



Name: Dr. D L Prabhakara
Teaching Experience: 40 Years
Department: Civil Engineering
Industry Experience: NIL
Designation: Director
Research Experience: 25 Years
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Qualification

Courses	Specialization	Institution	University
BE	Civil Engineering	Malnad College of Engineering	University of Mysore
M.Tech	Applied Mechanics	Indian Institute of Technology, Madras	Indian Institute of Technology, Madras
Ph.D	Aerospace Engg	Indian Institute of Technology, Kharagpur	Indian Institute of Technology, Kharagpur

Membership of Professional Bodies:

- Serving as Director, Sahyadri Educational Institutions.
- Served as Principal and Director, Sahyadri College of Engineering & Management.
- Former Executive Council Member, VTU Belgaum
- Served as Professor & Head, Department of Civil Engineering, Malnad College of Engineering, Hassan.
- Served as Academic Council Member, University of Mysore during 1980-1983
- Served as Chairman, Board of Examinations, PG-Civil, VTU during 2001-2002
- Served as Chairman, Board of Examinations Both PG & UG during 2005-2006
- Served as Chairman, BOE, Mysore university, 1998
- Served as Member to various Boards of Examinations in the state of Karnataka
- Member of Local Inspection Committee of VTU
- Served as Co-ordinator for 11 Years for CADS PG –programme
- Serving as Co-ordinator, Reaserch Centre, MCE Hassan
- Served as Co-ordinator, Consultancy Centre for Two years
- Served as Camp officer of Annual survey camp 6 Times

- Involved in the renovation of Hydraulics Laboratory
- Served as a Member of Anti-ragging Committee
- Convener, 6th VTU Annual Athletic Meet held at Hassan
- Served as Warden, MCE Boy's Hostel for 4 years, 1987-1991

Current Research:

- Successfully carried out a research project titled "Vibration & Buckling Behaviour of Damaged Plates" sanctioned by AICTE (7.75 lakhs)

National Journals:

No. of National Journals Publications:17

1. Vibration buckling and dynamic instability behaviour of doubly curved panels with central circular cutout subjected to a non-uniform partial edge loading *Advance Journal of Vibration*, Vol 4 (2) , 125-137,2005
2. Tension buckling and parametric instability characteristics of doubly curved panels with circular cutout subjected to non uniform tensile edge loading *Thin Walled Structures*, vol 42(7), 947-962,2004
3. Tension buckling and vibration behaviour of laminated composite curved panels subjected to partial edge loading *Composite Structures* Vol 60,2,Page 171-181, May,2003
4. Structural and electrical properties of sol-gel derived plzt ceramics *Bulletin of Pure and Applied Science*,2002
5. Vibration and buckling of laminated composite plates subjected to non-uniform in-plane edge loading. *Journal of Structural Engineering* ,2001
6. Sintering temperature dependent physical and dielectric properties of $Pb_{91}La_{0.9}(Zr_{0.65}Tr_{0.35})_{0.9775}O_3$ ceramics. *Journal of Material Science Letters*,2000
7. Effect of sintering temperature on dielectric properties of $Pb_{91}(La_{1/3}Li_z)_{0.09}(Zr_{0.65}Tr_{0.35})_{0.9775}O_3$. *Materials Letters*,2000
8. Sintering temperature dependent ferroelectric phase transition of $Pb_{91}(La_{1/3}Li_z)_{0.09}(Zr_{0.65}Tr_{0.35})_{0.9775}O_3$. *Journal of Physics and Chemistry of Solids*, 61,2000
9. Effect of sintering temperature on Na-modified PLZT ceramics. *Materials Chemistry and Physics*, Vol,64,2000
10. Phase transition characteristics of PLZT(7/65//35) ceramics sintered at different temperatures. *Bulletin of Pure and Applied Sciences*, 1999
11. Static and dynamic behaviour of rectangular plates with internal flaws subjected to a pair of concentrated loading. *Journal of Structural Engineering (SERC)*, 23(4),1997
12. Vibration, buckling and parametric instability behaviour of plates with centrally located cutouts subjected to in-plane loading. *Thin Walled Structures*, 1997
13. Static and dynamic behaviour of square plates with inhomogeneity subjected to non-uniform edge loading. *Structural Engineering and Mechanics*,1996
14. Static and dynamic elastic behaviour of damaged plates subjected to local in-plane loads *Marine Structures*, 811-818 ,1996
15. Buckling and vibration of rectangular plates subjected to partial edge loading. (compression

