

DTU students make solar-powered car

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The Delhi Technological University's students have developed a full-fledged car that is driven on solar energy. The university will flag off the car on September 17. It will participate in the race organized by the World Solar Challenge in Australia in October.

DTU spokesperson Harish Tiwari said, "A team of students has developed a

solar-powered vehicle, Solaris. The solar car has been developed by a team of undergraduate students led by Dheeraj Misra under the supervision of Dr JP Kesari of the mechanical engineering department. The varsity is sending the car to represent India in the solar challenge next month. The car is expected to cover a distance of 3,000 miles from Darwin to Adelaide. It will be flagged off on September 17 by Delhi Chief Minister

Sheila Dikshit."

The heart of the Solaris car is made up of power electronics and batteries. The electrical component includes a high-powered brushless hub motor, a motor controller, a peak power controller and other parts. The battery is used as a back-up when the solar intensity is less.

The solar array will be the vehicle's only source of power during the marathon drive in the solar challenge.