

**Brief Profile
of
Prof. Virendra Pratap Singh**



1. Name : Prof. Virendra Pratap Singh
2. Designation : NCERT Professor
3. Pay Matrix Level : Level – 14
4. Address for Correspondence : Dr. V.P. Singh, NCERT Professor,
Department of Elementary Education,
Room No. 302, GB Pant Block, NCERT,
Sri Aurobindo Marg, New Delhi – 110016.
5. Contact Details :
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vps_ncert@nic.in
6. Qualifications :
(a) Academic : Ph.D.
(b) Proficiency : Working Experience in the areas of Research
Methodology, Educational Surveys, Programme
Evaluation, Elementary Education, Rural
Development, State Planning and Finance.

7. Appointments Held Prior to Joining NCERT:

<i>Designation</i>	<i>Name of Employer</i>	<i>Date of Joining</i>		<i>University/ Institution</i>
		<i>Joining</i>	<i>Leaving</i>	
Statistical Assistant	MRC, ICMR-GOI, Delhi	26.02.90	04.03.91	Malaria Research Center
Senior Research Fellow	Gujarat Agricultural University, Anand	01.03.93	09.07.95	BA College of Agriculture
Post Doctoral Research Associate	Gujarat Agricultural University, Anand	10.07.95	09.07.96	BA College of Agriculture
Post Doctoral Research Associate	Institute of Rural Management Anand (IRMA)	10.07.96	04.05.97	Institute of Rural Management Anand (IRMA)
Post Doctoral Research Associate	Institute of Rural Management Anand (IRMA)	05.05.97	24.02.98	Institute of Rural Management Anand (IRMA)
Research Officer (Technical)	Hon. Governor to Uttar Pradesh State Government	26.02.98	17.04.01	State Planning Institute Uttar Pradesh

8. Posts held after Appointment at NCERT:

Designation	Department	Date of Actual Posting		Grade Pay / Pay Matrix
		From	To	
Reader/ Associate Professor/ Professor	DES&DP, NIE, New Delhi	18.04.01	Details may be referred from the Service Book	As per UGC Norms Pre-revised Pay Band Rs. 37,400-67,000/- & Grade Pay Rs. 10,000/- Pay Matrix Level - 14 Basic Pay w.e.f. 01.07.2017 Rs. 1,82,700/-
	DEME, NIE, New Delhi	Details of service particulars may be referred from the NCERT Service Book		
	DE, RIE, Bhubaneswar			
	DEME, NIE, New Delhi PMD, NIE, New Delhi			
	DEE, NIE, New Delhi		Till Date	

9. Research Papers Published

- i. Singh, H.P., Singh, H.P. & Singh, V.P. (1992). A generalized efficient class of estimators of population mean in two phase and successive sampling. *International Journal of Management and System (ISSN 0970-7328)*, **8(2)**: 173-183.
- ii. Singh, H.P. & Singh, V.P. (1993). A general class of unbiased estimators of a parameter. *Calcutta Statistical Association Bulletin (REGD No. 30006/76)*, **43(169-170)**: 127-131.
- iii. Lakhera, M.L. & Singh, V.P. (1995). Growth analysis of linseed crop in Chhattisgarh region. *Current Agricultural Research (ISSN 0971-6947)*, **8(2)**: 44-48.
- iv. Lakhera, M.L., Singh, V.P., Sundar, R.M. & Patel, N.M. (1995). Optimum size and shape of plot for field experiments on gram. *GAU Research Journal (REGD No. 27552/75)*, **21(1)**: 142-148.
- v. Singh, H.P. & Singh, V.P. (1995). A class of unbiased dual to ratio estimators in stratified sampling. *Journal of Indian Society of Agricultural Statistics (ISSN 0019-6363)*, **47(2)**: 168-175.
- vi. Singh, V.P., Lakhera, M.L. & Patel, N.M. (1997). Frequency distribution of biological measurements and harvest index of chickpea. *GAU Research Journal (REGD No. 27552/75)*, **23(1)**: 67-72.
- vii. Singh, V.P. & Singh, O.P. (1997). Spacio-temporal variation in production of groundnut, rapeseed-mustard, sesamum and linseed crops: A decomposition approach. *Agricultural Situation in India (ISSN 0002-167)*, **54(5)**: 241-246.
- viii. Singh, K. & Singh, V.P. (1998). Dairy development in India: Retrospect and Prospect. *Research Paper No. 15, Institute of Rural Management Anand (IRMA), Anand*: 1-43.
- ix. Singh, V.P. (1998). Shape and size of plots and blocks on effective precision of field experiments with maize (A multivariate approach). *Current Agricultural Research (ISSN 0971-6947)*, **11(1)**: Accepted for publication.

