

BEAM Dragster Solar Robot with it's Strategic Winning Design Analysis for the Nexus Photroller Competition

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ABSTRACT

We are introducing a novel methodology that demonstrates the feasibility of the crystal oscillator as a solar engine. The design objective is to construct a solar robotic machine which uses the solar power as the only source of energy to race over 1000mm straight track in the minimum time spell. During the design and implementation phase, we have successfully introduced the application of the gold capacitor in the relaxation oscillator. This successful design not only beats Asia's 150 teams but also fetches the mind of the 10,000 techies from all over India.

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