

**Dr. Chellapilla Kameswara Rao,**

**Professor, Department of Mechanical Engineering**

**Academic Experience :**

<b>FROM</b>	<b>TO</b>	<b>EMPLOYER</b>	<b>POSITION</b>
11/2012	10/2013	Gurunanak Institutions Technical Campus	Dean (Mech)
01/2012	10/2012	TKR College of Engineering & Technology	Dean (R&D), Mech.
01/2011	01/2012	Sreenidhi Institute of Science & Technology	Professor, Mech.Engg
04/2008	09/ 2008	Tirumala Engineering College, Bogaram	Principal
09/2008	05/2009	Hitech College of Engineering & Technology	Principal
04/2008	09/ 2008	Narsimha Reddy Engineering College	Principal
03/2006	04/2008	Scitech Patent Art Pvt Ltd.	Manager (Client Relations)
02/2006	02/2006	Nizam Institute of Engineering and Technology, Hyderabad	Vice-principal & Head, Dept. of Mech. Engg.,
08/2004	01/2006	Muffakham Jah College of Engg., & Technology, Hyderabad	Professor & I/C M.E(Cad/Cam) Dept. of Mech. Engg
09/2003	08/2004	Deccan College of Engg. & Tech., Hyderabad.	Professor & Head Dept. of Mech. & Prod. Engg
07/1986	07/1988	University of Ottawa., Dept. of Mechanical Engg.	Senior Lecturer & Post-Doctoral Fellow
1975	1977	Andhra University, Waltair	Post-Doctoral Fellow
1971	1975	Andhra University, Waltair	Associate Lecturer
1970	1971	Andhra University, Waltair	Senior Research Fellow

## **COURSES TAUGHT:**

The following were the subjects/Courses taught :

- **Gurunanak Institutions Technical Campus (Nov. 2012 to Sept. 2013)**  
Undergraduate: (1) Mechanics of Solids (2) Finite Element  
Methods In-charge of Final Year Projects and Comprehensive  
Viva Voce etc.
- **TKR College of Engineering & Technology (Jan 2011 to October 2011)**  
Undergraduate: In-charge of Final Year Projects, Viva Voce  
etc., M.Tech (CAD/CAM): (1) Mechatronics (2) Finite Element  
Analysis
- **Sreenidhi Institute of Science & Technology (Jan 2010 to Jan 2011)**  
Undergraduate : (1) Mechanics of Solids  
(2) Basics of Mechanical Engineering  
M.Tech (CAD/CAM): (1) Mechanics of Composite Materials  
(2) Theory of Mechanical Vibrations  
(3) Optimum Design of Mechanical Elements
- **Muffakham Jah College of Engineering & Technology, Hyderabad(2004-06)**  
Undergraduate: (1) CAD/CAM  
(2) Total Quality Management  
(3) Entrepreneurship  
(4) Intellectual Property Rights  
M.E(CAD/CAM): (1) Theory of Elasticity & Plasticity  
(2) Finite Element Method  
(3) Computer Aided Mechanical Design & Analysis  
(4) Vibration Analysis & Condition Monitoring
- **Deccan College of Engineering & Technology, Hyderabad(2003 to 2004)**  
Undergraduate: (1) Product Design & Process Planning  
(2) Finite Element Method  
(3) Intellectual Property Rights
- **University of Ottawa, Canada (from Sept. 1986 to June 1988)**  
Undergraduate : Engineering Mechanics I  
& II Graduate : Advanced Vibrations  
**Was on study leave from BHEL , Corporate R&D.**  
**Worked as Visiting Professor and Post-Doctoral Research Fellow.**
- **Andhra University, Waltair (from 1971 to 1977)**  
B.E.(Mech) : (1) Advanced Strength of

- Materials
- (2) Computer Aided Design/CAM/CAE
- (3) Numerical Methods & Computer Programming
- (4) Engineering Mechanics

M.E(Machine Design): (1) Theory of Elasticity & Plasticity  
(2) Theory of Mechanical Vibrations

