

Research Paper on Development of Android Controller Solar Grass Cutter Robot

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Abstract: Manual grass cutting requires man power, time and it may create non-uniform structure of grass height. Hence to avoid all these issues it is essential to create a system which can cut the grass without any human involvement. This research implements the grass cutting robot which has battery which can be charged by solar energy. This robot can be operated using android phone. This system can be created with minimum cost as compared to other existing systems. This system has additional features such as obstacle detection automatically avoid the obstacle and when the battery percentage is low it returns to its operator's location This is rugged, durable and maintenance free. This system is pollution free due to the use of solar energy to charge the battery.

Keywords: Android, Bluetooth, Grass Cutter, Solar Energy

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