

CURRICULUM VITAE

Divya Taneja	POSTAL ADDRESS:
Mobile: +91-9855526296 E-mail: dtaneja25@yahoo.co.in	# 265, Green City Phase 2 Bathinda, Punjab INDIA

EDUCATIONAL QUALIFICATION

Qualification	University/Board	Year of Qualifying Examination	Subjects
Ph.D.	IKG Punjab Technical University, Jalandhar	2019	On The Study of Generalised Quantum Maximum-Distance-Separable (MDS) And Bose-Chaudhuri-Hocquenghem (BCH) Codes
NET(CSIR)	UGC	2003	Math
B.Ed	Punjabi University, Patiala	2001	Teaching of math & science
M.Sc.	Punjabi University, Patiala	2000	Mathematics
B.Sc.	Punjabi University, Patiala	1998	Non-Medical
10+2	P.S.E.B, Mohali.	1995	Non-Medical
Matriculation	C.B.S.E, Delhi.	1993	Maths, S. St., Sci., Eng., Pbi, Hindi.

EMPLOYMENT DETAILS

Designation	Name of Organization	Duration / Tenure
Assistant Professor	Yadavindra department of Sciences	02/09/21- Till Date
Assistant Professor	Yadavindra College of Engineering	14/06/05 – 01/09/21
Lecturer	St.Xaviers Sr.secondary school Bathinda	01/04/05 -15/05/05
Lecturer (guest faculty)	GZET-Bathinda	04/08/04 -07/11/04
Lecturer (guest faculty)	Govt-Rajindra College Bathinda	01/08/03 - 31/10/03

Lecturer (guest faculty)	Khalsa Girls College Bathinda	02/12/02 - 01/02/03
--------------------------	-------------------------------	---------------------

ORIENTATION / REFRESHER COURSES

Name of course	Duration	Name of institute
Two Week Interdisciplinary National Workshop on Environmental Management. (equivalent to Refresher Course)	02 Weeks 02.09.19 - 13.09.19	Teaching Learning Centre, Central University of Punjab Ministry of Human Resource Development, Government of India
Orientation Programme	01.09.07 - 28 .09. 07	Academic Staff College, Punjab University Chandigarh
Refresher course	26.11.10 -16.12.10	Academic Staff College, Punjab University Chandigarh

RESEARCH PAPERS

1. D. Taneja, R. K. Narula, M. Gupta and J. Bhullar “Construction of New Quantum MDS Codes Derived from Constacyclic Codes” International Journal of Quantum Information Vol. 15, No. 1 (2017)
(SCI Journal, Impact Factor – 0.766) (UGC Listed Journal: 23435)
2. D. Taneja, R. K. Narula, M. Gupta and J. Bhullar “Tailoring the Parameters Of Quantum MDS Codes Constructed From Constacyclic Codes” International Journal of Computer Science and Information Security (IJCSIS), Vol. 14, No. 10, October 2016.
3. M. Gupta, R. K. Narula and D. Taneja, “On the Construction of Odd Length Quantum Codes,” British Journal of Mathematics & Computer Science 6(5), pp. 444-450, 2015.
4. M. Gupta, R. K. Narula and D. Taneja, “Undetected Error Probability for Quantum Codes,” American Journal of Applied Mathematics & Statistics, 2015, Vol. 3, No. 2, 76-79.
(UGC Listed Journal: 62794)

5. D. Taneja, R. K. Narula and M. Gupta, "On the Undetected Error Probability of Quantum Hamming Codes," Research Cell : An International Journal of Engineering Sciences, Issue December 2014, Vol. 3 ISSN: 2229-6913 (Print), ISSN: 2320-0332 (Online),pp. -74-76 © 2014 Vidya Publications.

(UGC Listed Journal. 63019)

6. D. Taneja, "On the Construction of Non Primitive Narrow Sense Quantum BCH Codes" International Journal of Theoretical & Applied Sciences, 9(2): 314-319(2017).

(UGC Listed Journal)

7. D. Taneja, R. K. Narula and M. Gupta, "Construction of a Class of Quantum MDS Codes" Universal Review Journal, Vol.8, No. V, 705-709.

