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(57) Abstract :
It has been estimated by the Food and Agriculture Organization that India loses forty percent of the food it produces every year as a result of food systems that are not connected to one another and inadequate supply networks. This loss takes place even before the digestive process starts. One solution to this issue is the implementation of intelligent cold storage systems for the purpose of storing and managing bulk commodities. Between the production and distribution stages, it facilitates the bulk handling of perishable items, with a particular focus on fruits and vegetables. It does this by adjusting a variety of different variables in order to keep the freshness of the objects in question. We are making use of the Internet to automate and simplify the process in order to get around the requirement that all traditional methods involve human participation. The chilli is often one of the vegetables that is thrown away in Telangana. But, only dswq2s of chilies will be the focus of this project's development. We intend to make use of the Internet of Things in order to track the precise location of the warehouse in real time, in addition to the temperature, the humidity, and other gases including LPG, CO, and methane. In the course of our work, we make use of a wide range of sensors in conjunction with the software known as Particle Cloud to facilitate the transmission of data from the node to the base station, where it is processed and then presented to the user via a webpage.

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