- x. Singh, V.P., Lakhera, M.L., Upadhyaya, U.J. & Patel, N.M. (1998). Optimum plot size in multivariate approach and relative precision of experimental designs in chickpea. *Journal of Maharashtra Agricultural Universities (ISSN 0378-2395)*, **23(2)**: 111-114.
- xi. Singh, V.P. & Patel, N.M. (1998). Variability analysis in field experiments on maize: A case study of Godhra Farm. *GAU Research Journal (REGD No. 27552/75)*, **23(2)**: 81-86.
- xii. Singh, V.P. & Singh, H.P. (1998). Some chain estimators for population ratio in double sampling. *The Aligarh Journal of Statistics (ISSN 0971-0388)*, **(17-18)**: 85-100.
- xiii. Singh, V.P. & Singh, O.P. (1999). Changes in pattern of land utilization and operational land holdings – A case study of Madhya Pradesh, India. *Agricultural Situation in India (ISSN 0002-167)*, **55(12)**: 743-748.
- xiv. Singh, V.P. & Singh, O.P. (1999). Land utilization pattern and distribution of operational land holdings in India: An analytical view. *Agricultural Situation in India (ISSN 0002-167)*, **56(4)**: 191-197.
- xv. Singh, V.P. (2000). Changing profile of dairy development in Madhya Pradesh: A Longitudinal Study. *Agricultural Situation in India (ISSN 0002-167)*, **56(10)**: 603-614.
- xvi. Singh, V.P. (2000). Milk production during operation flood programme in India. *Agricultural Situation in India (ISSN 0002-167)*, **56(11)**: 669-675.
- xvii. Singh, V.P. (2002). Some conceptual issues on measures of educational development in India. *National Journal of Education (ISSN 0972-9569)*, **7(2)**: 79-87.
- xviii. Singh, V.P. (2002). Recent trends in operational holdings and their concentration in major social groups in India. *Agricultural Situation in India (ISSN 0002-167)*, **58(10)**: 473-478.
- xix. Singh, V.P. (2003). The class of unbiased dual to ratio estimators. *Journal of Indian Society of Agricultural Statistics (ISSN 0019-6363)*, **56(3)**: 211-221.
- xx. Singh, V.P. (2004). General school education in India and development thereof. *Journal of Indian Education (ISSN 0972-5628)*, **30(1)**: 59-75.
- xxi. Singh, V.P. & Kumar, M. (2006). Changing profile of rural elementary education in Western States/UTs of India. *National Journal of Education (ISSN 0972-9569)*, **10(1)**: 17-37.
- xxii. Singh, V.P. (2006). Rural elementary school education in North East States of India: A report card. *Journal of Indian Education (ISSN 0972-5628)*, **31(4)**: 87-103.
- xxiii. Sharma, S.K. & Singh, V.P. (2007). Seventh all India school education survey: A statistical profile on selected parameters of school education. *Journal of Indian Education (ISSN 0972-5628)*, **32(4)**: 81-92.
- xxiv. Singh, V.P. & Sharma, S.K. (2007). Facilities in elementary level schools in rural India: An Overview. *Journal of Indian Education (ISSN 0972-5628)*, **34(1)**: 91-106.
- xxv. Singh, V.P. & Pajankar, V.D. (2009). Class of unbiased modified ratio and product estimators for finite population mean using coefficient of variation of auxiliary variable in sample surveys. *International Journal of Agricultural and Statistical Sciences (ISSN 0973-1903)*, **5(2)**: 387-396.
- xxvi. Singh, V.P. & Sharma, S.K. (2009). Basic facilities in secondary level schools in rural India. *Journal of Indian Education (ISSN 0972-5628)*, **36(3)**: 72-89.
- xxvii. Sharma, S.K., Singh, V.P., Chakraborty, D. & Tomar, R.K. (2010). Scientific appraisal of inter-regional variation in agricultural development in Uttar Pradesh. *Agricultural Extension Review (ISSN 0971-5827)*, **22(1)**: 12-19.
- xxviii. Singh, V.P. & Pajankar, V.D. (2010). Some regression-type chain estimators for population product based on two auxiliary variables in double sampling. *International Journal of Agricultural and Statistical Sciences (ISSN 0973-1903)*, **6(2)**: 505-516.

