## Unit-1- 16ME401 Finite Element Analysis-INTRODUCTION





# ME402 Finite Element Analysis – INTRODUCTION - Historical Background

### Present

Status of FEM as on Today

Theoretical	Software	Practical Applications
Till 1994: In India FEM was offered as post graduate course only at few universities	Three steps for using any FEA software	CAE groups get following types of job orders
1995 and onwards: Introduced at	Preprocessing     Solid modeling	New Design
graduate level.	Meshing     Soundary conditions	Cost cutting /     Optimization
Theory courses mainly deals with		
Various methods to derive [K]     Assembly of [K]	2. Processing or Solution	3. Failure Analysis
3. Solution Techniques	3. Postprocessing - Result interpretation	

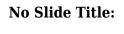
Programming languages used for most commercial softwares are Fortran and C++.

Dr.M.SUBRAMANIAN

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