



## **A Brief report of Programme on The SunPedal Ride (Solar/Electric three wheeler)**

### **About The Program**

L.D College of Engineering –Ahmedabad & SAE INDIA-GUJARAT DIVISION-WS had organized awareness program on the Solar/Electric three wheeler at L D college of Engineering with support of the sun pedal ride group on 10<sup>th</sup> of June 2019.

The Sun pedal Ride-Golden Quadrilateral is journey on a retrofitted solar powered electric Auto rickshaw (tuk-tuk) and a support vehicle for 60 days and 6000 kilometres along India's Golden Quadrilateral. They start their ride in Bengaluru on 25th may 2019, and proceed to Mumbai, Delhi, Kolkata, and Chennai to finish finally in Bengaluru. They also cover Surat, Baroda, Ahmedabad, Jaipur, Gurgaon, Lucknow, Varanasi, Agra, Vizag, Nellore and Vellore.

The Vehicle was arrived in the campus of L d college of Engineering on 10<sup>th</sup> of June morning & then, the information about the solar vehicle was given to Students by the sun pedal Team. In further the whole design work of this vehicle was discussed between the sunpedal members & Faculties of the college, the sunpedal team discussed that this vehicle needs 6 unit of electricity to run the 1140 W motor. The BLDC motor is used in this rickshaw, they said we can obtain 2 unit powers directly from the solar energy & sometimes if vehicle gets direct sunlight for whole day then it will obtain 3 unit power from the solar energy. After 1 single full charge of battery the vehicle can run for 120 kilometres non-stop.the overall cost of this vehicle will between 3 to 4 lakhs rupees. Then after Students were Given the Knowledge about that how's the fossil fuels are damaging the climate of the Earth & how can we save the earth in future from this kind of the damages.

They also Discussed that India have a big reservoir source of the solar energy, they inspired the Students to work on solar energy field & also inspired to make our country & world free from pollution, in further they said that “A NITI Aayog report released in 2018 said India can save 64 per cent of anticipated passenger road-based mobility-related energy demand and 37 per cent of carbon emissions in 2030 by pursuing a shared, electric and connected mobility strategy. This, according to the report would result in a reduction of 156 million tonnes of oil equivalent (Mote) in diesel and petrol consumption for that year. At \$52/barrel (bbl.) of crude, this would imply a net savings of roughly Rs 3.9 lakh crore (approximately \$60 billion) in 2030.”

The dignitaries from SAEINDIA-GUJARAT DIVISION & L D COLLEGE OF ENGINNERING discussed technical aspects of Solar Vehicle and its benefits and future scope with Sun pedal team.

The Chairman of SAEINDIA-GUJARAT DIVISION W/S & Principal of L D College of Engineering Dr. G.P. Vadodariya Sir & HOD of Automobile Department Prof.Rajendra Jani, Specially Thanked the Sunpedal Team & students who joined this programme & took the pollution free ride of the Solar Vehicle With the Faculties of the College.

## Glimpse of this Programme





**The Sun Pedal Ride**



**Thank you**