



SQI

SEQUENCE

PAVIATH INTEGRATED SOLUTION



RESEARCH

ELEMENT DESIGN

SYSTEM DESIGN

INTERSHIP PROJECT

ANALYSIS

PRODUCT DESIGN

CONCEPT DESIGN

REVERSE ENGG



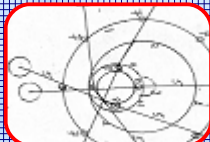
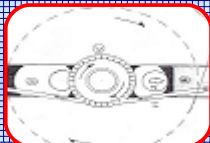
PRODUCT DESIGN

LITERATURE DATA
ENCYCLOPEDIA
PRODUCT DATA
PRODUCT SPECN
SYSTEM LAYOUT
PART SPECN.
APPLN AREA
ISO/DIN/GOST
MATERIAL DATA
TECH.PAPER
REF. BOOKS



CONCEPT DESIGN

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APPLICATION AREA I

AGRICULTURE INDUSTRIES
AUTOMATION INDUSTRIES
CONSTRUCTION INDUSTRIES
TEXTILE INDUSTRIES
GARMENT INDUSTRIES
MACHINE BUILDING INDUSTRIES
BULK HANDLING INDUSTRIES
MINERAL PROCESSING

APPLICATION AREA II

AUTOMOBILE INDUSTRIES
DEM INDUSTRIES
PRINTING INDUSTRIES
PACKAGING INDUSTRIES
PLASTIC INDUSTRIES
RUBBER INDUSTRIES
TESTING MACHINE INDUSTRIES
SPACE INDUSTRIES

APPLICATION AREA III

MARINE/SHIP BUILDING INDUSTRIES
CHEMICAL PLANT ENGINEERING
THERMAL PLANT ENGINEERING
FOOD PROCESSING INDUSTRIES
OIL - GAS INDUSTRIES
EFFLUENT TREATMENT INDUSTRIES
WATER TREATMENT INDUSTRIES
NUCLEAR EQUIPMENT INDUSTRIES

INSTITUTION

CONCEPTUAL

RESEARCH



PROJECT

REVERSE ENGG

INDUSTRY

MECHANISM AREA

AGRICULTURE ENBB.
AUTOMATION ENGG.
AUTOMOBILE ENGG.
TEXTILE MACHINERIES
MACHINE TOOL INDUSTRY
MINERAL MACHINERIES.
MATERIAL HANDLING
PRINTING MACHINES
PACKAGE MACHINES
CONSTRUCTION MACHINES
TESTING EQUIPMENTS
MARINE EQUIPMENTS

THERMAL AREA

CHEMICAL PLANT ENGG.
THERMAL PLANT ENGG.
FOOD PROCESSING.
OIL GAS INDUSTRIES.
EFFLUENT TREATMENT.
WATER TREATMENT.
NUCLEAR EQUIPMENT.
THERMAL FLOW SYSTEM.
PRESSURE VESSELS.
HEAT EXCHANGER.
STORAGE TANK.
PIPING SYSTEM.

MACHINE ELEMENTS ELEMENTS

DRIVE UNITS DESIGN
TRANSMISSION DESIGN
SHAFT DESIGN
ALL TYPE GEARS
PULLEY & CHAINE DRIVE
ROLLING CONTACT BEARING
ALL TYPE JOINTS DESIGN
SPRINGS & TORSION DESIGN
CAM AND FOLLOWER
PLAIN BEARING
PLANETARY SCREW

ANALYSIS

PART & ASSEMBLY
LINEAR/NON LINEAR
BUCKLING/MODAL/
FATIGUE ANALYSIS
TOPOLOGY OPTIMIZATION
TRANSIEN DYNAMIC
HIGH FREQUENCY MODAL
RESULT MAP
STRESS/LOAD/FATIGUE
DISPLACEMENT
TOTAL STRAIN
FACTOR OF SAFTEY
PRINCIPLE STRESS/VECTOR

ANALYSIS

ELECTRO STATIC
MAGNETOSTATIC
CONSTANT CURRENT
NON STAT ELECTROMAGNETIC
FLUID GAS ANALYSIS
PIPEING ANALYSIS
EQUIPMENT ANALYSIS
HEAT TRANSFER
TRANSIENT HEAT TRANSFER
MULTIBODY ANALYSIS
MATHEMATICAL ANALYSIS
3D PRINTING ANALYSIS
CONTACT ANALYSIS

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ONLINE INTERNSHIP