

# CURRICULUM - VITAE

**Dr. Devdutt**

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## ❖ EDUCATION

- 2010-2016 Ph. D from Y.M.C.A. University of Science & Technology, Faridabad, Haryana.  
Thesis Topic: An Investigation of Effectiveness and Damping Capabilities of Hydraulic Shock Absorbers.
- 2005-2007 M. Tech. (Manufacturing Technology & Automation - 79.70% ) with First Class Honours from Y.M.C.A Institute of Engg., Faridabad, M.D. University, Rohtak, Haryana.
- 1997-2001 B. E. (Production Engineering - 72.13%) with First Class Honours from S.R.T.M. University, Nanded, Maharastra.
- 1997 12<sup>th</sup> (H.B.S.E. - 77.50 %) from Vidya Mandir Public School, Faridabad, Haryana.
- 1995 10<sup>th</sup> (H.B.S.E - 68.33 %) from A.V.N. Sr. Secondary School, Faridabad, Haryana.

## ❖ PUBLICATIONS

### **Publications in International Journals**

1. Devdutt, M.L. Aggarwal, Fuzzy Control of Seat Vibrations for Semi-Active Quarter Vehicle System Utilizing Magnetorheological Damper, International Journal of Engineering Inventions, Vol. 1, Issue 12, 2012, pp. 51-56.
2. Devdutt, M.L. Aggarwal, Fuzzy Logic Control of a Semi-Active Quarter Car System, International Journal of Mechanical, Industrial Science and Engineering, World Academy of Science, Engineering and Technology, Volume 8, No. 1, 2014, pp. 163-167.
3. Devdutt, M.L. Aggarwal, Passenger seat vibration control of semi-active quarter car system with fuzzy controller, YMCAUST International Journal of Research, Volume 2, Issue 1, 2014, pp. 6-14.
4. Devdutt, M.L. Aggarwal, Passenger Seat Vibration Control of Quarter Car System with MR Shock Absorber, International Journal of Computer, Information, Mechatronics, Systems Science and Engineering ,Volume 8, No. 5, 2014, pp. 707-714.
5. Devdutt, M.L. Aggarwal, Comparative Analysis of Passenger Ride Comfort Using Various Semi-Active Suspension Alternatives, International Journal of Recent advances in Mechanical Engineering (IJMECH), Wireilla Scientific Publications, Volume 3, No. 3, 2014, pp. 79-89.

6. Devdutt, M.L. Aggarwal, Fuzzy control of passenger ride performance using MR shock absorber suspension in quarter car model, International Journal of Dynamics and Control, Springerlink, 2014, DOI 10.1007/s40435-014-0128-z.
7. Devdutt, M.L. Aggarwal, Hybrid Fuzzy-PID Control of a Semi-Active Quarter Car System, MR International Journal of Engineering and Technology, Vol. 6, No. 2, December, 2014, pp. 21-26.
8. Devdutt, M.L. Aggarwal, Simultaneous Optimization of Semiactive Quarter Car Suspension Parameters using Taguchi Method and Grey Relational Analysis, International Journal of Recent advances in Mechanical Engineering (IJMECH), Wireilla Scientific Publications, Vol.4, No.1, February 2015, pp. 61-75.
9. Devdutt, M.L. Aggarwal, Passenger seat vibration control of a semi-active quarter car system with hybrid Fuzzy – PID approach, International Journal of Dynamics and Control, Springerlink, DOI 10.1007/s40435-015-0175-0.
10. Devdutt, M. L. Aggarwal, Active Vibration Control of Passenger Seat with HFPIDCR Controlled Suspension Alternatives, International Journal of Mechanical, Aerospace, Industrial, Mechatronic and Manufacturing Engineering Vol:10, No:5, 2016, pp. 916-23.

#### **Publications in Conference Proceedings**

1. Devdutt, M.L. Aggarwal, Trends and advances in austenitic stainless steel, National Conf. on Trends and Advances in Mech. Engg., YMCAIE Faridabad, 2006, pp. 470-471.
2. Devdutt, M.L. Aggarwal, Fuzzy control of semi-active quarter car suspension system with MR damper, Proceedings of National Conference on Trends and Advances in Mechanical Engineering, TAME-2012 held at YMCAUST, Faridabad, OCT 19-20, 2012, pp. 296-304.

#### **❖ TEACHING AND RESEARCH INTERESTS**

- Design Engineering
- Noise, Vibration and Ride quality related to active and semi-active vehicle suspension system.

**❖ TOTAL EXPERIENCE: 12 Years (Teaching : 8 Years + Industrial : 4 Years)**

#### **❖ TEACHING EXPERIENCE**

**Employer** : **Manav Rachna International University, Faridabad, Haryana**  
**Designation** : Associate Professor  
**Duration** : July 2010 – Till Date

#### **Subjects Taught:**

1. Strength of Materials

2. Machine Design
3. Computer Aided Design
4. Metrology, Measurement & Control
5. Flexible Manufacturing Systems
6. General Engineering
7. Thermal Engineering
8. Fluid Mechanics

**Employer** : **Applied College of Management & Engineering, Palwal, Haryana**

Designation : Assistant Professor

Duration : July 2009 to July 2010

**Subjects Taught:**

1. Machine Design – I
2. Machine Design - II
3. Workshop Technology
4. Manufacturing Technology

*Additional Responsibilities*

1. Class counselor for 4<sup>th</sup> Sem. Mechanical Engg. students.
2. Member of Time Table making team and ISO file work team in the department.
3. Member of Training and Placement Team in college for Mechanical Engg. students.

**Employer** : **Y.M.C.A.I.E., Faridabad, Haryana**

Designation : Guest Faculty

Duration : Aug. 2001-May 2002

**Subjects Taught:**

1. Engg. Mechanics
2. Theory of Machines
3. Engg. Drawing
4. Machine Drawing

❖ **INDUSTRIAL EXPERIENCE**

**Employer** : **Hella India Lighting Ltd., Faridabad, Haryana**

Designation : Sr. Engineer – Design & Development

Department : Design & Development

Duration : June 2007 - June 2009

**Employer** : **ACE Cranes Ltd., Faridabad, Haryana**

Designation : Engineer

Department : Manufacturing  
Duration : October 2004 - May 2005

**Employer : Sterling Tools Limited, Faridabad, Haryana**  
Designation : Graduate Engineer Trainee  
Department : Production Engg.  
Duration : Sep. 2002 -Feb.2004

❖ **SOFTWARE EXPOSURE**

- Auto-CAD
- Pro-E
- MATLAB/ Simulink
- MS-Office

❖ **PERSONAL DETAILS**

Date of Birth : 25th Aug., 1979  
Father's Name : Late Sh. Chanderpal Singh  
Sex : Male  
Address : H. No. 856, Sector 15A, Faridabad, Pin-121006  
Marital Status : Married  
Languages Known : Hindi and English  
Nationality : Indian

Place:

Date:

**(Dr. DEVDUTT)**