

**CERTIFICATE COURSE
ON
PORT AND HARBOUR ENGINEERING
DECEMBER 26-30, 2023**



For Engineers from Port Industry

Conducted by



**DEPARTMENT OF OCEAN ENGINEERING
IIT MADRAS
CHENNAI – 600 036.**

COURSE OUTLINE

Day 1	Greenfield port development <ul style="list-style-type: none">• Data collection• Risk assessment and design life• Operational aspects• Layouts and facilities• Case studies
Day 2	DREDGING AND RECLAMATION <ul style="list-style-type: none">• Dredging And Reclamation• Methods And Equipment for Dredging• Rate Analysis & Cost Estimate• Management of Risks
Day 3	DETAILED PROJECT REPORTS <ul style="list-style-type: none">• Feasibility Study and Detailed Project Reports<ul style="list-style-type: none">○ LNG/LPG Berths/Coal Berths○ Clean Cargo (Containers and dry bulks)• Mathematical & Physical Model Studies• Economic feasibility
Day 4	DETAILED ENGINEERING AND DESIGN <ul style="list-style-type: none">• Engineering for Marine Structures<ul style="list-style-type: none">○ Piled structures.○ Breakwater and shore protection○ Superstructures• Design Methods and Limitations
Day 5	CONSTRUCTION AND SUPERVISION ASPECTS <ul style="list-style-type: none">• Pile Foundation• Breakwater• Dredging and reclamation• Repair And Rehabilitation

REGISTRATION DETAILS

Course Fee : Rs 100,000 +GST per candidate for 5 day course including accommodation in IITM Guest house
Rs 90,000 +GST per candidate for 5 day course excluding accommodation in IITM Guest house

Nomination : Send email to STC.Portandharbour@gmail.com

Last Date : Closes Soon

Contact : Mrs. R. Deepa, **2257 4819, Mobile : 90430 76017**
Department of Ocean Engineering, IIT Madras – 36