## Education Information :

### DEGREES

DEGREE	UNIVERSITY	DEPARTMENT	YEAR CLASS
PGDCL	Nalsar University of Law	Cyber Law	2005 A++
PGDCL	Nalsar University of Law	Cyber Law	20045 B+
Ph.D.	Andhra University, Waltair, India	Mechanical Engineering	1976-
M.E.	Andhra University, Waltair, India	Machine Design	1971 71%
B.E.	Sree Venkateshwara Univ., Anantapur, India	Mechanical Engineering	1968 67%
B.Sc	Andhra University Narasaraopet, India	Maths, Physics & Chemistry	1965 First

### Area of Specialization :

- Vibrations
- Machine Design
- Engineering Mechanics
- Mechanics of Solids

### Subjects handled :

The following were the subjects/Courses taught :

- **Gurunanak Institutions Technical Campus (Nov. 2012 to Sept. 2013)**  
Undergraduate: (1) Mechanics of Solids (2) Finite Element Methods  
In-charge of Final Year Projects and Comprehensive Viva Voce etc.
- **TKR College of Engineering & Technology (Jan 2011 to October 2011)**  
Undergraduate: In-charge of Final Year Projects, Viva Voce etc.,  
M.Tech (CAD/CAM): (1) Mechatronics (2) Finite Element Analysis

**Sreenidhi Institute of Science & Technology (Jan 2010 to Jan 2011)**

Undergraduate : (1) Mechanics of Solids  
(2) Basics of Mechanical Engineering

M.Tech (CAD/CAM): (1) Mechanics of Composite Materials  
(2) Theory of Mechanical Vibrations  
(3) Optimum Design of Mechanical Elements

- **Muffakham Jah College of Engineering & Technology, Hyderabad(2004-06)**

Undergraduate: (1) CAD/CAM  
(2) Total Quality Management  
(3) Entrepreneurship  
(4) Intellectual Property Rights

M.E(CAD/CAM): (1) Theory of Elasticity & Plasticity  
(2) Finite Element Method  
(3) Computer Aided Mechanical Design & Analysis  
(4) Vibration Analysis & Condition Monitoring

- **Deccan College of Engineering & Technology, Hyderabad(2003 to 2004)**

Undergraduate: (1) Product Design & Process Planning  
(2) Finite Element Method  
(3) Intellectual Property Rights

- **University of Ottawa, Canada (from Sept. 1986 to June 1988)**

Undergraduate : Engineering Mechanics I & II  
Graduate : Advanced Vibrations

**Was on study leave from BHEL , Corporate R&D.  
Worked as Visiting Professor and Post-Doctoral Research Fellow.**

**Andhra University, Waltair (from 1971 to 1977)**

B.E.(Mech) : (1) Advanced Strength of  
Materials  
(2) Computer Aided Design/CAM/CAE  
(3) Numerical Methods & Computer Programming  
(4) Engineering Mechanics

M.E(Machine Design): (1) Theory of Elasticity & Plasticity  
(2) Theory of Mechanical Vibrations