CONFERENCES

1. Presented the paper "A note on decoding of linear codes," in National Conference on Recent Advancements and Innovations in Science and Engineering Jan-2012, Guru Ram Dass Institute of Engg.and Tech.
2. Paper published, "A note on family of single-error correcting codes" p.no.185-187 in proceedings National Conference on Recent Advancements and Innovations in Science and Engineering, Guru Ram Dass Institute of Engg.and Tech. Jan- 2012 .
3. Presented the paper " MDS codes as Projective Geometry" in 15th Punjab Science Congress Feb -2012, Guru Nanak Dev University, Amritsar.
4. Paper published, "Decoding schemes for linear error correcting codes" in proceedings NCRAAM – 2012 (Feb) ITM, University Gurgaon
5. Presented the paper, "Encoding and Decoding of Convolution Codes" in 16th Punjab Science Congress Feb-2013, Baba Farid University of Health Sciences, Faridkot.
6. Presented the paper "Quantum MDS codes of distance 2," in International Conference on Special Functions and Their Applications October 16-18, 2014, Thapar University, Patiala.
7. Presented the paper " On the Undetected Error Probability of Quantum Hamming Codes," in National conference on Upcoming Trends in Computer Science and Engineering 9th & 10th December 2014, GZS - PTU Campus, Bathinda.
8. Presented the paper "Undetected Error Probability of Quantum Stabilized Codes of Distance -2," in National Conference on Recent Trends in Mathematical and Computational Sciences, January 3-4, 2015, T.M. Bhagalpur University, Bhagalpur.

9. Paper presentation on “A Parameter of Quantum MDS codes which cannot be constructed from Constacyclic Codes” at 4th national conference on “Issues and Innovations in Service Sector: Implications of Management and Engineering Sciences” organized by Baba Farid College of Management and Technology on 24-25 Sep, 2015.
10. Paper presentation on “Construction of a Class of Quantum MDS Codes.” at National Conference on “Latest Developments in Civil and Environment Engineering 2015 LDCEE’15” organized by Giani Zail Singh Campus College of Engineering & Technology, Bathinda on 15-16 Oct, 2015.
11. Paper presentation on “Generalization of a Parameter of Quantum MDS Codes.” at International Conference on “Latest Developments in Materials, Manufacturing and Quality Control” organized by Giani Zail Singh Campus College of Engineering & Technology, Bathinda on 12-13 Feb, 2016.
12. Paper presentation on “A Construction of Quantum MDS codes with Improved Parameters.” at 4th international conference AFTMME’ 16 organized by Baba Farid College of Engineering and Technology on 25-27 Feb, 2016.
13. Paper presentation on “New parameters of optimal quantum codes constructed from constacyclic codes.” at 4th international conference AFTMME’ 16 organized by Baba Farid College of Engineering and Technology on 25-27 Feb, 2016.
14. Paper presentation on “On the Construction of Odd Length Optimal Quantum Codes of Distance 2” at 4th international conference on “Advancements in Engineering and Technology” held at Bhai Gurdas Institute of Engineering and Technology on 18-19 Mar, 2016.
15. Paper presentation on “Construction of a New Class of Quantum Maximum Distance Separable Codes.” at National Conference on “Recent Advancements in Science, Commerce and Technology 2016” organized by Mata Sahib Kaur Girls College, Talwandi Sabo on 5-6 April, 2016
16. Paper presentation on “Coding theory : A Brief Study.” at National Conference on “Recent Advancements in Science, Commerce and Technology 2016” organized by Mata Sahib Kaur Girls College, Talwandi Sabo on 5-6 April, 2016.
17. Paper presentation on “Effect of Internet Pollution on Youth” at National Conference on “Current Issues and Opportunities in Emerging Global Business Scenario” organized by Department of Humanities and Management Studies at GZCCET, Bathinda, 7-8 April, 2016.

