

## **BIODATA**

**DR. V.K. VERMA**, Ph.D., IIT Roorkee  
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**DATE OF BIRTH** Jan 1<sup>st</sup>, 1975

### **EXPERIENCE**

Assistant Professor in Civil Engineering Department at College of Technology, G. B. Pant University of Agriculture & Technology, Pantnagar (U. S. Nagar), Uttarakhand, Feb 2004-Till date

### **QUALIFICATION**

Ph.D.

### **SPECIALIZATION**

Structural Engineering

### **RESEARCH AREA**

- (i) Composite Material
- (ii) Earthquake mitigation and management
- (iii) Retrofitting of building and Bridges
- (iv) Construction and Management
- (v) Quality control
- (vi) Digital Image Correlation System

### **COURSE TAUGHT**

- 1) TCE -131 Solid Mechanics
- 2) TCE-100 Engineering Drawing
- 3) TCE-225 Strength of Materials
- 4) TCE-231 Theory of Structures-I
- 5) TCE-231 Theory of Structures-II
- 6) TCE-234 Design of Concrete Structures-I
- 7) TCE-234 Design of Concrete Structures-II

- 8) TCE-433 Bridge Engineering
- 9) TCE- 435 Prestressed Concrete
- 10) TCE- 436 Matrix Methods in Structural Analysis
- 11) TCE- 438 Limit State Design
- 12) TCE- 439 Earthquake Engineering
- 13) TCE- 606 Experimental Stress Analysis
- 14) TCE- 621 Limit State Design of Concrete Structures
- 15) TCE-739 Engineering Mechanics

**Co-curricular, Extension & Professional development activities:**

- 1) Rendering consultancy services to various Government/ private agencies in material testing & quality assessment.
- 2) Worked as Lab Incharge of Structural Engineering laboratory of Civil Engineering Department, Pantnagar.
- 3) Worked as Programme officer N.S.S.
- 4) Worked as Co- Incharge College Time Table.
- 5) Worked actively in procurement and proposal making of the TEQIP Projects
- 6) Worked as Secretary Departmental Meetings.
- 7) Performed Kisaan Mela duty.
- 8) Nodal Officer TEQIP-II, TEQIP-III
- 9) Time Table I/C Department
- 10) Member of Technical Verification Committee for the civil engineering construction in the University.

**Publications in related field-**

1. Gupta P.K., Verma V.K. (2014), Study of concrete filled unplasticized polyvinyl chloride tubes in marine environment, Journal of Engineering for the maritime environment, U.K.
2. Gupta P.K, Verma V.K. Numerical study on axial compression of plastic tubes, The fourth international fib congress on improving performance of concrete structures at Mumbai, India, 10th - 14th February 2014, pp.662-667.
3. Gupta, P.K., Verma V.K., Khaudhair, Z.A. Singh, H., and Ahuja, A.K., Effect of tube area on the behavior of concrete filled tubular columns, Computers and Concrete, Techno Press, South Korea.
4. Gupta, P.K., Verma V.K., study of concrete filled Unplasticised polyvinyl chloride (UPVC) tubes in marine environment, Journal of Engineering for the maritime Environment, SAGE Publication, U.K.
5. Verma V.K and Kumar Virendra, “Mechanical Properties of High Strength Concrete Subjected to Temperature Rise”, International Conference on Advances in Materials Mechanics and Management, College of Engineering, Trivandrum, Kerala, 14th - 16th January, 2010, pp 17-24.

## **TRAINING PROGRAMME ORGANIZED/LECTURES DELIVERED**

- 1) Organized training programme as Co-coordinator training on “Earthquake Risk Management” for field Engineers under National Programme for Capacity Building of Engineers in Earthquake Risk Management of Ministry of Home Affairs Government of India from 14/05/07 to 25/05/07.
- 2) Organized training Programme as Co-coordinator training on “Earthquake Risk Management” for field Engineers under National Programme for Capacity Building of Engineers in Earthquake Risk Management of Ministry of Home Affairs Government of India from 19/05/08 to 30/05/08.
- 3) Organized training programme as Co-coordinator training on “Earthquake Risk Management” for field Engineers under National Programme for Capacity Building of Engineers in Earthquake Risk Management of Ministry of Home Affairs Government of India from 30/06/08 to 11/07/08.
- 4) Delivered expert lectures in the training programmes on “ Infrastructure Development and its Impact on Environment” conducted by Department of Civil Engineering, College of Technology, GBPUAT Pantnagar from 4/2/09 to 9/2/09.
- 5) Organized Training Program as Member of Organizing Team on “Capacity Building of Assistant Engineers & Junior Engineers of Sarva Shiksha Abhiyan,Uttarakhand” during May 29–31, 2012.
- 6) Organized All India Seminar on “Advances in Technology to Mitigate the Effect of natural Hazards ( ATMENH-2017)” during March 02–03, 2017.

