



DEMAND

PAVIATH INTEGRATED SOLUTION

ENGG SPECIALIZED

MECHANICAL

COMPUTER AIDED PRODUCT DESIGN

Paviath ONLINE

◆ SYLLABUS PROGRAM ◆ COMPUTER AIDED PRODUCT DESIGN ◆ SPECIALIZED BRANCH

COURSE OBJECTIVE

TO INTRODUCE THE CONCEPTS AND APPLICATIONS OF CAD. TO INTRODUCE THE VARIOUS CONCEPTS AND TECHNIQUES USED FOR PRODUCT DESIGN AND TO DEVELOP PRODUCT DESIGN SKILLS.

COURSE CONTENTS

UNIT I INTRODUCTION TO COMPUTER AIDED DESIGN.
UNIT II COMPUTER GRAPHICS FUNDAMENTALS.
UNIT III GEOMETRIC MODELING.
UNIT IV PRODUCT DESIGN CONCEPTS.
UNIT V PRODUCT DATA MANAGEMENT

COURSE OUTCOME

UPON COMPLETION OF THIS COURSE, THE STUDENTS CAN ABLE TO APPLY GEOMETRIC MODELING PRINCIPLES TO DESIGN A COMPONENT AND ALSO ABLE TO MANAGE THE PRODUCT DATA AND APPLY PRODUCT LIFE CYCLE MANAGEMENT TO INDUSTRIAL COMPONENTS.

REFERENCE BOOKS

1. KEVIN OTTO, KRISTIN WOOD, "PRODUCT DESIGN", PEARSON EDUCATION, 2000
2. IBRAHIM ZEID, "CAD/CAM THEORY AND PRACTICE", TATA MCGRAW HILL, 1991.
1. BIREN PRASAD, "CONCURRENT ENGINEERING FUNDAMENTALS VOL.II", PRENTICE HALL, 1997.
2. JAMES G.BRALLA, "HANDBOOK OF PRODUCT DESIGN FOR MANUFACTURING", MCGRAW HILL, 1994
3. DAVID F.ROGERS.J. ALAN ADAMS, "MATHEMATICAL ELEMENTS FOR COMPUTER GRAPHICS", MCGRAW HILL, 1990

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

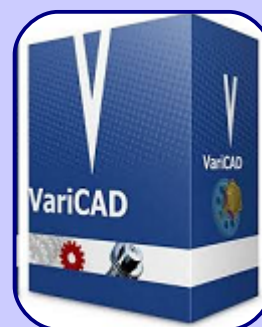
APM CAM/APM PLAIN/APM SCREW/APM STRUCTURE3D/APM DYNAMICS/APM BEAM/APM GRAPH/APM STUDIO
APM DRIVE/APM TRANS/APM SHAFT/APM BEAR/APM JOINT/APM SPRING/APM BASE/APM MECHANICAL DATA/APM MATERIAL DATA/APM SECTION DATA/APM CONSTRUCTION DATA/APM BOOK



APM WINMACHINE



KOMPAS 3D



VARICAD

PRODUCTION ENGG	MECH & AUTOMATION ENGG	MECH ENGG (SANDWICH)	ROBOTICS AND AUTOMATION	MECHATRONICS ENGG
COMPUTER AIDED PRODUCT DESIGN	DESIGN OF MACHINE ELEMENTS	COMPUTER AIDED DESIGN		COMPUTER AIDED DESIGN
SEMESTER VI		ELECTIVE VI		SEMESTER VII ELECTIVE III
PR6601		ME6501		ME6501
DESCRIPTION	ONLINE	TRAINING CENTRE	WEBINAR	REMARKS
MACHINE ELEMENTS DESIGN	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

info@paviathintegratedsolution.com - www.paviathintegratedsolution.com - www.paviathjobportal.com