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(57) Abstract :
ABSTRACT Our invention FC Lawn mower • is works on the principle of Fuel cell technology. Unlike the regular gasoline/ ethanol based lawn movers, which consume a lot and result are emissions harmful for the environment, this device consumes less, works more efficiently and its exhaust being water proves useful for the lawn and is ecofriendly. The lawn mowers though not quite popular in India, its market size was valued at USD 28.5 billion in 2019 and is expected to register a CAGR of 5.6% from 2020 to 2027. The market for lawn mowers has witnessed several developments in terms of technology and product over the past few years. The emergence of remote-controlled and GPS-equipped products has made gardening easier by making the equipment easy to track, monitor, and operate. But still most of them operate on carbon based fuels like ethanol/gasoline/kerosene, and a few on electric-powers. From the environmental perspective, the former account to an appreciable share in carbon emissions. While from the consumer perspective, the latter is worth a penny for a larger scale usage. To address both environmental and consumer perspectives is our FC lawn mower.

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