## Papers Published:

- Lokavarapu Bhaskara Rao and Chellapilla Kameswara Rao, "Fundamental Buckling of Circular Plates with Elastically Restrained Edges and Resting on Concentric Rigid Ring Support", *Frontiers of Mechanical Engineering*, (In Print/Proof Corrected), May 2013 issue.
- Lokavarapu Bhaskara Rao and Chellapilla Kameswara Rao, "Frequencies of Circular Plates Weakened Along an Internal Concentric Circle and Elastically Restrained Edge Against Translation", *Journal of Applied Mechanics*, Volume 80, Number 1, Paper No. 011005-1 to 011005-7, January 2013.
- Lokavarapu Bhaskara Rao and Chellapilla Kameswara Rao, "Free Vibration of Circular Plates with Elastic Edge Support and Resting on an Elastic Foundation", *International Journal of Acoustics and Vibration*, Volume 17, Number 4, December 2012, pp.204-207.
- Lokavarapu Bhaskara Rao and Chellapilla Kameswara Rao, " Buckling of Circular Plates with an Internal Elastic Ring Support and Outer Edge Restrained Against Translation", *Journal of Engineering Science and Technology*, Vol. 7, No.3, June 2012, pp. 393 – 401.
- L. Bhaskara Rao and C. Kameswara Rao, "Vibrations of elastically restrained circular plates resting on Winkler Foundation", Accepted for publication in *The Arabian Journal for Science and Engineering*, March 2012.
- Simha, H. S. and Kameswara Rao, C. "Thermal Buckling of Fluid Conveying Single-Walled Carbon Nanotubes Embedded in an Elastic Medium", *International Conference on Nanotechnology & Functional Materials*, SNIST, Hyderabad, 2012.
- Simha, H. S. and Kameswara Rao, C. "Free Vibrations of Fluid Conveying Single-Walled Carbon Nanotubes", *International Conference on Nanotechnology & Functional Materials*, SNIST, Hyderabad, 2012.
- Kameswara Rao, C. and Simha, H. S. "Vibrations of Fluid-Conveying Pipes Resting on Two-parameter Foundation", *The Open Acoustics Journal*, Banthem Publications, 2008, 1, 24-33.
- Simha, H. S. and Kameswara Rao, C. "Critical Velocity of Fluid Conveying Pipes Resting on Two-parameter Foundation", *Journal of Sound and Vibration* 302 (2007) 387–397
- Kameswara Rao, C., Sravana Kumar, G., Vijaya Kumar, K., and Sameer, T., " Fundamental Frequencies of Restrained Cantilever Blades including the Effects of Thermal Gradient", *Proceedings of RACE 2006*, March 3-5, 2006, Osmania University, India.
- Kameswara Rao, C., and Ratna Kiran V., " Finite Element Analysis of Torsional Vibrations of Thin-Walled Beams on Two Parameter Foundation", *Proceedings of RACE 2006*, March 3-5, 2006, Osmania University, India.

- Kameswara Rao, C., and Bhaskara Rao, L., “ Vibrations of Elastically Restrained Circular Plates on Winkler’s Foundation”, Proceedings of RACE 2006, March 3-5, 2006, Osmania University, India.
- Kameswara Rao, C., and Ratna Kiran, V., “Torsional Vibrations of Thin-walled Beams Resting on Continuous Two Parameter Foundation”, Proceedings of National Conference on Advances in CAD/CAM, February 27-28, 2006, JNTU College of Engineering, Kakinada, A.P., India.
- Kameswara Rao, C. “ Frequency Analysis of Boiler Support Structure Subjected to Earthquake Excitation”, (Keynote Speech), Proceedings of International Conference on Advances in Structural Dynamics and its Applications (ICASDA-2005), Conference held at GITAM, Visakhapatnam – 539 045, during 7-9 Dec. 2005, pp. 415 – 424.
- Chellapilla, Kameswara Rao., and Hari Simha, “Critical Flow Velocities of Elastically Restrained Multi-span Fluid Conveying Pipes Resting on Continuous Elastic Foundation”, Proceedings of the 13th International Conference on Nuclear Engineering, Beijing, China, May 2005 Paper No.50473
- Kameswara Rao, C., and Ramesh, M., “Free Torsional Vibrations of Generally Restrained Thin-walled Beams of Open Section”, Proceedings of ICASDA 2005, pp. 210 – 217.
- Kameswara Rao, C., and Simha, H., “ Critical Velocity of Fluid Conveying Pipes Resting on Two-Parameter Foundation”, Proceedings of ICASDA 2005, pp. 609 – 617.
- Radhakrishna, M., and Kameswara Rao, C., “ Vibrations of Double Bellows Type Expansion Joint in Lateral and Rocking Modes”, Accepted for Publication in International Journal of Structural Stability and Dynamics, Published by World Scientific Publishing Co. Pte Ltd, London, U.K.,
- Radhakrishna, M and Kameswara Rao, C. “Axial Vibrations of U Shaped Bellows with Elastically Restrained End Conditions”, Thin-walled Structures, Vol. 42, 2004, pp. 415 – 426, Published by Elsevier Applied Science Publishers, Great Britain.
- Kameswara Rao, C and Radhakrishna, M. “Seismic Response of Elastically Restrained Single Bellows Expansion Joint in Lateral Mode”, Proceedings of the Eleventh International Conference on Nuclear Engineering, April 20-24, 2003, Tokyo, Japan, Paper No. ICONE 11-36400, pp 1-6.
- Kameswara Rao, C and Radhakrishna, M. “Transverse Vibrations of Single Bellows Expansion Joint Restrained Against Rotation”, Proceedings of the Tenth International Conference on Nuclear Engineering, April 14-18, 2002, Arlington, Virginia, USA, Paper No. ICONE 10-22090, pp. 1-5.
- Kameswara Rao, C and Radhakrishna, M. “Transverse Vibrations of Double Expansion Joint Restrained Against Rotation”, Proceedings of the Tenth International Conference on Nuclear Engineering, April 14-18, 2002, Arlington, Virginia, USA, Paper No. ICONE 10-22092.

