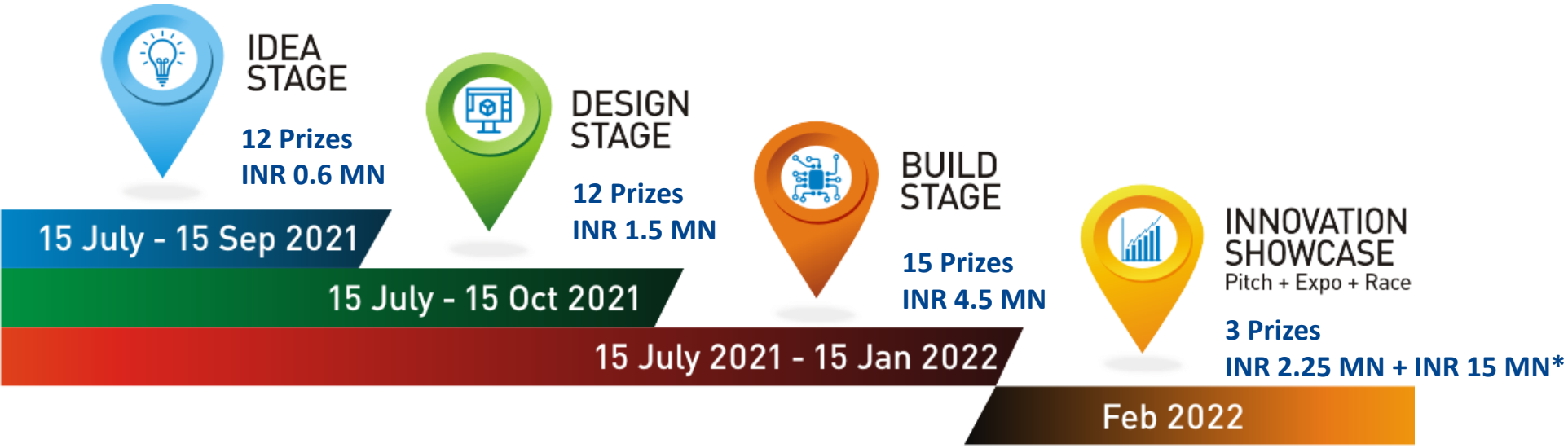
Why should you apply

- Electric mobility is witnessing exponential growth and represents great future potential.
- Since it is a nascent sector, it also offers a host of diverse challenges that you could address as an innovator.
- An engagement with iCreate opens up many opportunities for you, and provide you with a winning combination of mentors, market connects, and grants and investments.

Application Stages

- Startups can apply to any of the three stages but will be entered into the Build Stage only after an evaluation of their final application.
- It is recommended that early-stage startups apply to the Idea or Design Stage depending on their TRL (Technology Readiness Level)



*Top 3 winners will get incubation support of INR 5 MN each from iCreate

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Innovation Categories

- Electric Powertrain (motor + controller)
- Battery, BMS & Hybrid Energy Storage Systems
- Regenerative Braking System
- Intelligent Vehicle Management Systems

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Idea Stage

SUBMISSION DEADLINE: 15 SEPTEMBER 2021
RESULTS BY: 23 SEPTEMBER 2021

- Requiring only description of your planned innovation meant to increase the efficiency of 2 & 3 wheeler EVs.
- Shortlisted candidates move on to the Design Stage.

PRIZES

- 1st Prize: INR 75,000 (1 across each of the 4 categories)
- 2nd Prize: INR 50,000 (1 across each of the 4 categories)
- 3rd Prize: INR 25,000 (1 across each of the 4 categories)

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Design Stage

SUBMISSION DEADLINE: 15 OCTOBER 2021
RESULTS BY: 23 OCTOBER 2021

- Requiring specific calculations as well as simulation on dedicated software.
- Shortlisted teams from the Idea Stage, and also qualified direct applicants, will be eligible.
- Participants will be put through a 2-day Bootcamp, to set expectations, brief on tech specs, and suggest an efficient way forward.
- Shortlisted candidates move on to the Build Stage.

