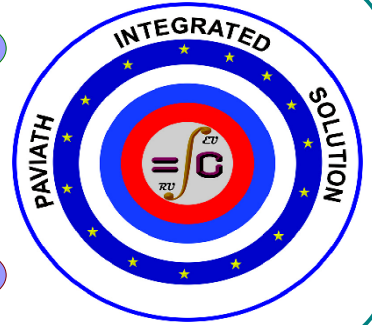


ISO/GOST/EN/DIN

SEMESTER UNITS

REFERENCE BOOKS



POLYTECH - AICTE - UNIVERSITY

INTERSHIP MEDIA

MECHANISM

MACHINE ELEMENT

STRUCTURAL

PAVIATH MEDIA INTERSHIP



DEGREE/DIPLOMA\*

SYLLABUS PROGRAM

- ◆ STRENGTH OF MATERIAL
- ◆ THEORY OF MACHINE
- ◆ DESIGN OF MACHINE ELEMENTS
- ◆ DESIGN OF TRANSMISSION SYSTEM

VARICAD 2D/3D/PDM/BOM  
KOMPAS 3D 2D/3D/BOM

COURSE OUTCOMES

- ◆ DESIGN PROCEDURE
- ◆ EXERCISING VIDEO
- ◆ PUBLISHING IN YOUTUBE
- ◆ REFERENCE BOOKS

### 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**

### SAM (SYNTHESIS ANALYSIS MECHANISM)

GENERAL - DESIGN WIZARDS - MODELLING -  
INPUT MOTION - CAD INTERFACE - ANALYSIS -  
RESULTS - POST-PROCESSING - OPTIMIZATION  
- TUTORIALS

### SALTIRE SOFTWARE

SALTIRE KNOWLEDGE BASE  
MATHS ILLUSTRATION  
GEOMETRY EXPRESSIONS  
MECHANICAL EXPRESSIONS - ANALYTIS CAM  
3D PRINTING - ATLAS OF FOUR BAR LINKAGE

**STRENGTH OF MATERIAL** (APM WINMACHINE)

**THEORY OF MACHINE**

(SAM/APM WINMACHINE/SALTIRE SOFTWARE)

**DESIGN OF MACHINE ELEMENTS**

(SAM/APM WINMACHINE)

**DESIGN OF TRANSMISSION SYSTEM**

(SAM/APM WINMACHINE/SALTIRE SOFTWARE)



TRAINING MODULES (WEBINAR)

STRENGTH OF MATERIAL

THEORY OF MACHINE

DESIGN OF MACHINE ELEMENTS

DESIGN OF TRANSMISSION SYSTEM

YOUTUBE & WEBINAR

UNIVERSITY - ENGG COLLEGE

POLYTECH - RESEARCH ORGN

HEAVY - MEDIUM INDUSTRY

SMALL INDUSTRY - PROFESSIONAL

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ONLINE INTERSHIP