- Radhakrishna, M and Kameswara Rao, C. "Finite Element Analysis of Axial Vibrations of Single Bellows Elastically Restrained Against Rotation", Proceedings of Second International Conference on Vibration Engineering and Technology of Machinery, VETOMAC-2, December 16-18, 2002, Mumbai, India.
- Radhakrishna, M and Kameswara Rao, C."Finite Element Analysis of Transverse Vibrations of Single Bellows Expansion Joint Restrained Against Rotation", Paper communicated to Journal of Thin-Walled Structures, Elsevier Applied Science Publishers, Great Britain, 2002.
- Radhakrishna, M and Kameswara Rao, C."Vibrations of Fluid Filled Bellows- A State-of-the-Art", Proceedings of the National Symposium on Advances in Structural Dynamics and Design, Jan 9-11, 2001.
- Simha, H. & Kameswara Rao, C., "Finite Element Analysis of Vibrations of Rotationally Restrained Fluid Conveying Pipes Resting on Soil Medium" Proceedings of the National Symposium on Advances in Structural Analysis and Design, pp 569-578, Allied Publishers, Chennai, January 2001.
- Simha, H, and Kameswara Rao, C., "Finite Element Analysis of Vibrations of Rotationally Restrained Fluid Conveying Pipes Resting on Soil Medium", Proceedings of the Conference on Advances in Structural Dynamics and Design held at SERC, Chennai, Jan 2001, pp.569-577.
- Srinivasulu, N. V. & Kameswara Rao, C., "Galerkin Finite Element Analysis of Free Torsional Vibrations of Tapered Cantilever I-Beams" Paper no. CP071, Proceedings of Vibration Engineering and Technology of Machinery, IISc, Bangalore, October 2000.
- Simha, H. & Kameswara Rao, C., "Finite Element Analysis of Vibrations Fluid Conveying Pipes Resting on Soil Medium", Proceedings of the Technical Conference on Pressure Vessels and Piping, pp 173-182, Hyderabad, October 1997.
- Raghava Chary, S., Kameswara Rao, C., and Iyengar, R. N., "Vibration of Fluid Conveying Pipe on Winkler Foundation," Proc of 8th National Convention of Aerospace Engineers on Aeroelasticity, Hydroelasticity and other Fluid-Structure Interaction Problems, IIT Kharagpur, India, pp. 266-287, March 5-6, 1993.
- Kameswara Rao, C., "Frequency Analysis of Two-Span Uniform Euler-Bernoulli Beams," Journal of Sound and Vibration, Vol. 137, pp. 144-150, 1990.
- Kameswara Rao, C., "Frequency Analysis of Clamped-Clamped Uniform Beams with Immediate Elastic Support," Journal of Sound and Vibration, Vol. 133, pp. 502-509, 1989.
- Kameswara Rao, C., and Mirza, S., "Torsional Post-Buckling of Thin-Walled Beams Resting on Continuous Elastic Foundation," Thin-Walled Structures, Vol. 8, pp. 55-62, 1989.

