

(54) Title of the invention : ADVANCED EMBEDDED TECHNOLOGY AND MACHINE LEARNING BASED MEDICAL WASTE SEGREGATION SYSTEM

<p>(51) International classification :B09B0003000000, A61L0011000000, G06Q0050260000, C05D0009000000, B65F0005000000</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)A. RANGAMMA Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY, FACING MAIN ROAD, SHERIGUDA, IBRAHIMPATAN, TELANGANA, INDIA 501 510. -----</p> <p>2)C. SRAVANI 3)VASPARI KALYANI 4)ANUSHA MERUGU 5)GUBBALA CHANAKYA 6)PUSARLA SAMYUKTHA 7)RAMARAO GOSE 8)V. RAVI KUMAR Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)A. RANGAMMA Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY, FACING MAIN ROAD, SHERIGUDA, IBRAHIMPATAN, TELANGANA, INDIA 501 510. -----</p> <p>2)C. SRAVANI Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING & TECHNOLOGY, VILLA NO. 20, SKK ENCLAVE, BESIDE BHARATH PETROL BUNK, NIZAMPET ROAD, BACHUPALLY, HYDERABAD, TELANGANA, INDIA 500 090. -----</p> <p>3)VASPARI KALYANI Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF INTERNET OF THINGS, SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY, FACING MAIN ROAD, SHERIGUDA, IBRAHIMPATAN, TELANGANA, INDIA 501 510. -----</p> <p>4)ANUSHA MERUGU Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, ANURAG ENGINEERING COLLEGE, ANANTAGIRI, SURYAPET (DISTRICT), HYDERABAD, TELANGANA, INDIA 508 206. -----</p> <p>5)GUBBALA CHANAKYA Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF INFORMATION TECHNOLOGY, VIGNAN INSTITUTE OF TECHNOLOGY AND SCIENCE, DESHMUKHI(V), POCHAMPALLY(M), YADADRI- BHUVANAGIRI DISTRICT, HYDERABAD, TELANGANA, INDIA 508 284. -----</p> <p>6)PUSARLA SAMYUKTHA Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, VASAVI COLLEGE OF ENGINEERING, 9-5-81, IBRAHIMBAGH, HYDERABAD, TELANGANA, INDIA 500 031. -----</p> <p>7)RAMARAO GOSE Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, CHRISTU JYOTHI INSTITUTE OF TECHNOLOGY AND SCIENCE, COLOMBO NAGAR, YESHWANTHAPUR (VILLAGE), JANGAON, ANDAGOLI, JANGAON (DISTRICT), TELANGANA, INDIA 506 167. -----</p> <p>8)V. RAVI KUMAR Address of Applicant :ASSOCIATE PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, ACE ENGINEERING COLLEGE, ANKUSHAPUR, GHATKESAR MANDAL, MEDCHAL DISTRICT, TELANGANA, INDIA 501 301. -----</p>
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(57) Abstract :

Abstract Garbage collection might be a huge source of concern in today's culture. The method utilized to eliminate a large amount of produced garbage has an environmental impact. Unloading garbage in the open at dump sites may be a widespread practise. This strategy has an impact on both human health and the health of plants and animals. The hazardous waste disposal process pollutes both surface and groundwater. It is capable of producing disease vectors that spread dangerous illnesses. In India, the diversity of medical waste is becoming a worry. Unintentionally deposited waste creates a mess that is difficult to clean up on the fringes of cities and other urban regions. The manual labor required under the current system may lead the individual in question to be constantly unwell. The laudable aims of the proposed framework include promoting an automated system to save many people's lives and build a cleaner, greener earth. To overcome such issues, an automatic waste segregator is employed in the emergency department and healthcare institution. Because we utilize sensors to recognize and segregate different forms of waste. This information can also be sent to the head or the person in control through message utilizing a cloud-based regulator.

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