

## Resume

**Dr. V V S Surya Kumar Dadi, Ph.D (EQ-Str. Dynamics (IITR))**

**Assistant Professor**

Department of Civil Engineering,  
Institute of Technology Guru Ghasidas Vishwavidyalaya (ITGGV),  
Bilaspur-495009, (C.G.), India.

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**Dr.V V S Surya Kumar Dadi, B Tech.(Civil), M.Tech. (EQ-Str. Dynamics), Ph. D. (EQ-Str. Dynamics)**  
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### Areas of Interest

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<b>Teaching:</b>	Civil Engineering and Structural Engineering
<b>Research:</b>	Earthquake Resistant Design, Experimental Evaluation of RC elements, Performance Based Design, Nonlinear modeling of RC Structures
<b>Consultancy:</b>	Seismic Design and Evaluation of Structures, Testing of RC Components, Performance Based Design of Structures, Nonlinear Modeling of RC Structures, Design of Steel Structures

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### Technical Education

1. **Ph.D.** (Earthquake Engineering-Structural Dynamics), Indian Institute of Technology, Roorkee, India. [2005 – 2010]
2. **M.Tech.** (Earthquake Engineering-Structural Dynamics), Indian Institute of Technology, Roorkee, India.[2002 – 2004]
3. **B. Tech.** (Civil Engineering), J.N.T.U.C.E. Hyderabad, India [1997 – 2000]
4. **Diploma** (Civil Engineering), S.B.T.E.T., Hyderabad, India [1993 – 1996]

### Academic Awards and Achievements

1. Awards of Research Associate Fellowships for carrying research under consultancy projects.
2. Award of Senior Research Fellowship for carrying Research under Department of Science and Technology (DST) project.
3. Ministry of Human Resources and Development scholarship for Ph.D. studies.
4. Ministry of Human Resources and Development scholarship for post-graduate studies.
5. Among the top three of the Class in B. Tech and obtained First Class with Distinction
6. Class Topper in Diploma in Civil Engineering and obtained First Class with Distinction

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## Professional Experience

### **1. Assistant Professor,**

Department of Civil Engineering, Institute of Technology, Guru Ghasidas Vishwavidyalaya, Bilaspur (ITGGV, BSP), (C.G.), India.

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[Apr. 2012 – till date]

### **2. Assistant Professor, (On Contract)**

Department of Civil Engineering, National Institute of Technology, Jamshedpur (NIT, JSR) Jharkhand, India.

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[Apr. 2011 - Apr. 2012]

### **3. Research Associate (R.A.), (Consultancy project-BMPTC)**

Department of Earthquake Engineering, Indian Institute of Technology Roorkee, India.

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[Mar. 2011 – Apr. 2011]

### **4. Research Associate (R.A.), (Consultancy project-SAIL)**

Department of Earthquake Engineering, Indian Institute of Technology Roorkee, India.

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[Jan. 2010 – Feb. 2011]

### **5. Research Associate (R.A.), (Consultancy project-MOSERBAER)**

Department of Earthquake Engineering, Indian Institute of Technology Roorkee, India.

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[Jan. 2009 – Dec. 2009]

### **6. Senior Research Fellow (S.R.F.), (Research project-DST)**

Department of Earthquake Engineering, Indian Institute of Technology Roorkee, India.

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[Aug. 2004 – Oct. 2007]

## Academic Projects

### **• PhD Thesis:**

“Nonlinear Modeling of Soft-storey RC Frame Based on Cyclic Testing of Components.”

### **• M.Tech. Dissertation:**

“Seismic Evaluation of Reinforced Concrete Building with a Soft-Storey”

### **• B. Tech Project:**

“Wind Analysis and Design of Multi-Storied Hotel Building”

**Courses taken during M.Tech./Ph. D**

- Earthquake Resistant Design of Special Structures
- Repair and Retrofitting of Structures
- Earthquake Resistant Design of Structures
- Earthquake Resistant Design of Bridges and Concrete Dams
- Finite Element Methods
- Design of masonry structures
- Numerical Methods for Dynamic Systems
- Computer Aided Analysis and Computer Applications
- Engineering Seismology
- Theory of vibrations
- Earthquake Resistant Design of Foundations
- Solid Mechanics

**Computer Skills**

- Programming languages: FORTRAN, MATLAB.
- Graphical packages: AUTOCAD
- Structural Engineering packages: STAAD PRO, ARTEMIS, ANSYS, SAP 2000 (Nonlinear)

**List of Publications****International/National journals/ Conf./sem./Symp.**

1. **V V S Surya Kumar DADI** and Pankaj Agarwal (2008) **“Cyclic behavior of exterior beam column joint specimens under quasi static testing”**, the 14<sup>th</sup> World Conference on Earthquake Engineering, Beijing, China oct-12-17, pp. No-12-01-0209.
2. **V V S Surya Kumar DADI** and Pankaj Agarwal (2009) **“Evaluation of ductile performance of exterior beam column joints under cyclic loading”**, National conference on Trends and challenges in structural engineering and construction technologies (TCSECT-2009), Central Building Research Institute(CBRI) Roorkee, India on Feb 11-12.
3. **V V S Surya Kumar DADI** , Ratnesh kumar and Girish Chandra joshi (2009) **“Seismic survey and condition assessment of school buildings in uttarakhand”**, National seminar on Housing and Disaster Mitigation Efforts in India: Case Studies (HDME-2009), Centre for Excellence in Disaster Mitigation and Management, IIT Roorkee, India April 18th