

## CERTIFICATE COURSE IN MARINE ELECTRO TECHNOLOGY & HIGH VOLTAGE

### COURSE OBJECTIVES-

Develop knowledge and skills in marine electro - technology, focusing on electrical systems and high-voltage equipment handling.

### ABOUT THE COURSE-

This course aims to enhance participants' knowledge and skills in electro-technical work, with a specific focus on handling high-voltage equipment. Through comprehensive safety procedures, participants will learn about testing equipment, compliance with Planned Maintenance Systems (PMS), and identifying particular hazards associated with high-voltage systems. The course covers critical topics such as electrical arc flash and blast, minimum safe distances, special lockout/tagout procedures, testing of high-voltage equipment, and the necessary permits and personal protective equipment (PPE) required for high-voltage work.

Additionally, recent accidents and incidents are reviewed to provide valuable insights into real-world scenarios and lessons learned.

### PARTICIPANTS-

Engine Room Team

### DURATION-

One day

### KEY OBJECTIVES-

- Safety Procedures
- Testing of Equipment and compliance with PMS
- Particular Hazards
- Electrical Arc Flash and Arc Blast
- Minimum Safe Distance
- Special Lock Out / Tag Out Procedures
- Testing of High Voltage Equipment
- High Voltage Work Permit and PPE
- Recent Accidents / incidents

## TRAINERS



### **SANJIVA MEHTA**

Engr. Sanjiva Mehta, a seasoned maritime professional with over 20 years of training experience, brings a wealth of expertise to the field. Formerly with FOSMA Training Institute and Wallem Maritime, he specializes in ME Engines, Fuel Optimization, and safety management. With a background as a Chief Engineer, his leadership and technical prowess make him a valuable asset in shaping maritime education and training initiatives. His tenure as Head of Wallem Training Institute underscores his commitment to excellence in training and development within the maritime industry.



### **SHASHI GANGHAS**

Shashi Ganghas, a Senior Technical Superintendent, brings over 12 years of shore-based experience and 24 years of maritime expertise to his training role. With a background spanning technical management, inspections, audits, and quality assurance, he possesses a deep understanding of vessel operations. Shashi's extensive sailing experience as a Chief Engineer on Oil and Chemical Tankers provides practical insights into his training methodologies. Proficient in preventive maintenance, planned repairs, and dry-docking of large ships, along with expertise in ISM/ISPS/STCW and Class and Flag State requirements, he is well-equipped to deliver comprehensive training programs in the maritime industry.