CURRICULUM VITAE
of
Dr. B. SURYANARAYANA MURTHY

Address *Residence*

: **Dr. B.S.N. Murthy**
Quarter No: 14 FF,
Sea Sand Quarters,
Andhra University Campus,
Visakhapatnam – 530 003.
Mobile: 94403 41130
✆ 0891- 2566653
Email: bsnmurthy_au@yahoo.co.in

Office

Dr. B.S.N. Murthy
Associate Professor
Dept. of Mech. Engg.
GITAM Institute of Tech.
GITAM University
Visakhaptanam – 530 051

Date of Birth : 24-04-1975

Academic qualifications:

- **Ph.D**. in Mechanical Engineering from Andhra University, awarded in 2008.
- **Post-Graduation** in Mechanical Engineering with Machine Design specialization from Andhra University in 2001.
- **Graduation** in Mechanical Engineering from Andhra University in 1997.

Research & Teaching Experience:

- Currently working as an Associate Professor in the Department of Mechanical Engineering, Gitam University, Visakhapatnam since Dec 2008.
- One and half year (June 2007 to Dec 2008) works as Assistant Professor in the Department of Mechanical Engineering, Gitam University, Visakhapatnam.
- Four years (December 2003-June 2007) at Department of Mechanical Engineering, College of Engineering, Andhra University, Visakhapatnam as Senior Research Fellow.
- Two years (2001-2003) Worked as Research Associate in Naval Science and Technological Laboratory (NSTL), Visakhapatnam.
- One year of teaching at Under-Graduate level (2000-2001) at Department of Mechanical Engineering, College of Engineering, Andhra University, Visakhapatnam.

Programming Skills: C and C++, MATLAB, Use of ANSYS

Experimental Skills: Experimental Modal Analysis techniques

List of Publications in Journals:

S No.	Title of Paper	Name of Journal	Year, Issue No, Month
International Journals :			
1	Fault diagnosis of bladed rotor using displacement residual	Journal of Sound and Vibrations	Vol. 316, 2008, pp. 25-31
2	Damage detection in Mechanical systems using Fourier coefficients	Journal of Sound and Vibration	Vol. 303, 2007, pp. 909-917
3	Damage detection in drive-line using response-based optimization	Journal of Automobile Engineering,	Proc. of I Mech E, Part-D,2007, pp. 1399-1404
4	Damage detection in vibrating bodies using Genetic algorithms	Journal of Computers and Structures	Vol. 82, 2004, pp. 963-968
5	Scanning electron microscope studies on dry sliding wear behavior of metal matrix composites with aluminum and rice husk ash	International Journal of Integrative sciences, Innovation and Technology	Vol.1 (2), 2012, pp. 1-5.
6	Design and Fabrication of Humanoid Robot With 21 Dof (GNANO-369)	International Journal on Interactive Design and Manufacturing (IJIDeM),	Communicated
7	Design Analysis of Mounting Structures of Electronic Packages of Flight Air Frames	Journal of Mechanical Science and Technology	Communicated
National Journals			
8	Response based failure detection using genetic algorithm",	Journal of Acous. Soc. India,	Vol. 31, 2003, pp. 65-71.
9	Effect of foundation flexibility on the response of Engine Mount	Journal of Acous. Soc. India	Vol. 28(1), 2000, pp. 217-218.

List of Publications in Conferences / Seminars:

S No.	Title of Paper	Name of the Seminar	Year
	International Seminars :		
1	Gas turbine blade fault diagnosis using Genetic Algorithm	International Conference on CFEMATCON-06	2006

2	Nero Fuzzy Strategy to predict levels of damage in Non-linear Mechanical systems	International Conference on VETOMAC	2004
3	Effects of Delamination in Composite plates, International conference on High strength composite material.	International Conference on high strength composite materials	2003
4	Dynamic control of a continuous system using Neural Network controller	International Conference on VETOMAC	2002
5	Damage Detection In Vibrating Bodies Using Genetic Algorithms	6th International Conference on Motion and Vibration Control	2002
6	Vibration Analysis of the uniform Turbine Blade and Life estimation using Finite Element Approach	International conference on Condition Monitoring-2011	2011
7	Lateral and Torsional Vibration Analysis of Gas Turbine Rotor	International conference on Condition Monitoring-2011	2011
8	Applications of Cepstrum in Vibration Analysis	International conference on Condition Monitoring-2011	2011
9	Optimization of surface damping treatments for reducing Structural Vibrations	3rd Asian Conference on Mechanics of Functional Materials and Structures	2012

Current Status:

Working as Associate Professor in the Department of Mechanical Engineering, Gitam Institute of Technology, Gitam University, Visakhapatnam.

Research Interests:

Vibration-based Damage identification of linear and nonlinear systems, Experimental vibration analysis, Finite element Analysis, Optimization Methods and Neural networks