

Bio-Data

Name – Jai Pratap Singh

Professor

Department of Mathematics

B.S.N.V.P.G. College, Lucknow University Lucknow.

Father's Name – Raj Kishor Singh

Date of Birth – 02-01-1970

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Nationality : Indian

Languages : English, Hindi, Sanskrit, Urdu, French.

Ph. D. Thesis Title : *A Study of Certain Structures and Integrability Conditions in a Differentiable Manifo Id.*

Educational Qualification :

1. Ph. D., 1997 (Pure Mathematics, Lucknow University)
2. Proficiency in French 1992 (Lucknow University)
3. M.Sc. ,1989 (Mathematics, Lucknow University)
4. B.Sc., 1987 (Physics , Statistics , Mathematics , Lucknow University)
5. Intermediate, 1985 (Physics , Chemistry , Mathematics , Hindi , English)
6. High School , 1983 (Science , Mathematics , Hindi , English , Sanskrit)

Teaching Experience : 29 Years

1. Taught undergraduate classes from July 1, 1991 to December 13, 91 at Lucknow Christian Degree College as a Lecturer (Leave Vacancy).
2. Taught undergraduate classes during sessions 93-94, 94-95, 95-96, 96-97 at Lucknow University as JRF (Junior Research Fellow) and SRF (Senior Research Fellow).
3. Taught B.Tech. Classes at UNSIET, Poorvanchal University , Jaunpur From 17-11-97 to 13-10-1999 as a Lecturer.
4. Presently teaching undergraduate and post graduate classes at B.S.N.V.P.G. College , Lucknow as Professor.

Research Experience:

1. JRF (Junior Research Fellow) From 05-05-92 to 04-05-94 in Department of Mathematics, Lucknow University.
2. SRF (Senior Research Fellow) From 05-05-94 to 04-05-97 in Department of Mathematics, Lucknow University.

Published Research Papers / Articles: Total Published +Accepted = 15+1=16

1. On submanifolds of Riemannian Manifold with semi-symmetric non metric connection (1991) J.T.S.I., Vol. 10, pp. 31-38.
2. Invariant submanifolds of a Manifold admitting $F_\lambda(2v+3, -1)$ – structure manifold (1996)
Demonstratio Mathematica Vol. XXIX (3), 479-484.
3. An article on “**Role of Mathematics in Advancement of Science & Technology : A Brief Note**” published in Souvenir of National Conference organized by Department of Mathematics B.S.N.V.P.G. College , Lucknow on Oct. 18-20, 2013.
4. Production to Control Quality: Important Tools of Operational Research, (2017) .International Journal of Pure and Applied Management Sciences. Vol. 1(1), pp. 44-60. ISSN: 2456-4516.
5. PPAP Operational Research Approach Towards Quality Management, (2017) , International Journal of Pure and Applied Management Sciences. Vol.4 (1), pp. 48-56. ISSN: 2456-4516.
6. ON $F_\alpha(K, (K - 2))$ -STRUCTURE MANIFOLD, (2018) International Journal of Pure and Applied Researches (IJOPAAR), pp. (104-109). ISSN: 2455-474X. **UGC Serial No. 45204** .
7. Generalized **difference** of biquadratic sequence space Γ_4 , (2018), International Journal of Creative Research Thoughts (IJCRT) . ISSN - 2320-2882 , **UGC Serial No. 49023**.
8. Semi Invariant Submanifold of a manifold with framed Algebraic ϵ -Structure, (2019) Journal of Emerging Technologies and Innovative Research (JETIR),(pp. 656-659). ISSN-2349-5162, **UGC Serial Number – 63975**.
9. Sasakian Manifold with generalized almost contact metric Structure, (2019) Journal of Emerging Technologies and Innovative Research (JETIR),(pp. 456-461). ISSN-2349-5162, **UGC Serial Number – 63975**.
10. K\"othe- Toeplitz Duals of Generalized Difference Sequence Spaces, (2019) Journal of Emerging Technologies and Innovative Research (JETIR),(pp. 854-860). ISSN-2349-5162, **UGC Serial Number – 63975**.
11. SUBMANIFOLDS IMMERSED IN A GENERALISED QUATERNION MANIFOLD.(2020) Journal of Emerging Technologies and Innovative Research (JETIR),(pp. 1920-1925). ISSN-2349-5162, **UGC Serial Number – 63975**.
12. On integrability conditions of a framed algebraic (ϵ, r) – structure manifold, (2021) International Journal of Science and Research (IJSR), (pp. 1693-1695). ISSN : 2319-7064.
13. The N\"orlund space and N\"orlund Orlicz space of Biquadratic entire sequences, (2021) ,Journal of Emerging Technologies and Innovative Research (JETIR), (pp. e250-256). ISSN-2349-5162, **UGC Serial Number – 63975**.

