



DEMAND

PAVIATH INTEGRATED SOLUTION

ENGG SPECIALIZED

MECHANICAL

DESIGN OF JIGS, FIXTURE AND PRESS TOOLS AND DRAWING

Paviath ONLINE

◆ SYLLABUS PROGRAM ◆ DESIGN OF JIGS, FIXTURE AND PRESS TOOLS AND DRAWING ◆ SPECIALIZED BRANCH

COURSE OBJECTIVE

TO INTRODUCE THE CONCEPTS OF VARIOUS TYPES OF JIGS, FIXTURES AND DIES
TO DESIGN AND DRAW JIG / FIXTURE/ DIE FOR A GIVEN COMPONENT

COURSE CONTENTS

UNIT I LOCATION AND CLAMPING DEVICES IN JIGS AND FIXTURES.
UNIT II DESIGN OF ELEMENTS OF JIGS AND FIXTURE.
UNIT III PRESS WORKING OPERATION AND FORMING DIES.
UNIT IV ELEMENTS OF DIE.
UNIT V DESIGN AND DRAWING DIES, JIGS AND FIXTURES.

COURSE OUTCOME

UPON COMPLETION OF THIS COURSE, THE STUDENTS CAN ABLE TO DESIGN JIGS, FIXTURES AND PRESS TOOLS AND DRAWING.

REFERENCE BOOKS

1. DONALDSON, B.H. LECAIN, GOOLD V.V., TOOL DESIGN, TMH EDITION, 1978.
2. KEMPSTER M.H.A., INTRODUCTION TO JIGS AND FIXTURES, ELBS EDITION, 1976
1. HANDBOOK OF METAL FORMING, KURT LUNGE, MCGRAW HILL, PUB.CO. 1985.
2. PAQUIN, DIE DESIGN FUNDAMENTALS, INDUSTRIAL PRESS INC, NEW YORK, 1979
3. ASTM, FUNDAMENTALS OF TOOL DESIGN, PRENTICE HALL 1974

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

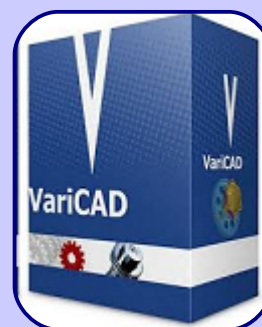
APM CAM/APM PLAIN/APM SCREW/APM STRUCTURE3D/APM DYNAMICS/APM BEAM/APM GRAPH/APM STUDIO
APM DRIVE/APM TRANS/APM SHAFT/APM BEAR/APM JOINT/APM SPRING/APM BASE/APM MECHANICAL DATA/APM MATERIAL DATA/APM SECTION DATA/APM CONSTRUCTION DATA/APM BOOK



APM WINMACHINE



KOMPAS 3D



VARICAD

PRODUCTION ENGG	MECH & AUTOMATION ENGG	MECH ENGG (SANDWICH)	ROBOTICS AND AUTOMATION	MECHATRONICS ENGG
DESIGN OF JIGS, FIXTURE AND PRESS TOOLS AND DRAWING	DESIGN OF JIGS, FIXTURE AND PRESS TOOLS AND DRAWING			
SEMESTER VI	SEMESTER VII (ELECTIVE III)			
PR6603	ME6006			
DESCRIPTION	ONLINE	TRAINING CENTRE	WEBINAR	REMARKS
DESIGN OF JIGS, FIXTURE AND PRESS TOOLS AND DRAWING	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

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