

Sea-Way Border Alert System Based on Machine Learning and RSSI

Mr. S. Parthasarathi, Chandru. M, Polisetty Chinmay, Narendraprasath. V

Department of Electronics and Communication Engineering
Dhanalakshmi College of Engineering, Tambaram, Chennai

Abstract: In any climatic circumstances and at any time, wherever, Received Signal Strength Indication (RSSI) technology is used to deliver location-based positioning and timing details. This approach concentrates on putting a border identification system in place for all boats. The current system, though, is insufficient to stop crimes against fisherman. The suggested system's transmitter component contains a microcontroller RSSI module, speech playback circuit, and DC motor because it only provides information regarding border identification and not the precise distance that the boat has sailed from the border. The receiver section also incorporates RSSI. For a fishing assistance system, the machine learning method is employed to forecast upcoming precipitation.

Keywords: RSSI, Python deep learning, Rain prediction, Border alert system.

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