



A Brief report on Event

Eco Green Vehicle Challenge-2019

Introduction and History

The fast moving metropolitan cities necessitates preplanning of transportation and mobile network. With the advancements in automobile industry, these problems has been tackled to a certain extend but has also brought a concern to vehicular pollution. Air pollution today being a major point of debate persuades engineers and scientists to think of something new and pose a solution to this ever growing issue. Going green seems an only feasible solution to this. That's where we need young intellectuals to think upon. Eco green Vehicle challenge brings these debates to college level. The challenge is to design, built and test a vehicle propelled by none other energy source than human power. The vehicle challenge requires application of basic mechanics or mechanical systems to a simple human propelled. The EGVC event is the first link for the students of diploma or degree engineering to apply fundamentals laws which were previously just the part of their academics. The eco green vehicle challenge event aims to innovate and prevail the idea of Eco-Green vehicle in real practical terms, a vehicle easy to manufacture, is cheap and that too making commercial sense.

EGVC At L.d College of Engineering , Ahmedabad

First EGVC was held in 2014 under which 18 teams participated and showed their skills with enthusiasm. The trend continued in 2017 during which 13 teams participated and 14 teams participated in 2018. With huge success of 3 versions, 4th EGVC was held from 4th to 6th April 2019 at L.D.College of Engineering. In this Event over 150 students from 14 colleges across various states like Madhya Pradesh, Maharashtra, Punjab, &Gujarat had participated in this Event. All students showed tremendous response and with hard efforts of Core Team and Students volunteers stage was set for all the teams to show their talent on National stage. The details of participating teams are mentioned below:



EGVC 2019



<u>Sr.no</u>	<u>Team Name</u>	<u>College Name</u>
1.	GREEN RANGERS	SANT LONGOWAL INSTITUTE OF ENGINEERING AND TECHNOLOGY, PUNJAB
2.	TEAM AVENGERS	SNJB'S K.B.J COLLEGE OF ENGINEERING, MAHARASHTRA
3.	TEAM PHOENIX	L.D. COLLEGE OF ENGINEERING, AHMEDABAD
4.	ATOM	BABARIA INSTITUTE OF TECHNOLOGY, VADODARA
5.	TEAM SPITFIRE	AHMEDABAD INSTITUTE OF TECHNOLOGY
6.	MECH SQUAD	RK UNIVERSITY, RAJKOT
7.	TEAM GREENITIOUS	GANDHINAGAR INSTITUTE OF TECHNOLOGY
8.	Xtreme 2.0	PARUL INSTITUTE OF ENGINEERING AND TECHNOLOGY, VADODARA
9.	FORZA	IPCOWALA INSTITUTE OF ENGINEERING AND TECHNOLOGY, ANAND
10.	TEAM SWIFT	PARUL INSTITUTE OF TECHNOLOGY, VADODARA
11.	AUTOPIRATES	LAXMI INSTITUTE OF TECHNOLOGY, VALSAD
12.	TEAM ALPHA	ALPHA COLLEGE OF ENGINEERING AND TECHNOLOGY, GANDHINAGAR
13.	TEAM DHAVAK	ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL
14.	ILLUMINATI	L.D COLLEGE OF ENGINEERING, AHMEDABAD

4TH OF APRIL 2019 (DAY 1)

INAUGURATION OF EGVC 2019

The Inauguration ceremony began on 10:00 am. 14 teams & more than 150 students were present. All dignitaries provided their sights by explaining importance of event and motivated students to work hard and smart to be successful personal. Also a brief sight to save environment and keep planet green was given to all the participants.

The honourable dignitaries of the Event

NAME	DESIGNATION
Mr.SANJAY NIBANDHE	DEPUTY DIRECTOR-HTC &FID, OPERATIONS,ARAI ,CHAKAN
Mr SWETAL SHAH	TECHNICAL ADVISOR, CLIMATE CHANGE DEPT. GUJARAT.
Mr MUKESH SHAH	JOINT SECRETORY OF CLIMATE CHANGE DEPT. GUJARAT.
Dr .G.P. VADODARIA	PRINCIPAL, LDCE
Prof .N.M.BHATT	HOD, MECHANICAL DEPARTMENT
Prof .R.J.JANI	HOD, AUTOMOBILE DEPARTMENT
Mr ANIL CHUNCH	CEO OF ATUL MOTORS LTD, AHMEDABAD
Mr .AMAR VARIWA	DIRECTOR OF MARKETING AND PUBLIC AFFAIRS INDIA
Mr .ATUL SHAH	VICE PRESIDENT OF LAA
Mr RAMESH PASARIJA	DEPUTY DIRECTOR OF SAE WESTERN SECTION



Glimpse of The Inauguration ceremony

The Technical Inspection

In this Round all the Teams gave their Vehicle Reports & Dynamics Calculation to respective Judges. Judges evaluated vehicles as per Rule book and after clearing TI, Team was allowed to for next stage.