- Kameswara Rao, C., and Mirza, S., "Torsional Vibrations and Buckling of Thin-Walled Beams on Elastic Foundation," *Thin-Walled Structures*, Vol. 7, pp. 73-82, 1989.
- Kameswara Rao, C., and Mirza, S., "Seismic Analysis of High Speed Rotating Machinery," *Nuclear Engineering and Design*, Vol. III, pp. 395-402, 1989.
- Kameswara Rao, C., and Mirza, S., "A Note on Vibrations of Generally Restrained Beams," *Journal of Sound and Vibration*, Vol. 130, pp. 453-465, 1989.
- Kameswara Rao, C., and Mirza, S., "Accurate Estimates of Natural Frequencies and Mode Shapes of Flexible Piping Carrying an Arbitrarily Located Heavy Valve," Chapter 3 - Pipeline Dynamics, Proc. of PVP Conference, Pittsburg, Pennsylvania, Seismic Engineering, PVP-Vol. 144, pp. 221-226, June 1988.
- Kameswara Rao, C., "Fundamental Frequencies of Cantilever Blades with Resilient Roots," *Journal of Sound and Vibration*, Vol. 126, pp. 363-366, 1988.
- Kameswara Rao, C., "Torsional Frequencies and Mode Shapes of Generally Constrained Shafts and Piping," *Journal of Sound and Vibration*, Vol. 125, pp. 115-121, 1988.
- Kameswara Rao, C., and Mirza, S., "Free Torsional Vibrations of Tapered Cantilever I-Beams," *Journal of Sound and Vibration*, Vol. 124, pp. 489-496, 1988.
- Kameswara Rao, C., and Mirza, S., "Seismic Analysis of High-Speed Rotating Machinery," Proc. of 9th International Conference on Structural Mechanics in Reactor Technology, Lausanne, Invited Paper No. K-18-1, August 1987.
- Kameswara Rao, C., and Mirza, S., "Influence of Flexible Connections on the Seismic Response of a Nuclear Condenser," Proc. Canadian Conference on Earthquake Engineering, pp. 553-558, July 1987.
- Kameswara Rao, C., and Mirza, S., "Seismic Response of Flexibly Connected Piping Systems, Proc. of ASME Pressure Vessels and Piping Conference, San Diego, Seismic Engineering, PVP Vol. 127, pp. 308-313, June 1987.
- Kumar, G. V., Kameswara Rao, C., and Chary, S. R., "Pipe Support Design for Dynamic Loads," Proc. of ASME Pressure Vessels and Piping Conference, San Diego, Seismic Engineering, PVP Vol. 127, pp. 303-308, June 1987.
- Kameswara Rao, C., and Mirza, S., "Vibration Frequencies and Mode Shapes for Generally Restrained Bernoulli-Euler Beams," Proc. of ASME Pressure Vessels and Piping Conference, San Diego, Recent Advances in Structural Dynamics, PVP-Vol. 124, pp. 117-121, June 1987.
- Prasad, P. M. L., and Kameswara Rao, C., "Seismic Analysis of SF6 Circuit Breaker," Proc. Of National Symposium on Vibration of Power Plant Equipment, Bombay, pp. III-6.1 to III-6.9, March 1986.



