

**Dr. Santhosh Doreswamy**

Assistant Professor

Dept. of Mechanical Engineering

B. M. S. College of Engineering

P. B. No. 1908, Bull Temple Road

Bengaluru - 560019

India

**Education**

Bachelor of Engineering in Mechanical Engineering, Bangalore Institute of Technology, Bengaluru, India.

Thesis title: Singular Stress Field around Edge Delamination in Angle Ply Symmetric Composite Laminate—A Finite Element Investigation

First Class with Distinction (75.58 %)

August 1998–July 2002

Master of Technology in Mechanical Engineering (Specialization: Machine Design), B. M. S. College of Engineering, Bengaluru, India.

Thesis title: Coupled Electro-Elastic Force based Finite Element Formulation of Shear Flexible Timoshenko Beam

First Class with Distinction (86.45 %)

(MHRD scholarship)

August 2004–July 2006

Doctor of Philosophy in Mechanical Engineering, Indian Institute of Science, Bengaluru, India.

Thesis title: A Study of Mode Dependent Energy Dissipation in 2D MEMS Resonators  
Cumulative Grade Point Average: 6.7/8.0

(MHRD scholarship, Ph. D. degree awarded on 23 December 2014) August 2006–June 2014

Research Associate, Center for Nano Science and Engineering, Indian Institute of Science, Bengaluru-560012, India.

(MIT0-084, Center for Excellence in Nanoelectronics-CEN, phase II, Project Funding)

July 2014–December 2014

Joint External Research Associate with Laboratory of Atomic & Solid State Physics, Dept. of Physics, Cornell University, Clark Hall of Science, Ithaca, New York and Center for Nano Science and Engineering, Indian Institute of Science, Bengaluru-560012, India.

(Project Funding for Design of Mechanical Resonators)

January 2015–August 2015

**Research Areas**

Numerical Methods, Numerical Linear Algebra, MEMS Design, Analysis, Fluid-Structure Interaction, Acoustics, Vibrations of Plates, Advanced Mechanics of Solids, Design of Machine Elements, Control System Engineering.