14. Study of some properties on almost para contact metric manifolds with certain connection, (2021) ,Journal of Applied Science and Education (JASE), (pp. 1-5). ISSN : 2583-1372(E).
15. On certain submaifolds of an H-structure manifold, (2021) International Journal of Pure and Applied Researches (IJOPAAR), pp. (1-5). ISSN: 2455-474X. **UGC Serial No. 45204 .**
16. "**Comparison of Present Cosmological Principles with Cosmology of Hindu Dharm Granth**" Accepted for publication in vol. 10, 2022 of Anusandhan Vigyan Shodh Patrika.
17. On Complete, Horizontal and Vertical Lifts From a Manifold With $f \lambda$ (6, 4) Structure to Its Cotangent Bundle, Vol. 20 (2022), International Journal of Analysis and Applications. ISSN: 2291-8639.

Published Books: No. of Books – 19

1. Objective Differential Calculus for B.Sc. and Competitive Exams. 2021 with Dr. Rama Jain.
Krishna Prakashan Media (P) Ltd.
2. Objective Linear Programming for B.Sc. and Competitive Exams. 2021 with Dr. Rama Jain.
Krishna Prakashan Media (P) Ltd.
3. Objective Integral Calculus for B.Sc. and Competitive Exams. 2021 with Dr. Rama Jain.
Krishna Prakashan Media (P) Ltd.
4. Objective Algebra for B.Sc. and Competitive Exams. 2021 with Dr. Rama Jain.
Krishna Prakashan Media (P) Ltd.
5. Objective Numerical Analysis & Programming in C for B.Sc. and Competitive Exams. 2021 with Dr. Rama Jain.
Krishna Prakashan Media (P) Ltd
6. Objective Linear Algebra for B.Sc. and Competitive Exams. 2021 with Dr. Rama Jain.
Krishna Prakashan Media (P) Ltd.
7. Advanced Calculus, (2016), Krishna Prakashan Media (P) Ltd. ISBN : 81-8283-361-2
8. Analysis (2014), Krishna Prakashan Media (P) Ltd. ISBN : 81-8283-591-7
9. Differential Geometry & Tensor Analysis (2014) with Dr. Preeti Pandey and others.,
Krishna Prakashan Media (P) Ltd. Book Code No. : 850-01, ISBN : 978-81-8283-312-4.
10. Geometry & Trigonometry (2013) with A.R.Vasishtha and othrs. Krishna Prakashan Media (P) Ltd. ISBN : 978-81-8283-180-3.
11. Mathematical Methods (2013) with A.R.Vasishtha and othrs. Krishna Prakashan Media (P) Ltd. ISBN : 978-81-8283-362-3.
12. Differential Equations (2013) with A.R.Vasishtha and othrs. Krishna Prakashan Media (P) Ltd. ISBN : 978-81-8283-363-0.
13. Calculus (2012) with A.R.Vasishtha and othrs. Krishna Prakashan Media (P) Ltd. ,
Book Code No. : 734-21, ISBN : 978-81-8283-214-5.

