

(54) Title of the invention : 360 DEGREE ELDER PERSON'S HEALTH MONITORING SYSTEM USING MACHINE LEARNING

<p>(51) International classification :A61B0005000000, A61B0005024000, G06Q00050220000, A61B0005020500, G08B0021040000</p> <p>(86) International Application No Filing Date :NA :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number Filing Date :NA :NA</p> <p>(62) Divisional to Application Number Filing Date :NA :NA</p>	<p>(71)Name of Applicant :  <b>1)NARAYANANAN MADESHAN</b>  Address of Applicant :Dr.M.Narayanan Plot No: 3-167/B-10/B, G Floor, Sri Ram Nagar, Sri Krishna Nagar Road, Suraram Village, Suraram, Qutubullapur, IDA Jeedimetla, Medchal–Malkajgiri District, Hyderabad, Telangana Pin: 500055</p> <p>-----</p> <p><b>2)Dr. GOVINDA RAJULU.G</b>  <b>3)DANDU SRINIVAS</b>  Name of Applicant : NA  Address of Applicant : NA</p> <p>(72)Name of Inventor :  <b>1)Dr.M.NARAYANAN</b>  Address of Applicant :Professor &amp; HOD Department of CSE St. Martin's Engineering College, Secunderabad, Telangana, India -----</p> <p><b>2)Dr. GOVINDA RAJULU.G</b>  Address of Applicant :Professor Department of CSE St. Martin's Engineering College, Secunderabad, Telangana, India -----</p> <p><b>3)Dr. JAYAPRAKASH CHINNADURAI</b>  Address of Applicant :Professor, Department of CSE Malla Reddy College of Engineering for Women, Hyderabad, Telangana, India -----</p> <p><b>4)Dr. SASIKALA DHAMODARAN</b>  Address of Applicant :Professor Department of CSE, JB Institute of Engineering and Technology, Hyderabad, Telangana, India -----</p> <p><b>5)Dr.N.SHANMUGASUNDARAM</b>  Address of Applicant :Professor, Department of ECE, Sri Eshwar College of Engineering, Coimbatore, Tamil Nadu, India -----</p> <p><b>6)Dr. PAMMI VENKATA SATYA SIVA PRASAD</b>  Address of Applicant :Snehapuri Colony, Nagole, Hyderabad, Telangana, India ---</p> <p>-----</p> <p><b>7)DANDU SRINIVAS</b>  Address of Applicant :Assistant Professor Department of CSE St. Martin's Engineering College, Secunderabad, Telangana, India -----</p> <p><b>8)Dr.T.SARAVANAN</b>  Address of Applicant :Associate Professor Department of CSE St. Martin's Engineering College, Secunderabad, Telangana, India -----</p> <p><b>9)Dr. K. SRINIVAS</b>  Address of Applicant :Associate Professor Department of CSE St. Martin's Engineering College, Secunderabad, Telangana, India -----</p> <p><b>10)E. SOUMYA</b>  Address of Applicant :Assistant Professor Department of CSE St. Martin's Engineering College, Secunderabad, Telangana, India -----</p> <p><b>11)N.BALARAMAN</b>  Address of Applicant :Assistant Professor Department of CSE St. Martin's Engineering College, Secunderabad, Telangana, India -----</p>
--	--

(57) Abstract :  
360 DEGREE ELDER PERSON'S HEALTH MONITORING SYSTEM USING MACHINE LEARNING ABSTRACT One of the Main Challenges fronting the World in the 21st Century has been the surge in the elderly population in Developed Countries and Developing Countries like India. According to the Population Reference Bureau, over the following last 20 years, the 65-and over population in the technologically advanced nations will become almost 20% of the total population. Hereafter need to afford quality care and service in these countries for a quickly growing population of elderly people, while reducing the healthcare costs is a vital issue for governments and well-being service providers in such nations. Health of Elder person [101] nursing is very vital in the current age because of the well be staying alone in home and various places. The various health monitor considers such as Body Temperature by using Body temperature sensor [104] and location is noted by using GPS sensor [102], also collecting the heartbeat of elder person by using Heart beat Sensor [103]. GPS Sensor [102] collect the information in the form of Longitude and Latitude of Elderly person [101], like standing or fall down and exact position. All these health-related information collected from the sensors and processed in IoT Setup [105], this information are sent to cloud storage [106]. The Threshold value [108] of the health record is considered by if the body temperature is greater than 100 degrees Celsius and location or if the heartbeat is greater than 170 BPM and GPS location with their latitude and longitude these data is sent to the nearest Hospital [109] and to the Doctor [110], nearest Police Station [111], Insurance Company [112], to near and dear Relatives [113] and NGO [114] so has taken necessary action based on the information available to the Person. The Machine Learning Algorithm is used to monitor the health of elder people and it can send the health information some abnormalities that occur to that elder person will be sent to the nearest hospital and police station, insurance company, and NGO and relatives respectively. Figure related to the abstract is Fig. 6.1

No. of Pages : 33 No. of Claims : 8