



PAGE 1

PAVIATH INTEGRATED SOLUTION

POLYTECH

MECHANICAL

MATERIAL HANDLING SYSTEM

Paviath ONLINE

◆ MECHANICAL ENGINEERING GROUP ◆ SIXTH SEMESTER ◆ POLYTECHNIC CODE ME

COURSE AIM

- ◆ OPERATIONAL FEATURES OF THE MATERIAL HANDLING EQUIPMENT & ITS PRACTICAL APPLICATION
- ◆ CARRYING PARTS & PRODUCTS IN A SHOP FROM ONE WORKSTATION TO ANOTHER & FROM SHOP TO ANOTHER SHOP
- ◆ TAKING CARE OF STOCKPILING & RECLAIMING OPERATIONS
- ◆ MATERIAL HANDLING EQUIPMENT/SYSTEMS ENABLE THE PROCESS TO GO ON WITHOUT INTERRUPTIONS & AT A PREDETERMINED SPACE. TO UNDERSTAND, SELECT, OPERATE & MAINTAIN THE MATERIAL HANDLING EQUIP..

COURSE OBJECTIVE

- ◆ UNDERSTANDING CONSTRUCTIONAL & OPERATIONAL FEATURES OF VARIOUS MATERIALS HANDLING SYSTEMS
- ◆ IDENTIFY, COMPARE & SELECT PROPER MATERIAL HANDLING EQUIPMENT FOR SPECIFIED APPLICATIONS
- ◆ KNOW THE CONTROLS & SAFETY MEASURES INCORPORATED ON MATERIAL HANDLING EQUIPMENT
- ◆ UNDERSTANDING DIFFERENT MATERIAL HANDLING PROCESSES USED IN INDUSTRIES
- ◆ APPRECIATE THE ROLE OF MATERIAL HANDLING DEVICES IN MECHANIZATION & AUTOMATION OF INDUSTRIAL PROCESS.

COURSE CONTENTS

- ◆ INTRODUCTION TO MATERIAL HANDLING SYSTEM
- ◆ HOISTING MACHINERY & EQUIPMENTS.
- ◆ CONVEYING MACHINERY
- ◆ SURFACE TRANSPORTATION EQUIPMENT
- ◆ COMPONENTS OF MATERIAL HANDLING SYSTEMS
- ◆ MECHANISM USED IN MATERIAL HANDLING EQUIPMENT.
- ◆ SELECTION OF MATERIAL HANDLING EQUIPMENT.

REFERENCE BOOKS

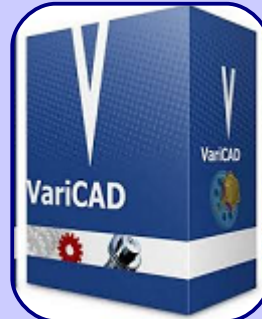
- ◆ N. RUDENKO MATERIAL HANDLING EQUIPMENT
- ◆ M. P. ALEXANDROV MATERIAL HANDLING EQUIPMENT
- ◆ Y. I. OBERMAN MATERIAL HANDLING
- ◆ R. B. CHOWDARY & G. R. N. TAGORE MATERIAL HANDLING EQUIPMENT
- ◆ ALLEGRI T. H. MATERIAL HANDLING (PRINCIPLES & PRACTICE)
- ◆ APPLE J. M. PLANT LAYOUT & MATERIALS HANDLING
- ◆ BOLZ AND OTHERS MATERIAL HANDLING HANDBOOK
- ◆ DAYLAS R. W. PERGAMAN, BERLIN
- ◆ ENCYCLOPEDIA OF MATERIALS HANDLING
- ◆ IMMER J. R. MATERIAL HANDLING
- ◆ PARAMESWARAN M.A. MATERIAL HANDLING EQUIPMENT

SAM (SYNTHESIS ANALYSIS MECHANISM)

- ◆ GENERAL ◆ DESIGN WIZARDS ◆ MODELLING
- ◆ INPUT MOTION ◆ CAD INTERFACE
- ◆ ANALYSIS ◆ RESULTS
- ◆ SALTIRE SOFTWARE
- ◆ MATHS ILLUSTRATIONS
- ◆ GEOMETRY EXPRESSIONS
- ◆ MECHANICAL EXPRESSIONS
- ◆ ANALYTIS CAM

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

SALTIRE SOFTWARE

ARTAS SAM

KOMPAS 3D

VARICAD

DESCRIPTION	ONLINE	TRAINING CENTRE	WEBINAR	REMARKS
MATERIAL HANDLING SYSTEM	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

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