



सागराः सुपन्थानः सन्तु

# IMU-KOLKATA PASSING OUT CEREMONY CHIEF GUEST SPEECH

**Directorate General of Shipping**

13<sup>th</sup> March 2026

# IMU-KOLKATA



To establish the Kolkata Campus of IMU, two legacy institutes, Marine Engineering and Research Institute (MERI) and Indian Institute of Port Management (IIPM), were combined.

## Total Students Graduating: 270 Cadets

### Diversity in IMU Kolkata:

-32 SC, 4 ST, 89 OBC NCL and 27 General  
(Economically Weaker Section)

### Gender Inclusion in IMU Kolkata:

-21 Female Cadets  
-Sponsored by DG Shipping MTT Scholarship  
-8 Cadets availing Synergy/ BW LPG Scholarship

## Dr. Ravi K Mehrotra Centre of Excellence in Maritime (CoEM)

On June 28, 2025, a significant milestone was achieved at the Indian Maritime University's Kolkata Campus in Taratala with the laying of the foundation stone for the Dr. Ravi K Mehrotra Centre of Excellence in Maritime (CoEM).

## Placement



- 240 Cadets from this batch, ie., 89%, have already been placed
- Placement results awaited from a few more Maritime agencies

## Notable Alumni



- T. M. Vasudev - Former Director General of Shipping, Government of India
- Dr. Rajoo Balaji- Pro Vice Chancellor of Indian Maritime University

## Objectives of Centre of Excellence in Maritime (CoEM)

- Promote research and development initiatives in maritime technology and practices.
- Conduct advanced training and academic programs for IMU students and maritime professionals.
- Foster partnerships with shipping companies, ports, and allied maritime stakeholders



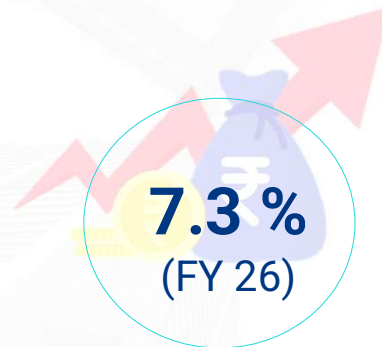
# GLOBAL LANDSCAPE AND INDIA'S VISION

# India's Economic Growth and the Significance of Maritime Domain



Indian GDP

*World's 4th largest economy*



GDP Growth

*projected 6.3–6.7% annual growth through coming years*



GDP Target

*IMF projects India will surpass Germany by 2028, becoming the world's 3rd largest economy*

The Maritime sector facilitates



**95%**

Trade by Volume

**70%**

Trade by Value



Maritime sector contributes to 4-5% of the GDP

# Global Competitiveness



**2**

Indian Ports in Global top 30 Ports (Mundra & Visakhapatnam), 2023

(No Indian Port in Top 30 in 2015)

**0.9** days

TAT ahead of many leading maritime nations (JNPA), 2022

(4 days in 2015)

**Top 3**

In trained manpower, 2025 with >3.2 Lakh Indian Seafarers

(1.2 lakh Seafarers in 2014)

**2<sup>nd</sup>**

Rank in global ship recycling, 2024

(3<sup>rd</sup> rank in 2017)

**16<sup>th</sup>**

Largest ship building sector globally with rapid capability expansion, 2024

(23<sup>rd</sup> Rank in 2016)

**41<sup>st</sup>**

Rank in World Competitiveness Index, 2025

**14<sup>th</sup>**

Rank in Liner Shipping Connectivity Index, 2024

(30<sup>th</sup> Rank in 2014)

**38<sup>th</sup>**

Rank in Logistics Performance Index, 2023

# Contribution of the Blue Economy Towards Viksit Bharat 2047



## India and its Blue Economy

95%

By trade volume

70%

By trade value

## India's Infrastructure Leverages

12

Major Ports

200+

Non-major  
Ports

11,098 km

Total length of  
India's coastline

## India's Vessel Advantage



India has 1,520+ merchant vessels with 13 mn+ GT capacity



India ranks 18<sup>th</sup> globally in flag registration and 19<sup>th</sup> globally in carrying capacity

***India is emerging as the leader of the Blue Economy in the world with multiple initiatives focusing on infrastructure, business and the overall economy***

Port-led  
Development

Ports for  
Prosperity

Policy reforms driving EoDB,  
modern infrastructure and  
multi-modal logistics

# India's Maritime Vision



## MIV 2030

### Chapter 10 : Become Top Seafaring Nation with World Class Education, Research and Training

- **10.2 - By Promoting research and innovation** by establishing maritime knowledge clusters and dedicated innovation laboratories.
- **10.2 - By Strengthening maritime education and training** through continuous improvement of training programmes and expansion of career opportunities for seafarers.
- **10.3 - By Building a robust seafarer-centric ecosystem** with a focus on welfare measures, grievance redressal mechanisms, and social security.
- **10.4 - By Encouraging port-led capability development** to support skill creation, employment generation, and integrated maritime growth.

