

**ANNUAL TRAINING CALENDAR FOR THE YEAR 2024**  
**MARINE NAVIGATION TRAINING INSTITUTE - KOLKATA**

Sl. No.	Name of the course	Course duration	Course intake	Areas proposed to be covered	Faculty
1.	2.	3.	4.	5.	6.
1	Induction Course for NA II/ NAIII/ Technicians (Newly recruited)	02 weeks ( 29 <sup>th</sup> Jan 2024 to 9 <sup>th</sup> Feb 2024)	12	DGLL and International/National Organizations	Smt Sulekha Singh, AEE
Etiquette, manners and Discipline				Shri Abdullah Rafique, DD	
Lighthouse Orders				Shri P Sriramulu, DD	
General Administration				Guest faculty	
Pay, leave and disciplinary procedures					
MS Office (Ms Word & Ms Excel)				Guest Faculty	
Visual AtoNs				Shri S Kalagnathan, AEE	
Automation of Lighthouse					
Radio AtoNs				Shri K Sudheesh, AEE	
RACON, DGPS, NAIS					
Solar Power Plants & Maintenance				Guest Faculty	
IALA Buoyage system & maintenance	Smt Sulekha Singh, AEE				
Power supply for AtoNs	Shri Amit Kumar, AEE				
Preparation of estimates & drawings	Shri A K Bhar, AE				
Tendering on GeM and CPPP Portal	Shri S K Ghosh, AEE				
VTS	Shri Ajeet Kumar, AEE				
Gen set maintenance & repair	Guest Faculty (M/s Kirloskar)				
General Electrical and Mechanical	Shri A K Pal, AE(M)				

				Maintenance	Shri AK Bhar, AE(E)
2.	Design, establishment and maintenance of Solar Power plants (Tech(E)/Tech(EL)/NA I, II & III)	01 week (4 <sup>th</sup> Mar 2024 to 8 <sup>th</sup> Mar 2024)	12	Introduction, basic concepts and components of solar power plants	Guest faculty (M/s Rockland Solar/Tata Solar/ Vikram Solar )
				Need assessment and Design of Solar plants, PV Modules	
				Solar batteries, PCU/charge controllers, associated switch gears, earthing, metering and structures/civil works	
				Integration and commissioning of Solar power plants	
				Practical exposure to Solar power plants General Maintenance of Solar power plants	
3.	General Administration and Vigilance Procedures (LDC/UDC/OS/EO)	01 weeks (1 <sup>st</sup> Apr 2024 to 5 <sup>th</sup> Apr 2024)	12	General Administration & Establishment matters	Guest faculties
				Fixation of Pay, Pension	
				New Pension Scheme & Service book	
				Disciplinary , Vigilance Procedures, RTI Drafting of correspondences.	
4.	Vessel Traffic Service Supervisor Course C0103/2	02 week (22 <sup>nd</sup> Apr 2024 to 03 <sup>rd</sup> May 2024 )	08	As per IALA C0103/2 Model Course	VTS Guest Faculty (ARI/IMU/Sea skill/Aatash / VTS Manager )
6.	Workshop program on AutoCAD (Draftsman/JE(C) /AE(C))	01 week (10 <sup>th</sup> Jun 2024 to 14 <sup>th</sup> Jun 2024)	12	Introduction to AutoCAD, Tools	Guest faculty (M/s CADD Centre Training Pvt Ltd / AICCE,
				Modify Tools, Grip editing, Floor plan	
				Drafting, Layout	
				Layer Management, Plot control	

				Leader, Parametric Modeling, Master Plan Drawing	Kolkata)
				Introduction to 3D Modeling	
7.	Electrical and electronics maintenance Tech(E)/Tech(EL)/NA-I/NA-II/NA-III	01 week ( 24 <sup>th</sup> Jun 2024 to 28 <sup>th</sup> Jun 2024)	12	Selection of Cable, Wire capacity in relation with load Electrical Wiring	Shri AK Bhar, AE(E)
				Switch gears and protection devices	Shri SK Ghosh, AEE
				Earthing, Lightning Protection, IR & ER Test	Guest Faculty
				Maintenance of AC/DC Power Devices (UPS, Charger, DC Power Supply)	(M/s Havells Ltd )
				MCB, MCCB	
8.	Vessel Traffic Course for RT/SRT/NA	01 week ( 8 <sup>th</sup> Jul 2024 to 12 <sup>th</sup> Jul 2024)	12	Radar	Faculty from DGLL / M/s Aatash
				AIS	
				Microwave Communication	
				Meteorological Device	
				VTS Service	
9.	PFMS Course for AAOs/Accounts Staffs	01 week (22 <sup>nd</sup> July-26 <sup>th</sup> July 2024)	12	Basic Features	Guest faculties
				operation	
				Salary and Allowances	
				Income Tax and GST	
				Bhavishya	
10.	Technical course on PLC, SCADA and Automation	01 week (29 <sup>th</sup> Jul 2024 to 2 <sup>nd</sup> August 2024)	12	Introduction to SCADA, PLC Programming	Shri Mahendra Nagrale, AEE
				Hardware, Transducer used in LH	Shri Babu BR, AEE

				Automation, I/P & O/P devices	
				Types of Various connectors and other hardware (BNC,RJ45,interface modern, switches and Routers)	Shri Jayant Charaborty, AEE
				Remote Control and Automation of Lighthouses	Shri Sudheesh K, AEE
				Satellite Communication	Shri Sudheesh K, AEE
11.	Maintenance and repair of Silent Gen sets (Tech (Diesel)/	01 week (05 <sup>th</sup> Aug-09 <sup>th</sup> Aug 2024)	12	Introduction, Principal of operation, construction of DG sets,types of DG sets	Guest faculties (M/s Kirloskar, Kolkata)
				DG set Engines, troubleshooting and maintenance	
				DG set alternators, AMF panel, troubleshooting and maintenance	
				Visiting Kirloskar training facility for practical sessions	
				New generation DG sets,	
12.	MS Office Course for LDC/ UDC/OS/Hindi Translator	01 week (19 <sup>th</sup> Aug 2024 to 23 <sup>rd</sup> Aug 2024)	12	MS Word (Theory & Practical)	Guest faculty (M/s National Skill Development Corporation/ Vrdhi Educators)
				MS Excel (Theory & Practical)	
				Advance Excel (Theory & Practical)	
				MS Power Point (Theory &Practical)	
				MS Access (Theory & Practical)	
13.	Training to LHA	01 week (9 <sup>th</sup> Sep 2024 to 13 <sup>th</sup> Sep 2024)	12	Organization and discipline	Smt. Sulekha Singh, AEE
				Basic Engineering aspects related to station equipment	Shri S K Ghosh, AEE
				General Maintenance of Lighthouse and light equipment	Shri Sudipta Sen, RO

				Electrical maintenance Fire Fighting and First Aids	Shri Abdullah Rafique, DD
				Maintenance of Gen sets and misc. maintenance work	Shri A K Bhar, AE
14.	Vessel Traffic Service Operator Course C0103/1	02 weeks (14 <sup>th</sup> Oct 2024 to 25 <sup>th</sup> Oct 2024)	08	As per IALA C0103/1 Model Course	VTS Guest Faculty (ARI/IMU/Sea Skill/ Aatash/ VTS Manager)
15.	IALA Level – 1 AtoN Manager Course	04 Weeks 4 <sup>th</sup> Nov 2024 to 29 <sup>th</sup> Nov 2024	12	As per IALA R0141	IALA Guest Faculty, Dept. AtoN managers Faculty from IMU/IMD/NHO