14. Matrices, Vectors & Differential Equations (2012) with A.R.Vasishtha and othrs. Krishna Prakashan Media (P) Ltd. ISBN : 978-81-8283-254-1.
15. Numerical Analysis (2005) with Dr. Mohd. Mian , Prakashan Kendra, Lucknow
16. Abstract Algebra (2005) with Dr. Deepak Kumar Srivastava, Alok Prakashan , Lucknow , ISBN : 978-81-89599-95-9.
17. Differential Calculus & Vector Analysis (2004), Unitech House, Aminabad, Lucknow.
18. Mathematical Methods (2004) with Dr. M.K.Shukla and others., Unitech House, Aminabad, Lucknow.
19. Differential Equations (2004) with Dr. U.B.Singh and others Alok Prakashan , Lucknow.

Award/ Fellowship/Merit /Competitive Exams :

1. First Rank in general Category in the list of selected candidates for Lectureship, Mathematics by Utter Pradesh Higher Education Service Commission.
2. Junior Research Fellow (JRF) From 05-05-92 to 04-05-94 in Department of Mathematics, Lucknow University.
3. Senior Research Fellow (SRF) From 05-05-94 to 04-05-97 in Department of Mathematics, Lucknow University.

Paper Presented in National/International Conferences/Delivered invited lecture :

1. Presented a paper in International Conference on Advances in Biomathematics (ICABM-2022) held at Amity University Lucknow Campus organized by Amity School of Applied Sciences (ASAS), 21-23 July, 2022.
2. Delivered a live talk on “ Bachche Hain Anmol : Part 8” organized by Vidhya Bharti Purvi Utter Pradesh on 01-07-2021. An awereness talk show for awareness of third wave of covid 19.
3. Delivered a invited lecture in a National webinar on “Dire need of Present times : National Educational Policy 2020” organised by Babu Banarasi Das University, Lucknow on 08-09-2020.
4. Delivered a invited lecture in a National webinar on National Educational Policy 2020: Issues and Challenges in Implementation organised by Acharya Narendra Dev Nagar Nigam Mahila Mahavidhyalaya Harsh Nagar, Kanpur on 13-11-2020.
5. Delivered a invited lecture in a National E- seminar on “Shiksha Aur Samaj Ke Sandharbh Main Matrubhasha Avm Bahubhasha Ki Awadharana Ka Mahatva “organised by Aryakul Group of Colleges, Lucknow on 21-02-2021.
6. Delivered a invited lecture in a Seminar on “National Educational Policy 2020” organised by ABVP & Vidhya Bharti Purvi Utter Pradesh at Dr Shakuntala Misra National Rehabilitation University, Lucknow on 30-09-2020.
7. Delivered a invited lecture in a National Seminar on : Rashtriya Shiksha Niti 2020 : Awasar Aur Chunautiyan”organised by BSNVPG College, Lucknow on 16-03-2021.
8. Paper “Opportunities for digital education in higher education” presented in National seminar Digital learning opportunities and challenges in Higher education Insitutes NSDLOCHEI – 18 on May 05, 2018 organised by Deptt. Of Physics BSNVPG College and Digital Learning club.

9. Paper presented in Annual National Conference Of Bharat Ganita Parishad held at Lucknow on 17-11-91.
10. Paper presented in National Conference on **“Recent Trends in Mathematics and Applications”** organized by H.B.T.I., Kanpur on September 7, 1991.
11. Paper presented in Annual National Conference Of Bharat Ganita Parishad held at Lucknow on 15-11-92
12. Paper presented in Annual National Conference Of Bharat Ganita Parishad held at Lucknow on 20-12-93
13. Paper presented in Annual National Conference Of Bharat Ganita Parishad held at Lucknow on December 10/11, 1994.
14. Paper entitled **“FDI in Retail : A point of View”** presented in Professional Development Course **“Motivational needs & Productivity”** organized by Academic Staff College , Lucknow University March 23 to 29, 2012.

