



DEMAND

PAVIATH INTEGRATED SOLUTION

ENGG SPECIALIZED

MECHANICAL

MANUFACTURE AND INSPECTION OF GEARS

Paviath ONLINE

◆ SYLLABUS PROGRAM ◆ MANUFACTURE AND INSPECTION OF GEARS ◆ SPECIALIZED BRANCH

COURSE OUTCOME

UPON COMPLETION OF THIS COURSE THE STUDENT CAN ABLE TO KNOW THE DIFFERENT METHODS TO MAKE CONICAL AND CYLINDRICAL GEAR AND SELECT MATERIAL FOR GEAR AND PERFORM HEAT TREATMENT FOR HIS PROVING THE PROPERTIES

COURSE CONTENTS

UNIT I INTRODUCTION TO GEARS.
UNIT II PRODUCTION OF CONICAL GEARS.
UNIT III GEAR MATERIAL SELECTION AND HARDENING METHODS. UNIT IV GEAR INSPECTION.
UNIT V MODERN GEAR PRODUCTION METHODS

COURSE OBJECTIVE

TO IMPART KNOWLEDGE IN THE INCREASING QUALITY CONCEPTS OF PARTS. ACCURACY REQUIREMENT OF MACHINE TOOLS AND ALSO TO INTRODUCE LATEST TOPICS IN MANUFACTURING LIKE MICRO MACHINING AND SMART MATERIALS SO AS TO EQUIP THEM TO JOIN CORE ELECTRONIC MANUFACTURING INDUSTRIES.

REFERENCE BOOKS

1. WATSON, "MODERN GEAR PRODUCTION", PERSMAN PRESS OXFORD, 1984.
2. HMT, "PRODUCTION TECHNOLOGY", TATA MCGRAW HILL CO., NEW DELHI, 1992.
1. SAE, "GEAR DESIGN MANUFACTURING INSPECTION MANUAL", SAE, 1990.
2. WECK M., "HAND BOOK OF MACHINE TOOLS", TECHNOLOGY AND SONS, 1984.
3. "GEAR TECHNOLOGY", MAGAZINE – BACK VOLUMES.

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

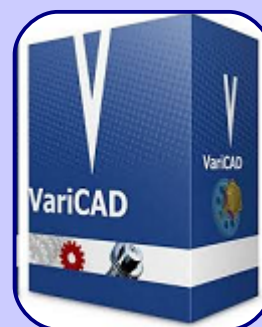
APM CAM/APM PLAIN/APM SCREW/APM STRUCTURE3D/APM DYNAMICS/APM BEAM/APM GRAPH/APM STUDIO
APM DRIVE/APM TRANS/APM SHAFT/APM BEAR/APM JOINT/APM SPRING/APM BASE/APM MECHANICAL DATA/APM MATERIAL DATA/APM SECTION DATA/APM CONSTRUCTION DATA/APM BOOK



APM WINMACHINE



KOMPAS 3D



VARICAD

PRODUCTION ENGG	MECH & AUTOMATION ENGG	MECH ENGG (SANDWICH)	ROBOTICS AND AUTOMATION	MECHATRONICS ENGG
		MANUFACTURE AND INSPECTION OF GEARS		
		ELECTIVE I		
		MS6001		
DESCRIPTION	ONLINE	TRAINING CENTRE	WEBINAR	REMARKS
MANUFACTURE AND INSPECTION OF GEARS	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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