## MAKV 2047

### Theme 7 : Develop World Class Education, Research & Training

- **By Integrating maritime education, training, and research** through a unified innovation ecosystem.
- **By Setting up knowledge clusters, incubators, and accelerators** to drive maritime research and startups.
- **By Strengthening global partnerships and Centres of Excellence** to enhance institutional quality and faculty capability.
- **By Implementing systemic reforms** to improve efficiency, standardisation, and future readiness.

**Chapter 10 of the Maritime India Vision 2030 outlines the development of a comprehensive training ecosystem aimed at enhancing maritime education, training, and skilling across the sector.**

An aerial photograph of the Indian Parliament building in Chandigarh, India, captured during a golden sunset. The building's circular structure and central dome are prominent, surrounded by lush green trees. The sky is a warm, hazy orange. The text "REGULATORY FRAMEWORK" is centered in a bold, dark blue font over a semi-transparent white band.

# REGULATORY FRAMEWORK

# Global Regulatory Framework



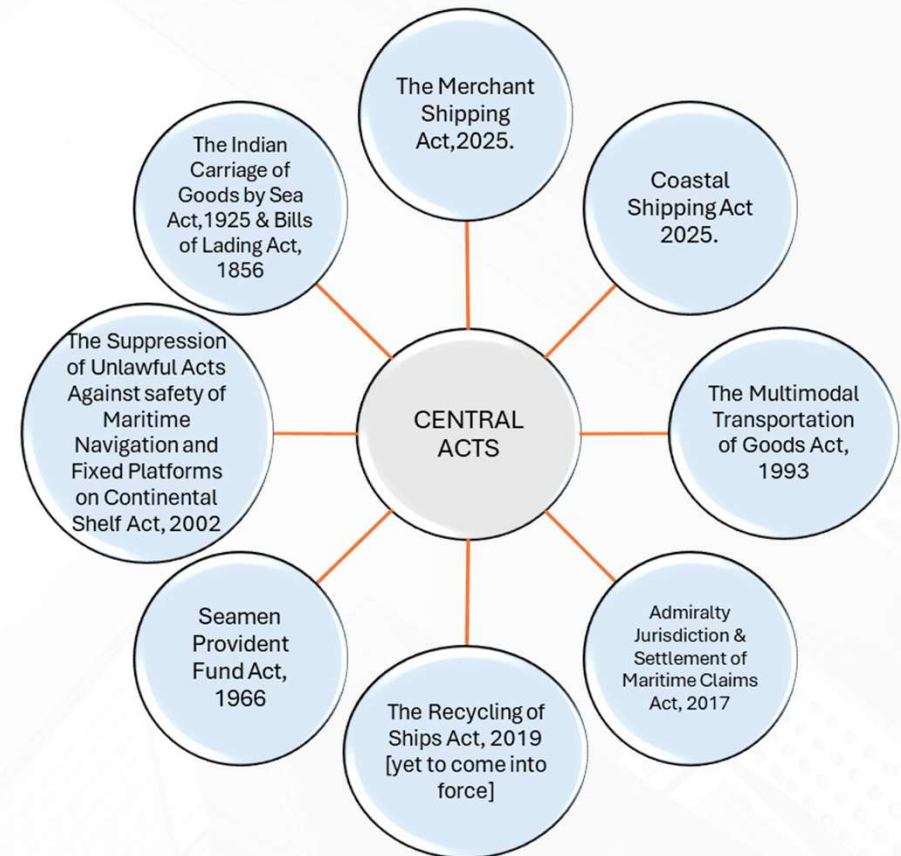
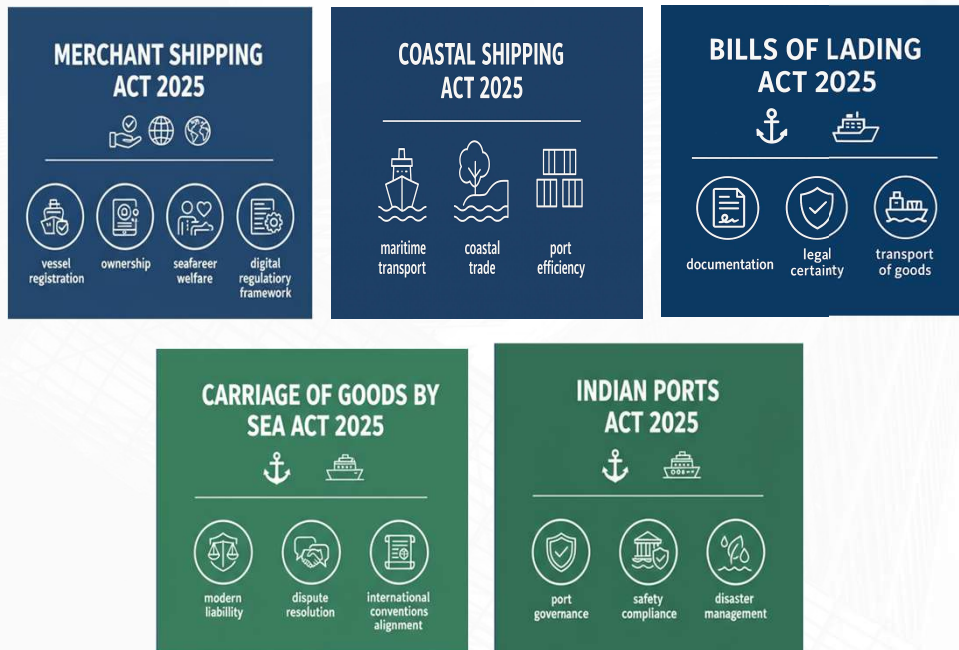
- The International Maritime Organization Develops **international regulations** for maritime safety and environmental protection.
- Formulates **international treaties and conventions** like SOLAS and MARPOL.
- Monitors **compliance and implementation** of conventions.
- Provides **technical assistance and training** to developing countries.