PRIZES

- 1st Prize: INR 1,50,000 (1 across each of the 4 categories)
- 2nd Prize: INR 1,25,000 (1 across each of the 4 categories)
- 3rd Prize: INR 1,00,000 (1 across each of the 4 categories)

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Build Stage

SUBMISSION DEADLINE: 15 JANUARY 2022
(for functional prototypes to reach iCreate campus)

RESULTS BY: FEBRUARY 2022
(announcement at the Expo; candidates shortlisted for the Pitch would be intimated in advance)

- Requiring delivery of a functional prototype/ POC, demonstrating real-world engineering and implementation skills.
- Shortlisted teams from the Design Stage, and also qualified direct applicants, will be eligible.
- Masterclasses and tech mentoring by iCreate and industry experts. Option to stay at iCreate campus and use our infrastructure and facilities.
- Prototypes will undergo parametric evaluation (80% weightage) at iCreate labs, in addition to business evaluation (20% weightage)
- 18 finalists move on to the EVangelise Innovation Showcase.

PRIZES

- 15 prizes of INR 3,00,000 each.
- Support from iCreate in terms of expert mentoring, rapid prototyping facilities, and the opportunity to get a suitable grant.

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Prizes and Support

Total cash prizes INR 8.85 MN across 3 stages & 4 categories

- **GRAND WINNER:** INR 1 MN
- **FIRST RUNNER-UP:** INR 0.75 MN
- **SECOND RUNNER-UP:** INR 0.5 MN

- Assured incubation support of INR 5 MN for each of the top 3 winners, along with market connects and industry mentorship.
- 15 other finalists get cash prizes of INR 0.3 MN each, plus iCreate support (mentoring, rapid prototyping facilities and the opportunity to get a suitable grant)

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Innovation Showcase

This will be held in Kevadia, in February 2022, against the backdrop of the Statue of Unity.

The Innovation Showcase will consist of 2 events:

- ELECTRIFY YOUR FUTURE PITCH: From the 18 finalists, select participants will get to present their innovations to a jury comprising top EV industry experts and VCs.
- EV EXPO: Featuring innovations from EV companies, electric sub-component manufacturers, and also the 18 EVangelise finalists.

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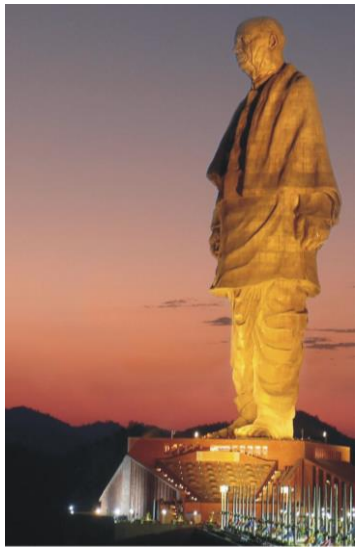
Statue of Unity EV Race

An open, international race at Kevadia (in Gujarat's Narmada district), home to the world's tallest statue, built to honour Sardar Vallabhbhai Patel. Kevadia is also slated to become India's first electric-vehicles-only area soon.



Total prize money for the race: INR 4.8 MN

The EV Race will feature entries from manufacturers of 2 wheeler EVs, under the following categories:

- CATEGORY 1: Unregistered* vehicles: < 250W
- CATEGORY 2: Regular vehicles: 250W-1KW
- CATEGORY 3: Performance vehicles: > 1KW

*ICAT certificate needed for 'vehicle registration not required'

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What makes iCreate well-equipped to organise an EV innovation challenge

- Over the past few years, iCreate has built a track-record of supporting diverse projects in the EV space:
  - Batteries and battery management systems
  - Charging systems
  - Energy recovery systems
  - Hybrid energy storage systems
  - Autonomous driving assisting systems
  - Smart functionality systems
- Our campus is equipped with design and simulation labs, rapid prototyping facilities, and core expertise in embedded systems.

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A recap

One-of-its-kind Innovation Challenge, biggest in the EV sector.

Brings together all EV stakeholders: innovators, industry, institutions, investors and the government.

Offers deep learning and exciting rewards at every stage.

3-stage event: Idea, Design & Build stages (direct entry possible at any stage)

Innovation Showcase consisting of a Pitch by select finalists to top EV industry experts and VCs. And an EV Expo featuring EV companies, sub-component manufacturers, and all the 18 finalists.

Aimed at getting the brightest minds from around the world to create breakthrough innovations for the Indian EV industry.

To be held between 15 July 2021 and mid-February 2022.

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For details & registration, visit:

EVangelise.org.in

or email: EVangelise@icreate.org.in