## **PARTICIPATION IN REFRESHER COURSE**

- 1) Training on “Advances in Digital Technology” Conducted by Department of Computer Engineering & Deptt. of Electronics & Communication Engg., College of Technology, G. B. Pant University of Agriculture & Technology, Pantnagar, from April 6-26th ,2004.
- 2) Training on “Advances in Hydraulic Flow Measurements” Conducted by Department of Civil Engineering, College of Technology, G. B. Pant University of Agriculture & Technology, Pantnagar (U. S. Nagar) from June 14-19th, 2004.
- 3) Training on “Application of Optimization Techniques in Design & Research” conducted by Department of Civil Engineering, College of Technology, G. B. Pant University of Agriculture & Technology, Pantnagar (U. S. Nagar) from July 8-14th ,2004.
- 4) Short Term Training Programme on “Accreditation of Technical Institutions” conducted by Department of Electrical Engineering, National Institute of Technical Teachers’ Training and Research, Chandigrah, from December 13-17th, 2004.
- 5) Training on “Earthquake Risk Management” conducted by Department of Earthquake Engineering, I.I.T. Roorkee, Roorkee from January 10 to February 11, 2005, under National Programme for Capacity Building of Engineers in Earthquake Risk Management Programme of The Ministry of Home Affairs, Government of India, National Disaster Management Division.
- 6) Training on “Auto CAD 2006” conducted by Department of Civil Engineering, College of Technology, G. B. Pant University of Agriculture & technology, Pantnagar, from March 29- April 02, 2006.

- 7) Training on “Introduction to STAAD” conducted by National Institute of Technical Teachers Training & Research Chandigarh from August 20-24, 2007
- 8) Workshop on “Effective Teaching Pedagogy to maximize Learning” conducted at College of Technology, G.B. Pant University of Agriculture & Technology, Pantnagar in collaboration with University of Illinois at Urbana-Champaign, USA, from January 2nd – 3rd, 2008.
- 9) Training programme on “Understanding Self for Managerial Excellence” conducted by I.I.M. Lucknow from Nov 22-24, 2008.
- 10) Training course on “Renewable Energy- Concept, Harnessing and Application” conducted by Department of Electrical engineering, College of Technology, GBPUA&T Pantnagar from February 4 -9, 2009
- 11) Workshop on “Innovative Methods in Concrete Construction” Indian Society for Construction Materials and Structures and Institution of Engineers (India), Roorkee, from April 24 -25, 2010.
- 12) Training on “Climate Change, Disaster and Sustainable Development” conducted by Rural Department, National Institute of Technical Teachers Training & Research Chandigarh from July 12-16, 2010
- 13) Training on “Upscaling of water productivity in agriculture through integrated watershed management” conducted by Department of Irrigation and Drainage Engineering, College of Technology, G. B. Pant University of Agriculture & technology, Pantnagar, from December 6- 19, 2010.
- 14) Training on “Urban Transport System Planning” conducted by Department of Civil Engineering, I.I.T. Roorkee, Roorkee from June 17 to 21, 2013.
- 15) Training on “Introduction to Modeling and Simulation” conducted by Department of Civil and Met. & Mat. Engineering, I.I.T. Roorkee, Roorkee from December 09 to 13, 2013.
- 16) Training on “Geotechnical Earthquake Engineering” conducted by Department of Earthquake Engineering, I.I.T. Roorkee, Roorkee from June 02 to 06, 2014.
- 17) Training on “Mechanics School at IIT Kanpur” conducted by TEQIP Centre, I.I.T. Kanpur, from Feb 20 to 25, 2015
- 18) Training on “Structural Behaviour and Design in Extreme Thermal Conditions Including Fire Effects” conducted by Department of Civil Engineering, I.I.T. Hyderabad, Hyderabad from July 11 to 22, 2016

## **PARTICIPATION IN SEMINARS, CONFERENCE, WORKSHOPS**

- 1) National Conference on Trends and Challenges in Structural Engineering and Construction Technologies organised by CBRI, Roorkee, Uttarakhand from February 11<sup>th</sup> - 12<sup>th</sup> , 2009.
- 2) Fourth International Conference on Structural Stability and Dynamics at Jaipur, India from January 4<sup>th</sup> - 6<sup>th</sup>, 2012.
- 3) The Fourth International fib Congress on Improving Performance of Concrete Structures at Mumbai, India February 10<sup>th</sup> - 14<sup>th</sup> , 2014
- 4) Workshop on Innovative Construction Machinery, Materials and Methods organised by Department of Civil Engineering, IIT Roorkee, Roorkee, Uttarakhand from October 26<sup>th</sup> - 27<sup>th</sup> , 2015.