

(54) Title of the invention : A METHOD FOR AVOIDING REDUNDANT TRANSMISSION OF DATA MESSAGES IN COMMUNICATION USING MACHINE LEARNING

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(71)Name of Applicant :
1)Dr. Anurag Vijay Agrawal
 Address of Applicant :Consultant, E & ICT Academy, Indian Institute of Technology Roorkee, Roorkee, Uttarakhand, India, Pin - 247667 -----
 -
2)Mr. V Siva Bhaskara Rao
3)Mrs.S.Tamilselvi
4)Mrs. K.Mekala
5)Dr. S. Meenakshi
6)Dr. Shankar R.
7)Premkumar R
 Name of Applicant : NA
 Address of Applicant : NA

(72)Name of Inventor :
1)Dr. Anurag Vijay Agrawal
 Address of Applicant :Consultant, E & ICT Academy, Indian Institute of Technology Roorkee, Roorkee, Uttarakhand, India, Pin - 247667 -----
 -
2)Mr. V Siva Bhaskara Rao
 Address of Applicant :Associate Professor, Department of Electronics and Communication Engineering, Avanthi Institute of Engineering and Technology, Cherukupally Village, Beside Tagarapuvalasa Bridge, Bhogapuram Mandal, Vizianagaram-531162 -----
3)Mrs.S.Tamilselvi
 Address of Applicant :Assistant Professor, Department of Electronics and Communication Engineering, J.K.K.Nattraja College of Engineering and Technology, Kumarapalayam, Namakkal- 638183 -----
4)Mrs. K.Mekala
 Address of Applicant :Assistant Professor, Department of Electronics and Communication Engineering, J.K.K.Nattraja College of Engineering and Technology, Kumarapalayam-638183 -----
5)Dr. S. Meenakshi
 Address of Applicant :Associate Professor, Department of S&H (General Engineering), R.M.K Engineering College, Kavaraipettai - 600095 -----

6)Dr. Shankar R.
 Address of Applicant :Professor, Department of Electronics and Communication Engineering, Teegala Krishna Reddy Engineering College (Autonomous), Meerpet, Hyderabad, Pincode-500097 -----
7)Premkumar R
 Address of Applicant :Associate Professor, Department of Electronics and Instrumentation Engineering, Sri Sairam Engineering College, Sai Leo Nagar, West Tambaram 600044, Chennai, Tamil Nadu -----

(57) Abstract :

The present invention proposes a solution for avoiding redundant transmission of data messages in communication using machine learning. The approach involves analysing historical data transmission patterns and the characteristics of the data message to determine the likelihood that the message has already been received by the target device. If the likelihood exceeds a predetermined threshold, the transmission of the message is suppressed to avoid redundancy. The machine learning model used in this method is continually updated based on the results of the suppression of the transmission of the data message, leading to improved accuracy in the future. The benefits of this approach include bandwidth optimization, improved efficiency, reduced network congestion, cost savings, and improved machine learning analysis. This method can be useful in situations where bandwidth is limited or costly, and organizations need to reduce data transmission costs and improve communication system efficiency.

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