# National Regulatory Framework



## New Maritime Legislative Reforms - 2025



Directorate General of Shipping → Transitioning to Directorate General of Maritime Administration

An aerial photograph of a rugged coastline. The top half shows golden-brown, layered rock formations with some sparse vegetation. The bottom half shows clear, turquoise water with visible rocks and coral reefs. A semi-transparent horizontal band across the middle contains the word "SUSTAINABILITY" in bold, dark blue, sans-serif capital letters.

# SUSTAINABILITY

# Sustainability : Green Shipping Initiatives



NPSC metrics include **Green Port Index (GPI)**, **Port Readiness Level (PRL)**, **Smart Port Shore Power Index (SPSPI)**, **Environmental Ship Index (ESI)**, and **GHG Emissions Inventory** to benchmark sustainability and readiness of Indian ports

With the Hong Kong Convention now in force, India leads globally with 115 compliant yards at Alang.





# SHIP BUILDING - SCHEMES

# Four Pillar Approach For Shipbuilding And Maritime Sector



Total Allocation

**₹69,725 Cr.**



## Shipbuilding Financial Assistance scheme

Allocation: ₹24,736 crore

(Shipbreaking Credit Note – 4,001 Cr)



## Maritime Development Fund

Allocation: ₹25,000 crore

(Maritime Investment Fund – ₹20,000 crore  
Interest Incentivisation Fund – ₹5,000 crore)



## Shipbuilding Development Scheme

Allocation: ₹ 19,989 crore

(Capacity & capability development and credit risk coverage)



## Legal, Policy and Process Reforms

# HSSE Appraisal Standard Overview



Importance: Critical role of shipbuilding, repair, and recycling in national maritime capability and employment.