18. Paper presentation on “Construction of a class of Bose Chaudhuri ... (BCH) Quantum Codes” at National Conference on “Emerging Scenario in Basic and Applied Sciences for Sustainable Development” organized by D.A.V. College, Bathinda, 05 April, 2018.
19. Paper presentation on “On Construction of a New Parameter of Quantum BCH Codes” at 2nd national conference on “Wireless Communication and Mathematics (NCWCM’19)” organized by Punjabi University Guru Kashi College Damdama Sahib Talwandi Sabo, 01 December 2019.
20. Paper presentation on “Linear Codes and its applications” at 2nd national conference on “Wireless Communication and Mathematics (NCWCM’19)” organized by Punjabi University Guru Kashi College Damdama Sahib Talwandi Sabo, 01 December 2019.
21. Paper presentation on “Nanotechnology: Nature the real motivation” at 2nd national conference on “Wireless Communication and Mathematics (NCWCM’19)” organized by Punjabi University Guru Kashi College Damdama Sahib Talwandi Sabo, 01 December 2019.
22. Paper presentation on “On Construction of Quantum BCH Codes of New Length” at National Conference on “Recent Advancement in Science and Technology for Sustainable Development” organized by D.A.V. College, Bathinda, 5 March, 2022.
23. Paper presentation on “BCH codes and its applications – A Review” at National Conference on “Computational Techniques and Mathematical Modeling” organized by D.A.V. College, Bathinda, 12 March, 2022.

FACULTY DEVELOPMENT PROGRAMME'S AND WORKSHOPS ATTENDED

1. One week ISTE-PTU-Faculty Development Programme on “Coding Theory and its Applications” organized by Malout Institute of Management and Information Technology Malout.
2. Short Term Course on “Water Harvesting, Water Recycling and Water Resource Management” organized by the Department of Civil Engineering at GZCCET, Bathinda (Punjab) on 20-24 July 2015.
3. Workshop on, “Innovations in Science (IIS-2015)” held at YCoE, Punjabi University Guru Kashi Campus, Talwandi Sabo, Bathinda on Oct 7-8, 2015.
4. Short Term Course on “Green and Energy Efficient Buildings ” through ICT organized by the Department of Civil Engineering at GZCCET, Bathinda (Punjab) on 29 Feb - 4 Mar 2016.

5. 2nd National Workshop on Innovations in Science (IIS-2016), September 15-16, 2016 organized by Science and Environment Club in association with applied Science and Humanities Section Yadavindra College of Engineering, Punjabi University Guru Kashi Campus Talwandi Sabo
6. One day National Seminar on “Higher Education for Development and Role of Teachers” organized by Bhartiya Shikshan Mandal on July 16, 2017.
7. 3rd National Workshop on Innovations in Science (IIS-2017), Nov 6-7, 2017 organized by Science and Environment Club in association with applied Science and Humanities Section Yadavindra College of Engineering, Punjabi University Guru Kashi Campus Talwandi Sabo.
8. One Day Workshop on ROBOTICS, Feb 07, 2018 organized by Yadavindra College of Engineering, Punjabi University Guru Kashi Campus Talwandi Sabo.
9. Short Term course on “Research Methodology” Sept 24-29, 2018 organized by UGC-Human Resource Development Centre, Punjabi University , Patiala.
10. 4th National Workshop on Innovations in Science (IIS-2018), Oct 16-17, 2018 organized by Yadavindra College of Engineering, Punjabi University Guru Kashi Campus Talwandi Sabo.
11. Short Term course on “Engineering Today-2018” May 7-11, 2018 organized by Yadavindra College of Engineering, Punjabi University Guru Kashi Campus Talwandi Sabo.
12. Short Term course on “Engineering Today” Jan 7-11, 2019 organized by Yadavindra College of Engineering, Punjabi University Guru Kashi Campus Talwandi Sabo.
13. 5th National Workshop on Innovations in Science (IIS-2019), Nov 14-15, 2019 organized by Yadavindra College of Engineering, Punjabi University Guru Kashi Campus Talwandi Sabo.

MEMBERSHIP OF SOCIETIES

1. Indian Society for Technical Education (ISTE) (M. No.- LM98222)
2. Punjab Academy of Science (M. No.- L-1172)

PERSONAL DETAILS

Father's Name: Mr. Virender Kumar Taneja

Mother's Name: Mrs. Saroj Taneja

D.O.B: 25 October, 1977

Sex: Female

Category: General

Nationality: Indian

Marital status: Married

PLACE: YADAVINDRA DEPARTMENT OF SCIENCES, TALWANDI SABO

(DIVYA)

DATE: