

WORLD IOT DAY-2022

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ABSTRACTION

Malnutrition denotes impairment of Health arising either from deficiency or excess or imbalance of Nutrients in the body. In today's fast food environment the adequacy of individual diet is questionable.

Sprouts are excellent source of proteins and nutrients. In the existing system sprouting of beans requires lots of process starting from soaking of cereals to growing it. In uncertain conditions like increasing moisture content, varying temperature the cereals may do not sprout. To overcome this kind of uncertainties sprout monitoring device can be used.

This automated sprout monitoring system is developed using IOT (Internet of things). The overall idea is to develop and prevent sprout spoilage or pre matured rate of sprouting. The sensor DTH 11 is used to monitor the temperature and humidity of closed system. The temperature maintained in the system is around (70 -80 F) and the humidity level is (30 – 40 %) in a closed environment.

The chamber is constructed as covered steel chamber with thermocol bended layer with proper air circulation. The data which are collected from the system are send to cloud.

BLOCK DIAGRAM