- xxix. शर्मा, संदीप कुमार & सिंह, वी. पी. (2011). भारतीय विद्यालयों में त्रि-भाषा सूत्र एवं प्रचलित भाषाएँ: एक सांख्यिकीय शैक्षिक सर्वेक्षण एवं विश्लेषण. *प्राथमिक शिक्षक (ISSN 970-9312)*, **35(4)**: 97-110.
- xxx. Singh, V.P. (2012). Some statistical aspects on major operational incentive schemes in Indian schools. *Journal of Indian Education (ISSN 0972-5628)*, **38(1)**: Pp. 38-58.
- xxxii. Singh, V.P. (2013). The right of children to free and compulsory education act 2009: An exploratory study. *Journal of Indian Research (ISSN 2320-7000)*, **1(1)**: 118-135.
- xxxiii. Singh, V.P. & Kaur, R. (2013). Rural elementary school education in India: A gender based statistical profile. *Journal of Indian Research (ISSN 2320-7000)*, **1(2)**: 114-118.
- xxxiiii. Singh, V.P. (2013). Secondary stage education in India: An analytical overview. *Journal of Indian Education (ISSN 0972-5628)*, **38(4)**: 117-140.
- xxxv. Singh, V.P. (2013). Conditions of School Buildings in India: An Empirical Study. *Journal of Indian Education (ISSN 0972-5628)*, **39(2)**: 76-98.
- xxxvi. कुमार, रमेश & सिंह, वी.पी. (2013). जवाहर नवोदय विद्यालय गाजियाबाद के सन्दर्भ में एक समीक्षात्मक अध्ययन. *प्राथमिक शिक्षक (ISSN 970-9312)*, **37(3)**: 64-68.
- xxxvii. Singh, V.P. (2014). A general class of unbiased estimators of population parameter in an infinite population using super population model. *Journal of Indian Research (ISSN 2320-7000)*, **2(4)**: Accepted for publication.
- xxxviii. Singh, V.P. and Singh, B. (2015). Age-specific school enrolment in elementary level schools, and frequency distribution thereof in India: An Analytical Overview. *EDUVISION: Mewar Journal of Education (ISSN 2320-933X)*, **2(2)**: 10-19.
- xxxix. Singh, V.P. (2015). Size and shape of plots and blocks on effective precision of field experiments with maize (A multi-variate approach). *International Journal of Agricultural and Statistical Sciences (ISSN 0973-1903)*, **11(2)**: Accepted for publication.

