

FORD ECOSPORT DONATED TO ROYAL COLLEGE OF ENGINEERING & TECHNOLOGY, AKKIKAVU THRISSUR

Ford The leading car company has donated a Ford EcoSport car to ROYAL COLLEGE OF ENGINEERING & TECHNOLOGY, akkikavu Thrissur on March 12, 2019. On behalf of college the vehicle was received by principal Dr. S.P.Subramanian and Mechanical HoD Mr. Sangeeth T S. The donated car will be used for study purposes for college students. The college got this vehicle through Ford Company's CSR (Corporate Social Responsibility) scheme. Ford's commitment to India is not just business centric. At the heart of the company's business plans are people and communities. With unwavering commitment to the country and its people, Ford's CSR initiatives are a reflection of its 'Go Further' journey in India. The college has always used this vehicle for study purposes as part of its Automobile engineering subject in the Mechanical engineering department.

The vehicle details

Physical VIN	Vehicle Specification	Vehicle Colour
MAJAXXMRKAHP40346	1.0L Fox GTDI, Titanium Plus, RHD & India	RACE RED



Vehicle specifications

Ford Ecosport 1.0 Ecoboost Titanium Plus is the top-spec trim in this line-up. The compact SUV has made its appearance in eight distinct color options. It gets a pair of silver colored roof rails, front as well as rear fog lamps and other such features. Its cabin looks beautiful with a dual tone scheme and a lot of chrome treatments. Moreover, this model includes leather dressed hand brake and electrochromic internal rear view mirror. The company also confers an automatic air conditioning unit, rain sensing wipers and much more. On the other hand, safety features are quite impressive as this variant has a total of six airbags, emergency brake assist and child protective seat. Mechanically, it incorporates a 999cc petrol engine that is paired to a 5-speed manual transmission and generates 123.24bhp. The auto maker is giving 2 years or 100000 Kilometers (whichever earlier) warranty on this utility vehicle. We have given below all its in-depth details for the aficionados.

Exteriors:

From the outside, this car is truly capable of getting customers' attention with a bundle of graceful cosmetics. It is furnished with chrome finished dual grille, while bumpers, ORVM's and door handles come in body color. Its head lamps feature signature light-guide and day time running lights as well. There is a defogger, wiper along washer that have been equipped to its rear windscreen. Other aesthetics include silver roof rails, rocker as well as bumper claddings, swing gate type outer handles, front and rear fog lights. The neatly done up wheel arches have been affixed with a set of classy 16-inch alloy based rims. These are further equipped with sturdy tubeless radials of size 205/60 R16. This SUV series has a tailgate mounted spare wheel, which is a standard feature across all the trims.

Interiors:

It renders a charming aspect with a dual tone (Charcoal Black and Dark Shadow Grey) interior. Leather covered seats, hand brake, steering wheel and gear shift knob are raising the sophistication. For driver's seat, there is armrest, footrest and adjustment facilities regarding height as well as lumbar support. It comprises of storage space under the co-passenger seat, sunglass holder, retractable and removable rear package tray. Moreover, this model has traveler vanity mirror along with lighting, height adjustable rear headrests, a 12 Volt front and rear power point. There is illumination inside the luggage compartment, which is 346 litres and can be extended up to 705 litres by folding its rear seat.

Engine and Performance:

The manufacturer has affixed a 1.0-litre Ecoboost petrol mill in context of making this vehicle capable of churning out an appreciable power of 123.34bhp at 6000rpm and torque of 170Nm between 1400 to 4500rpm. Mated to a 5-speed manual transmission, this mill has four cylinders and a displacement capacity of 999cc. Based on a direct injection fuel supply system, it gives 15.3 Kmpl in city and 18.88 Kmpl on highways. This trim can breach 100 Kmph from zero in 11 seconds and attains a top speed of 180 Kmph.

Braking and Handling:

Its front wheels have a pair of ventilated discs, while drum brakes are fitted to its rear ones. The front axle includes an independent McPherson strut with coil spring and anti-roll bar. However, its rear axle gets a semi independent twist beam with twin gas and oil filled shock absorbers. There is antilock braking system available to increase the efficiency of this mechanism.

Comfort Features:

There are courtesy lights at its front and rear, where the former one is equipped with two map reading lamps. All doors have power windows with the driver's one getting automatic up/down control. Furthermore, it has rain sensing wipers, push button engine start, automatic head lamps and air conditioning. Its glove box has cooling functionality, whereas external mirrors get power adjustment facility with turn indicators. Let's have a look at its infotainment system, it has 3.5 inch multi functional display, a high quality stereo unit and four speakers. For connectivity options, there are AUX-in, USB, CD/MP3 player and Bluetooth. This vehicle offers control buttons regarding phone and audio on its steering wheel. Besides these, it features SYNC applink, which also has a voice command functionality. The instrument cluster has various notifications like a tachometer, econometer, distance to empty (fuel tank), outside weather, average mileage and speed.

Safety features:

This variant bestows tremendous protection for its occupants with a total of six airbags, antilock braking system and electronic brakeforce distribution. ISOFIX is present to confer safe seating for kids, while sensors come fitted to its rear in order to help you do trouble-free parking. Moreover, it includes emergency brake assist, limited speed alarm in fuel computer, smart keyless entry and an engine immobilizer system.

Pros:

1. Sophisticated body design.
2. Appreciable comfort features.

Cons:

1. Price tag higher than its competition.
2. Cargo volume is slightly lesser than its rivals.

How we utilize the vehicle



Fig: A screenshot from video classes by Mr. GENO JOHN K Assistant professor/ME Dept. RCET

1. This vehicle is used for study related to the subject of Automobile Engineering in the Department of Mechanical Engineering.
2. The video classes given to the students about the vehicle mainly discuss about the engine of the vehicle and other workings.
3. Ford Company's latest technologies are discussed along with students' doubts about vehicles.
4. During this epidemic, very clear and unambiguous video classes are offered to students who are not able to see the vehicles directly.

Report prepared by
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