- or tension) Journal of Structural Engineering (SERC), 23(4), 1995
16. Parametric instability characteristics of rectangular plates with localised damage subjected to in-plane periodic load. Structural Engineering Review, 1995
 17. Vibration and static stability characteristics of rectangular plates with a localized flaw. Computers & Structures, 1993

International Journals:

No. of International Journals Publications: 8

1. Flutter instability behavior of free-free column with a movable mass subjected to follower drag force, Jl. of Solids and Structures Vol 6, 2 Page215, June, 2006
2. Dynamic instability characteristics of laminated composite doubly curved panels subjected to partially distributed follower edge loading. International Journal of Solids and Structures, 2005
3. Dynamic stability characteristics of doubly curved panels with circular cutout subjected to followers edge load An International journal of "Aircraft Engineering and Aerospace Technology" Vol.77 No.1, 2005.
4. Dynamic instability characteristics of doubly curved panels subjected to partially distributed follower edge loading with damping of Institution of Mech. Engrs. Part C. U.K. Jl. of Mechanical Engg. Science Vol218 (part-C),67-81,2004
5. Vibration and stability behaviour of laminated composite curved panels with central cutout subjected to partial in-plane edge loading International Journal of Structural Stability and Dynamics,2004
6. Dynamic instability characteristics of laminated composite plates subjected to partial follower edge load with damping International Journal of Mechanical Sciences., Vol.43(9), 1429-1448,2003
7. Tension buckling and vibration behaviour of laminated composite doubly curved panels. International Journal of Structural Stability and Dynamics, 2(3).2002
8. Tension buckling and vibration behaviour of curved panels subjected to non-uniform in-plane edge loading International Journal of Structural Stability and Dynamics,2002

National Conferences:

No of National Conferences:19

1. The stability of modified beck's column with a tip support for varying degree of non-conservativeness,35th Congress of ISTAM. 1990
2. Buckling and dynamic behaviour of rectangular plates with localised flaw. Proceedings of 38th Congress of Indian Society of Theoretical and Applied Mechanics, 1993.
3. Buckling and vibration of square plates with centrally located rectangular slots subjected to in-plane edge loading (tension or compression) NAEC -93,1993
4. Studies on the mechanism of migration of pollutants in the unsaturated soil zone through column experiments. National Conference of Water Resources Development and Management, Feb9-10, 2002, Birla Institute of Technology, Mesra. 2002
5. Flutter Stability Analysis of fluid conveying cantilever pipes with intermediate elastic

supports National Conference and Exhibition on “Civil Engineering : Meeting the challenges of Tomorrow (CMCET-2006) 2006

