

Professor Tarun Kant

Supervision of MTech Dissertation Students

1. V B JADHAV (1972) (jointly with Professor CK Ramesh),
Analysis of cylindrical pressure vessels with various end closures
2. K S JANGDE (1975),
Analysis of shells of revolution by finite element method
3. S S JUNGHARE (1977),
Numerical analysis of layered cylindrical shells
4. S R PATIL (1979),
Analysis of pressure vessels with various shell theories
5. S V PRABHU (1979) (jointly with Prof SC Lakkad),
Analysis of rectangular layered plates by numerical integration method
6. D J MULAY (1979) (jointly with Prof VD Dixit),
Analysis of skew plates by numerical integration
7. J N SHETH (1980) (jointly with Prof DN Buragohain),
Analysis of shells by mixed finite element method
8. R A OGALE (1984),
9. S KUMAR (1984),
Elasto-plastic analysis of plates
10. N P SAHANI (1984),
Static and free vibration analysis of layered composite plates
11. P B KULKARNI (1984),
Design of a safe plate element
12. C A BIRAJDAR (1984),
Finite element analysis of shells
13. N JAIN (1984),
Analysis of soil-structure interaction problems
14. S J PATEL (1984),
Pseudo-transient analysis of two-dimensional problems
15. E J KEEN (1984),
Analysis of off-shore pipelines
16. B H SHARMA (1984),
17. BHADRESH SHAH (1984) (jointly with Prof S Suryanarayan),
Vibration analysis of prestressed plates and shells by finite element method

18. P S PATNI (1985),
19. S T KENGHE (1985) (jointly with Prof S Suryanarayan)
Dynamics of prestressed plates and shells
20. A S BOOKWALA (1985),
Finite element thermal analysis of layered composite plates
21. D V DATYE (1986),
Finite element stress analysis of stiffened shells with junctions
22. R V RAVICHANDRAN (1986),
Finite element transient analysis of isotropic and fibre reinforced composite plates using a higher order theory
23. J T GALGALI (1986),
Finite element elasto-plastic analysis of thin/thick axisymmetric structures and computer graphics applications
24. P K MEGOTIA (1986),
Fibre reinforced composite plates
25. C K SUBBAKRISHNAYYA (1986),
Earthquake analysis of tall slender structures
26. R K INGLE (1986) (jointly with Prof VD Dixit),
Analysis of free standing staircase
27. R K AGRAWAL (1987),
Thermal stresses in fibre reinforced plastic plates: finite element method
28. S SHARMA (1987),
Finite element discretization by a higher order theory for fibre reinforced composite axisymmetric shells
29. S A KHAN (1987),
Thermal stresses in box-girder bridges
30. K SRINIVAS (873301) (1988) (jointly with Prof BV Rao),
Finite element analysis of wave forces on off-shore gravity structures
31. A B BARAGUNDI (1988),
Free vibration analysis of fibre reinforced composite plates using a refined higher order theory
32. J H VARAIYA (873362) (1988),
Dynamic analysis of fibre reinforced composite/sandwich plates by implicit time integration scheme using a higher-order shear deformation theory
33. C P ARORA (873355) (1988),
Finite element transient analysis of composite and sandwich plates based on a higher-order theory using mode superposition method
34. T S BUTALIA (1988) (jointly with Prof VD Dixit),
Finite element analysis of skew rhombic plates in bending
35. S A NADGAUDA (883334) (1989),
AutoCAD based analysis and design of framed structures
36. S A MAHAPATRA (1989) (jointly with Dr P Banerjee),
Seismic analysis of chimneys and water tanks

