CURRICULUM VITAE

Name	**VIRENDRA SINGH, Ph.D.** New F-11, Jodhpur Colony, BHU, Varanasi-221005 Mob-09336454320 Email Id: vs462002@yahoo.co.in
Present Address	**Professor,** Department of Civil Engg, IIT,(Banaras Hindu University), Varanasi 221005 Mobile No: 09336454320 ; Email: vs462002@yahoo.co.in
Date of Birth	January 05, 1946

Positions held

July 2011-Feb, 2012	**Dean**, Faculty of Engineering and Technology, Mewar University, Chittorgarh
2009-2011, January	**Dean,** Faculty of Engineering & Technology, BHU, Varanasi.
1979-1980	**Royal Society Bursary awarded by Royal Society London, U.K.** *Only Indian from Civil Engg. field to receive this award.*
1993-1994	**Visiting Scientist,** City University, London, U.K.
May 2006	**Director & Dean,** Institute of Engineering and Technology, Avadh University, Faizabad (UP), on deputation from BHU.
1991-1994	**Chairman & Head**, Dept. of Civil Engg, IT, BHU, Varanasi
1987- 2011, January	**Professor of Civil Engg,** Department of Civil Engg, IT, BHU, Varanasi
1979-1987	**Reader in Civil Engg,** Institute of Technology, Banaras Hindu University Varanasi
1970-1979	**Lecturer in Civil Engg,** IT, BHU, Varanasi
1970	**Assistant Engineer,** Local Self Govt, Engineering Dept. U.P., India

Education

1979-1980	**Post Doctoral Fellow** (Civil Engg,) University of Southampton and City University, **London, U.K.** Funded by Royal Society, London, U.K.
1977	**Ph.D. in Civil Engg,** Banaras Hindu University, *Topic: Stresses in soils due to axially loaded friction and end bearing piles.*
1970	**M.Tech** (Civil Engg,) **IIT, Kanpur, 1st Class**
1967	**B.Tech (Hons., 1st Class)** in Civil Engg, **IIT Kharagpur**
1962	**I.Sc-** First Division U.P. Board
1960	**High School,** Ist division and 19th position in UP Board
1958	**Middle School,** 1st Division and 1st position in Jaunpur district board

Courses Taught

- Soil Mechanics: Undergraduate (B.Tech) and post graduate (M.Tech) for 39 year
- Foundation Engg: Undergraduate (B.Tech) and post graduate (M.Tech) for 39 years
- Civil Engg Subjects: Undergraduate B.Tech) for 39 years

Dissertations Supervised:

M. Tech Thesis (Supervised): **35**

Ph.D. Thesis: One (awarded), One (Under supervision)

M.S. Kushwaha (2007)	Strength and Stiffness Parameters of CL Soil of the Alluvial Deposits

Topics of M. Tech thesis supervised:

Shilpi Mahapatra(2011)	Settlement due to Compressible Pile
S .K. Lal (2009)	Settlement of Axially loaded friction and compressible pile by analytical methods.
Gagan Srivastava (2009)	A study on the geotechnical properties of soil-fly ash and soil-lime-fly ash admixtures.
K.K. Yadav (2009)	Understanding of induced stresses in soil due to point and sub-surface loading at shallow depth.
M, Kumar (2008)	Stresses induced in soil due to axially loaded compressible pile and its effect on settlement
Bandana Sinha (2008)	Load displacement characteristics of model pile on sand bed under compression and tensile loading
Ashok Kumar (2007)	Use of fly ash in dyke and design of dyke.
Lalbabu Singh (2005)	Load settlement behaviour of circular footings resting on unreinforced and reinforced soil bed

Akhilesh Kumar (2004) Study of fly ash and fly ash-soil admixture for sub-base of road

Anuradha Sharma (2004)	Bond's method of analysis for predicting the settlement of shallow and pile foundation
Dina Nath (2003)	Load settlement curve behavior due to axially loaded circular footing resting on sand bed and reinforced sand bed
Harishanker Prasad (2003)	CBR of CL type of alluvial soil of Varanasi and use of sand layer as sub-base material in road construction.
Prakash Kumar (2002)	Effect of surcharge load and compaction on CBR value of alluvial soil of Varanasi
V.P. Singh (2002)	Utilization of fly-ash in construction of dykes and embankments

Rajasekhar Gurram (2001)	Computational package for induced stresses in soils for axially loaded friction and end bearing piles
Srivastava, A.K. (1999)	Vertical stresses induced in soil due to axially loaded compressible piles and its effect on settlement
Mishra, D.K. (1999)	Prediction of load settlement curves and bearing capacity of foundations of silty soil by laboratory plate load test.
Dubey, Anil Kumar (1996)	Shear strength parameters and compositional study for brick manufacturing of alluvial soil
Narendra Kumar (1995)	Use of fly ash in soil stabilization for roads
Rajesh Ranjan (1993)	Understanding of shear strength parameters of silty soil and Chopen and Ganga sands
Jha, A.K. (1991)	Shear strength of alluvial soil
Verma, L (1989)	Load transfer in axially loaded piles in sand
Singh, A.K. (1989)	Study of shear strength parameters of Ganga sand
Singh, R (1989)	Studies of shear strength parameters of Varanasi silt by HVORSLEV'S theory
Singh, U.P. (1987)	Understanding of elastic properties of Varanasi soil and settlement of structures resting on it
Srivastava, R.K. (1986)	Behavioral and economical appraisal of soil stabilizers for rural road
Singh, G.N. (1985)	Vertical stresses in soils due to axially loaded compressible piles and its effect on settlement analysis.
Pentachari, K (1985)	Studies on compositional influence on California Bearing Ratio
Singh, B.N. (1983)	Studies on California Bearing Ratio of silty deposits
Singh, S.K. (1983)	Studies of shear strength parameters of saturated silt
Tewari, S.R. (1981)	Studies of porous media and curvilinear surface flow on the seepage profile
Jaiswal, K.L. (1979)	Determination of point resistance, skin friction of piles in silty deposits
Singh, U.C. (1978)	Prediction of load settlement behavior of foundation on silty deposits
Markandey, S.K. (1977)	Understanding of cohesion and φ of silty deposits by drained shear test
Singh, Y. (1975)	Load settlement characteristics of foundations on silty soils

