

## Bio-Data

**Name** :Dr Jaskarn Singh Bhullar  
**Father's Name** :S. Sardul Singh Bhullar  
**Date of Birth** :19.03.1971  
**Address** :#A-4, MIMIT Malout-152107, Dist. Muktsar (Punjab)  
**Contact No.** :01637-645705,50, 09356737037  
**Email** :bhullarjaskarn@rediffmail.com  
**Designation** :Associate Professor(Mathematics)  
**Department** :Applied Science  
**Qualification** : Ph.D

| Experience  |   |            |  |                        |
|---|---|------------|--|------------------------|
| S.No.   | From  | Till       | Name and Address of Organisation   | Designation            |
| 1   | 01/07/2008  | Till Date  | MIMIT Malout   | Associate Professor    |
| 1   | 26/05/2005  | 30/06/2008 | MIMIT Malout   | Assistant Professor    |
| 2   | 24/04/2004  | 25/05/2005 | MIMIT Malout   | Lecturer(Senior Scale) |
| 3   | 13/07/1999  | 23/04/2004 | MIMIT Malout   | Lecturer               |
| 4   | 13/06/1999  | 13/07/1999 | GPC Batala   | Lecturer               |
| 5   | 02/06/1997  | 12/06/1999 | GTBKIET Chhapian Wali  | Lecturer               |
| Papers Presented/Published in Journals ( National/International ) |   |            |  |                        |
| S.No.   | Title   | Year       | Journal  |                        |
| 1.  | “The Generalized Non Additive Measure of useful information”                                  | Aug. 2003  | Applied Science Periodical Volume V(3) ,152-161(ISSN-0972-5504)  |                        |
| 2.  | “A Measure of Relative information for two Distributions”                                     | Dec.2003   | The Mathematics Education Volume-XXXVII(4),199-202(ISSN-0047-6269)   |                        |
| 3.  | “Customer perception regarding various promotional strategies adopted by petroleum companies” | July 2004  | Organizational Management, Journal of Management Education Foundation of Palaghat Management Association,Palakkad, Kerla, Volume XX.No.2, July-Sept. 2004, 29-31 |                        |
| 4.  | Developing of Libraries Network in India  | 2006       | International Library Movement(A guide to research in Library, IT & Heritage, National Level Journal),Volume 28(No. 2),115-120(ISSN-0970-0048)                   |                        |
| 5.  | “On the combination of five cyclic codes”   | May 2010   | International Journal of Contemporary Mathematical Sciences, Bulgaria. EU, vol. 5.2010.No.1627-1635(ISSN-1312-7586)  |                        |

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|----|---|------------|--|
| 6. | “On the Probability of Undetected Errors”   | June 2010  | Arya Bhatta Journal Of Mathematics & Informatics,Haryana, India,Vol.2.No.1,21-28(ISSN-0975-7139)   |
| 7. | “Properness of MMD Codes for $s=n-k-d$ ”  | June 2010  | International Journal of Advanced Engineering & Application, M.P., India, 296-298(ISSN -0975-7091) |
| 8. | “A Construction of Generalized Non Reed Solomon Codes”                              | Jan 2011   | Arya Bhatta Journal Of Mathematics & Informatics,Haryana, India,Vol.3.No.1,97-106(ISSN-0975-7139)  |
| 9. | ‘On Probability of Undetected Error for Hamming Codes Over Q-ary Symmetric Channel’ | April 2011 | Journal Of Communication and Computer, Illinois 60048 USA,Vol.8 No.4,259-263(ISSN-1548-7709)       |

| Papers Presented/Published in Conferences ( National / International ) |   |            |   |
|--|---|------------|---|
| S.No.  | Title   | Year       | Venue/ Journal  |
| 1.   | “Cryptography-A Review”   | May 2004   | National Seminar on E-Security at GTBKIET Malout(Punjab) ,113-118   |
| 2.   | “Information Security-A Review”   | Oct.2004   | National Conference on Trends Of Computational Techniques in Engineering at SLIET Longowal(Punjab), 230-236 |
| 3.   | “Graphics calculator Catolizer in Moderen Mathematics”                  | March 2005 | National Conference on Application of Mathematics in Engineering at MIMIT Malout(Punjab),125-129            |
| 4.   | “Undetected Error of Ternary Linear Codes”                              | March 2005 | National Conference on Application of Mathematics in Engineering at MIMIT Malout(Punjab),276-280            |
| 5.   | “Modelling & Simulation for Engineering Practice & Project Undertaking” | Jan.2006   | National Conference on advancement in Modelling & Simulation at LLRIET Moga(Punjab),230-236                 |