**ISO 45001:2018: Occupational health & safety.**

**ISO 14001:2015: Environmental management..**

**ILO Code of Practice: Safety in shipbreaking.**

**OSHA Standards: Operational safeguards.**

**Indian Legal Framework: Recycling of Ships Act, Dock Workers Regulations, EPA.**



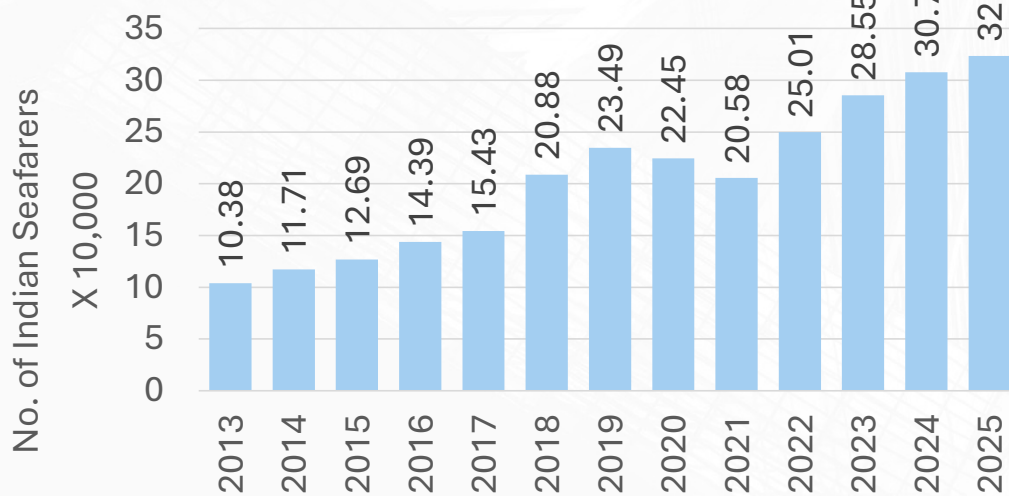
# WELFARE AND INCLUSIVITY

# India's Seafaring Scenario

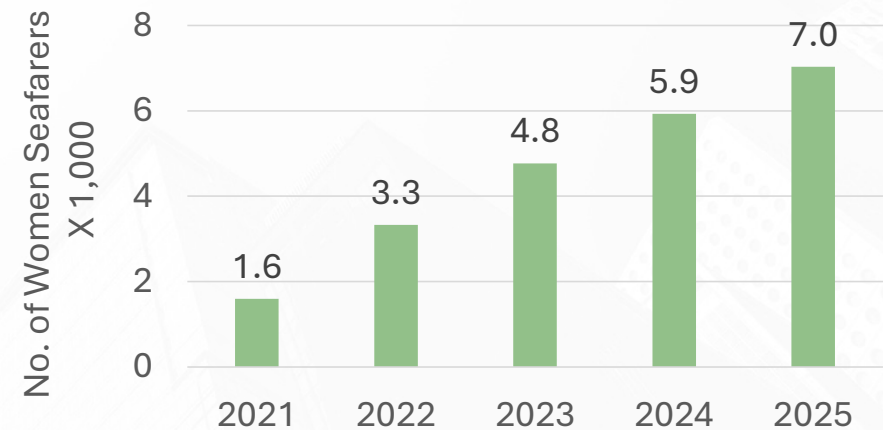


- **India among top 5 maritime nations** in seafarer supply
- **Contributes ~ 12%** of the global seafarer workforce
- **MIV 2030 target:** Increase India's share to **20%** by 2030
- Current share of women seafarers in India: < **0.5%**
- **MIV 2030 target:** Raise women participation to **2-3%** by 2030
- **Growth achieved: 339%** rise since 2021

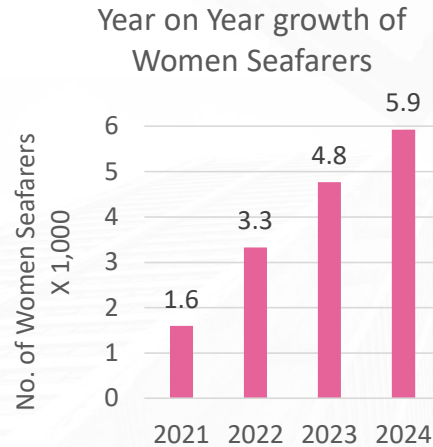
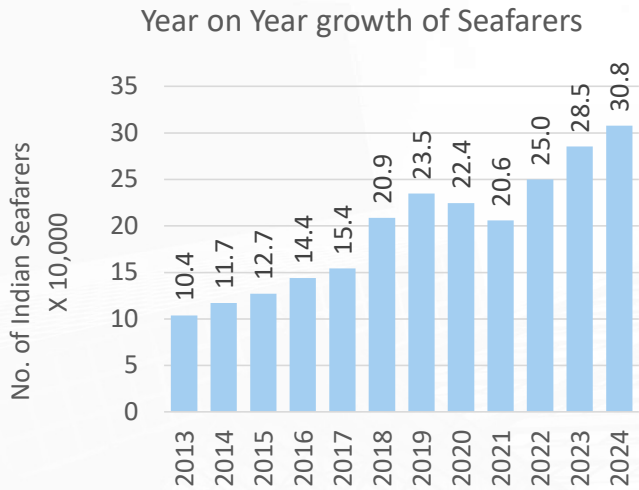
### Year on Year growth of Seafarers



### Year on Year growth of Women Seafarers



# Sagar Mein Samman



Registered women seafarers increased by **739% from 1,699 in 2015 to 14,255 in 2024** reflecting significant progress in gender inclusion and transformation within the Indian maritime sector.

Initiatives of DG Shipping to promote women seafarers : **₹1,00,000 are offered** via the Maritime Training Trust to encourage women cadets and ratings in pre-sea courses.

