NPC Consultant Professional Profile

I. Personal Information

Name: Praveen Kumar Samantara
Date of Birth: 16/10/1985
Current Position & Domain: Assistant Director, IE
Office Location: Regional Directorate Bhubaneswar
Languages: English, Oriya
Contact: pk.samantara@npcindia.gov.in

II. Professional Summary

Having more than 9 year of experience Provide expertise in Industrial Engineering to enhance efficiency and quality within organizations, Conduct field studies, analyze data to prepare reports for clients on assigned projects and Design, organize, and deliver training programs to impart knowledge and improve productivity within organizations.

III. Areas of Expertise

Primary Domains: Industrial Engineering
Specialized Skills: Value Stream Mapping, Benchmarking,5S, Job Evaluation
Industry Focus: Power Plant, Indian Railway, State Fishery Department, Airport, PSU

IV. Professional Experience

Current Position: Assistant Director **Organisation:** NPC, Bhubaneswar **Duration:** October 2015- Present
Key Responsibilities:

- Well knowledge and experience IE technique to improve productivity improvement
- Conduct field studies, analyze data, and prepare reports for clients
- Design, organize, and deliver training programs to impart knowledge and improve
- 5S Audit

V. Major Project Experience in NPC [For each significant project, include:]

Project Title: Assessment of Post Harvest Losses in Inland and Marine Fisheries and to suggest measures to minimize these losses.
Client Name: Orissa State Fishery Department **Type:** State Government **Sector:** Food
Role: Consultant
Duration: 6 month
Problem Definition: Post-harvest fisheries loss (PHFL) is the term used to describe fish that is either thrown away or sold for a low price as a result of quality decline. Small-scale fisherman typically has the

most difficulties handling, moving, and marketing fresh fish in difficult situations, including at high ambient temperatures. Lack of facilities on fishing boats and on land makes it difficult to distribute high-quality seafood. Objective of study is not only quantify various post-harvest loss but also to minimize.

Recommendations Made:

- Improve infrastructure: Develop modern storage facilities, ice plants, and transportation networks to reduce losses.
- Enhance handling practices: Train fishermen and handlers on proper handling, icing, and packaging techniques.
- Increase access to markets: Establish more markets, improve market infrastructure, and promote online marketing platforms.
- Promote value chain development: Encourage processing, preservation, and value addition to reduce losses and increase income.
- Implement efficient supply chain management: Use technology and data analytics to optimize the supply chain, reduce transit times, and improve quality control.

Impact Created:

- Reduce 6-8% post-harvest loss
- Awareness and impact post harvest loss has analysed

Project Title: Design Improvement in Storage Containers Used in Supply Chain for Inland and Marine fishes by Vendors.
Client Name: Orissa State Fishery Department **Type:** State Government **Sector:** Food
Role: Consultant
Duration: 6 month
Problem Definition: By incorporating these design improvements, storage containers used in the supply chain for inland and marine fishes can provide better temperature control, humidity management, sanitation, and durability. This will help reduce post-harvest losses, improve seafood quality, and enhance the overall efficiency of the supply chain.
Recommendations Made: Improving storage container design for inland and marine fishes can significantly reduce post-harvest losses and enhance the overall quality of the seafood supply chain. Having following recommendation:

- Insulation and Temperature Control
- Humidity Control and Air Circulation
- Sanitation and Easy Cleaning
- Ergonomic Design

Impact Created:

- Ergonomic Design improve in container handling
- Increases the longevity of food sea and marine foods
- Reduce 6-8% post-harvest loss

Project Title: Evaluation of RAS and Biofloc Technologies and their dissemination through workshop.
Client Name: Orissa State Fishery Department **Type:** State Government **Sector:** Food
Role: Consultant
Duration: 6 month
Problem Definition: Sustainable aquaculture practices are crucial for ensuring food security, reducing environmental impact, and promoting eco-friendly agriculture. Recirculating Aquaculture Systems (RAS) and Biofloc Technologies (BFT) are innovative approaches that offer improved water quality management, waste reduction, and increased production efficiency. However, the adoption of these technologies is hindered by limited awareness, lack of technical expertise, and inadequate dissemination of knowledge.
Recommendations Made:
Recirculating Aquaculture Systems (RAS)

- Improve Water Quality Management
- Increase Energy Efficiency

Biofloc Technology Recommendations(BFT)

- Optimize Biofloc Formation
- Improve Water Quality Management
- Develop Integrated Biofloc Management (IBM) Strategies

Impact Created:

- Provide Training and Capacity Building
- Develop Economic and Environmental Sustainability Models
- Establish Standards and Guidelines

VI. Educational Background

Highest Degree:

- **Degree:** B. Tech in Electronics & Telecommunication Engineering
- **Institution:** BPUT **Type:** Full Time
- **Year:** 2009
- **Specialization:** Electronics & Telecommunication Engineering

[Include all professional education starting from Graduation Level]

Additional Professional Qualifications:

- One Year Certification in Industrial Engineering

VII. Research and Publications

Recent Publications:

- NA

Speaking Engagements:

- NA

Awards and Recognition

- NA

Certification:

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience. I understand that I shall be responsible for any willful misstatement described herein.

praveen kumar samantara

Date: 05-02-2025 [Signature of Employee]

Place: Bhubaneswar Praveen Kumar Samantara

Profile Update History

Last Updated: [Date]
Next Review Due: [Date]