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<p>(51) International classification :A61B0005010000, G06F0003048400, F24F0110200000, G06F0003048200, A61B0005020500</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 : <b>1)Vishal Yadav</b> Address of Applicant :Department of Electronics and Telecommunication Engineering, Ramrao Adik Institute of Technology, DY Patil deemed to be University, Sector 7, Phase 1, Nerul, Navi Mumbai 400706, INDIA Mumbai -----</p> <p><b>2)Shreekrishna Sable</b> <b>3)Yakshatha Poojari</b> <b>4)Sahil Amol Shinde</b> <b>5)Ganesh Baliram Ingale</b> <b>6)Ramrao Adik Institute of Technology, DY Patil deemed to be University</b> Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : <b>1)Vishal Yadav</b> Address of Applicant :Department of Electronics and Telecommunication Engineering, Ramrao Adik Institute of Technology, DY Patil deemed to be University, Sector 7, Phase 1, Nerul, Navi Mumbai 400706, INDIA Mumbai -----</p> <p><b>2)Shreekrishna Sable</b> Address of Applicant :Department of Electronics and Telecommunication Engineering, Ramrao Adik Institute of Technology, DY Patil deemed to be University, Sector 7, Phase 1, Nerul, Navi Mumbai 400706, INDIA Mumbai -----</p> <p><b>3)Yakshatha Poojari</b> Address of Applicant :Department of Electronics and Telecommunication Engineering, Ramrao Adik Institute of Technology, DY Patil deemed to be University, Sector 7, Phase 1, Nerul, Navi Mumbai 400706, INDIA Mumbai -----</p> <p><b>4)Sahil Amol Shinde</b> Address of Applicant :Department of Electronics and Telecommunication Engineering, Ramrao Adik Institute of Technology, DY Patil deemed to be University, Sector 7, Phase 1, Nerul, Navi Mumbai 400706, INDIA Mumbai -----</p> <p><b>5)Ganesh Baliram Ingale</b> Address of Applicant :Department of Electronics and Telecommunication Engineering, Ramrao Adik Institute of Technology, DY Patil deemed to be University, Sector 7, Phase 1, Nerul, Navi Mumbai 400706, INDIA Mumbai -----</p>
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(57) Abstract :

The present invention provides a system for auto-configuration of multiple sensors in a device which is comprises of a processing unit for processing the sensed data and controlling the function of the said system, and the said processing unit is comprises of a microcontroller, storage unit and a displaying unit; a communicating interface module for allowing the said processing unit to receive and transmit the input data; a plurality of sensors; a primary and a secondary multiplexer; a wireless communication network; and a user device comprises of a display unit, storage unit and a user interface. The said system allows an easy plug and play configuration of sensors, eliminating the need of coding knowledge. The said system can dynamically read and monitor the parameters of all connected sensors in real-time, displaying them for easy tracking and analysis. A process of auto-configuration of multiple sensors in a device is also provided in the present invention.

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