

Development on Self Charging Solar Powered Drone

Rutika Bhusari¹, Kartik Yawalkar², Krutika Dhande³, Payal Paunekar⁴, Er. Anuradha Hiwase⁵

Guide, Department of Computer Science & Engineering¹

Students, Department of Computer Science & Engineering^{2,3,4,5}

Priyadarshini JL College of Engineering Nagpur, Maharashtra, India

Abstract: In this regard, the delivery method proved unaffordable, especially for the final mile. Businesses started looking for creative autonomous delivery options for the destination, such as autonomous unmanned aerial vehicles/drones, which are a viable alternative for the logistics industry, in order to stay competitive and satisfy the rising demand. Drone delivery systems have started to take off as a new way to lower delivery costs and delivery times in response to the success of drones in surveillance and remote sensing. Autonomous drone-sharing systems will become a necessary logistical solution in the upcoming years. We recommend a self-charging drone that can be used when necessary for a long period without needing to be charged for a long time. Through the implantation of solar plates, this will be achievable. The solar plates will gather energy from the sun and store it in a battery. The drone can then fly for a long time at night by using the stored batteries as a backup.

Keywords: Solar Energy, Drone, Flight, UAV, Camera, Analysis, investigation, research

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