❖ **Refereed Journals**

➢ A.Parvathy, **N. Hemavathi**, Chelliah, Pethuru Raj, Rayappan, John Bosco Balaguru, Amirtharajan Rengarajan, „Deep Neural Network Classification Framework for Grade Based Student learning using Radio Frequency Identification", ***IEEE Transactions on Learning Technologies*** (Under Review).

➢ Deepak.R.U, **N.Hemavathi**, R.Sriranjani, A.Parvathy and M.Meenalochani, „Early Prediction of Breast Cancer through Machine Learning with Minimal Features", Published in Proc. of ***6th International Conference on Information Technology & Society 2020, Malaysia, Malaysian Journal of Information and Communication Technology, Accepted for Publication.***

➢ **N.Hemavathi**, M.Meenalochani, R.Janani, Sunkavalli Sai Chandana and Amrita Sona P.R, „Machine Learning Based Vehicle Health Monitoring System", Published in Proc. of ***6th International Conference on Information Technology & Society 2020, Malaysia, Malaysian Journal of Information and Communication Technology, Accepted for Publication.***

➢ **N.Hemavathi,** M.Meenalochani and S.Sudha, „Influence of Received Signal Strength on Prediction of Cluster Head and Number of Rounds", ***IEEE Transactions on Instrumentation & Measurement,*** June 2020, Vol. 69, No. 6, pp.3739-3749, DOI 10.1109/TIM.2019.2932652.

➢ M.Meenalochani, **N.Hemavathi** and S.Sudha, „Performance Analysis of Iterative Linear Regression based Clustering in Wireless Sensor Networks", ***IET Science, Measurement & Technology,*** , 2020, Vol. 14 Iss. 4, pp. 423-429, DOI 10.1049/iet-smt.2019.0258.

➢ Parvathy Arulmozhi, **N.Hemavathi**, JBB Rayappan and Pethuru Raj, „ALRC: A Novel Adaptive Linear Regression based Classification for Grade based Student Learning using Radio Frequency Identification", ***Wireless Personal Communications, Springer***, 112, 2020, pp. 2091-2107, DOI 10.1007/s11277-020-07141-4.

➢ **N.Hemavathi**, Shobhit Kumar Nagpal and S.Sudha, „A Study on the Impact of Rate of recurrent Communication of Sensor Node on Network Lifetime in a Wireless Sensor Network", ***IET Science, Measurement & Technology,*** July 2017, Volume 11, Issue 4, pp. 473 – 479, DOI 10.1049/iet-smt.2016.0290.

➢ **N.Hemavathi** and S.Sudha, „A Novel Regression based Clustering Technique for Wireless Sensor Networks", ***Wireless Personal Communications, Springer***, June 2016, Volume 88, Issue 4, pp.985-1013, DOI 10.1007/s11277-016-3226-8.

❖ **International Conferences/ Workshops**

➢ **N.Hemavathi** and S.Sudha, „Hardware Realization of Fuzzy based Cluster Head Selection in Wireless Sensor Networks", International Conference on Electronic Design, Computer Networks & Automated Verification, Shillong, India, 2015, pp.28-33, January 2015.

➢ **N.Hemavathi**, R.Jagabar Nachiyar, R.Manimozhi and V.Meena, „Implementation of Smart Navigation System for Visually Impaired Using Sensors", International Conference on Engineering, Energy & Environment, Trichy, India,2017.

➢ A. Valliammai, U. Bavatharinee, K. Shivadharshini, **N. Hemavathi**, M. Meenalochani and R. Sriranjani, „A Comprehensive Study on Distributed Denial of Service Attacks in Internet of Things Based Smart Grid", Lecture Notes on Data Engineering and Communications Technologies Book Series, **Springer** (LNDECT, Volume 38), 2020, pp. 685–691.

❖ **National Conferences:**

➢ U.R.Umakanth, B.Insathullah , S.Kalishvaran and **N.Hemavathi,** „Implementation of Eye and Gesture Based Wheelchair Control for Physically Challenged Person", „National Conference on Modeling, Analysis & Simulation Techniques in Engineering Research", 2018.