



Online Certificate Programme
in
Port Operations and Management

4 MONTHS LIVE ONLINE PROGRAMME
(November 2022 – February 2023)



INDIAN INSTITUTE OF FOREIGN TRADE
Deemed to be University
Under Ministry of Commerce and Industry
Government of India
www.iift.ac.in



INSTITUTE'S PROFILE:

Indian Institute of Foreign Trade (IIFT) was established in 1963 as an autonomous body under the Ministry of Commerce & Industry to contribute in the skill building for the external trade sector of India. It has come a long way to successfully develop into a unique institution involved in imparting knowledge through Research and Training in International Business and Trade. The Institute was granted “Deemed to be University” status in 2002.

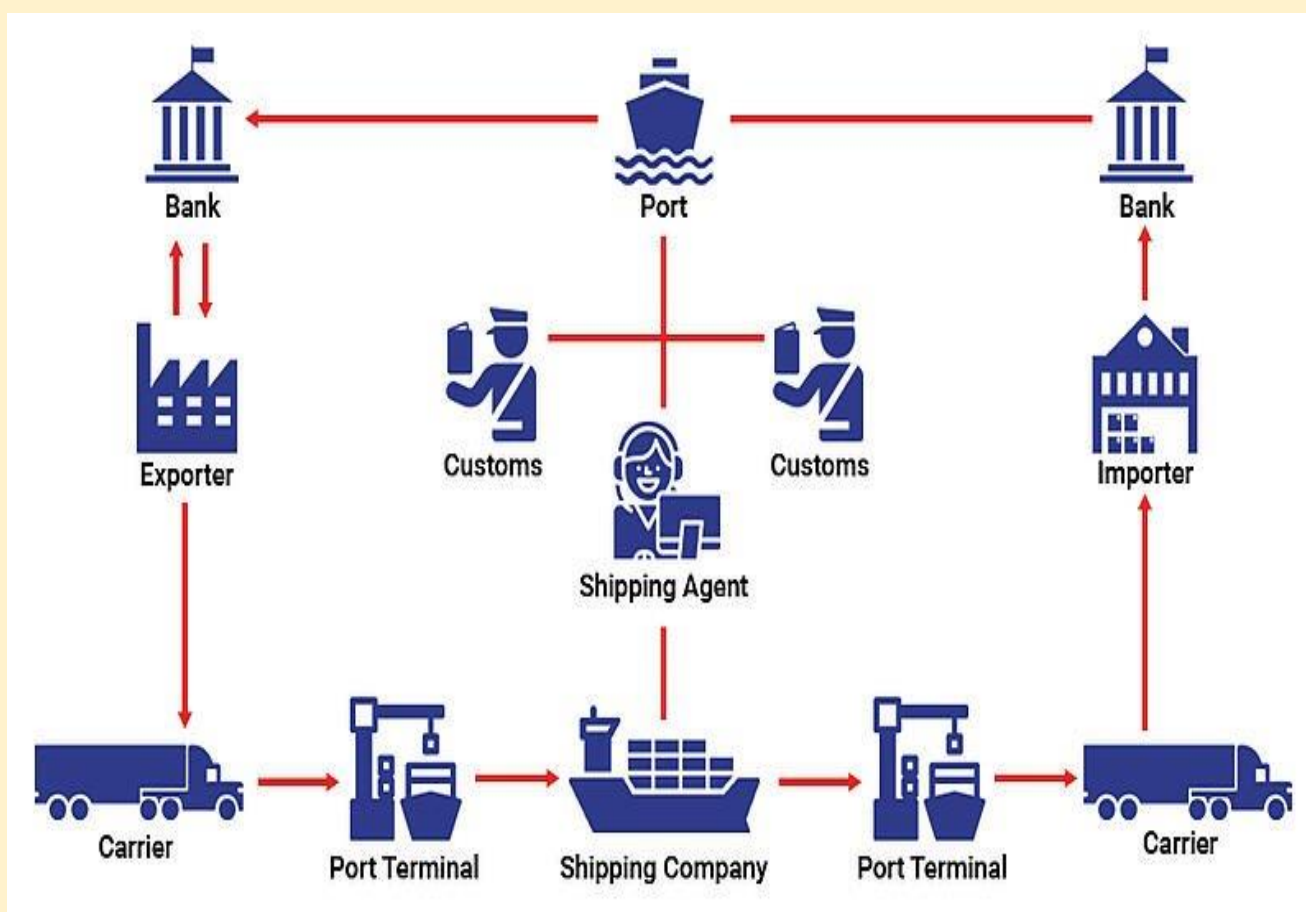
Over the years, IIFT has emerged as a national university with focus on Trade, Economics and International Business Management and Strategy, which is reflected in all major activities of the Institute viz. Research, Teaching and Training. IIFT has also contributed significantly towards the external trade sector of India through policy research and skill-building over the past six decades. The Institute has also emerged as a leading Business School in the country and has been consistently ranked among the top 10 B-Schools in the country.

