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(54) Title of the invention : SYSTEM AND METHOD FOR DETECTING AND SENSING OF CATTLE INDEMNITY IN REAL-TIME

<p>(51) International classification :G06Q0030020000, G08B0021240000, H02J0013000000, G09B0019000000, G01S0015931000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)CMR College of Engineering & Technology, Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India. ----- 2)K. SREEJA 3)M. SAI KRISHNA 4)K. ROHITH 5)N. ANURADHA 6)SHAUK ANAS 7)Md. Asma 8)G.Karthik Reddy 9)B.Venkateshwar Rao 10)B. Shirisha 11)K.Ravikiran 12)Archana Bathula Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)K. SREEJA Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India. ----- 2)M. SAI KRISHNA Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India. ----- 3)K. ROHITH Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India. ----- 4)N. ANURADHA Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India. ----- 5)SHAUK ANAS Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India. ----- 6)Md. Asma Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India. ----- 7)G.Karthik Reddy Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India. ----- 8)B.Venkateshwar Rao Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India. ----- 9)B. Shirisha Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India. ----- 10)K.Ravikiran Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India. ----- 11)Archana Bathula Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India. -----</p>
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(57) Abstract :
Exemplary embodiments of the present disclosure are directed towards the real-time detection and sensing for cattle indemnity. The cattle indemnity detecting and sensing apparatus comprises of an ultrasonic sensor installed in a strategic location to detect any motion caused by the animal. Further, the Arduino board, a microcontroller, receives the signal from the ultrasonic sensor and processes it according to the programmed instructions through a SIM800L module. Further, the SIM800L module, a modem, allows for communication between the Arduino board and a mobile phone network. Further, the mobile phone receives the message from the SIM800L module, alerting the owner or cattlemen of the animal intrusion. FIG. 1

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