



DEMAND

PAVIATH INTEGRATED SOLUTION

ENGG ALLIED

MECHANICAL

MARINE AUXILIARY MACHINERY – II

Paviath ONLINE

◆ MECH ALLIED ◆ MARINE ENGINEERING ◆ SEMESTER VII ◆ ENGINEERING CODE MV6704

### COURSE OBJECTIVE

TO IMPART KNOWLEDGE ON THE WORKING PRINCIPLE OF MARINE AUXILIARY MACHINERIES

### COURSE OUTCOME

- THE CONSTRUCTION, OPERATION, MAINTENANCE OF INCINERATOR AND SEWAGE PLANT.
- THE CONSTRUCTION, OPERATION, MAINTENANCE OF OILY WATER SEPARATOR AND PURIFIERS
- THE CONSTRUCTION OPERATION, MAINTENANCE OF SEWAGE PLANT.
- ALIGNMENT OF SHAFTING SYSTEM
- DRY DOCKING OF SHIPS
- MAINTENANCE AND REPAIR OF EQUIPMENTS , MACHINERY FITTED IN SHIPS

### COURSE CONTENT

UNIT I OPERATION & MAINTENANCE.  
UNIT II THEORY OF OIL PURIFICATION /AIR COMPRESSOR.  
UNIT III METHODS OF SHAFT ALIGNMENT.  
UNIT IV DRY DOCKING.  
UNIT V MAINTENANCE AND REPAIR AT MANAGEMENT LEVEL, LEADERSHIP AND MANAGERIAL SKILLS

### REFERENCE BOOKS

1. DW SMITH "MARINE AUXILIARY MACHINERY", 6TH EDITION, BUTTER WORTHS LONDON, 1987.
2. HDMC GEORGE, "MARINE AUXILIARY MACHINERY" 7TH EDITION, BUTTER WORTHS, LONDON, 2001.
1. D.K. SANYAL, "PRINCIPLE AND PRACTICES OF MARINE DIESEL ENGINE" 2ND EDITION, BHANDARKAR PUBLICATION, MUMBAI, 1998
2. MARPOL 73/78, IMO PUBLICATIONS, 2001.
3. WOOD YARD, DOUG, "POUNDER'S MARINE DIESEL ENGINE" 7TH EDITION, BUTTER WORTHS HEINEMANN PUBLICATIONS, LONDON, 2001
4. "PUMPING AND PIPING DIAGRAM", IME PUBLICATION
5. HEINZ P. BLOCH, FRED K. GETTNER, "MACHINERY COMPONENT MAINTENANCE AND REPAIR" 3RD ED. AN IMPRINT OF ELSEVIER, 2010

### COURSE SOFTWARE

- ◆ APM WINMACHINE (MULTIPHYSICS)
- ◆ KOMPAS 2D/3D/PDM/BOM
- ◆ VARICAD 2D/3D/PDM/BOM
- ◆ UNIVERSAL MECHANISM(MBD).
- ◆ SAM (MECHANISM DESIGN)
- ◆ SALTIRE SOFTWARE
- ◆ DOCUMENTATION & PRINTING

### APM WINMACHINE

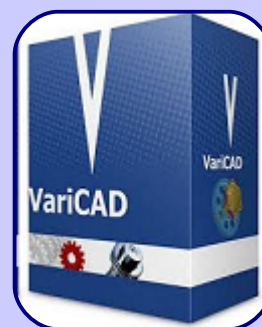
APM CAM/APM PLAIN/APM SCREW/APM STRUCTURE3D/APM DYNAMICS/APM BEAM/APM GRAPH/APM STUDIO  
APM DRIVE/APM TRANS/APM SHAFT/APM BEAR/APM JOINT/APM SPRING/APM BASE/APM MECHANICAL DATA/APM MATERIAL DATA/APM SECTION DATA/APM CONSTRUCTION DATA/APM BOOK



APM WINMACHINE



KOMPAS 3D



VARICAD

DESCRIPTION	ONLINE	TRAINING CENTRE	WEBINAR	REMARKS
MARINE AUXILIARY MACHINERY – II	REGISTRATION	DOCUMENTS	COUNSELLING	OWN LAPTOP
ONLINE	2/UNIT TRAINING	4/UNIT ASSIGNMENT	2/UNIT ASSIGNED	SCHEDULE
PRESENTATION	WEBINAR	NETWORK	PRESENTATION	2/UNIT ASSIGNED
PERIOD	2 HRS/1/UNIT IN SEQUENCE	NETWORKING/HRS*	PRESENTATION	* BROWSING FEE
PRICE (SEMESTER)	BY MAIL	* BROWSING FEE	NO COST	CERTIFICATE

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