

## ***Professor Tarun Kant***

### **Supervision of PhD thesis students**

1. L N SAMANT (jointly with Professor CK Ramesh), Finite element analysis of concrete pressure vessels (1975)
2. N A SHERIEF (jointly with Professor CK Ramesh), Some studies on the analysis of pressure vessels (1976)
3. P V FADNIS (jointly with Professor K Rajaiah), Thin plate and Mindlin's analyses of continuously and discontinuously supported orthotropic plates (1982)
4. B N PANDYA (844306), Higher-order theories and finite element evaluations for multilayer composite plates (submitted- December 1987; defended- May 1988)
5. MALLIKARJUNA BENNUR (864303), Refined theories and Co finite elements for free vibration and transient dynamics of anisotropic composite and sandwich plates (submitted- 15 November 1988; defended- 16 March 1989)
6. S R MARUR (844307) (jointly with Professor CS Gurujee), Co and C1 finite elements for transient dynamics of building frames (submitted-November 1989; defended- 2 June 1990)
7. R K SINGH (854303) (jointly with Mr. Anil Kakodkar of BARC), Efficient Co finite elements for two and three dimensional fluid-structure interaction problems (submitted- 27 August 1990; defended- 18 January 1991)
8. B S MANJUNATHA (87404004), Evaluation of transverse and interlaminar stresses in fibre reinforced composite and sandwich laminates based on refined theories (submitted- 12 June 1991; defended- 31 December 1991)
9. M P MENON (86404003), Refined theories and finite element evaluations for multilayered composite shells (submitted- 11 November 1991; defended- 10 March 1992)
10. J R KOMMINENI (90404005), Geometric and material non-linear static and dynamic analyses of composite and sandwich plates and shells with a refined theory (submitted- 17 September 1992; defended- 22 February 1993)
11. HEMANT S PATIL (87404301), Elastic buckling of fibre reinforced composite and sandwich laminates with a higher-order shear deformation theory (submitted- 27 November 1992; defended- 11 November 1993)
12. VIJAY RODE (87404302), Finite element incremental elasto-plastic analysis of thick plates with a higher-order deformation theory (submitted- May 1995; defended- 12 March 1996)
13. RAKESH KUMAR KHARE (jointly with Dr JP Shrivastava of GSITS-Indore), Thermal stresses in fibre reinforced composite plates and shells-some studies (submitted- June 1996; defended- November 1996)
14. SHIRISH RAMAJI BHATE (89404704) (jointly with Mr Anil Kakodkar of BARC), Thermal postbuckling of composite laminates--some studies (submitted- December 1997; defended- 9 April 1999)
15. SHRISH SHRINIVAS KALE (94404601) (jointly with Dr Yogesh Desai), Pseudo three-dimensional methodology for inelastic analysis of reinforced concrete plates and shells (submitted- May 1999; defended- 28 January 2000)
16. K SWAMINATHAN (96404302), Analytical evaluation of higher order theories for stress, free vibration and buckling analyses of cross-ply composite and sandwich plates (submitted- December 1999; defended- 12 June 2000)
17. CHENNAREDDY SARATH BABU (96404003), Thermomechanical buckling of fibre-reinforced composite and sandwich plates and shells with higher order theories (submitted- January 2000; defended- 11 June 2001)
18. VELAGAPUDI POORNA VENKATA RAMANA (95404602) (jointly with Prof A. Mukherjee and Dr Yogesh M. Desai), Mechanics of concrete structural elements utilizing fibre reinforced polymer composites as external reinforcement (submitted- November 1999; defended- 11 November 2002)

19. SANDEEP C KULKARNI (00404603) {jointly with Prof Yogesh M Desai}, Uniaxial and biaxial ratcheting of piping systems (submitted- 2004; defended- 04 March 2005)
20. MAHESH R CHITNIS (98404006) {jointly with Prof Yogesh M Desai}, Wave scattering analysis of laminated composite plates and beams: Application to civil engineering structures (submitted- December 2004; defended- 06 April 2005)
21. SANDEEP SHIVRAM PENDHARI (02040901) {jointly with Prof Yogesh M Desai}, A new partial discretization technique in elasto-statics with special reference to laminated composites and sandwiches (submitted- December 2006; defended- 28 July 2007)
22. PAYAL DESAI (03404007), Stress analysis of finite length cylinders – some studies (submitted– 30 May 2008; defended– 29 July 2008)
23. SANDEEP MUKUND SHIYEKAR (04404801), A higher order coupled theory for piezoelectric and functionally graded composite plates (submitted– 05 January 2009; defended– 13 May 2009)
24. RAJESH KUMAR SINGH (04404702) {jointly with Dr R K Singh of BARC}, Nonlinear analysis of reinforced concrete structures with fracture and damage mechanics constitutive models (submitted- November 2008; defended- 08 March 2010)
25. DHIRENDRA KUMAR JHA (07404702) {jointly with Dr R K Singh of BARC}, Stress analysis and free vibration of functionally graded plates with higher order shear and normal deformations theories (submitted- 28 May 2012; defended- 15 September 2012)