The National Assessment and Accreditation Council (NAAC) recognized IIFT as Grade ‘A++’ Institution in its evaluations during 2005 as well as in 2015. University Grants Commission has graded the Indian Institute of Foreign Trade as Category –I Deemed to be University as per the provisions of the UGC [Categorization of Universities Regulations (only) for Grant of Graded Autonomy] Regulations, 2018. In 2021, it has been accredited by AACSB (Association to Advance Collegiate School of Business), a U.S. based quality accreditation and has entered in the premier league of top 15 Indian educational institutions.



PROGRAMME'S INTRODUCTION:

India has 13 major ports and over 200 minor ports steering the country's international trade. Ports are the pillars of global economy, trade, and transport: Eighty percent of global commodities are carried by water; 2,000 sea ports and 10,000 terminals facilitate world trade by serving over 50,000 ocean-going ships while generating over thirty percent of the global GDP on an annual basis. With such volumes of trade, the management of port operations must be exceptionally efficient and synonymous with efficiency. The objective of port operations is to minimize disruption in the port by analyzing all available travel data and forecasting the appropriate arrival times for all vessels and their containers. They also need to balance all incoming and outgoing activity, and to maintain clear communication with all vessels involved. Any issues that may arise need to be dealt with as quickly as possible to prevent impact on further maritime activity. Hence, use of technology and team work play a crucial role in the success of any port. The figure below shows the multiple parties that may be involved directly with port operations and management.



Given the huge importance of sound port management to facilitate India's foreign trade, the Indian Institute of Foreign Trade (IIFT) has designed an online Certificate Programme in Port Operations & Management over October 2022 – January 2023 with online sessions on weekends. During the programme, interested participants will also have an opportunity to visit at least two sea ports in India.

PROGRAMME OBJECTIVES:

1. Define the role of Ports, including in a through transport context, and their features.
2. Identify the interface of Ports with logistics and the position of ports in the supply chain.
3. Analyze port performance and relevant quality and management systems.
4. Describe the involvement of principal stakeholders in port management, port safety and port security (Unions, Customs etc.).
5. Analyze port charges and port competition related issues.
6. Integrated port planning and development policies.

PROGRAMME CONTENTS:

The programme will cover the following topics:

1. Importance of Foreign Trade Policy of India.
2. **Basics of Shipping:**

Role of Shipping, Major Trade lanes, features & patterns of trade, ship design , Major Maritime Nations and basic Shipping Terminology, Liner Shipping, Types of Liner Ship Operators, Ship owning operations , NVOCC operations, MTO operations, Bulk Shipping, Dry Bulk operations, Tanker operations, Principles of chartering, Bulk pool operations.