Membership of Academic/Professional Bodies:

1. Life Member of **“Bharat Ganita Parishad”**
2. Life Member of **“The Tensor Society”**
3. Life Member of **“National Academy of Mathematics”** D.D.U., Gorakhpur(U.P.).
4. Life member of BSNV Vigyan Parishad.
5. Member of management committee Saraswati Shishu Mandir , A – Block , Indira Nagar, Lucknow.
6. Member of management committee Saraswati Vidhya Mandir , A – Block , Indira Nagar, Lucknow.
7. Member of management committee R.R.N. Inter College Bhagwantnagar Unnao.
8. Member of management committee B.S.N.V.P.G. College , Lucknow for the session 2006-07. 2017-18.
9. Member Baiswara Educational Trust.
10. President, Vidyarthi Kalyan Nyas (VKN) Trust.

Orientation/Refresher Programme/ Workshops:

1. Completed UGC Sponsored **Orientation Programme** at Academic Staff College, University of Lucknow, Lucknow(U.P.), India, November 1-28, 2003.
2. Completed UGC Sponsored **Refresher Programme in ICT (MD)** at Academic Staff College, University of Gorakhpur, Gorakhpur (U.P.), India, August 7-27, 2009.
3. Completed UGC Sponsored **Refresher Programme in Invironmental Studies (I.D.)** at Academic Staff College, University of Lucknow, Lucknow(U.P.), India, November 9-30, 2009.
4. Completed a short term course on **“Motivational Needs & Productivity”** organized by Academic Staff College, University of Lucknow, Lucknow, March 23 to 29, 2012.
5. Participated in the one day National Workhop on **“ Quality Enhancement under career advancement Scheme (CAS)** on July 7 , 2015 organised by BSNV PG College Lucknow.

Participated in National /International Conferences:

1. The National Conference on Mathematics conducted by Bharat Ganita Parishad(BGP) in the Department of Mathematics, University of Lucknow, Lucknow on 24th March, 2013.
2. The National Conference on Mathematics conducted by Bharat Ganita Parishad(BGP) in the Department of Mathematics, University of Lucknow, Lucknow, March 24th , 2013.
3. Two days National Conference on “ **Changing Scenario of Higher Education & Madhya Pradesh University Act 1973**” organized by Vikram University Ujjain, February 18-19, 2012.
4. Three days **UGC sponsored National Symposium on “Application of Various Techniques in Fluid Dynamics”(NSAVTFD-2011)** during February 10-12, 2011, at the B.S.N.V. Post Graduate College, Lucknow
5. 3rd National Symposium on “**Modern Trends in Differential Geometry and Mathematical Modeling in Bio-Sciences**” conducted under the SAP-UGC in the Department of Mathematics, University of Lucknow, Lucknow during January 15-16, 2011.
6. The National Conference on Mathematics conducted by Bharat Ganita Parishad(BGP) in the Department of Mathematics, University of Lucknow, Lucknow during December 22-23, 2008.
7. The National Symposium on Modern Trends in “**Differential Geometry and Mathematical Modeling in Bio-Sciences**” conducted under the SAP-UGC in the Department of Mathematics, University of Lucknow, Lucknow during December 24-25, 2008.
8. The National Conference on Mathematics conducted by Bharat Ganita Parishad(BGP) in the Department of Mathematics, University of Lucknow, Lucknow during november 23-24, 2002.
9. Golden Jubilee International Conference on mathematics held at the Department of Mathematics, Lucknow University, Lucknow(U.P.), India, December 31st,1999 to January, 3rd, 2000.
10. Annual Conference of Bharat Ganita Parishad, Department of Mathematics, University of Lucknow, Lucknow(U.P.), India , December 1995, 1996.

