

(54) Title of the invention : IOT BASED WAREHOUSE SAFEGUARD SYSTEM FOR HARVESTED AGRICULTURAL CROPS

<p>(51) International classification :B60S0001080000, G08B0017117000, H02B0001140000, E06B0009700000, H02B0001280000</p> <p>(31) Priority Document No :NA</p> <p>(32) Priority Date :NA</p> <p>(33) Name of priority country :NA</p> <p>(86) International Application No :NA</p> <p>Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number:NA</p> <p>Filing Date :NA</p> <p>(62) Divisional to Application Number :NA</p> <p>Filing Date :NA</p>	<p>(71)Name of Applicant :</p> <p>1)Dr. M. SHARMILA BEGUM</p> <p>Address of Applicant :ASSOCIATE PROFESSOR/COMPUTER SCIENCE AND ENGINEERING, PERIYAR MANIAMMAI INSTITUTE OF SCIENCE & TECHNOLOGY, VALLAM, THANJAVUR - 613403. Tamil Nadu India</p> <p>2)Mr. V. RAJKUMAR</p> <p>3)Ms. S.P. RAMYA</p> <p>4)Dr. P. ARUNA</p> <p>5)Ms. S. SUSEELA</p> <p>6)Mr. P. ILLANGOVAN</p> <p>7)Mr. M. CHANDRAKUMAR</p> <p>(72)Name of Inventor :</p> <p>1) Dr. M. SHARMILA BEGUM</p> <p>2)Mr. V. RAJKUMAR</p> <p>3)Ms. S.P. RAMYA</p> <p>4)Dr. P. ARUNA</p> <p>5)Ms. S. SUSEELA</p> <p>6)Mr. P. ILLANGOVAN</p> <p>7)Mr. M. CHANDRAKUMAR</p>
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(57) Abstract :

The purpose of our system is to protect the harvested grains during daytime. So here automatic door set up is to protect the grains. During the day time it senses the sun light and open the shutter automatically and allow the sun light into the grains. At the same time it senses the dark at the night time and closes the shutter automatically. This was done by the pneumatic cylinder and solenoid valve. During rainy season the rain sensor helps to sense the rain water and it gives the signal to control unit. Then the shutter will not open. Relay is used to control the shutter motor. The fire alarm is used to prevent the fire accident by any electrical fault or anything will happen. A gas sensor is a device that detects the occurrence of gases in an area, often as part of a safety system.

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