



INDUSTRY

PAVIATH INTEGRATED SOLUTION

MECHANISM

AUTOMOBILE

AUTOMOBILE PROFESSIONAL 1

Paviath ONLINE

◆ MECH ALLIED ◆ AUTOMOBILE ENGINEERING ◆ INDUSTRY ◆ TRAINING

ENCYCLOPEDIA ON AUTOMOBILE
ENCYCLOPEDIA ON HEAVY VEHICLE
ENCYCLOPEDIA ON PASSENGER VEHICLE
ENCYCLOPEDIA ON LIGHT VEHICLE
ENCYCLOPEDIA ON CARS OF ALL TYPES
TYPES OF VEHICLE VS CONTINENTS
LIST OF VEHICLE VS CONTINENTS VS COUNTRY
LIST OF STANDARDS VS CONTINENTS VS COUNTRY
LIST OF ISO VS PARTS VS ASSEMBLY VS TESTING

SELECTED AUTOMOBILE FOR PROJECT
SPECIFICATION KINEMATICS & KINETO STATICS
CHASIS AND CHASIS COMPONENTS DATA
TRANSMISSION SYSTEM AND ITS PARTS
LIST OF PARTS FOR ANALYTICAL & ANALYSIS
LIST OF ITEMS FOR STRUCTURAL ANALYSIS
ITEMS FOR STATIC & DYNAMIC ANALYSIS
ITEMS FOR TOPOLOGY OPTIMIZATIONS

TECHNICAL DATA/SELECTED AUTOMOBILE
ENCYCLOPEDIA LITERATURE
TECHNICAL PAPERS & PATTERNED PAPERS
ANALYSIS AND TESTING PAPERS
TESTINING STANDARD ISO/EURO/GOST/ASME
CHASIS STANDARDS ISO/EURO/GOST/ASME
DRIVES STANDARD ISO/EURO/GOST/ASME
BODY STANDARD ISO/EURO/GOST/ASME
PARTS STANDARD ISO/EURO/GOST/ASME

CHASIS SYSTEM & SUB SYSTEM
CONSTRUCTIONAL, WORKING PRINCIPLE OF
VARIOUS SUB SYSTEM OF AN AUTOMOBILE
LAYOUT, FRAME, FRONT AXLE & STEERING SYS.
DRIVE LINE, FINAL DRIVE AND DIFFERENTIAL.
REAR AXLES, WHEELS, RIMS AND TYRES.
SUSPENSION SYSTEM, BRAKE SYSTEMS.

SOFTWARE
◆ APM WINMACHINE (MULTIPHYSICS)
◆ KOMPAS 2D/3D/PDM/BOM
◆ VARICAD 2D/3D/PDM/BOM
◆ SAM (MECHANISM DESIGN)
◆ SALTIRE SOFTWARE
◆ DOCUMENTATION & PRINTING



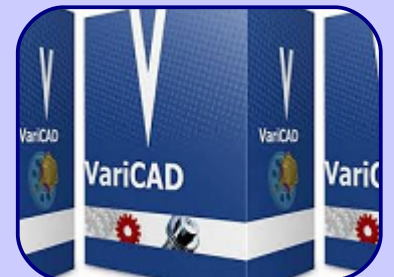
CHASIS COMPONENTS
DESIGN THE AUTOMOTIVE COMPONENTS LIKE
FRAME, SUSPENSION SYSTEMS, AXLES,
CLUTCH, GEAR BOX, DRIVE LINE COMPONENTS-
VEHICLE FRAME AND SUSPENSION.
FRONT AXLE AND STEERING SYSTEMS.
CLUTCH, GEAR BOX, DRIVE LINE & REAR AXLE

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



ENGINE COMPONENTS
DETAILED CONCEPT, CONSTRUCTION AND
PRINCIPLE OF OPERATION OF ENGINE AND
VARIOUS ENGINE COMPONENTS
DESIGN - CYLINDER, PISTON CONNECTING ROD.
DESIGN OF CRANKSHAFT & FLYWHEELS.
DESIGN OF VALVES AND VALVE TRAIN.

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



TRANSMISSION SYSTEM
WORKING PRINCIPLE OF VARIOUS TYPES OF
MANUAL AND AUTOMOTIVE TRANSMISSION OF AN
AUTOMOBILE.
CLUTCH AND GEAR BOX, HYDRODYNAMIC
TRANSMISSION, EPICYCLIC GEARBOXES USED IN
AUTOMATIC TRANSMISSION.
APPLICATIONS. HYDROSTATIC AND ELECTRIC DRIVE



APM WINMACHINE

KOMPAS 3D

VARICAD

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