## Sagar Mein Samman

Sagar Mein Samman (Honor at Sea) is the flagship initiative, **designed to transform India's maritime sector into a more inclusive, equitable, and aspirational ecosystem.**

- **Goal:** Build a resilient, diverse, and future-ready maritime workforce.
- These six pillars form the structural foundation of the initiative, ensuring a comprehensive and sustainable approach to empowering women across all layers of the maritime ecosystem.

# Sagar Mein Yog



Sagar Mein Yog is a **comprehensive wellness program** built on the integration of yoga, mindfulness, emotional resilience, physical health, and spiritual well-being.

- In partnership with **NUSI** and knowledge partner Trijog
- Linked with MIV 2030 **Deliverable 10.16.3**
- SMY is being presented at 136<sup>th</sup> IMO Council

## Way Ahead

- **Formal STCW Approvals** for ToT and Yoga curriculum.
- **Conduct of ToT courses** for MTIs (pre-sea and post-sea phases).
- **Integration of Yoga modules** into all maritime training programmes.
- **Phased implementation plan:** Pre-sea → Post-sea → At-sea.
- **Monitoring & evaluation** mechanism for impact assessment and course correction.



**Sagar Mein Yog** enhances India's maritime regulatory framework by setting structured standards for wellness across the crewing ecosystem

An aerial photograph of a lush tropical forest. The image is dominated by vibrant green palm trees and dense foliage. In the center, a person is seen ziplining over a body of water, with a zipline tower visible. The sky is a clear, deep blue. A semi-transparent dark blue banner is overlaid across the middle of the image, containing the text 'SAFETY- SURAKSHA SARVAPRATHAM' in white, bold, uppercase letters.

# SAFETY- SURAKSHA SARVAPRATHAM

# Suraksha Sarvapratham

## Safety First



**DGS is focused on promoting safety on vessels and is set to launch a campaign called the Suraksha Sarvapratham, ensuring that the seafarers are able to discharge their duties in a risk-free manner.**

To reduce accidents and minimize risks aboard ships.

Detailed documentation of incidents that occur at sea and during port operations.

Systematic recording and analysis of incidents will help identify patterns, understand root causes, and implement preventative strategies.

Instill a culture of safety among seafarers.

Web-based learning management systems for training.

Free online courses will be developed.

To create a safer working environment for seafarers by reducing the frequency and severity of accidents at sea and in ports.

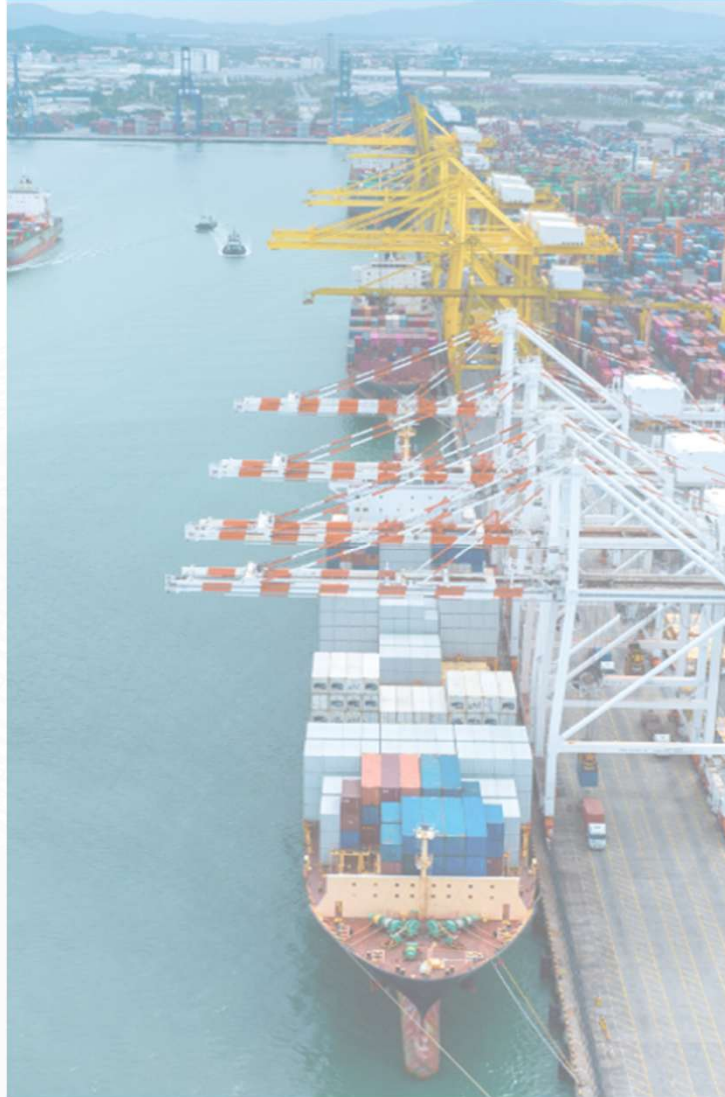
Comprehensive incident documentation, strict adherence to safety protocols, and innovative AI-based safety videos--- to establish Safety Culture

# Indian Global Maritime Safety Platform



## Purpose

To establish a unified digital platform that improves maritime safety, promotes risk-free professional practices, and aligns with international standards and India's maritime vision.



