



DEMAND

PAVIATH INTEGRATED SOLUTION

ENGG SPECIALIZED

MECHANICAL

MECHANICAL DESIGN

Paviath ONLINE

◆ SYLLABUS PROGRAM ◆ MECHANICAL DESIGN ◆ SPECIALIZED BRANCH

COURSE OUTCOME

- ABILITY TO MAKE THE DESIGN OF TRANSMISSION SYSTEMS USING GEAR
- UNDERSTANDING SHAFT AND COUPLING DESIGN PROCEDURE
- ABILITY TO SELECT BELTS AND BEARINGS FOR GIVEN DESIGN REQUIREMENTS.
- KNOWLEDGE OF FRICTION DRIVES.

COURSE CONTENTS

- UNIT I DESIGN OF GEARS.
- UNIT II DESIGN OF SHAFTS AND COUPLINGS.
- UNIT III SELECTION OF V BELTS AND CHAINS.
- UNIT IV ROLLING CONTACT BEARINGS.
- UNIT V FRICTION DRIVES.

COURSE OBJECTIVE

TO GAIN KNOWLEDGE IN THE DESIGN OF COMMON TYPES OF MACHINE ELEMENTS

REFERENCE BOOKS

1. ROBERT L. MOTT, "MACHINE ELEMENTS IN MECHANICAL DESIGN", MACMILLAN PUBLISHING CO., LONDON, 1992.
2. SHIGLEY AND MISCHE, "MECHANICAL ENGINEERING DESIGN", MCGRAW HILL, INC., NEW DELHI, 2000.
1. BANDARI V B, "DESIGN OF MACHINE ELEMENTS", TATA MCGRAW HILL PUBLISHERS CO. LTD., NEW DELHI, 2003.
2. ROBERT L. NORTAN, "MACHINE DESIGN-AN INTEGRATED APPROACH", PEARSON PUBLISHERS, NEW DELHI, 2003.
3. MAITRA G M, "HANDBOOK OF GEAR DESIGN", TATA MCGRAW HILL, NEW DELHI, 1998
4. FACULTY OF MECHANICAL ENGINEERING, PSG COLLEGE OF TECHNOLOGY, "DESIGN DATA BOOK", M/S. DPV PRINTERS, COIMBATORE, 2000

COURSE SOFTWARE

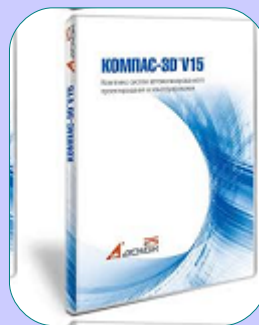
- ◆ APM WINMACHINE (MULTIPHYSICS)
- ◆ KOMPAS 2D/3D/PDM/BOM
- ◆ VARICAD 2D/3D/PDM/BOM
- ◆ UNIVERSAL MECHANISM(MBD).
- ◆ SAM (MECHANISM DESIGN)
- ◆ SALTIRE SOFTWARE
- ◆ DOCUMENTATION & PRINTING

APM WINMACHINE

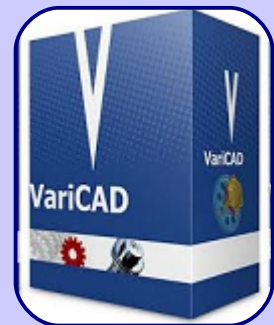
APM CAM/APM PLAIN/APM SCREW/APM STRUCTURE3D/APM DYNAMICS/APM BEAM/APM GRAPH/APM STUDIO
APM DRIVE/APM TRANS/APM SHAFT/APM BEAR/APM JOINT/APM SPRING/APM BASE/APM MECHANICAL DATA/APM MATERIAL DATA/APM SECTION DATA/APM CONSTRUCTION DATA/APM BOOK



APM WINMACHINE



KOMPAS 3D



VARICAD

PRODUCTION ENGG	MECH & AUTOMATION ENGG	MECH ENGG (SANDWICH)	ROBOTICS AND AUTOMATION	MECHATRONICS ENGG
			MECHANICAL DESIGN	
			SEMESTER - V	
			ROB503	
DESCRIPTION	ONLINE	TRAINING CENTRE	WEBINAR	REMARKS
MECHANICAL DESIGN	REGISTRATION	DOCUMENTS	COUNSELLING	OWN LAPTOP
ONLINE	2/UNIT TRAINING	4/UNIT ASSIGNMENT	2/UNIT ASSIGNED	SHEDULE
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