10. Research Reports/Guidelines/Manuals Published

- xxxix. *Seventh All India School Education Survey: Guidelines for Survey Officers*: Published by the Secretary to NCERT in year 2002 - Involved as a Team Member in developing the guidelines for survey in English and Hindi.
- xl. *Seventh All Indian School Education Survey: Guidelines for Post-enumeration Survey*: Published by the Secretary to NCERT in year 2003 - Involved as a Team Member in developing the guidelines for post-enumeration survey.
- xli. *Seventh All India School Education Survey - Provisional Statistics (ISBN 81-7450-460-5)*: Published by the Secretary to NCERT in year 2005 - Involved as a Team Member in developing the research report.
- xlii. *Manual on Statistics and Indicators of School Education*. Published by the Secretary to NCERT on NCERT website in year 2006 - Involved jointly with Dr. BMK Raju as a Team Member.
- xliii. *Seventh All India School Education Survey - Schooling Facilities in Rural Area (ISBN 81-7450-641-1)*: Published by the Secretary to NCERT in year 2007 - Involved as a Team Member in developing the research report.
- xliv. *Seventh All India School Education Survey - Media of Instructions and Languages Taught (ISBN 81-7450-703-5)*: Published by the Secretary to NCERT in year 2007 - Involved as a Team Member in developing the research report.

- xliv. *Seventh All India School Education Survey - Incentive Schemes (ISBN 81-7450-800-3)*: Published by the Secretary to NCERT in year 2007 - Involved as a Team Member in developing the research report.
- xlvi. *Seventh All India School Education Survey - Enrolment in Schools (ISBN 81-7450-690-X)*: Published by the Secretary to NCERT in year 2007 - Involved as a Team Member in developing the research report.
- xlvii. *Seventh All India School Education Survey - Teachers and their Qualifications (ISBN 81-7450-773-6)*: Published by the Secretary to NCERT in year 2007 - Involved as a Team Member in developing the research report.
- xlviii. *Seventh All India School Education Survey - Specific Facilities in Secondary and Higher Secondary Schools (ISBN 81-7450-803-4)*: Published by the Secretary to NCERT in year 2007 – Involved as a Team Member in developing the research report.
- xliv. *Seventh All India School Education Survey - Pre-primary Classes and Alternative System of Schooling (ISBN 81-7450-802-7)*: Published by the Secretary to NCERT in year 2007 - Involved as a Team Member in developing the research report.
 - 1. *Seventh All India School Education Survey - Schools, Physical and Ancillary Facilities (ISBN 81-7450-914-7)*: Published by the Secretary to NCERT in year 2008 - Involved as a Team Member in developing the research report.
 - li. *Seventh All India School Education Survey - Schools for Physically Challenged Children (ISBN 978-81-7450-915-4)*: Published by the Secretary to NCERT in year 2008 - Involved as a Team Member in developing the research report.
 - lii. Multilingual Education Programme in Orissa, published by the DEE: SSA-TC Fund, NCERT in Year 2011.
 - liii. Learning Indicators and Learning Outcomes at the Elementary Stage (ISBN 978-93-5007-303-2), published by the Secretary, NCERT in Year 2015.

11. Research Reports on Elementary Education (SSA/ RTE Act, 2009)

- liv. Right to Children to Free and Compulsory Education Act, 2009: Guidelines for Special Training of Out-of-School Children, submitted to NCERT in Year 2012.
- lv. Teacher's Training Programme in English in Karnataka, supported by the DEE - SSA-TC Fund, NCERT in Year 2012.
- lvi. Right to Children to Free and Compulsory Education Act, 2009: Status Report on Implementation in States/UTs, submitted to NCERT in Year 2012.
- lvii. Report on RTE Act, 2009: Awareness, Initiatives and Challenges in Implementation in Orissa State, submitted to NCERT in Year 2013.
- lviii. Report on Status of Implementation of RTE Act, 2009 in Context of Disadvantaged Children, submitted to NCERT in Year 2013.
- lix. Implementation of Quality Monitoring Tools: Quality Management in Elementary Education under SSA, submitted to NCERT/ MHRD in Year 2013.
- lx. Report on RTE Act, 2009: Awareness, Initiatives and Challenges in Implementation in Gujarat State, submitted to NCERT in Year 2014.

