ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY
Shobhavan Campus, Mijar, Moodbidri - 574225
(Affiliated to Visvesvaraya Technological University, Belagavi
Approved by AICTE, New Delhi & Recognized by Government of Karnataka)

Report on

"Go Green Glow Green - SET 3"

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DEPARTMENT OF MECHANICAL ENGINEERING

Go Green Glow Green - SET 3

Mr. Byre Gowda G and His team from Alva's Institute of Engineering and Technology have developed (as a part of his final-year project) a solar, electric, three-wheeler vehicle and called it **'Go Green Glow Green - SET 3'**. Unlike other vehicles, this one is weightless and corrosion free as the young innovators have designed it using aluminium alloy 6063 instead of iron or other heavy metals. The size of the vehicle is small too. While the length is five feet, its width is only three feet and its thickness is only one inch. The chassis vehicle is built using Aluminium alloy, which reduces weight to 50- 60 % compared to normal 3 wheeled vehicle and power by lithium battery, charged using solar panel. His team developed this vehicle that can be used in metro cities and contribute to keeping the environment green.

Mr. Byre Gowda G with his three wheeled solar vehicle

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Less fuel, more power!

Byre with his three wheeled solar vehicle

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Byre designed this vehicle as part of his diploma project in his final year. "I was given a choice do something that I felt would work. I conveyed the idea of this solar powered vehicle to my principal who supported me through out."

On how the vehicle works, Byre explains, "The car is fitted with solar panels on top. Once the sun rays falls on the solar panels, it then travels to the converter, the lighting panel, the battery and then to the BLDC Hub motor. The battery of the vehicle lasts for over 15 years withing the mileage of 70 to 80 kilometers for single rider. But for a double rider it will give about 65 kilometers."

Like other cars, which uses milesteel, Byre's solar powered car has used aluminium alloy 6063 making it lighter thereby enhancing the efficiency. "Once the vehicle is charged, how long it runs, depends on the road. It will give 80 kms for two to three hours."

Byre concludes by stating that if one wants to this three wheeled vehicle, they should be ready to shell out over Rs 1.5 lakhs. But the best thing about this vehicle is that it has zero maintenance.

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DECCAN HERALD

India to allot AP site to Russia for N-plant

'Go Green Glow Green' solar vehicle in B'luru

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Article Go Green Glow Green - SET 3 Published in Deccan herald News Paper

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Article Go Green Glow Green - SET 3 Published in Prajavavani News Paper

THE TIMES OF INDIA

Engg graduate who designed solar tri-wheeler hunts for job

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Article Go Green Glow Green - SET 3 Published in The Times India News Paper

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Article Go Green Glow Green - SET 3 Published in Vijay Karnataka News Paper

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