



V. CONCLUSION

This work analyses the prediction of SWH using Correlation Coefficient (CC) and Mean Square Error (MSE) for Feed Forward and Recurrent Neural Networks using Levenberg Marquardt (LM), Conjugate Gradient (CG) and Bayesian Regularization (BR) training algorithms. One year data from moored buoy of Bay of Bengal was used to train the network and the second year data was predicted. It is observed that the Recurrent Neural Network using Bayesian Regularization algorithm performed better compared to other algorithms having a correlation coefficient of 0.8805 and a MSE of 0.13282. Results also indicate that the higher and lower values of SWH were similarly predicted in most of the case. However, the performance of the ANN needs to be further improved for accurate prediction.

ACKNOWLEDGMENT

The authors would like to thank National Institute of Ocean Technology (NIOT), Pallikaranai, Chennai for providing data for this research work.

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