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|-----|--|------------|--|
| 6.  | “Digital Watermarking”   | March 2006 | National Conference on Information Technology Setting Trends in Modern Era at NCCE Israna (Haryana),7-11(ISBN 10-81-904221-3-8)  |
| 7.  | “Nanotechnology”   | March 2006 | National Conference on Information Technology Setting Trends in Modern Era at NCCE Israna (Haryana),189-192(ISBN 10-81-904221-3-8)   |
| 8.  | “Destination India-The New Healthcare Hub”   | April 2006 | 2 <sup>nd</sup> International Conference on Brand India Issues, Challenges and Opportunities at LIM Phagwara(Punjab)   |
| 9.  | “Entrepreneurial Acumen in Management Studies”   | Oct.2006   | 3 <sup>rd</sup> International Conference on Entrepreneurship creativity and Innovation in Business at GNA-IMT Phagwara(Punjab)   |
| 10. | “Ant Colon Optimization-Metaheuristic”   | Dec. 2007  | 9 <sup>th</sup> National Conference of ISITA on Information Technology and Operational Research Applications at GSBA Greater Noida(Uttar Pradesh)  |
| 11. | “Using Block Codes for Error Detection”  | OCT. 2009  | 11 <sup>th</sup> National Conference of ISITA(Sponsored by DST N. Delhi) atGGSKC Sarhali(Punjab)   |
| 12. | “Trigonometric Entropies and Jensen Difference Divergence Measure of Useful Information” | Nov.2009   | National Conference on Emerging Trends in Engineering and Information Technology at GTBKIET (Sponsored By AICTE New Delhi) Malout(Punjab),A14-A20  |
| 13. | “Study of Repeated Root 5-cyclic Codes”  | Dec. 2009  | International Conference on Recent Advances in Mathematical Sciences And Applications (RAMSA09) at GVPCOE (Sponsored B IFNA,DST, CSIR, NBHM) Madhurwada, Vishakhapatnam (Andhra Pradesh) |

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| 14. | “A Huffman based approach to achieve Minimum Redundancy”  | Jan.2010      | 2010 International Conference on Computer Modelling & simulation atSanya,CHINA (Published by IEEE Computer Society),Vol.4,ISBN No. 978-0-7695-3941-6,436-439   |
| 15. | “Analytic Utility of Shannon Entropy”   | March 2010    | National Conference on Recent Advances in Computational Techniques in Electrical Engineering at SLIET Longowal(Punjab),43-45   |
| 16. | “ Squaring Construction for Repeated-Root Cyclic Codes”   | May.2010      | International Conference on Applied Mathematics and Scientific Computing ( ICAMSC-2010) Tokyo,JAPAN ,Vol.65,759-761(ISSN-2070-3724)  |
| 17. | “Generalized Measure for Two Utility Distributions”   | July.2010     | The 2010 International Conference of Computational Statics and Data Engineering(World Congress on Engineering 2010),London U.K. Vol.3,2012-2016 (ISBN-978-988-18210-8-9,ISSN-2078-0958) Organised By IAENG Hong-Kong |
| 18. | “On Repeated-Root Cyclic Codes and Its Weight Enumirator”   | December 2010 | 2010 IEEE International Conference on Information Theory and Information Security Beijing, CHINA ,Vol.4,ISBN No. 978-1-4244-6943-3,1050-1053   |
| 19. | “Different Nature of Two Communication-Systems:Electrical Power Network and Information Transmission Network” | Feb.2011      | UGC & NBHM Sponsored National Conference on Advanced Mathematics & Its Applications,DAVC Bathinda(Punjab),ISBN:978-81-920674-0-7,219-225   |

**List of Seminars/Short Term Coursed Attended:**

| S. No. | Name of the Course                                   | Organized by                | From       | To         | Sponsoring Agency                           |
|--------|--|-----------------------------|------------|------------|---|
| 1.     | NSS Training & Orientation Course                    | GNDU, Amritsar              | 15.2.2002  | 24.02.2002 | Ministry of Culture, Youth Affairs & Sports |
| 2.     | NSS Refresher Course                                 | Punjabi University, Patiala | 17.07.2002 | 21.07.2002 | Ministry of Culture, Youth Affairs & Sports |
| 3.     | Faculty Development Programme                        | NITCON, Chandigarh          | 23.07.2001 | 28.07.2001 | Dept. of Science & Technology, N.Delhi      |
| 4.     | Biomedical Signal Processing & Imaging Techniques    | SLIET, Longowal             | 22.03.04   | 02.04.04   | AICTE & ISTE, N. Delhi                      |
| 5.     | Adoption of Technological Changes in Engg. Education | TIET, Patiala               | 21.06.2004 | 02.07.2004 | AICTE, New Delhi                            |
| 6.     | Library Automation, Networking and Digitization      | MIMIT Malout                | 20.07.2009 | 01.08.2009 | AICTE N. Delhi                              |
| 7.     | Intelligent Computational Techniques                 | SBSCET Ferozepur            | 04.07.2011 | 15.07.2011 | AICTE N. Delhi                              |

**Membership of Professional Organisations:**

- (a) Life member of Indian Society of Information Theory & its Applications (ISITA) New Delhi
- (b) Life member of Society of Applied Statistics and Compute Science, Department of Mathematics and Statistics CCS HAU, Hisar (Haryana)
- (c) Life member of the Indian Society for Technical Education (ISTE) New Delhi
- (d) Member IAENG International Association Of Engineers Hong Kong

**Research Activities**

- (i). Number of Students guided for M.Phil degree **08**
- (ii). Total Number of students guiding for Ph.D. **06(Pursuing)**