



DEMAND

PAVIATH INTEGRATED SOLUTION

ENGG SPECIALIZED

MECHANICAL

THEORY OF MACHINES

Paviath ONLINE

◆ SYLLABUS PROGRAM ◆ THEORY OF MACHINES ◆ SPECIALIZED BRANCH

COURSE OBJECTIVE
TO UNDERSTAND THE BASIC
CONCEPTS OF MECHANISMS AND
MACHINERY

COURSE CONTENTS
UNIT I MECHANISMS.
UNIT II FRICTION.
UNIT III GEARING AND CAMS.
UNIT IV BALANCING.
UNIT V VIBRATION THICK CYLINDERS

COURSE OUTCOME
UPON COMPLETION OF THIS COURSE, THE
STUDENTS CAN ABLE TO PREDICT THE FORCE
ANALYSIS IN MECHANICAL SYSTEM AND RELATED
VIBRATION ISSUES AND CAN ABLE TO SOLVE THE
PROBLEM

REFERENCE BOOKS

1. BANSAL DR.R.K. "THEORY OF MACHINES" LAXMI PUBLICATIONS (P) LTD., NEW DELHI 2001
2. RATTAN S.S. "THEORY OF MACHINES" TATA MCGRAW HILL PUBLISHING CO., NEW DELHI, 2002.
1. RAD J.S. AND DUKKIPATI R.V. "MECHANISM AND MACHINE THEORY" SECOND EDITION, WILEY EASTERN LIMITED, 1992.
2. MALHOTRA D.R. AND GUPTA H.C. "THE THEORY OF MACHINES" SATYA PRAKASAM, TECH. INDIA PUBLICATIONS, 1989
3. GOSH A AND MALLICK A.K. "THEORY OF MACHINES AND MECHANISMS" AFFILIATED EAST WEST PRESS, 1989
4. SHIGLEY J.E. AND CHICKER J.J. "THEORY OF MACHINES AND MECHANISMS" MCGRAW HILL, 1986.

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

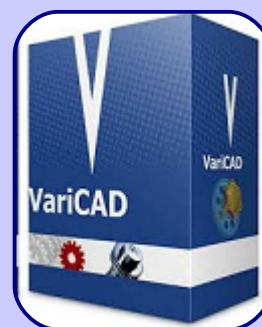
APM CAM/APM PLAIN/APM SCREW/APM
STRUCTURE3D/APM DYNAMICS/APM
BEAM/APM GRAPH/APM STUDIO
APM DRIVE/APM TRANS/APM SHAFT/APM
BEAR/APM JOINT/APM SPRING/APM
BASE/APM MECHANICAL DATA/APM
MATERIAL DATA/APM SECTION DATA/APM
CONSTRUCTION DATA/APM BOOK



APM WINMACHINE



KOMPAS 3D



VARICAD

PRODUCTION ENGG	MECH & AUTOMATION ENGG	MECH ENGG (SANDWICH)	ROBOTICS AND AUTOMATION	MECHATRONICS ENGG
THEORY OF MACHINES	KINEMATICS AND DYNAMICS OF MACHINERY	KINEMATICS OF MACHINERY	KINEMATICS AND DYNAMICS OF MACHINERY	KINEMATICS OF MACHINERY
SEMESTER IV	SEMESTER IV	SEMESTER III	SEMESTER IV	SEMESTER III
PR6402	AN6402	ME6401	AN6402	ME6401
DESCRIPTION	ONLINE	TRAINING CENTRE	WEBINAR	REMARKS
THEORY OF MACHINES	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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