Administrative and Other Experiences:

1. Member of National focus group (NFG) ‘Emerging role of Community in education.’
To prepare policy paper for curriculum framework to implement NEP 2020
2. HOD/Incharge Department of Mathematics BSNVPG College, Lucknow 04-12-17 to 08-02-2021.
3. Member of the committee by UP Govt. to promote research in degree colleges of the state in reference of Natational Education Policy (NEP 2020) 2020.
4. Mantri, Vidhya Bharti Purvi Utter Pradesh from 31-03-2018.

5. Hon'ble Vice chancellor of KGMU appointed as University Representative -1 for conducting CPMT examination at B.D.Jain Degree College , Agra on 20th July , 2014.
6. Hon'ble Vice chancellor of KGMU appointed as University Representative -2 for conducting CPMT examination at Department of Tourism & Management, Agra University , Agra , 3rd June , 2012.
7. Hon'ble Vice chancellor of KGMU appointed as Internal Centre Observer for conducting CPMT examination at Christ Church Degree College , Kanpur on 26th May , 2009.
8. Chaired a session in National Conference on **"Role of Mathematics in Advancement of Science & Technology"** organized by Department of Mathematics B.S.N.V.P.G. College , Lucknow on Oct. 18-20, 2013.
9. Adjudged a session in National Conference on **"Role of Mathematics in Advancement of Science & Technology"** organized by Department of Mathematics B.S.N.V.P.G. College , Lucknow on Oct. 18-20, 2013.
10. Adjudged a competition of self composed poetry in the programme "Yaad Karo Qurbani" on 29 August 2016 "AZADI 70" the programme of Ministry of HRD Govt. of India.
11. Hon'ble Vice chancellor of Lucknow University appointed a member of special squad for checking in University Campus / Associated colleges during annual examination of 2005.
12. Judge in an event "BRAINZ" of 16th International Computer Olympiad on 16-08-12 organized by CMS , Station Road , Lucknow.
13. Judge in an event "BRAINZ" of 15th International Computer Olympiad on 13-09-10 organized by CMS , Station Road , Lucknow.
14. Worked as member of selection committee (Principal nominee) for a Project Fellow of a Major Research Project.
15. Worked as expert to appoint Assistant Professor in Mathematics in Shia P.G. College, nominated by Management Committee Shia P.G. College Lucknow on September 14, 2017.
16. Worked as member selection committee for lecturer in Mathematics in self finance scheme in Kalicharan P.G. College Lucknow on February 08, 2022 at Lucknow University Guest House in reference of Lucknow University letter no AF/1902/2021 dated 28.01.2022.
17. Worked as member selection committee career advancement cases for the faculties stage 3 to stage 4 (Associate Professor) in North Eastern Hill University (NEHU) held on December 14, 2021.
18. Elected as Joint Secretary (2009-9) , Vice-President (2009-11), General Secretary (2011-13) and President (2013-15) of B.S.N.V.P.G. College Teachers Union for a tenure of two years.
19. Elected unopposed (Nirvirodh) Office Secretary FUPUCTA in 2014-2022 election held at BSA College Mathura.
20. Worked as Assistant OSD (Sahayak Adhikshak) for Conducting and Processing of examination of Lucknow University in session 2006-07 & 2007-08.
21. Judge for the Competition of **"Gray Matter : English Debate"** At UTKARSH'14, Annual Student Fest organized by BBD University, Lucknow.
22. Involved in Course designing and training of "Basic Computer Application Training program" organized by IQAC BSNVPG College Lucknow.

23. Worked as Coordinator college magazine “Vivek” for session 2015-16 and 2016-17.
24. Worked as Proctor BSNVPG College Lucknow session 2016-17.

Sports:

1. In Badminton Doubles for Teaching and Staff competition placed Third in the year 2016
2. In Badminton singles for Teaching and Staff competition placed Second in the year 2016
3. In the musical chair race for staff placed second in the session 2016 -17.
4. In the 100 mts race for teaching staff placed third in the session 2005-06.
5. In the 100 mts race for teaching staff placed third in the session 2003-04.