



DEMAND

# PAVIATH INTEGRATED SOLUTION

ENGG ALLIED

MECHANICAL

SPECIAL FARM EQUIPMENT

Paviath ONLINE

◆ MECH ALLIED ◆ AGRICULTURE ENGINEERING ◆ ELECTIVE - IV ◆ ENGINEERING CODE A16013

**COURSE OBJECTIVE**  
TO STUDY THE SPECIAL MACHINERIES USED FOR AGRICULTURAL APPLICATIONS

**COURSE OUTCOME**  
AFTER COMPLETION OF THE COURSE, THE STUDENTS WILL HAVE A THOROUGH KNOWLEDGE ON SPECIAL FARM EQUIPMENT REQUIRED FOR VARIOUS AGRICULTURAL OPERATIONS

**COURSE CONTENT**  
UNIT I WEEDING EQUIPMENT.  
UNIT II SPRAYERS AND DUSTERS.  
UNIT III MOWERS AND HARVESTERS.  
UNIT IV THRESHERS AND OTHER MACHINERIES.  
UNIT V SPECIALIZED FARM EQUIPMENT

**REFERENCE BOOKS**  
1. JAGDISHWAR SAHAY, 2010. ELEMENTS OF AGRICULTURAL ENGINEERING. STANDARD PUBLISHERS DISTRIBUTORS, DELHI 6.  
2. MICHAEL AND DJHA, 2005. PRINCIPLES OF AGRICULTURAL ENGINEERING. JAIN BROTHERS, NEW DELHI. 85  
3. KEPNER, R.A., ET AL. 1997. PRINCIPLES OF FARM MACHINERY. CBS PUBLISHERS AND DISTRIBUTORS, DELHI.  
4. HARRIS PEARSON SMITH ET AL. 1996. FARM MACHINERY AND EQUIPMENTS. TATA MCGRAW-HILL PUB., NEW DELHI.  
5. SRIVASTAVA, A.C. 1990. ELEMENTS OF FARM MACHINERY. OXFORD AND IBH PUB. CO., NEW DELHI

**COURSE SOFTWARE**  
◆ APM WINMACHINE (MULTIPHYSICS)  
◆ KOMPAS 2D/3D/PDM/BDM  
◆ VARICAD 2D/3D/PDM/BDM  
◆ 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
SPECIAL FARM EQUIPMENT	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