



“ONE DAY EXPERT LECTURE ON FINITE ELEMENT ANALYSIS”

Name of School : Aadishwar College of Technology-Venus
Department : Mechanical & Automobile
Date of Activity : 31/03/2017

School	School of Engineering Aadishwar College of Technology-Venus		
Department	Mechanical Engineering		
Activity Type	Expert Lecture		
Date	31st March, 2017	Duration	1 day
Semester	6th Mech & Auto	No. of Students	100+
Expert Name with Designation	Prof. Arvind prajapati (Professor, Govt. Polytechnic-Kheda)		
Name of Organization	Govt. Polytechnic-Kheda		
Expert contact details	9429734193		
Faculty Coordinator	Prof.Chintan R. Prajapati		
Faculty contact details	Chintanprajapati.me@venusict.org, 9427834123		

Activity Details:

Mechanical and Automobile Engineering Department have successfully organized an Expert lecture on “Finite Element Analysis” wherein an Expert from Government Polytechnic, kheda named Prof.Arvind Prajapati who has rich experience in CAD/CAM field was invited to contribute his knowledge in the field. In this session 100+ students have participated and highly motivated with the basic concepts of Finite Element Analysis. An expert had delivered detailed knowledge with practical understanding. Interestingly, he had also given the short tricks for calculating examples and theories. The session was concluded with a vibrant interaction of the students with the Expert.

Details of the activity:

The Expert lecture consists the following Topics:

1. Review of stress-strain relation.
2. Concept of Total Potential Energy.
3. Basic procedure for solving a problem using Finite Element Analysis.
4. 1-D Analysis: Concept of Shape function and natural coordinates.
5. 1-D structural problems with elimination and penalty approaches.

Details of Expert

Prof. Arvind prajapati is a full Professor at Govt. Polytechnic-Kheda. He is an ME in Mechanical and inhere total 9 years of teaching experience in academics. Besides, CAD/CAM is his area of expatise.

Outcome

The Knowledge and Technological advancement of FEA in CAD and in Mechanical Engineering is the main outcome of this seminar. The participant students were advanced with the basic knowledge of FEA through practical implementation. The expert has brought into the light how students can apply the knowledge of FEA to CAD.

Photos

