



NUSI SAKSHAM

- ❖ NUSI has launched “**NUSI Saksham**” an online courses in the year 2020 during COVID pandemic. The skill enhancement Deck Rating, Engine Rating, Pumpman Skill & Lathe-Welding courses at zero cost for our seafarers. This will help seafarers to get gainful employment.
 - ❖ The Pandemic has been extremely challenging for the maritime industry, especially for the human resources personnel. As things seem to be slowly returning to normal, it is imperative that we work towards skilling the Indian seafarer to ensure his position in the global scenario is retained and gains further ground.
- **Welding Certification Programs**
 - **Bridging Courses for Offshore Ratings**
 - **Maritime English Made Easy (MEME)**

WELDING CERTIFICATION PROGRAMS



- ❖ A good welder is an asset onboard and can save valuable resources for the ship owners in terms of time and money. Level of proficiency in welding ranges from 1G to 6G, from simple plates which allow comfortable downward welding to pipes located in complex positions which cannot be removed and brought to workshop and hence need to be welded in their existing positions.
- ❖ Welding Certification Programs at NUSI Offshore Training Institute (NOTI) are offered with support of ISF Group, NUSI's Academic Partners for NOTI and Mohamed Ebrahim Serang Centre (MESCC) at Valsad. Lloyds Register, (LR) is the Certification Partner. The program will be conducted at the brand-new facility developed at NOTI.

ADVANCED WELDING PROGRAMS UP TO 6G LEVEL



- ❖ Theory 4-6 hours (covering some fundamentals, specific pipe welding techniques safety aspects and practical Sessions of 80+ hours.
- ❖ Expert Faculty contributing to:
 - Theory lectures (Physical presence or online live lecture).
 - Inspection of progress at the end of the week.
 - Presence on the final day, welding test in presence of LR surveyor.
 - Workshop instructors with proficiency up to 3G/6G Levels.

BRIDGING COURSES FOR OFFSHORE RATINGS



- ❖ Offshore vessels have a very different skill set requirements from personnel sailing on them and that is true across ranks to the ones sailing on the Main Fleet. There are many differences in the way Offshore vessels and Main Fleet vessel's function. The underlying principles of Safety, Navigation and Engineering maybe the same but the amount of machinery, cargoes carried (if at all carried on Offshore vessels) are starkly different.
- ❖ The courses are 5 day Fully Residential Courses for Deck and Engine Room Ratings with nearly 28 hours of contact time.

Eligibility: Offshore Ratings with a minimum experience of 2 years.

Batch Size: 10 for each course.



Department specific Topics

- Tankers/Bulk Carriers/Containers (Cargo systems/Cargo loading-unloading / Hatch Cleaning/COW etc.)
- Simulation Crane
- Basic Familiarization of Bridge Equipment (Assisting with lookout duties for OOW in traffic, ECDIS-related case study pertaining to lookout men).
- Case Studies & New technical advances in the Maritime Sector.
- Steering Simulator
- Different Main fleet vessel layouts (Pilot, Combination ladders, Accommodation Ladders etc)
- Mooring & Anchoring (Differences in layouts of the mooring stations & Anchoring abilities as well as Mooring patterns at Terminals/Jetties, Types of moorings & best practices, making fast tugs, use of messengers. tying up to buoys, checking anchor cables, marking of shackles, emptying chain lockers, etc.)
- Bridge Watchkeeping (Offshore Deck Ratings who are generally not exposed to Bridge WK)
- Boilers & Incinerators & Hot wells (Generally not found on Offshore Vessels)
- Ballast Water Treatment systems (Offshore vessels rarely make ocean voyages).
- IGG/IG and FW Gens. (Inert Gas Generators & Flash Evaporators)
- Types of Propulsions incl. various fuels and brief idea on scrubbers etc. (Include different types of Fuel...DFD, LNG, Electric etc.)
- General inputs on Welding & Repairs (including a walk-thru the workshop & welding bays.
- HO Purifier (Theory + Practical) (offshore vessels typically work on MDO hence HO Purifier included)
- Simulator ER walk-thru
- Two/Four Stroke Engines Differences & Pro's & Con's.
- Case Studies & New Technical Advances in the Maritime Sector
- Maintenance aspects of machinery (particularly cargo-related) on various types of vessels. Bilge handling & OWS.
- Steering Systems [4-RAM, Vane] (Azimuth main propulsion vessels do not have standard steering

MARITIME ENGLISH MADE EASY (MEME)

Proficiency in English Language at functional level is a must for smooth and efficient operations, safety and pollution prevention on board ships.

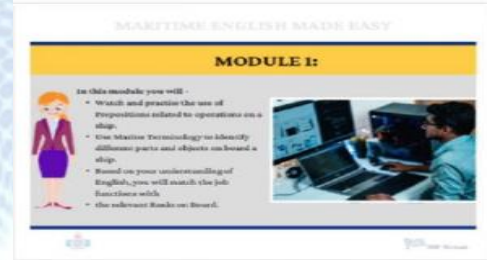
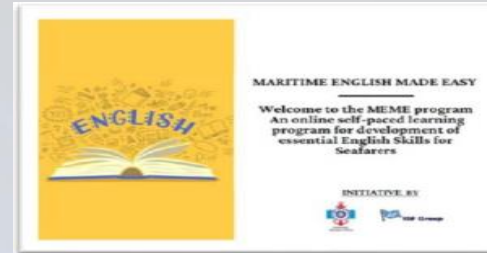
Objectives

On completion of the program the learners will be able to:

- Demonstrate improved proficiency in grammatical structures e.g., prepositions, tenses, sentence structures.
- Interpret and respond with appropriate choice of vocabulary in day-to-day shipboard work situations.
- Express themselves effectively with greater fluency and clearer pronunciation.

Aspects Covered include

1. Basic Grammar
2. Maritime Terminology
3. Reading
4. Listening
5. Phrasing
6. Pronunciation





NUSI SAKSHAM GUIDELINES

New Trainee Initiatives for Seafarers

Deck & Engine Skill Ratings

- One onboard tenure after shore-based Pre-Sea Ratings Training Program

Pumpman Skill Enhancement

- Minimum eligibility criteria: 24 Months

Lathe & Welding

- 24 Months Sailing Experience

3G Welding Program

- Lathe & Welding should be done from a recognized institute.
- 3 year Motorman, 3 year Wiper or 2 year Fitter

Offshore Bridging Deck & Engine

- 24 Months Sailing Experience

NOTE: All the above mentioned courses are at "Zero cost"



National Union of Seafarers of India



Any kind of Queries email

at

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THANK YOU