## Objectives

- ➔ Deliver real-time safety dashboards and analytics across devices.
- ➔ A multilingual repository for circulars, advisories, and IMO guidelines.
- ➔ Host 30–40 animated safety videos over 3 years, integrated into a learning system.
- ➔ An AI-driven maritime incident database using tools like Power BI/Tableau.
- ➔ Support the “Zero Incident” vision through training, compliance, and real-time monitoring.

A photograph of two workers in high-visibility safety gear. On the left, a man with a beard and a dark beanie wears a bright orange high-visibility jacket with reflective silver stripes. On the right, a woman is seen in profile, wearing a bright yellow high-visibility jacket with reflective silver stripes. They are standing in an industrial setting with white trucks and a building in the background. A semi-transparent horizontal bar is overlaid across the middle of the image, containing the text 'ZERO TOLERANCE'.

**ZERO TOLERANCE**

# Transparency and Zero Tolerance for Fraud



Raising issue over the Call/SMS/WhatsApp

**Helpline** between 09:00 AM – 06.00 PM

Escalation mechanism for resolving query

**Follow-up**  
Support and right guidance

**Analysis & Correction**  
and recurrence

## Efforts to provide awareness through Social Media

**MINIMUM ELIGIBILITY CRITERIA FOR PRE-SEA COURSES**  
Shri Deependra Singh Bisen  
Deputy Director General (Training Branch)

**APPROVED**  
approved Institute.

**MARITIME INDIA CONFERENCE & EXPO 2025**  
Mumbai

**MARITIME INDIA CONFERENCE & EXPO 2025**  
Mumbai

Shaping the Future through Training Insights from  
Shri Deependra Singh Bisen  
DDG (Training Branch)

**STRENGTHENING**  
Ties with the  
INTERNATIONAL MARINE  
CONTRACTORS ASSOCIATION  
(IMCA)

**SAGARMALA**  
PORT LED PROSPERITY

For any queries on Maritime Training, course details, Guidance.  
Please reach out to the Official helpline.

**CONTACT: 8655798737**

- ✓ Stay Informed
- ✓ Stay Compliant
- ✓ Stay Safe

# Ensuring Zero Tolerance In Crewing



- DG Shipping follows a Zero Tolerance policy against fraud, cheating, and illegal recruitment of seafarers.
- A nationwide digital awareness campaign was launched through DG Shipping's social media platforms, publishing multiple videos on:
  - Fraudulent agents and fake job offers
  - Illegal payments to RPSL companies
  - Seafarers' rights
  - 24x7 Grievance redressal
- To strengthen outreach, DG Shipping conducted symposiums on seafarer recruitment and welfare.
  - Successfully held: Mumbai, Delhi
  - Planned next: Chennai, Kolkata
- The campaign combines digital engagement and on-ground awareness to protect seafarers and prevent exploitation.



DG Shipping Reaffirms Zero Tolerance Towards Fraud and...



Empowering Seafarers: Inside DG Shipping's Crew Branch & Its Vital...



Seafarers' Rights—Know and Protect Yourself | Capt. Nitin...



झूठी भारतीय समुद्रकर्मि नौकरियों से सावधान रहें | नौवहन महानिदेशालय...

The background is a vibrant blue gradient. It is populated with several 3D-rendered icons representing various data visualization types: bar charts, pie charts, and line graphs. These icons are scattered across the frame, some appearing larger and more prominent than others. The overall aesthetic is clean, modern, and professional, typical of a corporate or educational presentation.