12. Chapters Published in Books

- lxi. Contributed a chapter titled “Some Facilities and Non-Availability Thereof in Elementary Level Schools in Rural India” in a book titled, “*Perspectives in Education: A Golden Jubilee Volume of JSS Mahavidya Peeth*”. Published by the JSS Mahavidya Peeth Golden Jubilee Committee, Mysore in year 2009: Pp. 175-198.
- lxii. Contributed a book chapter titled “Age-specific School Enrolment in Elementary Level Education, and Frequency Distribution Thereof in India: An Analytical Overview” in a book on the “Indian School Education System – A Holistic View, published by Kunal Books, New Delhi. (ISBN No. 978-93-80752-59-4)” in Year 2012.
- lxiii. Contributed a book chapter titled, “The right of children to free and compulsory education act 2009: An exploratory study” is published in the proceedings of National Seminar on Issues and Challenges in Implementation of RTE Act, 2009, published by SIMAT, Allahabad (ISBN No. IS0972-320X ABHINAVA) in Year 2013.

13. Research Projects Completed (At NCERT)

- lxiv. Seventh All India School Education Survey of GOI-MHRD, New Delhi.
- lxv. Development of Manual on Indicators of School Education of GOI-MS&PI, New Delhi through GOI-MHRD.
- lxvi. Programme Evaluation on MLE Programme in Orissa.
- lxvii. Programme Evaluation on TTE Programme in Karnataka.
- lxviii. Implementation of QMT under SSA.
- lxix. Implementation of RTE Act, 2009.
- lxx. Learning Indicators for Elementary Stages.

14. Papers Presented in Conferences/Seminars etc.

- lxxi. Presented a paper titled “the class of unbiased dual to ratio estimators” at the 47th annual conference of the Indian Society of Agricultural Statistics, New Delhi, held at Tirupati, (A.P.) in year 1993.
- lxxii. Presented a paper titled “new modified product estimators using coefficient of variation of auxiliary variable” at the 49th annual conference of the Indian Society of Agricultural Statistics, New Delhi, held at Lucknow, (U.P.) in year 1996.
- lxxiii. Presented a paper titled “a general class of unbiased estimators of population parameter in an infinite population, using a super population model” at the 22nd annual conference of the Gujarat Statistical Association, Ahmedabad, held at Anand, (G.S.) in year 1996.
- lxxiv. Participated in an International Workshop on Impact of Operation Flood, jointly organized by the OED-World Bank and IRMA, held at Anand, India in year 1997.
- lxxv. Participated as a resource person in the “Data Users’ Conference on Seventh All India School Education Survey”, organized by the National Council of Educational Research and Training, New Delhi held at New Delhi in year 2002.
- lxxvi. Presented a paper titled “estimation of finite population mean using correlation coefficient when variables are negatively correlated” at the International Conference on Statistics and Information in Agricultural Research organized by the Indian Society of Agricultural Statistics, New Delhi, held at New Delhi, India in year 2006.

