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(54) Title of the invention : SELF CHECK-OUT SHOPPING TROLLEY

<p>(51) International classification :G06K0007100000, B62B0003140000, G07G0001000000, A61B0005010000, G06K0007000000</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)A. Kavya 3)K. Satvika 4)D. Sai Sujan 5)D. Ajay Kumar 6)T. Abhinav Singh 7)Kayyam Sathish 8)B.Kondalu 9)K.Raju 10)S.Suresh 11)K.Ravikiran Name of Applicant : NA Address of Applicant : NA (72)Name of Inventor : 1)A. Kavya Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India ----- 2)K. Satvika Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India ----- 3)D. Sai Sujan Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India ----- 4)D. Ajay Kumar Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India ----- 5)T. Abhinav Singh Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India ----- 6)Kayyam Sathish Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India ----- 7)B.Kondalu Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India ----- 8)K.Raju Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India ----- 9)S.Suresh 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 -----</p>
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(57) Abstract :
Exemplary embodiments of the present disclosure are directed towards a self check-out shopping trolley. A self check-out shopping trolley comprises of an Arduino Uno comprising an open-source microcontroller board connected via a type B USB cable to the LCD screen and display. Further, the LCD screen and display wherein the LCD display comprising liquid crystal thereby producing a visible image of the product details from the RFID reader. Further, the RFID reader comprising three components: a scanning antenna, a transceiver and a transponder, wherein, the RFID reader scans the product and displays the details on LCD screen. Further, a buzzer configured to beep once the product scanning is successful. Finally, a GSM module, comprising a chip or circuit wherein the GSM module is used to establish communication between a mobile device or a computing machine for receiving the bill. FIG. 2

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