

**CURRICULUM FOR TWO-YEAR M. Tech. PROGRAM IN
DREDGING AND HARBOUR ENGINEERING**

(Tentative)

First Semester

S.No.	Subject No.	Subject Name	L	T	P	C
1.	DH50001	Port and Harbour Structures	3	0	0	3
2.	NA50003	Safety, Pollution Control and Security	3	0	0	3
3.	DH50005	Port and Coastal Hydrodynamics	3	0	0	3
4.	DH50007	Marine Materials and Corrosion	3	0	0	3
5.	DH50009	Dredgers and Harbour Craft	3	0	0	3
6.	NA50901	Industrial Seminar	0	0	3	2
7.	NA50701	Ship Drawing	0	0	3	2
8.	DH50703	Laboratory	0	0	3	2
9.	DH50801	Harbour Structural Analysis Project	0	0	3	2
		TOTAL	15	0	12	23

Second Semester

S.No.	Subject No.	Subject Name	L	T	P	C
1.	DH50002	Dredging Equipment and Slurry Transportation	3	0	0	3
2.	DH50004	Ship Handling in Ports and Harbours	3	0	0	3
3.	DH50006	Sea-bed Mechanics	3	0	0	3
4.		Elective – I	3	0	0	3
5.		Elective – II	3	0	0	3
6.	NA50902	Computer Software Laboratory	0	0	3	1
7.	DH50802	Dredging/ Port Design Project	0	0	12	6
		TOTAL	15	0	15	22

Third Semester

S.No.	Subject No.	Subject Name	L – T – P	C
10.		Elective - III	3 0 0	3
11.		Elective - IV	3 0 0	3
12.	DH50801	Comprehensive Viva-voce		3
13.	DH50901	Project -I		14
		TOTAL		23

Fourth Semester

S.No.	Subject No.	Subject Name	L – T – P	C
8.	DH50902	Project - II		20
		TOTAL		20

TOTAL CREDITS FOR THE WHOLE COURSE**88**

Electives I to IV

Subject No	Subject Name	L	T	P	C
DH50008	Hydrographic Survey	3	0	0	3
DH50010	Cargo Handling in Ports	3	0	0	3
DH50012	Engineering Economics	3	0	0	3
NA50008	CAD CAM in Ship Design & Production	3	0	0	3
NA50010	Marine Machinery & Systems	3	0	0	3
NA50012	Design of Offshore Structures	3	0	0	3
NA50011	Advanced Structural Analysis	3	0	0	3
NA50013	Computational Fluid Dynamics	3	0	0	3
DH50011	Optimisation Methods	3	0	0	3
DH50013	Marine Management	3	0	0	3

Note: **L = Lectures**
 T = Tutorials
 P = Practicals
 C = Credits