

NAVAL ARCHITECT QUESTIONNAIRE

Name		Age		Ref	
E-mail		Date	DD	MM	YYYY
Nationality		Expected Salary (QR)		Notice Period (Days)	
Presently Available for Interview in Qatar?	Yes	Qatar Phone			
Highest Educational Attainment & Year					
Are you an experienced Auditor for ship board audits to ISM/ISPS standards?					
Designated Person Ashore (DPA) and Company Security Officer (CSO) for ISPS?					

NO	Description	None	Familiar	Average	Good	Excellent
1	Finite Element Analysis & Matlab programming					
2	Produce detailed designs of vessels using drawings and specialist software					
3	Develop test procedures including computer modelling and scale models					
4	Sourcing and purchasing components, equipment and materials					
5	Understanding of hydraulics, materials testing, electrical theory					
6	Study design proposals and specifications to establish basic characteristics of craft, such as size, weight, speed, propulsion, displacement, and draft					
7	Oversee construction / testing of prototype in model basin, develop sectional & hull waterline curves, establish center of gravity, ideal hull form, buoyancy / stability data					
8	Design propulsion and steering systems					
9	Select materials, write specifications for suppliers and construction workers					
10	Prepare system layouts and detailed drawings and schematics					
11	Inspect marine equipment, draw up work requests and job specifications					
12	Evaluate how ships perform during trials, both in the dock and at sea, and change designs as needed to make sure that standards are met					
13	Provide engineering solutions, technical / commercial guidance, support & project management for concept design studies, new constructions, refits and conversions					
14	Conduct a risk analysis of ships and marine structures, using IACS classification & IMO regulations, to assess aspects of design such as strength, stability & lifesaving					
15	Prepare cost estimates, contract specifications, design & construction schedules					
16	Plan the whole build process of a vessel, managing everything from concept through to delivery of the final product					

Please put a (√) next to the subject that applies to you:

- Damage Stability Analysis
 Intact stability analysis
 Ships' loading analysis
 Mooring analysis
 Dry-docking calculations and analysis
 Inclining experiments and deadweight surveys

NAVAL ARCHITECT TECHNICAL STUDY

Please design a simple barge using steel pipes and steel grating deck supported by steel beams, to transport loads of 15 tons (5 tons/m²). Pipes can be 12m x 1200mm (9.53mm wall thickness), and deck should steel grating on steel beams, deck size 12m x 6m. barge should include towing bollards from both sides and 4-point lifting hooks.

Please provide sketches with cross-sections of your design including all design calculations, bill of materials, specifications, and rough cost estimate, for evaluation.