- Kameswara Rao, C., and Prasad, P. M. L., "Seismic Analysis of 70 MW Turbo-Generator Rotor Bearing System," Proc. of National Symposium on Vibration of Power Plant Equipment, Bombay, pp. II-9.1 to II-9.9, March 1986.
- Kameswara Rao, C., "Effects of Bellow and Pipe Support Stiffness on Dynamic Response of Piping Systems," Proc. of ASME Pressure Vessels and Piping Conference, New Orleans, Recent Advances in Seismic Design of Piping and Components, PVP-Vol. 98-3, pp. 267-271, June 1985.
- Rao, J. S., Prasad, P. M. L., and Kameswara Rao, C., "Seismic Analysis of Gasifier Support Structure," Proc. of Mid-Trem Symp. on Earthquake Effects on Plant and Equipment, Hyderabad, Vol. I, pp. 177-181, December 1984.
- Kameswara Rao, C., Pillai, K. S., and Prasad, P. M. L., "Seismic / Wind Analysis of Common Condenser for a Chemical Plant," Proc. of Mid-Trem Symp. on Earthquake Effects on Plant and Equipment, Hyderabad, Vol. I, pp. 257-260, December 1984.
- Kameswara Rao, C., and Prasad, P. M. L., "Seismic Analysis of 70 MW Turbo-Generator Foundation," Proc. of Mid-Trem Symp. on Earthquake Effects on Plant and Equipment, Hyderabad, Vol. I, pp. 143-149, December 1984.
- Kameswara Rao, C., and Vijaya Kumar, G. V., "Effects of Support and Bellow Stiffnesses on Piping Seismic Response," Proc. of Mid-Trem Symp. on Earthquake Effects on Plant and Equipment, Hyderabad, Vol. I, pp. 107-111, December 1984.
- Kameswara Rao, C., "Seismic Analysis of Rotating Mechanical Systems - State of the Art," 28th Congress of Indian Society of Theoretical and Applied Mechanics, December 1983.
- Kameswara Rao, C., and Bhatia, K. G., "Evaluation of Seismic Analysis Techniques for Static Electrical Equipment," Proc. of Seventh Symp. on Earthquake Engineering, Roorkee, Vol. I, pp. 583-588, November 1982.
- Singh, A. K., Ramadasa, K., Kameswara Rao, C., and Bhatia, K. G., "Seismic Analysis of General Piping System for Narora Atomic Power Plant," Proc. of Seventh Symp. on Earthquake Engineering, Roorkee, Vol. I, pp. 571-575, November 1982.
- Kameswara Rao, C., and Bhatia, K. G., "Seismic Analysis of 220 kV Current and Voltage Transformers," Proc. of Seventh Symp. on Earthquake Engineering, Roorkee, Vol. I, pp. 565-569, November 1982.
- Kameswara Rao, C., Ramadasa, K., Singh, A. K., and Bhatia, K. G., "An Approximate Analysis of 110 MW Boiler Supporting Structure Subjected to Seismic Excitation," Proc. of Seventh Symp. on Earthquake Engineering, Roorkee, Vol. I, pp. 561-564, November 1982.

- Kameswara Rao, C., "Seismic Analysis of Instrument Transformers," Proc. of Symp. On Earthquake Disaster Mitigation, Roorkee, India, Vol. I, pp. 165-170, March 1981.
- Kameswara Rao, C., Ramadasa, K., Singh, A. K., and Bhatia, K. G., "Three Dimensional Analysis of 110 MW Boiler Supporting Structure Subjected to Seismic Excitation," Proc. of Seventh World Conference on Earthquake Engineering, Istanbul, Turkey, Vol. 5, pp. 601-608, September 1980.
- Kameswara Rao, C., "Non-linear Torsional Vibrations and Stability of Thin-Walled Beams on Elastic Foundation," Symposium on Large Deformations, IIT, New Delhi, December 1979.
- Kameswara Rao, C., "Galerkin Finite Element Analysis of Torsional Vibrations of Tapered Cantilever I-Beams on Elastic Foundation," Proc. of AGM of Aeronautical Society of India, August 1978.
- Rao, N. L. N., and Kameswara Rao, C., "Vibration Frequencies for Uniform Timoshenko Beams with Central Masses," Machine Building Industry, pp. 5-8, September 1978.
- Kameswara Rao, C., "Free Torsional Vibrations of Viscoelastic Thin-Walled Beams of Open Section," Journal of the Aeronautical Society of India, Vol. 29, Nos. 1,2, pp. 43-48, February-May 1977.
- Kameswara Rao, C., "Forced Torsional Vibrations of Thin-Walled Beams of Open Section with Longitudinal Inertia, Shear Deformation and Viscous Damping," Journal of the Aeronautical Society of India, Vol. 28, No. 4, pp. 405-412, November 1976.
- Kameswara Rao, C., "On the Torsional Wave Propagation in Orthotropic Thin-Walled Beams of Open Section Including Longitudinal Inertia and Shear Deformation," Journal of the Aeronautical Society of India, Vol. 28, No. 3, pp. 283-288, September 1976.
- Kameswara Rao, C., and Prasada Rao, K. S. R., "Frequency Analysis of Rectangular Isotropic Plates by Galerkin Method," Journal of the Aeronautical Society of India, Vol. 28, No. 1, pp. 113-120, February 1976.
- Kameswara Rao, C., and Sarma, P. K., "The Fundamental Frequency of Simply Supported Beams with Uniform Taper," Journal of the Aeronautical Society of India, Vol. 27, No. 4, pp. 169-171, November 1975.
- Kameswara Rao, C., and Satyanarayana, B., "Effect of Thermal Gradient on Frequencies of Tapered Rectangular Plates," AIAA Journal, Vol. 13, No. 8, pp. 1123-1126, August 1975.
- Kameswara Rao, C., "Nonlinear Torsional Vibrations of Thin-Walled Beams of Open Section," J. of Appl. Mech., Trans. ASME, pp. 241-243, March 1975.
- Kameswara Rao, C., and Appala Satyam, A., "Torsional Vibrations and Stability of Thin-Walled Beams on Continuous Elastic Foundation," AIAA Journal, pp. 232-234, February 1975.

