



DEMAND

PAVIATH INTEGRATED SOLUTION

ENGG ALLIED

MECHANICAL

AUTOMOTIVE TRANSMISSION

Paviath ONLINE

◆ MECH ALLIED ◆ AUTOMOBILE ENGINEERING ◆ SEMESTER V ◆ ENGINEERING CODE ME6503

COURSE OBJECTIVE

TO KNOW ABOUT THE VARIOUS TRANSMISSION AND DRIVE LINE UNITS OF AUTOMOBILES.

COURSE OUTCOME

THE STUDENTS WILL UNDERSTAND THE CONSTRUCTIONAL, WORKING PRINCIPLE OF VARIOUS TYPES OF MANUAL AND AUTOMOTIVE TRANSMISSION OF AN AUTOMOBILE.

COURSE CONTENT

UNIT I CLUTCH AND GEAR BOX.
UNIT II HYDRODYNAMIC TRANSMISSION.
UNIT III EPICYCLIC GEARBOXES USED IN AUTOMATIC TRANSMISSION.
UNIT IV AUTOMATIC TRANSMISSION APPLICATIONS.
UNIT V HYDROSTATIC AND ELECTRIC DRIVE

REFERENCE BOOKS

1. HELOT, P.M., "TORQUE CONVERTERS", CHILTON BOOK CO., 1962.
2. NEWTON AND STEEDS, "MOTOR VEHICLES", ILLIFFE PUBLISHERS, 1985.
3. DEVARADJANE, DR. G., KUMARASAN, DR. M., "AUTOMOBILE ENGINEERING", AMK PUBLISHERS, 2013.
1. SAE TRANSACTIONS 900550 & 930910.
2. HYDROSTATIC TRANSMISSIONS FOR VEHICLE APPLICATIONS, 1 MECH E CONFERENCE, 1981-88.
3. CROUSE, W.H., ANDLIN, D.L., "AUTOMOTIVE TRANSMISSION AND POWER TRAINS CONSTRUCTION", MCGRAW HILL, 1976.
4. HEINZ HEISLER, "ADVANCE VEHICLE TECHNOLOGY", BUTTERWORTH-HEINEMANN, 2002.

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

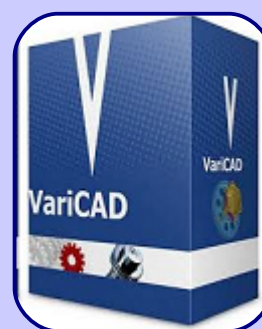
APM CAM/APM PLAIN/APM SCREW/APM STRUCTURE3D/APM DYNAMICS/APM BEAM/APM GRAPH/APM STUDIO
APM DRIVE/APM TRANS/APM SHAFT/APM BEAR/APM JOINT/APM SPRING/APM BASE/APM MECHANICAL DATA/APM MATERIAL DATA/APM SECTION DATA/APM CONSTRUCTION DATA/APM BOOK



APM WINMACHINE



KOMPAS 3D



VARICAD

DESCRIPTION	ONLINE	TRAINING CENTRE	WEBINAR	REMARKS
AUTOMOTIVE TRANSMISSION	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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