6. Civil Engineering – A challenge National Conference and Exhibition on “Civil Engineering: Meeting the challenges of Tomorrow (CMCET-2006) 2006
7. International conference on smart materials structure and system, ISSS – 2002 , July 17-19,2002 Bangalore2002.
8. Cognition and recognition of numarals using hermite curves Published in the Proceedings of Second National Conference on Document Analysis and Recognition , Mandya, JULY-2003.
9. "Touchable computer generated objects based on scientific visualization and cost effective haptic device "National Conference on Signal Processing Intelligent and Networking at MSRIT, Bangalore, 4-5, DEC 2003.
10. Buckling and vibration behaviour of doubly curved panels subjected to non-uniform biaxial loading (compression/tension) Wave Mechanics and Vibration (WMVC-2003) at Jalpaiguri,2003.
11. Dynamic instability characteristics of laminated angle-ply plates subjected to intermediate partial follower edge load ETSMC-2003 at NIT, Rourkela.2003
12. Dynamic instability characteristics of rectangular plates subjected to intermediate partial follower edge load SEC-2003 at IIT Kharagpur, 2003
13. "System design for deformable modelling "National Conference on Control, Communication and Information System-2004 at Goa College of Engineering, Goa, 22-24, JAN-2004.
14. Flutter analysis of composite plate with crack National Conference on Composite Component Construction , Kakinada, SEP-2005
15. Flutter Instability Analysis of Tuned Cantilever Pipe Conveying Fluid National Conference on Composite Component Construction , Kakinada, SEP-2005
16. Dynamic Instability Analysis of Cantilever Column with Damage National Conference on Advances in Mechanical Engineering, (AIME – 2006)Jan.20-21,2006
17. Dynamic Instability Analysis of Cantilever Under Distributed Follower Load National conference – XIV NASAS, Fatigue, Fracture and ageing Structures VNIT, NAGPUR, PP 237-246, 30-31 Jan 2006,
18. Effect of Density of Fluid on Flutter Instability of Tuned Cantilever Pipe Conveying Fluid National conference – XIV NASAS, Fatigue, Fracture and ageing Structures VNIT, NAGPUR, PP 228-236, 30-31 Jan 2006, 2006
19. Static and Dynamic instability Behaviour of Laminated Composite Panels Subjected to Follower Edge Couple National conference – XIV NASAS, Fatigue, Fracture and ageing Structures VNIT, NAGPUR, PP 201-208, 30-31 Jan 2006,2006.

International Conferences:

No of International Conferences:13

1. Buckling and vibration of rectangular plates with localised flaw. Proceedings of the 14th Canadian Congress of Applied Mechanics, CANCAM-93. 1993
2. “Tensile buckling and vibration behaviour of curved panels "2nd International Conference on Structural Stability and Dynamics. December 16-18, 2002, at Singapore, 2002.

3. Buckling behaviour of curved panels subjected to biaxial concentrated and patch loading. Proceedings of the 2nd International Conference on Structural Stability and Dynamics, December 16-18, 2002, Singapore, 2002.
4. Tension buckling behaviour of laminated composite subjected to non-uniform biaxial loading. International Seminar, Aeronautical Society of India, Kolkata, India. Jan. 2003.
5. E-touch : virtual reality applications in computer haptics A Tutorial at Int. Conf. on Software Agents at BIET, Davanagere in Collaboration with VTU Belgaum, NO. 20, Sept 2003.
6. Digital-touch : system design for computer haptics Conf. on Software Agents at BIET, Davanagere in Collaboration with VTU Belgaum, Sept, 2003.
7. "Collision detection technique for virtual reality applications " Conf. on Software Agents at BIET, Davanagere in Collaboration with VTU Belgaum, Sept, 2003.
8. "Openmosix cluster for high speed computations: issues and solutions " Int. Conf. on Software Agents at BIET, Davanagere in Collaboration with VTU Belgaum, Sept 2003.
9. "Buckling behaviour of laminated composite cylindrical curved panel subjected to biaxial non-uniform edge loading" 54th AGM & International Seminar –cum Exhibition, Jan 21-22, 2003, at Kolkata, 2003.
10. Dynamic instability characteristics of laminated composite plates subjected to intermediate partial follower edge load INCCOM-2 & XII NASAS at IISc Bangalore, 2003.
11. "Virtual reality and haptic technology" A Tutorial Communicated to International Conference on Systemics, Cybernetics and Informatics of Pentagon Research Centre ,Feb 12-15th 2004, Hyderabad, India, 2004.
12. "Architecture of touch-mouse for computer haptics" Communicated to International Conference on Systemics, Cybernetics and Informatics of Pentagon Research Centre ,Feb 12-15th 2004, Hyderabad, India, 2004.
13. Scientific visualisation of flutter and computation haptics for flexible fluid pipe along with animation of flow pattern International conference on human machine interfaces (ICHMI), 2004.