- Kameswara Rao, C., Gupta, B. V. R. and Rao, D. L. N., "Torsional Vibrations of Thin-Walled Beams on Continuous Elastic Foundation Using Finite Element Method," Proc. of the Intl. Conference on Finite Element Methods in Engineering, Coimbatore, pp. 231-248, December 1974.
- Kameswara Rao, C., Appa Rao, K. V., and Sarma, P. K., "Effect of Longitudinal Inertia and of Shear Deformation on the Torsional Frequency and Normal Modes of Thin-Walled Open Section Beams," Journal of the Aeronautical Society of India, Vol. 26, Nos. 1,2, pp. 32-41, May 1974.

## **Conferences / Seminars attended :**

Attended & Presented Papers at various International & National Conferences.

- Simha, H. S. and Kameswara Rao, C. "Thermal Buckling of Fluid Conveying Single- Walled Carbon Nanotubes Embedded in an Elastic Medium", International Conference on Nanotechnology & Functional Materials, SNIST, Hyderabad, 2012.
- Simha, H. S. and Kameswara Rao, C. "Free Vibrations of Fluid Conveying Single- Walled Carbon Nanotubes", International Conference on Nanotechnology & Functional Materials, SNIST, Hyderabad, 2012
- Kameswara Rao, C., Sravana Kumar, G., Vijaya Kumar, K., and Sameer, T., " Fundamental Frequencies of Restrained Cantilever Blades including the Effects of Thermal Gradient", Proceedings of RACE 2006, March 3-5, 2006, Osmania University, India.
- Kameswara Rao, C., and Ratna Kiran V., " Finite Element Analysis of Torsional Vibrations of Thin-Walled Beams on Two Parameter Foundation", Proceedings of RACE 2006, March 3-5, 2006, Osmania University, India.
- Kameswara Rao, C., and Bhaskara Rao, L., " Vibrations of Elastically Restrained Circular Plates on Winkler's Foundation", Proceedings of RACE 2006, March 3-5, 2006, Osmania University, India.
- Kameswara Rao, C. " Frequency Analysis of Boiler Support Structure Subjected to Earthquake Excitation", (Keynote Speech), Proceedings of International Conference on Advances in Structural Dynamics and its Applications (ICASDA-2005), Conference held at GITAM, Visakhapatnam – 539 045, during 7-9 Dec. 2005, pp. 415 – 424.
- Kameswara Rao, C., and Ramesh, M., "Free Torsional Vibrations of Generally Restrained Thin-walled Beams of Open Section", Proceedings of ICASDA 2005, pp. 210 – 217.
- Chellapilla, Kameswara Rao., and Hari Simha, "Critical Flow Velocities of Elastically Restrained Multi-span Fluid Conveying Pipes Resting on Continuous Elastic Foundation", Proceedings of the 13th International Conference on Nuclear Engineering, Beijing, China, May 2005 Paper No.50473

