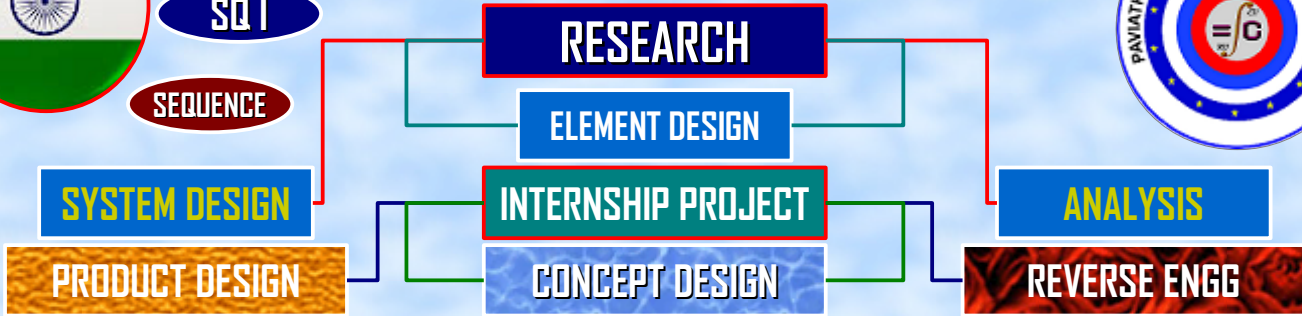




SQ I  
SEQUENCE

# PAVIATH INTEGRATED SOLUTION



**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**

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

**REVERSE ENGG.**

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

- 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



- 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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