# DIGITAL INITIATIVES

# Maritime Training & Certification Lifecycle



Problems

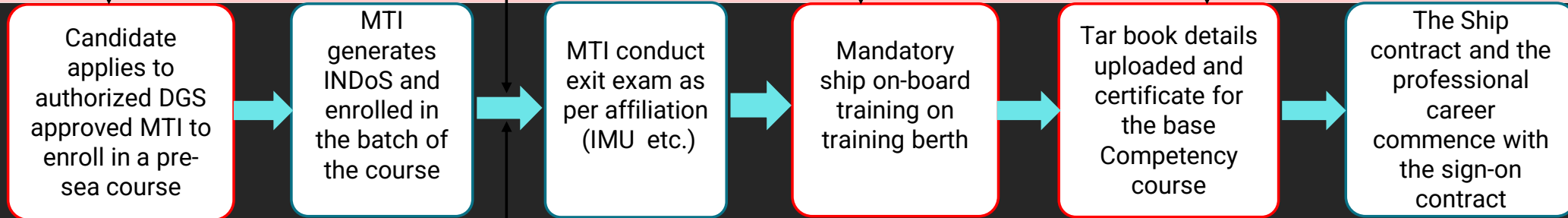
There is no single digital platform to aggregate MTI pre-sea training seats, enabling illegal institutes and unmonitored enrolments.

System is not capturing Real time attendance of the students. Attendance updated by MTI's.

There is no structured linkage between MTI pass-out students and the availability of shipboard training berths.

The Training Assessment Record (TAR) is not digitized; shipboard training completion is certified manually by MTI/RPSL/Shipping Companies, causing delays and inefficiencies in issuing completion certificates.

Maritime Training & Certification Lifecycle



Solutions

Implement a **Common Admission Portal** after IMU-CET/JEE, where only DGS-approved institutions admit candidates, with all admissions digitally approved, tracked, and certified—eliminating fake institutes.

Integration with **Centralized Attendance System**

**Common Job Portal**  
Provide preference to MTI candidates by establishing formal MoUs between MTIs and RPSLs, wherein RPSLs commit to employing and placing candidates from designated MTIs for shipboard training.

**Digital Training and Assessment Record**  
Digitize the TAR and map it to specific shipboard berths, enabling online tracking, verification, and digital certification of shipboard training and pre-sea course completion.

# New MTI Module



The **MTI Module** is DG Shipping's **central digital regulatory platform** for overseeing Maritime Training Institutes in India.



It manages **MTI approvals, inspections, faculty records, INDoS generation, and compliance monitoring**, forming the backbone of maritime training governance.



Effective implementation of these reforms requires a **robust, integrated, and technology-enabled MTI platform**



Growing instances of **non-compliance and limited real-time monitoring** have highlighted structural gaps in the existing system.



A **modernized MTI module** is essential to ensure **greater transparency, oversight, improved training quality, and global credibility**.

## DGS is bringing a new MTI Module to:

- **Enhance compliance and oversight** through real-time monitoring of MTIs, inspections, and STCW adherence.
- **Improve training quality and global competitiveness** of Indian seafarers by aligning MTIs with revamped training standards.
- The **new MTI Module will be seamlessly integrated with the CIP, STCW Module, and Digital TAR Book** integrated with Master Checklist to ensure end-to-end regulatory oversight and compliance.

# Common Admission Portal



## What is a Common Admission Portal ?

- A single, centralized digital platform for all students seeking admission to DG Shipping-approved Maritime Training Institutes (MTIs).
- Enables a uniform, transparent, and merit-based admission process for pre-sea maritime courses across India.
- Provides standardized eligibility checks, online applications, document verification, and merit ranking.
- Ensures admissions only to approved MTIs, courses, and sanctioned intake capacities, maintaining regulatory compliance.
- Offers real-time visibility to DG Shipping on admissions, seat allocation, and institute performance.











Stakeholder	Key Responsibilities
Students	Apply for courses, upload documents, track admission status
Maritime Training Institutes (MTIs)	Verify applications, manage course intake & batches, approve admissions
DG Shipping	Monitor institute-wise admissions, ensure compliance with approved intake capacity
Portal Administrators	Manage system operations, control user access

# Examination/Assessment and Certification Reforms: CoC (Written and Oral) by C-DAC and NTA



## End-to-end Digitized

1.  **User Registration** ✓
2.  **Eligibility Assessment** ✓
3.  **Seat Booking** ✓
4.  **Misconduct** ✓
5.  **Conduct of Examination** ✓
6.  **Evaluation & Re-evaluation** ✓
7.  **Data Storage** ✓
8.  **Question Bank & Question Paper** ✓

### Objective

- To create a secure, transparent, fully digital examination system for the competency assessment and certification of seafarers

### Scope

- Covers the full examination lifecycle: from registration to certificate issuance
- Includes both written and oral examinations in hybrid or CBT mode

### Core Features

- Biometric verification, CCTV surveillance, online proctoring
- Encrypted question papers & scanned answer scripts and grievance redressal & feedback mechanisms from candidates

### Impact

- Uniform candidate experience across all MMDs
- Improved exam integrity, operational efficiency, and transparency

# Training Eco-System

## A Digital Transformation for Maritime Education



**Training Ecosystem Vision** is to create a unified, cloud-based digital platform to regulate and modernize maritime training, certification, and skill development.

