

# Graduate Marine Engineer (GME) Course

*@ Sri Nandhanam Maritime Academy, Tirupattur*

## Purpose

To provide relevant information to prospective students on this course in a detailed and complete manner to assist them in making their Career/ Course Choices.

Option for Young Engineers from Mechanical/ Automobile Engineering Streams and Naval Architects to upgrade their careers as Sailing Maritime Professionals by completing this PG Diploma/ Certification Level Course.

## Course Overview

The Graduate Marine Engineering Course is a one-year residential training programme, in which the cadets undergo theoretical classes, demonstration and hands on training in various in-house Laboratories, Marine control systems and Ship Board Machineries / Equipment installed with our Ship in Campus @ college premises.

The Main focus Areas of this Course are Operation and Maintenance of all kind of Ship Board Machineries and Power Generation systems which includes Main engine, Boiler, Auxiliary Engines, Propulsion System, Power distribution / Control Systems, Hydraulic / Pneumatic machinery, Various kinds of Pumps and various kinds of Safety devices and Alarm System. Candidates involved with troubleshooting with various systems and trained to perform repair and maintenance functions.

This training also facilitates employment opportunities on offshore structures by virtue of the same being sea floating structures similar to ships.

## Course Outcomes

Ability to understand, work and manage the entire Engine Room, other technical operational functions of Sailing Ships / Offshore Platforms. (Ships / Offshore Platforms - Only @ SNMA - dual segment training).

## Course Highlights

1. Complete GME Course as per DGS Syllabus
2. Complete Competencies Training (IMEI TAR Book)
3. Afloat Training (DGS Manual) in Live Ship in Campus
4. PC Based Engine Room Simulators from UK Company
5. Disciplined 366 Day Presea DGS Training Routine
6. Entire 32 Modules Computer Based Training (UK)
7. Course Package includes STCW Courses
8. Course Package includes Placement

## Employment after Course Completion/ CoC Exams`

Work as an Marine Engineer in: (1) Sailing on Merchant Vessels and Cruise Ships; (2) On Offshore Platforms on Sea (after specific additional training of relevant processes); (3) Dry Docks and Ship Building Yards (if trained at SNMA only).

## Certifications Package: Only @ SNMA

- ✓ Graduate Marine Engineer Certification by Directorate General of Shipping
- ✓ Marine/ Offshore Hydraulics Training @ Yuken Hydraulics (Japan)
- ✓ ASTN Level II NDT Training (5 Skills)
- ✓ Switchgear & Panel Board Training @ L&T Training Center
- ✓ Marine Automation Training @ Honeywell Automation College
- ✓ Reliability Maintenance Training @ SKF Training Center (German Co)
- ✓ Engine Room Simulator Training @ MASSA, Chennai
- ✓ Maritime English Marlins ToSE Training / Certification (Officer Level)

## Employment Edge: Only @ SNMA

- ✓ Training fits for dual mode employment in Sailing & Offshore Structures
- ✓ Specific Training on Skills: Job Performance & Retention
- ✓ Corporate & Specialist Certifications: Better Considerations at Recruitment

## Cons @ SNMA: Know the Difference

1. Too much training/ work, elaborate syllabus, extensive knowledge
2. Training exceeds requirements of Sailing Ship ETO Course alone
3. Necessity to complete Corporate Certifications at Facilities in their location
4. Exams Failure at Specialist Certifications: Panel Design, Electrical CADD

## Pros @ SNMA: Know the Difference

- (Optional) Placement Guarantee Programme
- Remain Employed - Dual Segment Training: Sailing Ships & Offshore Platforms
- Corporate Certifications: Priority in recruitment considerations globally
- Addl Subject Skill Certifications: Performance on Your Job & Job Retention
- Cost of all addl certifications included in course fees
- Extensive Laboratory Setup: Around 60000 SFT of Labs
- Ship-in-Campus Training: Familiarity with Operations/ Engine Room/ Bridge
- Simulator Training under Tie-up Arrangements @ Chennai Facility
- Higher Education Institute with 15 Years Experience: Large 50 Acre Campus

## Difference in Studying @ SNMA:

Refer Briefing: Teaching Methodology at Sri Nandhanam Maritime Academy.

## Difference in Placement:

1. Placement Assistance Programme: As usual with all large institutions (Default)
2. Guarantee Placement Programme: Ensures your placement (Optional)
3. All Presea Courses in Single Campus: Reputation of Credibility at Recruitment
4. Short NCV sailing onboard ship experience: Employers feel comfortable

## Comprehension Verification

*Steps to check for student understanding (Tick what you know)*

- ☐ Certification from Authority (DGS/ University/ DoTE/ BEST)
- ☐ Industrial/ Ship Visits, Internships, Workshops / Seminars
- ☐ Simulator Training at Campus and at Chennai: Only at SNMA
- ☐ Certifications Package for Sailing: Only at SNMA

- ❑ Certifications Package for Offshore/ Dry Docks: Only at SNMA
- ❑ Multisegment Job Roles Training: Only at SNMA
- ❑ Extensive Lab Facilities: Only at SNMA
- ❑ Large Campus with all amenities: Only at SNMA
- ❑ Personality Orientation Program: Only at SNMA
- ❑ Short NCV Sailing Experience: Only at SNMA
- ❑ Optional Placement Guarantee Program: Only at SNMA

**Further Details:**

Visit Website @ [www.nandhanam.edu.in/snma](http://www.nandhanam.edu.in/snma)

Write for queries/ additional info to: [admissions@nandhanam.edu.in](mailto:admissions@nandhanam.edu.in)