

Faculty Profile

Faculty Name	Dr. Dinesh C. Verma
Designation	Associate Professor
Qualification	Ph.D. (CSE), M.Tech. (IT), M.Phil. (CS), MCA, NET
Email	Hod.mca@piet.co.in
Area of Interest	MANET, Data Science
Work Experience (Total)	
<ul style="list-style-type: none"> • Teaching 	17 years 9 months
<ul style="list-style-type: none"> • Research 	9 Years
<ul style="list-style-type: none"> • Industry 	
<ul style="list-style-type: none"> • Others 	
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	DBMS, C++, C, Computer Networks, Discrete Maths, SE, SAD, OS, Computer Graphics, Linux and Shell Programming.
Membership of Professional Bodies	ISITA
Research Publications	16
<ul style="list-style-type: none"> • Research Papers UGC-CARE 	03
<ul style="list-style-type: none"> • Research Papers SCOPUS 	05
<ul style="list-style-type: none"> • Research Papers WoS/SCI/ABDC 	01
<ul style="list-style-type: none"> • List of Publications 	<ul style="list-style-type: none"> • Ramesh Raghavan, Dinesh Chander Verma, Tarun Bansal “Using Double DQN and sensor information for Autonomous Driving”, accepted for publication in International Journal of Sensors, Wireless Comm: & Control SWCC(2021) 11:1. Bentham Sciences, DOI: 10.2174/2210327911666210114121049 (Scopus Indexed) • Dinesh Chander and Rajneesh Kumar “Multicast error correction method to support scalability in mobile ad hoc networks” Published in International Journal of Information Technology,

doi.org/10.1007/s41870-018-0164-6, ISSN 2511-2112, April 2018 (Scopus Indexed).

- Hari Singh, Dinesh Chander, Ravinder Bhatt “Parallel Computing of Matrix Multiplication in Open MP supported CodeBlocks” published in Advances and Applications in Mathematical Sciences (ISSN 0974-6803), VOLUME 18, ISSUE 8, JUNE 2019, Page 775-787, indexed in Emerging Sources Citation Index (Web of Sciences).
- Dinesh Chander and Rajneesh Kumar “QoS Enabled Cross Layer Multicast Routing over Mobile Ad Hoc Networks” presented in ICSCC 2017 and published in Elsevier Procedia Computer Science, ISBN 9781510855953 (Scopus Indexed).
- Dinesh Chander and Rajneesh Kumar “IDS Enabled MAODV for Secure Group Communication over MANET”, International Journal of Computer Science and Information Security (IJCSIS), Vol. 14, No. 10, October 2016, ISSN 1947-5500. (Indexed by Thomson Reuters)
- Dinesh Chander and Rajneesh Kumar “ Energy Efficient Buffer Management for Group Communication in MANETs ”, International Journal of Advanced Research in Computer Science, Volume 8, No. 1, Jan-Feb 2017, ISSN- 0976-5697 (UGC approved)
- Dinesh Chander and Rajneesh Kumar “Analysis of Scalable and Energy Aware Multicast Routing Protocols for MANETs” Indian Journal of Computer Science and Engineering (IJCSE), Vol. 8 No. 3 Jun-Jul 2017, pp. 470-478, ISSN : 0976-5166 (UGC approved)
- Dinesh Chander and Rajneesh Kumar “A Survey of Issues in Supporting QoS based Multicast Routing Protocols over MANETs”, International Journal of Computer Applications (0975 – 8887) Volume 112 – No 13, February 2015
- Dinesh Chander and Rajneesh Kumar “A Survey of Issues Related to Multicast Routing Protocols over Mobile Ad hoc Networks”, Published in the proceeding Volume 1, Page no. 169-175 ISBN: 978-93-83842-55-1) of an International conference “Emerging Technologies” under TEQIP-II held at N.C. College of Engineering from 24th to 26th April 2014.
- Bharat Chabra, Dinesh Chander “Software

	<p>Engineering Issues from the Cloud Application Perspective” in International Journal of Information Technology and Knowledge Management July-December 2010, Volume 2, No. 2, pp. 669-673 (UGC Indexed).</p> <ul style="list-style-type: none"> • Dinesh Chander “Issues related with Data Security in Cloud Computing” in Cyber times’s Int. Journal of N/W security, Vol 5, March 2012 issue. • Dinesh Chander, A.K. Mohapatra, Kaleem Usmani “Light weight encryption technique for group communication in Cloud computing environment” in Int. Journal of Computer Application Vol. 49 July 2012 Issue.
Book and Chapter Publications	
<ul style="list-style-type: none"> • Books Authored published by International Publishers 	
<ul style="list-style-type: none"> • Books Authored published by National Publishers 	<ul style="list-style-type: none"> • Dr. Ramesh, Dr. Dinesh Chander Verma, Dr. Geeta, Manjula Verma, “Data Structure”, ISBN 978-93-83861-03-3, Unique Publication. • Dr. Ramesh, Dr. Dinesh Chander Verma, Ankit Garg, Leena, “Computer and Programming Fundamentals”, Unique Publications.
<ul style="list-style-type: none"> • Publication of Chapter in Edited Books 	<ul style="list-style-type: none"> • Book Chapter by Dinesh Chander Verma, Hari Singh "A Study of Big Data Processing for Sentiments Analysis” in the book title Large-Scale Data Streaming, Processing, and Blockchain Security by IGI Global, Scopus Indexed, DOI: 10.4018/978-1-7998-3444-1.ch001 • Book Chapter “ A 360⁰ Industry Process Optimization using Industry 4.0” is accepted for publication by Taylor and Francis Catalogue # 474907 ISBN: 978-1-032-06757-6
<ul style="list-style-type: none"> • Editor of Book by International Publishers 	Data Science for Effective Healthcare Systems by CRC Press
<ul style="list-style-type: none"> • Editor of Book by National Publishers 	
<ul style="list-style-type: none"> • Translation Work of Book 	