Expert Lecture

1. Automotive testing & validation process was conducted by Mr. Sanjay S Nibandhe.
2. Emission Control Process was conducted by Mr. Ramesh Pasarija



5th of April 2019 (day2)

Presentation on Business & Cost Planning

On the second day of the Event all the teams gave their design, cost & business presentation to judge. Juries evaluated them and also provided their insights and directions to team for Improvement.



Brake Test, Skid Pad Test

In this Round The Drivers Had to Drive the Vehicles in the Pattern Mentioned. This round tested brakes and steering of vehicles. After clearing this rounds, teams were allowed to for for next test.



Acclivity-Declivity Round.

This round tested capacity of vehicle to climb the slope. The round also tested drive train designed by various teams.



Manoeuvrability Round.

In this Round the Participant had to pass all the hurdles & Resistance in the minimum time to get the more number of points.



Knockout Round At Night.

This was a last Round before the Endurance Race, Where each team Showed their maximum Speed of the Vehicles to Complete the limited distance track. This round also decided pole position of teams for Endurance round.



6th of April 2019 (day 3)

The Endurance Round

In this Round the Participants Had 120 minutes, the team who had completed maximum number of lap with minimum penalty were considered as a winner of the Endurance Round.



After the 120 minutes of Tough Endurance Round the EGVC 2019 Finally Found its winner & Runner up of this National Event

Winner of The EGVC 2019.

Sr no.	Trophies Category	Person/Team	College	Prize
1	Best Faculty advisor	Rohit Sahu/ Team Alpha	Alpha college of Engineering and Technology	trophy
2	Girl Participant	STUTI KULKARNI/ Team Greenitious	Gandhinagar institute of Technology	trophy
3	Cost runner up	the avengers	SNJB's late Sau. Kantabai Bhavarlalji Jain College of Engineering	trophy
4	cost winner	team greenitious	Gandhinagar institute of Technology	10000
5	Design runner up	green rangers	Sant longowal institute of engineering and technology	trophy
6	Design winner	the avengers	SNJB's late Sau. Kantabai Bhavarlalji Jain College of Engineering	10000
7	Best Innovation	the avengers	SNJB's late Sau. Kantabai Bhavarlalji Jain College of Engineering	10000
8	MANEVERABILITY 1st	green rangers	Sant longowal institute of engineering and technology	10000
9	Endurance winner	green rangers mech squad	Sant longowal institute of engineering and technology School of Engineering, RK University	10000 10000
10	Overall 2nd runner up	atom	Babaria Institute of Technology	15000 +trip voucher
11	Overall 1st runner up	the avengers	SNJB's late Sau. Kantabai Bhavarlalji Jain College of Engineering	35000
12	Overall Winner	green rangers	Sant longowal institute of engineering and technology	50000

Valedictory Ceremony

After the final Result Declaration the whole family of the EGVC 2019 Thanked the Respected Dignitaries of L.d College of Engineering.

Respected Principal Dr.G.P Vadodaria Along with, Dr.R.J Jani(H.O.D Automobile), Dr.N.M.Bhatt (H.O.D Mechanical) & The Supporting Faculty member Prof. Mazar Shaikh, Prof.Jayendra Vasani, Prof.Sulay Patel & Prof.Dhruv Panchal shared few words to increase Enthusiasm of the all the Participants.

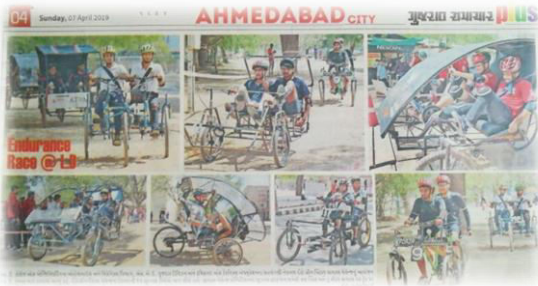
Mr.Sanjay Raval, a Motivational Speaker, gave guidenace to teams to be successful in there carrier.



At last EGVC-2019 Concluded with huge success due to hard work of all vouleenters and Core committee team.



Media Coverage & Glimpse of the EGVC



Thank you.