DEMAND PAVIATH INTEGRATED SOLUTION

ENGG SPECIALIZED

MECHANICAL

TEGRA)

FINITE ELEMENT ANALYSIS

Paviath ONLINE

◆ SYLLABUS PROGRAM ◆ FINITE ELEMENT ANALYSIS IN MANUFACTURING ENGINEERING ◆ SPECIALIZED BRANCH

COURSE OBJECTIVE to introduce the concept of apply in the field of manufa engineering	FEM AND TO TURING UNIT II UNIT III UNIT IV UNIT IV	ISE CONTENTS NTRODUCTION. GENERAL PROCEDURE OF FET. FINITE ELEMENT ANALYSIS OF ONE SIONAL AND TWO DIMENSIONAL PROB ISO-PARAMETRIC ELEMENTS. APPLICATION OF FINITE ELEMENT ANA	SPRING ELEMENTS • ASSEMBLE ELEM MATRIX • ENFORCE BOUND SYSTEM. • SOLVE THE RESU	IT STIFFNESS MATRIX EQUATION FROM ENT MATRIX EQUATION IN TO A GLOBAL ARY CONDITION AND FORCES ON THE LTING SYSTEM AND INTERPRET RESULT. NCEPT OF LOCAL, GLOBAL COORDINATE
REFERENCE BODKS 1. CHANDRAPUTLA T.R. AND BELEBUNDU A.D., "INTRODUCTION OF FINITE ELEMENT N. ENDINGERING", PRENITCE HALL OF NOIA 1997. 2. CHANDRAPUTLA T.R. AND BELEBUNDU A.D., "INTRODUCTION OF FINITE ELEMENT N. ENDINGERING", PRENITCE HALL OF NOIA 1997. 3. ASSENTING, L.J., "APPLIED FINITE ELEMENT METHOD" MCGRAW HILL INTERNATIONAL STUDENT EDITION, 1993. 3. SESBARI, NO. L.J., "APPLIED FINITE ELEMENT ANALYSIS", JOHN WILEY AND SONS, INC. 3. SESBARI, "IXTS BODK OF FINITE ELEMENT ANALYSIS", DHIN WILEY AND SONS, INC. 3. SESBARI, "IXTS BODK OF FINITE ELEMENT ANALYSIS", PRENTICE HALL OF INDIA 2003 4. RAJASKKARANS, "NUMERICAL METHODS FOR INITIA AND BOUNDARY VALIE PROBLEMS", WHEELER AND C.D., PVT. LTD., 1987 5. LEWIS R.W., MORGAN K, THOMAS H.R. AND SECTIARAMU LN., THE FINITE ELEMENT METHOD IN HEAT TRANSFER ANALYSIS, JOHN WILEY & SONS LTD., 1996. 4. CALLER SOFTWARE 4. DOCUMENTATION & PRINTING 4. CALLER AND SCREW/APM 5. LEWIS R.W., MORGAN K, THOMAS H.R. AND SECTIARAMU LN., THE FINITE ELEMENT METHOD IN HEAT TRANSFER ANALYSIS, JOHN WILEY & SONS LTD., 1996. 5. LEWIS R.W., MORGAN K, THOMAS H.R. AND SECTIARAMU LN., THE FINITE ELEMENT METHOD IN HEAT TRANSFER ANALYSIS, JOHN WILEY & SONS LTD., 1996. 5. LEWIS R.W., MORGAN K, THOMAS H.R. AND SECTIARAMU LN., THE FINITE ELEMENT METHOD IN HEAT TRANSFER ANALYSIS, JOHN WILEY & SONS LTD., 1996. 5. LEWIS R.W., MORGAN K, THOMAS H.R. AND SECTIARAMU LN., THE FINITE ELEMENT METHOD IN HEAT TRANSFER ANALYSIS, JOHN WILEY & SONS LTD., 1996. 5. LEWIS R.W., MORGAN K, THOMAS H.R. AND SECTIARAMU LN., THE FINITE ELEMENT METHOD IN HEAT TRANSFER ANALYSIS, JOHN WILEY & SONS LTD., 1996. 5. LEWIS R.W., MORGAN K, THOMAS H.R. AND SECTIARAMU LN., THE FINITE ELEMENT METHOD IN HEAT TRANSFER ANALYSIS, JOHN WILEY & SONS LTD., 1996. 5. LEWIS R.W., MORGAN K, THOMAS H.R. AND SECTIARAMU LN., THE FINITE 5. LEWIS R.W., MORGAN K, THOMAS H.R. AND SECTIARAMU LN., THE FINITE 5. LEWIS R.W., MORGAN K, THOMAS H.R. AND SECTIARAMU LN., THE FINITE 5. LEWIS R.W., MORGAN K, THOMAS H.R. AND SECTIARAMU				
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APM WINMACHINE		KOMPAS 3D		VARICAD
PRODUCTION ENGG	MECH & AUTOMATION ENGG	MECH ENGG (SANDWICH)	ROBOTICS AND AUTOMATION	MECHATRONICS ENGG
FINITE ELEMENT ANALYSIS	FINITE ELEMENT ANALYSIS	FINITE ELEMENT ANALYSIS		
SEMESTER VII	SEMESTER VI	SEMESTER VII		
PR67DI	ME6603	ME6603		
DESCRIPTION	ONLINE	TRAINING CENTRE	WEBINAR	REMARKS
FINITE ELEMENT ANALYSIS	REGISTRATION	DOCUMENTS	COUNSELLING	OWN LAPTOP
ONLINE	2/UNIT TRAINING	4/UNIT ASSIGNMENT	2/UNIT ASSIGNED	SHEDULE
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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