- lxxvii. Presented a paper titled “some regression-type chain estimators for population product based on two auxiliary variables in double sampling scheme” at the 61st annual conference of the Indian Society of Agricultural Statistics, New Delhi held at Ranchi, Jharkhand in year 2007.
- lxxviii. Presented a paper titled “class of unbiased modified ratio and product estimators for finite population mean using coefficient of variation of auxiliary variable in sample surveys” at the 62nd annual conference of the Indian Society of Agricultural Statistics, New Delhi held at Tirupati, (A.P.) in year 2008.
- lxxix. Presented a paper titled “some statistical aspects on major operational incentive schemes in Indian schools” during the 63rd annual conference of the Indian Society of Agricultural Statistics, New Delhi, held at Pusa, Samastipur, Bihar in year 2009.
- lxxx. Presented a paper titled “secondary stage education in India: an analytical overview” during the International Seminar-cum Annual Conference of the All India Association for Educational Research on Quality Concerns in Education, held at Lucknow, U.P. in year 2009.
- lxxxii. Presented a paper titled “Some basic infrastructural facilities and non-availability thereof in secondary level schools in rural India” during the Golden Jubilee National Seminar on Universalisation of Secondary Education, Issues, Challenges and Policy Perspectives in Rural Context, held at the NCERT, New Delhi in Year 2011.
- lxxxiii. Presented a paper titled “Age-specific school enrolment in elementary level education in India: an overview in context to RTE Act, 2009” during Silver Jubilee Conference AIAER on Challenges for Education in Knowledge Society, held at Mohali, Punjab in Year 2012.
- lxxxiv. Presented a paper titled “RTE Act, 2009: An exploratory study” during the National Seminar on Issues and Challenges in Implementation of RTE Act, 2009; held at the SIEMAT, Allahabad in Year 2013.
- lxxxv. Presented a paper titled “A general class of unbiased jack-knifed estimators of a parameter and application thereof in ratio method of estimation for a population with gamma distribution” before the Academic Presentation Committee of NCERT, held at NCERT, New Delhi in Year 2013.
- lxxxvi. Presented a paper titled “A general class of unbiased jack-knifed estimators of a parameter and application thereof in ratio method of estimation for a population with gamma distribution” during the annual conference of the Indian Society of Agricultural Statistics, New Delhi, held at BHU, Varanasi in Year 2013.
- lxxxvii. Presented a paper titled “Size and shape of plots and blocks on effective precision of field experiments with maize (A-multivariate approach)” before the Academic Presentation Committee of NCERT, held at NCERT, New Delhi in Year 2014.

15. Examinations Duties including Invigilation, Question Paper Setting, Evaluation of Thesis & Manpower etc. (Year 2011-12 & onwards)

- Acted as paper setter for Dau Dayal Mahila PG College, Firozabad for Master of Education Programme, in Year 2012.
- Acted as member of Selection Committee for evaluating suitable candidates for the post of JPFs, organized by the DEE, NCERT in Year 2012.
- Acted as Examiner for Pre-Ph.D. Examination of the HIHT University, Dehradun in Year 2013.
- Acted as Examiner for Ph.D. Thesis Evaluation for BHU, Varanasi in Year 2013.

- Acted as member of Selection Committee for evaluating suitable candidates for the post of JPFs, organized by the DEE, NCERT in Year 2013.
- Acted as member of RDC for evaluating more than twenty Ph.D. synopses for research work, organized by the Mewar University in Year 2013.
- Acted as paper setter for GGSIP University, New Delhi for the Master of Education Programme, in Year 2014.
- Acted as Examiner for Ph.D. Thesis Evaluation for Perriyar University, Salem in Year 2014.
- Acted as paper setter for GGSIP University, New Delhi for the Master of Education Programme, in Year 2015.
- Acted as Examiner for Pre-Ph.D. Examination of ICT component of Ph.D. course work of the Mewar University, in Year 2015.
- Acted as member of Selection Committee for evaluating suitable candidates for the post of JPFs, organized by the DEE, NCERT in Year 2015.

16. Other Relevant Information

- Certificate of Honour for Master's Degree Programme.
- CSIR, New Delhi awarded Senior Research Fellowship.
- DST-IITM awarded Post Doctoral Research Associate-ship.
- IRMA awarded Post Doctoral Research Associate-ship.
- Public Service Commission, UP recommended for public service under UP Government – Ministry of Planning.
- Life Member of the Indian Statistical Association, Pune.
- Life Member of the Gujarat Statistical Association, Ahmedabad.
- Life Member of the Indian Society of Agricultural Statistics, New Delhi.
- Life Member of the Association of Maharashtra Agricultural Universities, Pune.