

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/05/2023

(21) Application No.202341034499 A

(43) Publication Date : 30/06/2023

(54) Title of the invention : HOSPITAL MORTALITY PREDICTION USING AI PROCESS

(71)Name of Applicant :

1)Mr. D. Rethesh

Address of Applicant :Assistant Professor, Dept Of CSE, Velammal Institute of technology, Chennai- kolkotta National highway, Panchetti, ponneri, Thiruvallur (DT)-601204 -----

2)Bollineni Sreeja

3)Eigateela Nikhila

4)Jaladanki Sucharitha

5)SURYA.R

6)SURYA.K

7)SUBASH.M

8)KESHAV.J

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Mr. D. Rethesh

Address of Applicant :Assistant Professor, Dept Of CSE, Velammal Institute of technology, Chennai- kolkotta National highway, Panchetti, ponneri, Thiruvallur (DT)-601204 -----

2)Bollineni Sreeja

Address of Applicant :UG Scholar, Dept Of CSE, Velammal Institute of technology, Chennai- kolkotta National highway, Panchetti, ponneri, Thiruvallur (DT)-601204 -----

3)Eigateela Nikhila

Address of Applicant :UG Scholar, Dept Of CSE, Velammal Institute of technology, Chennai- kolkotta National highway, Panchetti, ponneri, Thiruvallur (DT)-601204 -----

4)Jaladanki Sucharitha

Address of Applicant :UG Scholar, Dept Of CSE, Velammal Institute of technology, Chennai- kolkotta National highway, Panchetti, ponneri, Thiruvallur (DT)-601204 -----

5)SURYA.R

Address of Applicant :UG Scholar, Dept Of CSE, Velammal Institute of technology, Chennai- kolkotta National highway, Panchetti, ponneri, Thiruvallur (DT)-601204 -----

6)SURYA.K

Address of Applicant :UG Scholar, Dept Of CSE, Velammal Institute of technology, Chennai- kolkotta National highway, Panchetti, ponneri, Thiruvallur (DT)-601204 -----

7)SUBASH.M

Address of Applicant :UG Scholar, Dept Of CSE, Velammal Institute of technology, Chennai- kolkotta National highway, Panchetti, ponneri, Thiruvallur (DT)-601204 -----

8)KESHAV.J

Address of Applicant :UG Scholar, Dept Of CSE, Velammal Institute of technology, Chennai- kolkotta National highway, Panchetti, ponneri, Thiruvallur (DT)-601204 -----

(51) International classification :C02F 030000, C07K 147050, G01N 332800, G16H 402000, H04L 091400

(86) International Application No :PCT//
Filing Date :01/01/1900

(87) International Publication No: NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

(57) Abstract :

In medicine, the term mortality used for death rate, or the number of deaths in a certain group of people in a certain period of time. Hospital mortality is defined as percentage of patients with disease who died in the hospital. The proposed method is to build a machine learning model capable of classifying whether the person will survive or not. Different algorithms are compared and the best model is used for predicting the outcome. Medical data is collected and used for training the machine. This method is used to analyse complex medical data helping the professionals.

No. of Pages : 9 No. of Claims : 7