

# Examining the Fishing Industry for a Web-Based Profit-Sharing Information System

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**Abstract:** *The study intends to investigate the difficulties that the fishermen face under the current profit-sharing arrangement in Placer, Surigao del Norte, Philippines. Driven by the goal of improving the manual profit calculation in the local fishing industry, the research problem focuses on efficiency fairness and transparency in the distribution of profit sharing. With a mixed-method approach, the study looks at the existing profit-sharing scheme to suggest an integrated web-based scheme and makes suggestions for improving the current scheme. Based on the findings fishermen still have concerns about equity ( $W = 4.66$ ) and delays in profit distribution ( $W = 3.34$ ) even though they generally thought the current system was transparent and fair ( $W = 4.26$ ). However, stakeholders indicate a positive attitude toward technological solutions ( $W = 4.67$ ) highlighting features like historical data analytics, a user-friendly interface, real-time updates, and enhanced security. In order to benefit boat owners and fishermen, this system seeks to guarantee an equitable and effective profit distribution. The suggestions underscored the necessity of equity and efficient communication emphasizing fair profit-sharing arrangements and compassion for the difficulties faced by fishermen. The study concludes that technological innovation and effective communication are important to promote a more just and enhance stakeholder satisfaction to contribute the sustainability within the fishing industry*

**Keywords:** web-based profit-sharing system technology investors satisfaction profit-sharing fishing industry equity and transparency