

# ***CURRICULUM VITAE***

***Mr. R S Patil***

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## ***Academic Qualifications***

- M.Tech, in Structural Engineering, Government Engineering College, Haveri, VTU Belagavi, 2013.
- B.E, Bachelor of Engineering in Civil Engineering, Rural Engineering College, Hulkoti,VTU Belagavi, Bangalore. 2006.

## ***Experience***

- 8years of experience in Teaching and Industry.

### ***Academic:***

- Assistant Professor, Department of Civil Engineering,RR Institute of Technology, Bangalore. 16<sup>th</sup> Jan 2015.
- Assistant Professor, Department of Civil Engineering, Vijaya Vittala Institute of Technology, Bangalore, 01<sup>th</sup> August 2013 to 29<sup>th</sup> December 2008.
- Lecturer, Department of Civil Engineering, Rajiv Gandhi Memorial Polytechnic, Bangalore, July 2010 to October 2011.
- Site Engineer in NCC Urban Infrastructure Ltd Bangalore August 2008-July 2010.
- Site Engineer in Adarsh Developers Bangalore July 2006-July 2008.

## ***Evaluation and others:***

- Worked in several confidential assignments of examination(Theory and Practical) of VTU, Belgaum.
- Worked in several confidential assignments of examination (Theory and Practical) of DTE, Bangalore.

## ***Memberships of Professional Bodies:***

## ***Expert Lectures delivered***

- Resource Person for workshop on “Construction Project Management”, 20th April 2016 atRR Institute of Technology, Bangalore.
- Resource Person for workshop on “Finite Element Method & Its Application to Earthquake Resistant Design of Structures”, 21<sup>st</sup> September 2016 at RR Institute of Technology, Bangalore.

## ***Study Materials developed***

- Laboratory Manual for Computer Aided Design Laboratory.

## ***Course Subjects taught***

### ***UG Level***

- Strength of Materials.
- Elements of Civil Engg & Mechanics.
- Structural Analysis.
- RCC.
- Prestressed Concrete.
- Steel Structures.
- Geotechnical Engineering.

- Surveying.
- Hydraulic Structures & Irrigation Design Drawing.
- Hydrology and Irrigation.
- Building Planning and Drawing.
- Structural Dynamics
- CAD lab
- Surveying lab
- Geotechnical lab.

#### **PG Level**

- Structural Dynamics.
- Earthquake resistant Structures Design.
- Construction Project Management.

#### **Student Projects Guided**

- UG: 05
- PG: 05
- Extensive survey project: 5 times (2 times Camp Officer)

#### **Under Graduate Students**

1. Effect of Road Gradient on Road Traffic Noise
2. Study of Influence of Horizontal Curve on Out Door Propagation of Road Traffic Noise.
3. Development of Vehicular Noise Prediction Models for Rural and Urban Road Traffic.
4. GIS Based Noise Pollution Analysis on National Highway (NH – 7).
5. Design of Water Treatment Plant for Hosur Town using Dynamic Programming.
6. Design of Water Distribution System for AERI Campus.
7. Design of Solid Waste Management System for Hosur Town
8. Environmental Sanitation Survey of AERI Campus.

#### **Post Graduate Students**

1. Water Quality Modeling of Lakes in Hosur Town.
2. Study of Performance of Kelavarapalli Water Treatment.

#### ***Programs/Seminars/Conferences Organized***

1. Workshop on “Finite Element Method & Its Application to Earthquake Resistant Design of Structures” RR Institute of Technology, Bangalore.
2. National Conference on “Advancements in Science, Engineering & Technology” held on 6<sup>th</sup> & 7<sup>th</sup> May 2016 at RR Institute of Technology, Bangalore.
3. Workshop on “Advanced Surveying Techniques”, RR Institute of Technology, Bangalore.
4. Workshop on “Construction Project Management”, RR Institute of Technology, Bangalore.
5. International Conference on Civil Engineering, VVIT Bangalore.
6. Workshop on “Emerging Trends in Civil Engineering”, VVIT Bangalore, India.

### ***Programs/Seminars/Conferences Attended***

1. National Conference on “Advancements in Science, Engineering & Technology” held on 6<sup>th</sup>& 7th May 2016 at RR Institute of Technology, Bangalore.
2. Workshop on “Advanced Surveying Techniques”, RR Institute of Technology, Bangalore.
3. Workshop on “Construction Project Management”, RR Institute of Technology, Bangalore.
4. Two week workshop on “Introduction to Structural Engineering” at KLEIT, Hubli organized by IIT Kharagpur.
5. Two day “Bentley Conference” on Civil Engineering Softwares at Hotel Capitol on 3<sup>rd</sup>& 4<sup>th</sup> December 2015.
6. International Conference on Civil Engineering, VVIT Bangalore.
7. Faculty Development Program on “Theoretical, Computational and Applied Mechanics”, organized by Department of Mechanical Engineering, BMSCE, Bangalore.
8. Workshop on “Emerging Trends in Civil Engineering”, VVIT Bangalore, India.

### ***Consultancy***

- Conducted material testing for the government projects at RRIT.

### ***Publications***

#### **Conferences:**

1. R.S. Patil, H.N. Rajakumara, “Effect of vertical ground acceleration on buildings”. National Conference on Advancements in Science, Engineering & Technology held on 6<sup>th</sup>& 7th May 2016 at RR Institute of Technology, Bangalore.
2. R.S. Patil et al “Analysis and design of frame by shear wall interacting system in multi storey building” National Conference on Advancements in Science, Engineering & Technology held on 6<sup>th</sup>& 7th May 2016 at RR Institute of Technology, Bangalore.
3. R.S. Patil et al “Hydrological analysis and design of check dam for water supply” National Conference on Advancements in Science, Engineering & Technology held on 6<sup>th</sup>& 7th May 2016 at RR Institute of Technology, Bangalore.
4. R.S. Patil, H.N. Rajakumara, Rudraswamy M P, “Effect of replacement of natural sand by blends of fly ash and bottom ash on properties of concrete” National Conference on Advancements in Science, Engineering & Technology held on 6<sup>th</sup>& 7th May 2016 at RR Institute of Technology, Bangalore.
5. R.S. Patil et al “Strength characteristics of hybrid fiber reinforced concrete replacing natural sand by fly ash and bottom ash” National Conference on Advancements in Science, Engineering & Technology held on 6<sup>th</sup>& 7th May 2016 at RR Institute of Technology, Bangalore.

6.R.S.Patil et al, "Mitigation of seismic response using friction pendulum bearings", two day National Conference on Recent Research Advances in Civil Engineering organized by Department of Civil Engineering, Osmania University, Hyderabad.