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Virtual Fencing in Agricultural Field

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Abstract: Internet of Things (IoT) is an ecologically associated with physical object that is accessible through the internet. IoT has an assortment of utilizations to be specific in smart agriculture, smart healthcare, smart retail, smart home, smart city, energy commitment, poultry and cultivating, smart water management, and for modern reason. In agriculture field, human-animal clash is a significant issue where monster measure of assets is evaporated, and human life will be in danger. Because of this farmer lose their harvests, animals, property, and at the times of their lives. So, this zone is to be checked consistently, to forestall section of wild creatures. Concerning this issue, this Project proposes a framework which will monitor the field. That is by identifying the intruder around the field by utilizing sensor, at that point camera will bind the picture of the intruder and classifies the image by using the image processing and machine-learning tool and afterward the appropriate activity will be upheld by the Esp-32 dependent on the kind of the intruder. At last the notification is sent to the farm owner

Keywords: Energy harvesting, clean and green energy, and piezoelectric and pyroelectric technology.

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