## SUBJECT NO-NA31002, SUBJECT NAME- MARINE DESIGN

LTP- 3-1-0,CRD- 4

## SYLLABUS :-

Engineering design - philosophy and definition; Marketing principles in marine environment; Classification of marine vehicles on the basis of mission analysis; Properties of cargo; Engineering economic criteria and complexities, operating cost, optimal vessel design; Design spiral, concept design, objectives and constraints, preliminary design; Hull form design and development; General arrangement design - space and volume layout, access arrangements.