- Kameswara Rao, C., and Ratna Kiran, V., “Torsional Vibrations of Thin-walled Beams Resting on Continuous Two Parameter Foundation”, Proceedings of National Conference on Advances in CAD/CAM, February 27-28, 2006, JNTU College of Engineering, Kakinada, A.P., India.
- Kameswara Rao, C., and Simha, H., “ Critical Velocity of Fluid Conveying Pipes Resting on Two-Parameter Foundation”, Proceedings of ICASDA 2005, pp. 609 – 617.
- Kameswara Rao, C., and Simha, H., “ Critical Velocity of Fluid Conveying Pipes Resting on Two-Parameter Foundation”, Proceedings of ICASDA 2005, pp. 609 – 617.
- Kameswara Rao, C and Radhakrishna, M. “Seismic Response of Elastically Restrained Single Bellows Expansion Joint in Lateral Mode”, Proceedings of the Eleventh International Conference on Nuclear Engineering, April 20-24, 2003, Tokyo, Japan, Paper No. ICONE 11-36400, pp 1-6.
- Kameswara Rao, C and Radhakrishna, M. “Transverse Vibrations of Double Expansion Joint Restrained Against Rotation”, Proceedings of the Tenth International Conference on Nuclear Engineering, April 14-18, 2002, Arlington, Virginia, USA, Paper No. ICONE 10-22092.
- Kameswara Rao, C and Radhakrishna, M. “Transverse Vibrations of Single Bellows Expansion Joint Restrained Against Rotation”, Proceedings of the Tenth International Conference on Nuclear Engineering, April 14-18,2002, Arlington, Virginia, USA, Paper No. ICONE 10-22090, pp. 1-5.
- Radhakrishna, M and Kameswara Rao, C. “Finite Element Analysis of Axial Vibrations of Single Bellows Elastically Restrained Against Rotation”, Proceedings of Second International Conference on Vibration Engineering and Technology of Machinery, VETOMAC-2, December 16-18, 2002, Mumbai, India.
- Radhakrishna, M and Kameswara Rao, C.”Finite Element Analysis of Transverse Vibrations of Single Bellows Expansion Joint Restrained Against Rotation”, Paper communicated to Journal of Thin-Walled Structures, Elsevier Applied Science Publishers, Great Britain, 2002.
- Radhakrishna, M and Kameswara Rao, C.”Vibrations of Fluid Filled Bellows- A State- of-the-Art”, Proceedings of the National Symposium on Advances in Structural Dynamics and Design, Jan 9-11, 2001.
- Simha, H. & Kameswara Rao, C., "Finite Element Analysis of Vibrations of Rotationally Restrained Fluid Conveying Pipes Resting on Soil Medium" Proceedings of the National Symposium on Advances in Structural Analysis and Design, pp 569-578, Allied Publishers, Chennai, January 2001.
- Simha, H, and Kameswara Rao, C., “Finite Element Analysis of Vibrations of Rotationally Restrained Fluid Conveying Pipes Resting on Soil Medium”, Proceedings of the Conference on Advances in

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## Memberships :

- Member of Indian Society of Earthquake Engg. Society, IIT, Roorkee.

## Industry Experience :

YEAR FROM TO	EMPLOYER	POSITION
1998 to 2003 (Retd. On VRS)	Bharat Heavy Electricals Ltd Corporate R&D Division	Senior Dy. General Manager & Head, Intellectual Property Management
1994 to 1998	Bharat Heavy Electricals Ltd. Corporate R&D Division	Dy. General Manager & Head, Consultancy Projects Group
1990 to 1994	Bharat Heavy Electricals Ltd, Corporate R&D Division	Sr. Manager & Head, Vibrations & Structural Dynamics
1985 to 1990	Bharat Heavy Electricals Ltd. Corporate R&D Division	Manager & Head, Vibrations & Structural Dynamics
1981 to 1985	Bharat Heavy Electricals Ltd. Corporate R&D Division	Dy. Manager & Head, Vibrations & Structural Dynamics
1977 to 1981	Bharat Heavy Electricals Ltd. Corporate R&D Division,BHEL	Senior Engineer, Vibrations & Struct.Dyn.