



महिला अभियान्त्रिकी महाविद्यालय, अजमेर
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GWeca/Mech./2019-20/361

Date: 02.03.2020

DEPARTMENT OF MECHANICAL ENGINEERING

NOTICE

Department of Mechanical Engineering is organizing one week certified Professional Training Program on “ANSYS” for the students and faculty members from 03-07 March 2020.

The details of the Program are as follows

Timings: 9.00 am to 4.00 pm.

Venue: Research Lab, Param Computer Lab

DAY	MODULE	TOPIC	WORKSHOP
DAY 1	Introduction	Introduction to ANSYS GUI	Basics using Control Box cover
	ANSYS SCDM	Introduction to SpaceClaim Design Modeler	Geometry and Domain Setup
	Meshing	Global Mesh Controls	Mesh Creation
Local Mesh Controls		Mesh Control	
DAY 2	ANSYS Mechanical	Linear Structural Analysis	Named Selection
		Parameter Management	Bracket Analysis
		Remote Boundary Conditions	2D Gear Set
		Modal Analysis	Plate with hole
DAY 3	ANSYS FLUENT	Introduction to CFD	
		Introduction to Fluent GUI	Fluid Flow & Heat Transfer in Mixing Tee
		Cell Zone & Boundary Conditions	Fluid flow around NACA0012 Airfoil
DAY 4	ANSYS FLUENT	Boundary Condition Continued	
		Solver Settings	Turbulent Flow past Backward Step
		Turbulence Modelling	Vortex Shedding
DAY 5	ANSYS FLUENT	Heat Transfer	Electronic Cooling with Natural Convection
		Best Practices	
		Fluid Structure Interaction	Structural FSI for a Flow Probe.

Coordinators

Dr. Jai Gopal Gupta and Mr. Yashvin Gupta.

Co-Coordinator

Mr. Dharmanshu Singh Sodha, Mr. Nikhil Yadav and Mr. Balram Choudhary

Propal.

(Dr. Jai Gopal Gupta)

HOD, Mechanical Engineering

Copy to – (Through Email):

- (1) Principal, GWeca (For kind information)
- (2) Registrar
- (3) All HODs, all Faculty
- (4) CC-TEQIP-III