



DEMAND

PAVIATH INTEGRATED SOLUTION

ENGG ALLIED

MECHANICAL

FARM POWER AND MACHINERY MANAGEMENT

Paviath ONLINE

◆ MECH ALLIED ◆ AGRICULTURE ENGINEERING ◆ ELECTIVE - IV ◆ ENGINEERING CODE A16011

### COURSE OBJECTIVE

TO ACQUAINT AND EQUIP WITH THE LATEST DESIGN PROCEDURES OF FARM POWER AND MACHINERY SYSTEMS.  
TO PROVIDE SUFFICIENT KNOWLEDGE OF MECHANIZATION STATUS IN THE COUNTRY AND MANAGEMENT TECHNIQUES FOR FUTURE REQUIREMENTS.

### COURSE OUTCOME

THE STUDENTS WILL BE ABLE TO UNDERSTAND THE CONCEPTS OF BIO ENERGY SOURCES AND ITS APPLICATIONS.

### COURSE CONTENT

UNIT I INTRODUCTION TO FARM POWER AND DESIGN CRITERIA.  
UNIT II MACHINERY MANAGEMENT.  
UNIT III SYSTEMS APPROACH.  
UNIT IV PLANNING OF MACHINERY.  
UNIT V ECONOMIC ANALYSIS.

### REFERENCE BOOKS

1. BAIER, R. KEPNER, R.A. AND BARBER, E.L. 1978. PRINCIPLES OF FARM MACHINERY. JOHN WILEY AND SONS. NEW YORK.
2. LILJEDAHN, B. TUMQVIST, P.K. SMITH, D.W. AND HOKI, M. 1989. TRACTOR AND ITS POWER UNITS. VAN NOSTRAND REINHOLD
3. CULPIN, C. 1978. FARM MACHINERY. GRAMADAPUBLISHING LTD., LONDON.
4. KEPNER, R.A. BAIER, R. AND BARBER, E.L. 1987. PRINCIPLES OF FARM MACHINERY. C.S.B. PUBLISHERS AND DISTRIBUTORS, NEW DELHI.
5. SMITH, H.P. AND WILKES, L.H. 1979. FARM MACHINERY AND EQUIPMENT. TATA MCGRAW-HILL PUBLISHING CO. LTD., NEW DELHI.

### 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

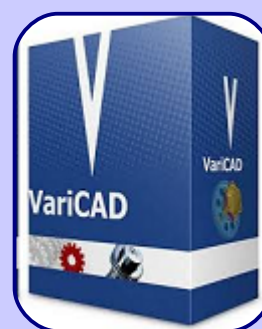
APM CAM/APM PLAIN/APM SCREW/APM STRUCTURE3D/APM DYNAMICS/APM BEAM/APM GRAPH/APM STUDIO  
APM DRIVE/APM TRANS/APM SHAFT/APM BEAR/APM JOINT/APM SPRING/APM BASE/APM MECHANICAL DATA/APM MATERIAL DATA/APM SECTION DATA/APM CONSTRUCTION DATA/APM BOOK



APM WINMACHINE



KOMPAS 3D



VARICAD

DESCRIPTION	ONLINE	TRAINING CENTRE	WEBINAR	REMARKS
FARM POWER AND MACHINERY MANAGEMENT	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

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