

Bio-Data

Name : Dr Jaskarn Singh Bhullar
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Date of Birth : 19.03.1971
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Designation : Associate Professor (Mathematics)
Department : Applied Science
Qualification : M.Sc. Ph.D

Experience				
S.No.	From	Till	Name & Address Of Organization	Designation
1	01/07/2008	Till Date	MIMIT Malout	Associate Professor
2	26/05/2005	30/06/2008	MIMIT Malout	Assistant Professor
3	24/04/2004	25/05/2005	MIMIT Malout	Lecturer(Senior Scale)
4	13/07/1999	23/04/2004	MIMIT Malout	Lecturer
5	13/06/1999	12/07/1999	GPC Batala	Lecturer
6	02/06/1997	12/06/1999	GTBK IET 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)
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)
10	“Comparison Analysis of Efficient Multicast Routing Protocols”	June 2011	Arya Bhatta Journal Of Mathematics & Informatics, Haryana, India,Vol.3.No.1,119-122 (ISSN-0975-7139)
11	“On Generator Cauchy Matrices of GDRS/GTRS Codes”	May2012	International Journal of Contemporary Mathematical Sciences, Bulgaria. EU, vol. 7,2012,No.47,2317-2326 (ISSN-1312-7586)
12	“On MDS One Digit Extension of GTRS Codes”	2013	International Journal of Emerging Technologies in Computational and Applied SciencesVol.4,No.6,356-364,(ISSN-2279-0047(P),0055(OL))
13	“A Root-Finding Algorithm Under Generalised Transformation(RM Codes)”	Jan 2014	International Journal of Physics and Mathematical Sciences,Vol.4(1),57-61(ISSN-2277-2111)
14	“Covering Radius of RM Binary Codes”	Mar 2014	ARPJ Journal of Sciences and Technology,Vol.4 No.3,223-233 (ISSN-2226-7217)

Papers Presented/Published in Conferences (National / International)			
S No.	TITLE	YEAR	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
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 nd International Conference on Brand India Issues, Challenges and Opportunities at LIM Phagwara(Punjab)
9	“Entrepreneurial Acumen in Management Studies”	Oct.2006	3 rd International Conference on Entrepreneurship creativity and Innovation in Business at GNA-IMT Phagwara (Punjab)
10	“Ant Colon Optimization-Metaheuristic”	Dec. 2007	9 th 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 th 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 Pardesh)
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- 61 (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 Engineering2010), London U.K.Vol.3, 2012-2016 (ISBN- 978-988-18210-8-9,ISSN-2078-0958) Oganised 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

20.	“Probabilty of Undetected Error of Dual Binary Hamming Codes”	May 2011	PTU Sponsored National Conference on Latest Advancements in Science, Engineering and esearch, BFCET Bathinda (Punjab), ISBN:978-93-81361-06-1,136-139
21.	“Bounds on the Weight of Dual BCH Codes for Quantum Codes”	Jan. 2012	National Conference on Recent Advancements and Innovations in Science and Engineering, GRDIET Bathinda (Punjab), ISBN:978-93-81583-16-6,238-242
22.	“On Properness of Irreducible Cyclic Codes Of Even dimension”	Nov.2012	International Conference on Histort and Development of Mathematical Sciences” ICHDMS-2012,Deptt.of Mathematics, MDU Rohtak (Haryana)
23.	“On Quantum BCH codes and its Duals”	June 2013	International Conference on Applied Mathematics and Engineering Mathematics ICAMEM- 2013, Toronto, Canada, ISSN-2010-376X, Organised by WASET

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.Phill degree **08**
- (ii) Total Number of students guided for Ph.D. **02**
- (iii) Total Number of students guiding for Ph.D. **08(Pursuing)**