

PROJECT REPORT ON
**“A Study on Profit Generation and Optimization of Vessel Turnaround
time In Seaport with Special Reference to New Mangalore Port Authority,
Mangalore”**

Submitted By

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(4AL21BA012)

Submitted To



VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

In partial fulfilment of the requirements for the award of the degree of

MASTER OF BUSINESS ADMINISTRATION

Under the guidance of

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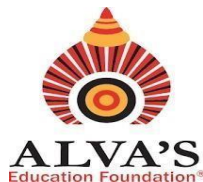
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MAY -2023



ನವ ಮಂಗಳೂರು ಬಂದರು ಪ್ರಾಧಿಕಾರ
नव मंगलूर पत्तन प्राधिकरण
NEW MANGALORE PORT AUTHORITY
(Fully Solar Powered)

भारत सरकार (पत्तन, पोत परिवहन और जलमार्ग मंत्रालय)
Govt of India (Ministry of Ports, Shipping and Waterways)
ಮಂಗಳೂರು ಪಂಚಾಯ್ತು Panambur / ಮಂಗಳೂರು ಮೆಗಲೂರು Mangalore - 575010

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Azadi Ka
Amrit Mahotsav



SAGARMALA
PORT-LED PROSPERITY

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CERTIFICATE

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During this training period, we found her sincere and hard working.

We wish her all the best in her future endeavor.

Dy. Manager (Corp. Relations & Comm.)

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ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

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CERTIFICATE

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Declaration

I Ashwini, hereby declare that the Project report entitled **"The Study on Profit Generation and Optimization of Vessel Turnaround Time in sea port with special reference to New Mangalore Port Authority, Mangalore"** with reference to NMPA, Mangalore, prepared by me under the guidance of Dr. Catherine Nirmala David, professor of M.B.A Department, Alvas Institute of Engineering and Technology, Mijar and external assistance by Mr. Rakshith, Finance manager, NMPA. I also declare that this Project work is towards the partial fulfillment of the university Regulations for the award of degree of Master of Business Administration by Visvesvaraya Technological University, Belgaum. I have undergone a summer project for a period of six weeks. I further declare that this Project is based on the original study undertaken by me and has not been submitted for the award of any degree/diploma from any other University / Institution.

Place: *Mijar*

Ashwini
Signature of the Student

Date:

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EXECUTIVE SUMMARY

Turnaround time of a vessel in a seaport exhibits the capability and ability of a port in providing efficient and effective services. Ship turnaround time is one of the most significant Port performance Indicator. This is the total time, spent by the vessel in port, during a given call. It is the sum of waiting time, berthing time, service time (i.e., ship's time at berth) and sailing delay.

Indian ports play a crucial role in trade and economy, as 95% of merchandise trade is handled by ports. the factors influencing vessel turnaround time and its implications for port performance and profitability. The major factors contributing to increased turnaround time were determined through an in-depth analysis of historical data and operational processes. the NMPA to enhance its port performance and profitability by focusing on reducing turnaround times. Addressing pre-berthing waiting time, optimizing post-operation waiting times, and enhancing crane productivity are identified as key areas of improvement. the turnaround time decreased, the organization's profit increased.

The inverse relationship highlights the potential for increased profitability by concentrating efforts on reducing turnaround times. This finding serves as an important strategic direction for the NMPA, emphasizing the significance of streamlined operations and efficient resource utilization.

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