### Key Features

- Integration of 7 critical modules (e.g., Faculty Development, LMS, Web-Based Simulators) into one cohesive system.
- Real-time oversight and advanced technology for secure, transparent processes.

### Objectives

- Strengthen training delivery and assessment integrity.
- Enhance transparency in certification services.

### Impact

- Transition from paper-based to secure digital platforms.
- Eliminate fraud, bridge academia–industry gaps, and align with modern shipboard technologies.
- Ensure Indian seafarers remain globally competitive.

### Implementation


- Available as a integrated solution with modular approach.
- Represents a strategic shift toward modernized maritime education and continuous professional development.





# Components of Training Eco-System


## A Digital Transformation for Maritime Education





- **1. Learning Management System**

The LMS is a secure, DGS-compliant e-learning platform for standardized maritime training which ensures training integrity through real-time tracking, anti-cheating controls, and assessment access only after full course completion.
- **2. Faculty Development Program (FDP)**

A Faculty Development Program (FDP) is a structured initiative designed to upgrade teaching skills, subject expertise, and professional competencies of faculty members through continuous learning and assessment.
- **3. Digital TAR Book**

The Training and Assessment Record (TAR) Book is a mandatory document that records and verifies a seafarer's structured onboard training and practical competencies.
- **4. Centralized Attendance System (CAS)**

The Centralized Attendance System (CAS) uses facial biometrics to securely verify the presence of candidates, faculty, and administrators across Maritime Training Institutes.
- **5. Web-Based Simulator**

A web-based simulator provides an immersive, interactive platform that replicates real-world maritime scenarios for effective learning and assessment.
- **6. Online Marine Certificates Verification (OMCV)**

Online Marine Certificates Verification (OMCV) is a digital platform that enables secure upload, verification, and digital stamping of maritime certificates to ensure authenticity.



# EVENTS

# Sagar Prashikshan

## National Maritime and Skilling Conclave, 2026



### About the Conclave

- ▶ The proposed **Maritime Training & Skilling Conclave** seeks to provide a common platform for regulators, training institutions, industry stakeholders, and subject matter experts to deliberate on these issues and chart a way forward.
- ▶ The conclave is aligned with the objectives of the STCW Convention and Digital India, aiming to build a transparent, technology-enabled, and industry-responsive maritime training ecosystem that meets evolving global standards.

**Date: 25<sup>th</sup> March 2026 (Wednesday)**

**Location: Mumbai**

**DGS warmly invites participation from up to three members from each MTI.**

### Rationale

- To identify and bridge gaps between maritime training outcomes and industry skill requirements
- To enable structured stakeholder consultation on regulatory, academic, and digital reforms
- To strengthen faculty development and continuous upskilling mechanisms
- To promote adoption of technology-driven training, including LMS and simulation-based learning
- To develop actionable recommendations for a standardized, transparent, and industry-aligned maritime training ecosystem

# National Maritime Games 2026



- DGS will be conducting the **National Maritime Games 2026**, starting with the Zonal Games from November 2026, onwards.
- The Zonal events will be followed by the Final National Games, bringing together top performers from all regions.
- The Games aim to foster sportsmanship, maritime camaraderie, and nationwide participation across MTIs and maritime professionals.



# Maritime 10K Run & Cyclothon 2026



- Directorate General of Shipping is pleased to announce the **Maritime 10K Run & Cyclothon 2026** to be held on **29 March 2026** in Mumbai.
- All the Maritime Training Institutes are requested to encourage maximum participation from their organizations. Your active participation will be instrumental in making this a landmark occasion.

**Registration Link :**

<https://www.fitterindia.com/dgs-maritime-10-k-run-cyclotron-3-0.html>

Last date of registration is **15<sup>th</sup> March 2026** "



**THE WAIT IS OVER**

REGISTRATIONS  
**ARE NOW OPEN FOR THE**  
**DGS MARITIME 10K RUN & CYCLOTRON 3.0 - MUMBAI**

**REGISTER NOW**  
10K Run | 10K Cyclothon

A celebration of fitness, maritime spirit, and community, uniting runners, cyclists, seafarers, and enthusiasts across the city.

Directorate General of Shipping, India | Dgshipping, India | Directorate General of Shipping, India | DGShipping India | Dgshipping, IN



**संगच्छध्वं  
संवदध्वं  
सं वो मनांसि  
जानताम्।**

*“Move together,  
speak together,  
may your minds  
be in harmony.”  
(Rigveda 10.191.2)*