Papers Published

Singh, Virendra (2012), “Analytical Method for Settlement of Axially Loaded Pile”. Indian Geotechincal Journal, ISSN:2046-8983, Vol. 42 no.2, pp 75-86. (Springer)

Singh, Virendra (2009), “Use of fly ash in road and embankment construction”. ETWMT 2009, Pune.

Singh, Virendra (2005), “Use of fly ash in construction of dyke”, Int. Conf. on solid waste and technology management, USA, 2005.

Singh, Virendra (2005), “Stress path dependent deformation modulii of partially saturated CL type of soil, IGC, Dec, 2005.

Singh, Virendra (2004), “Use of sand layer as sub-base material”, IGC 2004.

Singh, Virendra, et. al. (2002), "Effect of surcharge and compaction on the CBR value of alluvial soil", IGC 2002, Allahabad, DEc. 20-23, Vol. 1, pp. 62-65.

Singh, Virendra et. al. (2001), "Stresses due to loaded piles and settlement", IGC 2001, Dec 14-16, pp. 171-174.

Singh, V & N, Kumar (1997), "Use of fly ash in base and sub-base of roads", Proc. of 13th international conference on solid waste technology and Management, Philadelphia, USA, Nov. 16-19, 3C

Singh, V et. al. (1997), "Use of fly ash for soil stabilization for roads", IGC, 1997, pp. 375-378

Singh V (1996), "Stresses and settlements in soils due to axially loaded piles and pile groups", International Conference on Deep foundations, DF1, 96, pp. 101-105

Singh, V (1994), "Shear strength parameters of silty soils in terms effective stresses", IGC, Warangal, India.

Singh, V (1991), "Immediate settlements of shallow foundations on silty and sandy soils", IGC, Surat, India.

Singh, V. (1989), "Modulus of elasticity of Varanasi silty soil", IGC, Visakapatinam, Dec. 10-14

Singh, V. (1988), "Bearing capacity of structures on silty deposits", IGC Allahabad, Dec. 15-17

Singh, V. (1987), "Vertical stresses in soils due to axially loaded compressible piles and settlement calculations", Indian Geotechnical Journal, 17(3), pp. 223-248.

Singh, V. (1985), "Stresses in soils due to loaded friction piles and settlement calculations", 30th Congress of Indian Society of theoretical and applied mechanics, Dec. 1985, CM 29.

Singh, V (1983), "Stresses profile near the river band", Seminar of meandering of alluvial streams, March 19-21, Varanasi.

Boswell, L and Singh, V. (1981), "Computer methods for predicting piles behavior", Proc of 1st International Conference on Computing in Civil Engg, May 12-14, New York, USA, pp. 825-836.

Singh, V. (1977), "Shear strength parameters of partially saturated compacted silt", Symposium in Civil Engg, BHU, Varanasi.

Singh, V. (1976), "Stresses in soils due to vertical load on piles", ASCE Proc. 2nd International Conference of Numerical methods in Geo-Mechanics, pp. 451-462.

Roy, N. and Singh, V. (1975), "Stresses in soils due to axially loaded friction piles", Indian Geotechnical Journal, Vol. 1, pp. 21-53.

Singh, V. (1975), "Determination of modulus of sub-grade reaction of foundation on silty soils", 20th Conference of Indian Society of theoretical and applied mechanics.

Singh, V. (1972), "Stress coefficients in soil due to vertical load on single pile of varying length-diameter ratio", Proc. of modern trend in Civil Engg, Roorkee, Nov-11-13.

Singh, V. (1972), "Critical analysis of Boussinesq Solutions", Journal of Institution of Engineers.

Academic Achievements

- Recipient of Royal Society Bursary for post Doctoral work in the University of Southampton and City University, London.

- Recognition of paper, "Stresses in soils due to axially loaded friction piles", by CIRIA Report 1983, a British Publication.

Technical Consultations

- Worked as a Consultant for foundation problems for Coal India and Thermal Power Ltd.
- Worked on many small projects for PWD and Irrigation Dept. for determining the Bearing capacity
- Worked as examiner for U.P. University, UPSC Delhi and UPPSC, Allahabad.
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Projects

Completed a project on "Understanding of shear strength of alluvial soil for brick manufacturing", AICTE Project.

Completed an e-project on Geotechnical Engineering sponsored by UGC.

Refresher Courses Attended

Advances in analysis and design of foundation conducted by I.I.Sc, Bangalore.
Recent trends Rock Mechanics, sponsored by ISTE.

Administrative and extra-curricular activities

- Dean, Faculty of Engg. and Tech., Mewar University. Chittorgarh
- Dean, Faculty of Engg. & Tech., IT, BHU, Varanasi.
- Head, Civil Engg, IT, BHU, Varanasi for 3 years.
- Director & Dean, Institute of Tech., Dr. RML University, Faizabad.
- Warden and Administrative warden for Morvi hostel for 6 years.
- In-charge of Soil Mechanics Lab, Dept of Civil Engg, IT, BHU for 6 years
- Chairman, Athletics, BHU for 3 years
- Member, Deputation Committee, BHU for 3 years
- Returning Officer for BHU for 1 year

(Prof. Virendra Singh)

Civil Engineering,
I. T. B.H.U.Varanasi