# IoT based Fisherman Border Alert System

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**Abstract***: Fishermen in Tamil Nadu, particularly those from impoverished communities, often unknowingly cross international maritime boundaries due to a lack of awareness and technical resources, leading to arrests and severe legal consequences. This situation has caused significant hardships for these fishermen and their families, who rely on fishing as their primary source of income. To solve this problem, we propose the development of a Border Alert System that uses GPS technology to track the real-time location of fishing vessels. The Proposed system will provide both audio and visual alerts when a fisherman is nearing the international maritime boundary, helping them stay within Indian waters and avoid accidentally crossing into foreign territory. Designed to be affordable, easy to use, and durable, the system will be accessible to fishermen even in remote coastal areas. This solution aims to prevent border violations, ensuring the safety and livelihoods of fishermen while reducing the legal and economic challenges they face. By offering a simple and effective way to remain within legal boundaries, the system will contribute to the well-being of coastal communities and promote stability for their families.*

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