

CERTIFICATE

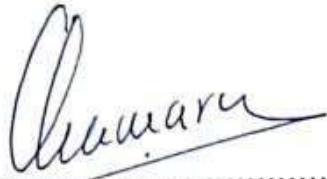
This is to certify that **Ms. S.M.T.N. Samarathunge (7300812)** N.I.C. No. 200085900279, attached to the **University of Peradeniya**, has undergone industrial training in this organization as a **"Mechanical Engineering"** student for a period of **12 Weeks** from **31st of July 2023** to **20th of October 2023**.

WORKSHOP	PERIOD	DESCRIPTION OF TRAINING
Training Center	02 Days	Safety & Security induction, General knowledge on yard practice & Introduction of on-board vessel.
Engine Fitting Shop	01 Week	Maintenance & Overhauling of Marine engines, Auxiliary engines, and their subcomponents such as Turbo chargers, Propellers, Stern tube bearings, Valves, Heat exchangers & Pumps.
Ship Repair Division	02 Weeks	Dismantling & Assembling of Main engine & Marine units such as Auxiliary machinery, Turbo chargers, Propellers, Propeller shafts, Valves & Stern tube bearing and Alignment of propeller shafts.
Metal Workshop	02 Weeks	Fabrication work of old pipelines, deck components and beds. Introduction to Welding processes of SMAW, GTAW and GMAW flame cutting, rolling, shearing, and bending of steel plates.
Maintenance Workshop	02 Weeks	Repairs of plant & equipment such as Air Compressors, Chain blocks, Hydraulic jacks & Pumps. Overhauling of generator engines & Air compressors.
Quality Control	01 Week	Non-destructive testing of welded joints using Dye penetrant, Magnetic particle inspection and Radiography Testing Methods. Thickness gauging using Ultrasonic test equipment.
Hull Construction	03 Weeks	Introduction to fabrication & welding of new units, Flame cutting, Plate marking, Bending, Rolling & Marking of hull frames structures on templates.

WORKSHOP	PERIOD	DESCRIPTION OF TRAINING
Calibration	01 Week	Alignments by Piano wire method, Crankshaft deflections, Calibration of Piston rods, Liners, Stuffing box, Turbo chargers, Gudgeon pins, Piston rings & Rudder.

Special Project

Development of an **Advanced Shipyard Allocation and Scheduling** software for streamlining unit fabrication process.



D. C. C. Kulawardhana
Asst. Engineer (Training & Development)
Colombo Dockyard PLC
(Company No. PQ 50)

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D.C.C. Kulawardhana
Assistant Engineer (Training & Development)