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(54) Title of the invention : MICRO DRONE WITH PROXIMITY SENSING

		 (71)Name of Applicant : ()Dr. Aishwarya V. Associate Professor, Dept. of EEE, Paavai Engineering College (Autonomous), (Address of Applicant :Paavai Engineering College (Autonomous), Pachal, Namakkal District, Tamil Nadu, 637018
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(57) Abstract :

(5) Abstract: The major issue associated with drones is cost and there is a huge risk of damage while flying. The typical solution for this issue is the Mini drones with proximity sensor. This sensor is used for obstacle detection features using LIDAR (Light Detection and Ranging). This drone makes use of a Arduino pro mini to sense the proximity using LIDAR and operate the LED and buzzer accordingly. So, we get a low cost and lightweight micro drone, LED and Buzzer indications as per obstacle distance. That can take off from anywhere, fly indoors and gardens and it is less risky to fit in dense forest of tricky places and it senses the obstacles using LIDAR proximity sensor. Keywords: Drone frame, Arduino pro mini, LIDAR Module, Buzzer, Led, Drone Motors.

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