

(54) Title of the invention : A MODEL TO PREDICT VITAL SIGN USING MACHINE LEARNING

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## (71)Name of Applicant :

**1)Dr.M.S.Nidhya**

Address of Applicant :Associate Professor, Department of IT, School of CS & IT, Jain(Deemed-to-be University), Bangalore, Karnataka, India 560069. -----

**2)Dr.A.Kannagi****3)Dr.R.Arumugam****4)Dr A.Arul Mary****5)Mrs.M.Rajathi****6)Mrs.S.Manjula**

Name of Applicant : NA

Address of Applicant : NA

## (72)Name of Inventor :

**1)Dr.M.S.Nidhya**

Address of Applicant :Associate Professor, Department of IT, School of CS & IT, Jain(Deemed-to-be University), Bangalore, Karnataka, India 560069. -----

**2)Dr.A.Kannagi**

Address of Applicant :Associate Professor, Department of IT, School of CS & IT, Jain(Deemed-to-be University), Bangalore, Karnataka, India 560069. -----

**3)Dr.R.Arumugam**

Address of Applicant :Assistant Professor, Department of Mathematics, Periyar Maniammai Institute of Science and Technology, Thanjavur , Tamilnadu, India 613403. -----

**4)Dr A.Arul Mary**

Address of Applicant :Assistant professor, Annai Vailankanni arts and science college, Thanjavur, Tamil Nadu, India 613006. -----

**5)Mrs.M.Rajathi**

Address of Applicant :Assistant Professor, Department of Software Engineering, Periyar Maniammai Institute of Science and Technology, Thanjavur , Tamil Nadu, India 613403. -----

**6)Mrs.S.Manjula**

Address of Applicant :Assistant Professor, Department of Software Engineering, Periyar Maniammai Institute of Science and Technology, Thanjavur , Tamil Nadu, India 613403. -----

## (57) Abstract :

ABSTRACT OF THE INVENTION Vital Sign Prediction (VSP) model will predict the symptoms of the patient by continuous monitoring wearable devices. It predicts a vital sign in two intervals one is time interval of data collection and interval between min and max value moments. The mean, median, max, min and standard deviation computed for each set of vital sign. A collection of three to four features were extracted per vital sign. Our model will predict future values of monitored vital sign. Each set train logistic regression model, Incidence based learning algorithm (IBL) predicts the future sign or symptoms and inform to the medical advisor as earlier as possible. Our model will predict Mean arterial pressure, heart rate, respiratory rate and temperature.

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