37. B N REDDY (8910010) (1990) (jointly with Dr HC Dhariwal),
Finite element analysis of internal combustion engine components
38. U P SINGH (1990),
Shell dynamics using direct integration method
39. SUNIL KUMAR (1990),
Shell dynamics using mode superposition method
40. AVANI BHUSHAN GUPTA (1990),
Evaluation of transverse stresses in fibre reinforced composite laminates
41. S S ROY (90304046) (1991),
Three-dimensional elasto-plastic analysis of fibre reinforced composite laminates
42. T S REDDY (90304401) (1991),
Three-dimensional elasto-static analysis of fibre reinforced composite laminated shells
43. KOLLEGAL MANOHAR GOPALASWAMY (1992),
Three-dimensional free vibration analysis of composite laminates
44. MITAL M SHAH (93304022) (1995),
Analytical solutions of a higher-order theory for symmetric composite laminates and sandwiches
45. SEEMA G PANDIT (93304025) (1995),
Analytical solutions of a higher-order theory for general composite laminates and sandwiches
46. POTANA KUMAR GUPTA JAMILI (94304045) (1996),
Finite element analysis of composite material general shells based on a higher-order shear deformation theory
47. RAJESH V PANCHAL (94304030) (1996),
Propagating buckles in offshore pipelines
48. R RADHAKRISHNA MURTHY (94304405) (1996),
Geometrically non-linear behaviour of beams based on different displacement fields
49. AJAY KUMAR SRIVASTAVA (95304035) (1997),
Analytical large deflection solutions of higher-order theories for cross-ply laminates and sandwiches
50. SHANKAR R. GOUNDER (95304028) (1997),
Computer aided design of system supported warehouse
51. GEETA TRIPATHI (96304020) (1998) (jointly with Dr. R.K. Singh of BARC),
Some studies on fluid-structure interaction problems
52. DONGARA VENKATESWARLU (97304016) (1999),
A comparison of mixed and displacement finite elements for fibre reinforced composite laminates
53. KISHOR SHASHIKANT CHAVAN (97304044) (1999) (jointly with Prof. Dr.-Ing. P. Wriggers of Hannover),
Model adaptivity using bending indicator for membrane and bending general shell elements
54. AMIT THAWANI (98304008) (2000),
Failure analysis of laminated composite plates
55. GIRISH KANDI (2001) (jointly with Dr. Y.M. Desai),
Experimental investigations on durability of bond in FRPC beams

56. RAJESH KUMAR SINGH (99304035) (2001),
Material nonlinear finite element analysis of reinforced concrete shells
57. KALI BABU KATNAM (99304406) (2002),
Finite element analysis of circular and annular plates for flexure and free vibration using a higher order theory
58. VIJAYA RAGHAV AMBATI (00304005) (2002),
Analysis of axisymmetric laminated circular cylindrical shells using segmentation method
59. MAHESH PRASAD CHOUDHURY (00304901) (2002),
An assessment of higher order theories for static analysis of simply supported layered composite and sandwich cylindrical shells
60. MILIND NARAYAN DESAI (01304902) [2003],
Analytical solution for thermal stresses in laminated composite open circular cylindrical shells
61. C. VENKATA SUBBAIAH (03304031) [2005],
Mechanics of functionally graded beams and plates
62. BHARAT M. GANGAN (05304405) [2007],
Finite element analysis of rafts using higher order shear-deformation theory
63. ABHISHEK JAIN (02D04007) [2007],
Finite element analysis of functionally graded plates
64. NRIPENDRA KIMAR ROY (05304803) [2007],
A finite element-numerical integration technique for elastic plates
65. S. JAYARAMAN (05310414) [2007] {jointly with Prof P Seshu},
Finite element vibration analysis of prestressed functionally graded plates using a refined higher order theory
66. SACHIN NARAYANRAO NAIK (06304028) [2008],
Semi-analytical elasticity solutions for arches and cylindrical shells
67. RAMJIBHAI M. PARMAR (06304813) [2008],
Finite element analysis of high strain rate problem for reinforced concrete nuclear containment structures
68. KAMAL SINGH (09304021) [2011],
3-D finite element analysis of solids in cylindrical coordinates
69. SUNMUKH SANGODE (06D04010) [2011],
Design and analysis of chimney in Abaqus
70. ABHAY SINGHAL (06D04018) [2011] {jointly with Prof K M Bajoria},
Performance of rectangular, trapezium and Y-shaped concrete columns confined with fibre reinforced composites
71. K Shravan Kumar Reddy (10304037) [2012],
Bending and free vibrations of functionally graded plates – exact and finite element formulations
72. VINOD KUMAR MEENA (07D04026) [2012],
Analysis of carbon nanotubes