

**Theory Online Classes Details**

S.No.	Year/ Sem	Subject	Date of Lecture & Class timings	Topic	App Used	Link (if any Resources)
1	III-II	Finite Element Methods	03-04-2020 & 11.45 to 12.20	Derivation of stiffness matrix for frames	Zoom	<a href="http://www.webprosindia.com/gist/main.aspx#">http://www.webprosindia.com/gist/main.aspx#</a>
2	III-II	Finite Element Methods	06-04-2020 & 1.20 to 2.15	Problems on frames	Zoom	<a href="http://www.webprosindia.com/gist/main.aspx#">http://www.webprosindia.com/gist/main.aspx#</a>
3	III-II	Finite Element Methods	4/7/2020	2D scalar problems	Zoom	<a href="http://www.webprosindia.com/gist/main.aspx#">http://www.webprosindia.com/gist/main.aspx#</a>
4	III-II	Finite Element Methods	09-04-2020 & 1.20 to 2.15	Derivation of shape function for 2D element	Zoom	<a href="http://www.webprosindia.com/gist/main.aspx#">http://www.webprosindia.com/gist/main.aspx#</a>
5	III-II	Finite Element Methods	13-04-2020 & 1.20 to 2.15	3D stress -strain relation	Zoom	<a href="http://www.webprosindia.com/gist/main.aspx#">http://www.webprosindia.com/gist/main.aspx#</a>
6	III-II	Finite Element Methods	16-04-2020 & 1.20 to 2.15	Strain displacement relation	TeamLink	<a href="http://www.webprosindia.com/gist/main.aspx#">http://www.webprosindia.com/gist/main.aspx#</a>
7	III-II	Finite Element Methods	17-04-2020 & 1.20 to 2.15	2D stress -strain relation	TeamLink	<a href="http://www.webprosindia.com/gist/main.aspx#">http://www.webprosindia.com/gist/main.aspx#</a>
8	III-II	Finite Element Methods	20-04-2020 & 1.20 to 2.15	Problems on 2d shape function	TeamLink	<a href="http://www.webprosindia.com/gist/main.aspx#">http://www.webprosindia.com/gist/main.aspx#</a>
9	III-II	Finite Element Methods	21-04-2020 & 9.25 to 10.30	Derivation of stiffness matrix for 2d cst element	TeamLink	<a href="http://www.webprosindia.com/gist/main.aspx#">http://www.webprosindia.com/gist/main.aspx#</a>
10	III-II	Finite Element Methods	23-04-2020 & 1.20 to 2.15	Problems on 2d cst element	TeamLink	<a href="http://www.webprosindia.com/gist/main.aspx#">http://www.webprosindia.com/gist/main.aspx#</a>
11	III-II	Finite Element Methods	24-04-2020 & 11.45 to 12.20	Problems on 2d cst element	TeamLink	<a href="http://www.webprosindia.com/gist/main.aspx#">http://www.webprosindia.com/gist/main.aspx#</a>
12	III-II	Finite Element Methods	27-04-2020 & 1.20 to 2.15	Problems on 2d cst element	TeamLink	<a href="http://www.webprosindia.com/gist/main.aspx#">http://www.webprosindia.com/gist/main.aspx#</a>
13	III-II	Finite Element Methods	28-04-2020 & 9.25 to 10.30	Problems on stiffness matrix	TeamLink	<a href="http://www.webprosindia.com/gist/main.aspx#">http://www.webprosindia.com/gist/main.aspx#</a>
14	III-II	Finite Element Methods	30-04-2020 & 1.20 to 2.15	Introduction to quadrilateral element	TeamLink	<a href="http://www.webprosindia.com/gist/main.aspx#">http://www.webprosindia.com/gist/main.aspx#</a>
15	III-II	Finite Element Methods	03-05-2020 & 9.30-10.30	Iso parametric element formulation	TeamLink	<a href="http://www.webprosindia.com/gist/main.aspx#">http://www.webprosindia.com/gist/main.aspx#</a>
16	III-II	Finite Element Methods	04-05-2020 & 9.30-10.30	Derivation of shape function for a quadrilateral element	TeamLink	<a href="http://www.webprosindia.com/gist/main.aspx#">http://www.webprosindia.com/gist/main.aspx#</a>
17	III-II	Finite Element Methods	06-05-2020 & 8.30-9.30	Strain displacement matrix for quadrilateral element	TeamLink	<a href="http://www.webprosindia.com/gist/main.aspx#">http://www.webprosindia.com/gist/main.aspx#</a>
18	III-II	Finite Element Methods	07-05-2020 & 11.50-12.50	Stiffness matrix for quadrilateral element	TeamLink	<a href="http://www.webprosindia.com/gist/main.aspx#">http://www.webprosindia.com/gist/main.aspx#</a>

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19	III-II	Finite Element Methods	10-05-2020 & 9.30-10.30	Problems on quarilateral element	TeamLink	<a href="http://www.webprosindia.com/gist/main.aspx#">http://www.webprosindia.com/gist/main.aspx#</a>
20	III-II	Finite Element Methods	11-05-2020 & 9.30-10.30	Problems on jacobian matrix	TeamLink	<a href="http://www.webprosindia.com/gist/main.aspx#">http://www.webprosindia.com/gist/main.aspx#</a>
21	III-II	Finite Element Methods	13-05-2020 & 8.30-9.30	Gauss quadrature method	TeamLink	<a href="http://www.webprosindia.com/gist/main.aspx#">http://www.webprosindia.com/gist/main.aspx#</a>
22	III-II	Finite Element Methods	14-05-2020 & 11.50-12.50	Problems on Gauss quadrature method	TeamLink	<a href="http://www.webprosindia.com/gist/main.aspx#">http://www.webprosindia.com/gist/main.aspx#</a>
23	III-II	Finite Element Methods	17-05-2020 & 9.30-10.30	Problems on Gauss quadrature method	TeamLink	<a href="http://www.webprosindia.com/gist/main.aspx#">http://www.webprosindia.com/gist/main.aspx#</a>
24	III-II	Finite Element Methods	18-05-2020 & 9.30-10.30	Finite element modeling for axi symmetric solid	TeamLink	<a href="http://www.webprosindia.com/gist/main.aspx#">http://www.webprosindia.com/gist/main.aspx#</a>
25	III-II	Finite Element Methods	20-05-2020 & 8.30-9.30	Derivation of shape function for a axi-symmetric triangular element	TeamLink	<a href="http://www.webprosindia.com/gist/main.aspx#">http://www.webprosindia.com/gist/main.aspx#</a>
26	III-II	Finite Element Methods	21-05-2020 & 11.50-12.50	foraxi-symmetric triangular element	TeamLink	<a href="http://www.webprosindia.com/gist/main.aspx#">http://www.webprosindia.com/gist/main.aspx#</a>
27	III-II	Finite Element Methods	26-05-2020 & 9.30-10.30	Stiffness matrix for axi-symmetric triangular element	TeamLink	<a href="http://www.webprosindia.com/gist/main.aspx#">http://www.webprosindia.com/gist/main.aspx#</a>
28	III-II	Finite Element Methods	28-05-2020 & 8.30-9.30	Problems on axi-symmetric triangular element	TeamLink	<a href="http://www.webprosindia.com/gist/main.aspx#">http://www.webprosindia.com/gist/main.aspx#</a>
29	III-II	Finite Element Methods	29-05-2020 & 11.50-12.50	for axi-symmetric triangular element	TeamLink	<a href="http://www.webprosindia.com/gist/main.aspx#">http://www.webprosindia.com/gist/main.aspx#</a>