Ship Types and Fleet

- General Cargo Ships
- Specialized Cargo Ships
- Container Ships
- Ro-Ro Cargo Ships
- Dry Bulk Carriers
- Liquid Bulk Tankers
- Liquefied Natural Gas Tankers
- Liquefied Petroleum Tankers
- Passenger Ships
- Offshore Vessels
- Tug Boats

3. Ports, Canals & Waterways

Types of Ports

- Sea Ports
- Inland Ports
- Dry Ports
- Cargo Ports

- Fishing Ports
- Cruise Home Ports / Ports of Call

Overview of ports, canals & waterways Inland Terminals, Port Features required for various cargo types, Port ownership / Management models, Environmental issues, Role of Port Authority and Major Ports Authority Act 2021, Alternative Port Management Structures and Ownership Models (Landlord vs. Operational Model).

4. Ports & Terminals

Economic impact of ports on the regional economy, Location Characteristics, Organization structure in Ports, Interface of Rail & Road infrastructure, Factors affecting the future ports & terminals, Free Ports/ Free Trade Zones, Role and Functions of Ports in International Trade, Coastal Shipping and Sagarmala, Port and Terminal Efficiency & Performance Indicators, Berth Operations.

5. Port Operations

Handling at Ports

- Cargo Handling Equipment
 - Unitized Cargo Handling Systems
 - LASH
 - Ro/Ro Vessels
 - Bulk Handling Systems for Raw Materials
- Container Handling Equipment
 - Palletization
 - Container Lifters & Movers
 - Container Cranes
 - Stowage within the container

Introduction to Vessel Traffic Systems (VTS) & Harbor Authority, Services rendered by Ports and performance indicator, Terminal operations, Factors affecting Terminal Productivity, Cargo handling equipment and intermodal connections, Role of CHA /International Freight Forwarder/Shipping Line.

6. Port services

Concept of Hinterland, Identifying Customer Needs, handling competition & adding value, IT infrastructure in ports and terminals, Port Digitalization and Implications for the Maritime Sector, Artificial Intelligence in Smart Port Operations, Port Strategic Alliances, Market Positioning & Differentiation.

7. Port Development

Cabotage law & practices affecting coastal movement of cargo, Green field projects for development of minor ports, Comparative analysis coastal shipping vs. inland movement, Case Studies of Port Development & Operations in India & Overseas.

8. Environment, Health & Safety

Health, Safety and Security in Ports & Maritime Trade

- i. Oil Pollution
- ii. Noxious Liquid Substances
- iii. Sewage / Garbage
- iv. Air Pollution

Environmental issues connected with Ports & Terminals, Health & safety issues, Port Security issues, International Ships & Port facility security (ISPS) code.

9. Maritimes Issues

Issues of Indian Ocean Piracy and Maritime security, Continental shelf, Boundaries, Fisheries. Coastal states vs Maritime states, Marine protected areas, Regional approach, Marine Pollution, Maritime security, UN convention on the law of sea, International Commercial (INCO) Terms 2020, Concession Agreements for Development of Ports

PROGRAMME SCHEDULE:

Sessions will be scheduled only on Saturdays and Sundays, from 09:00 AM to 02:00 PM (Timings are flexible). The sessions will be held through online mode.

PROGRAMME FEE:

- Rs. 90,000/- per participant which includes cost of all study materials. Students will in addition incur costs of travelling, accommodation etc. for the port visits. The Institute will facilitate the organization of the port visits. The programme fee would be paid in two instalments with in the specified dates. The first instalment need to be paid at the time of applying for the programme before 15 November 2022.

First Instalment: Rs. 50,000 /-

Second Instalment: Rs. 40,000 /-

- SC/ST/PWD Candidates: 50% fee concession on Programme fee.

WHO CAN APPLY:

- Any Graduate / Post graduate / Maritime related professionals / ships' officers and shore-based Management staff / Professionals from Supply Chain & Management Industry & Trade / Marine Insurers / P&I Club Managers / Port Authorities and Coast Guard personnel / Producers, Traders or Commodities Brokers and Suppliers / Freight, Cargo and Logistics providers / Government bodies.
- No age Limit to apply.



Last date to apply: 15 November 2022

Duration: 04 months (November 2022 – February 2023)

For training and consultancy related inquiry please contact:

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