

(54) Title of the invention : EARLY STRESS DETECTION AND MONITORING SYSTEM USING THE MACHINE LEARNING APPROACHES INTEGRATED WITH INTERNET OF THINGS

<p>(51) International classification :G06N002000000, G06N0003080000, G06N0003040000, A61B0005145000, A61B0005000000</p> <p>(86) International Application No Filing Date :PCT// :01/01/1900</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)Dr KOTINA SHRIDEVI</b>  Address of Applicant :PROFESSOR , DEPT OF COMMUNITY MEDICINE, MALLA REDDY MEDICAL COLLEGE FOR WOMENS. SY NO. 138, SURARAM MAIN ROAD, GHMC QUTHBULLAPUR, HYDERABAD, TELANGANA - 500055 HYDERABAD -----  <b>2)Dr. R. RAJKUMAR</b>  <b>3)Mr. M. OM PRAKASH</b>  <b>4)Dr. J. LYDIA</b>  <b>5)Dr.SAHABUL ALAM</b>  <b>6)PRASHANT RAMDAS KOKIWAR</b>  <b>7)Dr. BRAMAH HAZELA</b>  <b>8)Dr. D J SAMATHA NAIDU</b>  <b>9)Dr. L. JUBAIR AHMED</b>  <b>10)Dr. VIJAY KUMAR SALVIA</b>  <b>11)MOHD ASIF SHAH</b>  <b>12)Prof. PRASHANT ADSULE</b>  Name of Applicant : NA  Address of Applicant : NA  (72)Name of Inventor :  <b>1)Dr KOTINA SHRIDEVI</b>  Address of Applicant :PROFESSOR , DEPT OF COMMUNITY MEDICINE, MALLA REDDY MEDICAL COLLEGE FOR WOMENS. SY NO. 138, SURARAM MAIN ROAD, GHMC QUTHBULLAPUR, HYDERABAD, TELANGANA - 500055 HYDERABAD -----  <b>2)Dr. R. RAJKUMAR</b>  Address of Applicant :PG AND RESEARCH DEPARTMENT OF COMMERCE, ST. JOSEPH'S COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS), (AFFILIATED TO ANNAMALAI UNIVERSITY), CUDDALORE-607001, CUDDALORE -----  <b>3)Mr. M. OM PRAKASH</b>  Address of Applicant :DEPARTMENT OF BUSINESS ADMINISTRATION (CA), ST. JOSEPH'S COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS), (AFFILIATED TO ANNAMALAI UNIVERSITY), CUDDALORE-607001, CUDDALORE -----  <b>4)Dr. J. LYDIA</b>  Address of Applicant :PG AND RESEARCH DEPARTMENT OF COMMERCE, BISHOP HEBER COLLEGE (AUTONOMOUS) (AFFILIATED TO BHARATHIDASAN UNIVERSITY), TIRUCHIRAPPALLI-620017 TIRUCHIRAPPALLI -----  <b>5)Dr.SAHABUL ALAM</b>  Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, BRAINWARE UNIVERSITY, 398, RAMKRISHNAPUR RD, NEAR JAGADIGHATA MARKET, BARASAT, KOLKATA, WEST BENGAL. PIN- 700125 BARASAT -----  <b>6)PRASHANT RAMDAS KOKIWAR</b>  Address of Applicant :PROFESSOR AND HOD, DEPT OF COMMUNITY MEDICINE, MALLA REDDY INSTITUTE OF MEDICAL SCIENCES, SY NO. 138, SURARAM MAIN ROAD, GHMC QUTHBULLAPUR, HYDERABAD, TELANGANA 500055 HYDERABAD -----  <b>7)Dr. BRAMAH HAZELA</b>  Address of Applicant :ASSISTANT PROFESSOR, AMITY SCHOOL OF ENGINEERING AND TECHNOLOGY LUCKNOW, AMITY UNIVERSITY UTTAR PRADESH LUCKNOW -----  <b>8)Dr D J SAMATHA NAIDU</b>  Address of Applicant :PRINCIPAL ANNAMACHARYA PG COLLEGE OF COMPUTER STUDIES RAJAMPET ANNAMAYYA DISTRICT ANDHRA PRADESH 516126 RAJAMPET -----  <b>9)Dr. L. JUBAIR AHMED</b>  Address of Applicant :PROFESSOR, DEPARTMENT OF ECE, AKSHAYA COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE, 642109, COIMBATORE -----  <b>10)Dr VIJAY KUMAR SALVIA</b>  Address of Applicant :PROFESSOR DIRECTOR ECE RESEARCH INNOVATION START UP UNIVERSITY REGD INDORE MP INDIA 452018 INDORE -----  <b>11)MOHD ASIF SHAH</b>  Address of Applicant :ADJUNCT FACULTY, SCHOOL OF BUSINESS, WOXXEN UNIVERSITY, KAMKOLE, SADASIVPET, HYDERABAD, TELANGANA, 502345, INDIA. HYDERABAD -----  <b>12)Prof. PRASHANT ADSULE</b>  Address of Applicant :AJEENKYA D Y PATIL UNIVERSITY-SCHOOL OF HOTEL MANAGEMENT, PUNE- 412105 PUNE --- -----</p>
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(57) Abstract :  
Early stress detection and monitoring system using the machine learning approaches integrated with Internet of Things is the proposed invention. The proposed invention focuses on implementing algorithms of machine learning for early stress detection. The techniques of Internet of Things are also used along machine learning for continuously monitoring and managing stress.

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