

Dr. Vikas Pratap Singh

Assistant Professor
Department of Civil Engineering
Thapar University, Patiala – 147004 (India)
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Career interests Teaching and research in the area of ground improvement, earth retaining structures, geotechnical laboratory & field testing, foundation engineering, earthquake geotechnical engineering, computational geo-mechanics, and reliability based analysis.

Employment	Position	Pay (Rs.)*	University/ Institution	Date of joining	Date of leaving	Experience
	Assistant Professor	PPB: 31160 AGP: 8500	Thapar University, Patiala	June 2011	---	---
	Assistant Professor Selection Grade	PPB: 23230 AGP: 8000	University of Petroleum and Energy Studies, Dehradun	January 2010	June 2011	01y 05m 20d
	* Pay Band 3		PPB: Pay in Pay Band		AGP: Academic Grade Pay	

Courses taught (a) Soil Mechanics (Theory + Lab) (b) Foundation Engineering, (c) Basic Surveying (Theory + Lab), (b) Advanced Surveying (Theory + Lab) and (e) Mechanics of Solids.

Admin experience Served as **Course Coordinator** with following major responsibilities:

- ü To bridge the gap between administration and students
- ü To bridge the gap between students and parents
- ü To act as counselor to students and advisor to parents

Academic qualifications

Doctor of Philosophy

Institution : Indian Institute of Science, Bangalore, India

Research area : Soil Nailing Technique (*Geotechnical Engineering*)

Duration : 2006-2009

Thesis title : Response and reliability analysis of soil nail walls

Master of Technology

Institution : MNNIT, Allahabad, Uttar Pradesh, India

Specialization : Geotechnical Engineering (*Civil Engineering*)

Duration : 2003-2005

CGPA : **9.1** / 10.0

Bachelor of Engineering

Institution : SJMIT, Chitradurga, Karnataka, India
 University : VTU, Belgaum, Karnataka, India
 Specialization : Civil Engineering
 Duration : 1998-2002
 Marks obtained : **77.21%** (*First Class with Distinction*)

Intermediate

Institution : Scholars Home, Dehradun, Uttarakhand, India
 Board : CBSE, New Delhi, India
 Main subjects : English, Physics, Chemistry and Mathematics
 Year of passing : 1998
 Marks obtained : **72.80%**

High School

Institution : Maseeh Dilasa School, Uttarakashi, Uttarakhand, India
 Board : ICSE, New Delhi, India
 Main subjects : English, Hindi, Science and Mathematics
 Year of passing : 1996
 Marks obtained : **71.50%**

Awards and achievements

- *IGS-Dr. B.B. Rai – S.N. Gupta Biennial Award* (2011) for the paper entitled, “Appraisal of Soil Nailing Design” published in the Indian Geotechnical Journal, Vol.39, No.1, January 2009 (pp.81-95).
- Reviewed manuscripts for International Journal of Geotechnical Earthquake Engineering, and Geotechnical & Geological Engineering Journal.
- Offered assistant professor position in reputed institutes such as MNIT Jaipur, Thapar University Patiala, BITS Pilani, UPES Dehradun and JUIT Solan.
- Life membership of *Indian Geotechnical Society* (**LM 2721**).
- *MoRTH salary/MHRD scholarship* for pursuing doctoral program at IISc Bangalore from August 2006 – October 2009.
- *Campus recruitment* in Oriental Structural Engineers Pvt. Ltd., New Delhi as Material Engineer [E-1] through placement office MNNIT, Allahabad (2005).
- *MHRD - GATE scholarship*, M. Tech. (2003 - 2005).
- Qualified *GATE – 2003* examination (**90.41 percentile**, AIR 872).
- Certificate for “*Conduct and Academics*” (Scholars Home, Dehradun).

Research publications

Refereed Journals		Conferences/Workshops/Other		Total
National	International	National	International	
05	10	08	03	26

Conferences / workshops / seminars participation

- ✓ Attended a two-weeks (May 28- June 08, 2012) AICTE sponsored Staff Development Programme on “*Disaster Prevention and Mitigation*” organized by Thapar University, Patiala, India.
- ✓ Participated and volunteered services in one day National Workshop on “*Forensic Geotechnical Engineering (FGE)*” held on 12th September, 2009 at Dept. of Civil Engg., Indian Institute of Science, Bangalore, India.
- ✓ Participated and volunteered services in “*Indian Geotechnical Conference*” held form 17th-19th December, 2008 at Dept. of Civil Engg., Indian Institute of Science, Bangalore, India
- ✓ Participated in 12th IACMAG conference on “*Geomechanics in the Emerging Social and Technological Age*” held from 1st-6th October, 2008 at Goa, India.
- ✓ Participated and volunteered services in “*First Annual Student Symposium*” held form 9th-10th July, 2008 at Dept. of Civil Engg., Indian Institute of Science, Bangalore, India.
- ✓ Participated and volunteered services in “Prof. T. S. Nagaraj Memorial National Seminar: *Geotechnics for Infrastructure*” held form 28th-29th September, 2007 at Dept. of Civil Engg., Indian Institute of Science, Bangalore, India.
- ✓ Attended and volunteered services in “*Microzonation Workshop*” held form 26th -27th June, 2007 at Dept. of Civil Engg., Indian Institute of Science, Bangalore, India.
- ✓ Participated and volunteered services in “*PLAXIS - International Course on Computational Geomechanics*” held form 21st-23rd February, 2007 at Indian Institute of Technology Madras, Chennai, India.
- ✓ Participated and volunteered services in “*National Conference on Geotechnics in Environmental Protection*” held form 9th-10th April, 2005 at Dept. of Civil Engg., MNNIT, Allahabad, India.

Computing skills

Commercial packages : PLAXIS 2D; PLAXIS 3D Tunnel; SLIDE; FLAC
 Others : MS office; Origin; AutoCAD; Webpage design