<ul style="list-style-type: none"> List of Book and Chapter Publications 	
Patents	
<ul style="list-style-type: none"> Published 	01
<ul style="list-style-type: none"> List of published patent(s) 	<ul style="list-style-type: none"> Rajneesh Kumar, Dinesh Chander, “A system for optimized energy consumption in multicast communication and methods thereof over MANETs”, Application ID 201811023691, 26th June, 2018.
<ul style="list-style-type: none"> Filed 	
<ul style="list-style-type: none"> List of filed patent(s) 	
PhD Guidance	
<ul style="list-style-type: none"> Degree Awarded 	
<ul style="list-style-type: none"> Thesis Submitted 	
M.Tech. Guidance	
<ul style="list-style-type: none"> Degree Awarded 	
<ul style="list-style-type: none"> Thesis Submitted 	
Research Project	
<ul style="list-style-type: none"> List of Research project 	
Consultancy	
<ul style="list-style-type: none"> List of Consultancy 	
Awards & Honours	
<ul style="list-style-type: none"> List of Awards & Honours 	
Invited lectures / Resource Person/ paper presentation in Seminars/ Conferences/full paper in Conference	03
<ul style="list-style-type: none"> International (Abroad) 	
<ul style="list-style-type: none"> International (Within Country) 	
<ul style="list-style-type: none"> National 	<ul style="list-style-type: none"> Resource person at FDP on “ICT in Education and

	<p>Cyber-Security (July 10-16, 2019)” at HANSRAJ COLLEGE, UNIVERSITY OF DELHI (15th July 2019) under the aegis of PMMMNM TT, MHRD.</p> <ul style="list-style-type: none"> • Resource person at FDP on “Entailing Vitality of ICT in Capacity Building of Faculties (Aug 17-Aug 22, 2019)” at Dr. Shyama Prasad Mukherjee University, Ranchi (20th August 2019) under the aegis of PMMMNM TT, MHRD. • Resource person at FDP on “Transformation in Higher Education: Issues and Road Ahead” (28th September- 12th October, 2020)” jointly organized by HANSRAJ COLLEGE, UNIVERSITY OF DELHI and GOVERNMENT DEGREE COLLEGE FOR WOMEN, ANANTNAG (J&K), taken session on “Redesigning Higher Education for Building Research Capability and Employability Skills” on 6th October, 2020 under the aegis of PMMMNM TT, MHRD.
<ul style="list-style-type: none"> • List of published papers 	<ul style="list-style-type: none"> • Shakti Arora, Dinesh Chander Verma, Vijay Athavale “A secured automated Attendance Management System implemented with Secret Sharing Algorithm:A solution in pandemic outreach of Covid-19”, <i>2020 Sixth International Conference on Parallel, Distributed and Grid Computing (PDGC)</i>, Wagnaghat, Solan, India, 2020, IEEE Xplore pp. 141-145, doi: 10.1109/PDGC50313.2020.9315854 (Scopus Indexed). • Dinesh Chander and Rajneesh Kumar “Performance Analysis of Multicast Routing Protocols Over MANET Under CBR and VBR Traffic Patterns” In: <i>Futuristic Trends in Network and Communication Technologies. FTNCT 2018. Communications in Computer and Information Science, vol 958.</i> Springer, Singapore; Print ISBN: 978-981-13-3803-8 ; Online ISBN: 978-981-13-3804-5 (Scopus Indexed). • Dinesh Chander, Rajneesh Kumar and Deepika Sareen “A Survey of Issues Related to Multicast Routing Protocols over Mobile Ad hoc Networks” Published in the proceeding (Volume 1 , Page no. 169-175 ISBN: 978-93-83842-55-1) of an International conference “Emerging Technologies” under TEQIP-II held at N.C. College of Engineering from 24th to 26th April 2014.

	<ul style="list-style-type: none"> • Dinesh Chander, Vikas Raheja “Data Encryption and its Impact on Performance of Cloud Applications” published in Proceedings of the 5th National Conference; INDIACom-2011 at BharatiVidyapeeth’s Institute of Computer Applications and Management, New Delhi in March 2012.
Organizing National Conference/ International Conference/ FDP/STTP	
<ul style="list-style-type: none"> • List of Conference/FDP/STTP committee 	<ul style="list-style-type: none"> • Member organizing committee of one week AICTE sponsored STTP “ Design of Soft Computing Based Machine Learning Model” 2021 at PIET Panipat. • Convener of one day International Conference on “Intelligent Sysytems: Approches, Technologies and Networks (ISTAN-2019)” held on 29th March, 2019 at PIET, Panipat. • Convener of National seminar “Emerging trends in software Engineering” held on Sept 5- 6th 2008 at NCCE Israna (Panipat). • Co-convener of National seminar “challenges in software Engg: Research and practices” held on 30-31st March, 2010 at NCCE Israna (Panipat).
Social Contributions and Sports	
<ul style="list-style-type: none"> • List of Social Contributions and Sports 	<p>Helped migrant labors during COVID pandemic in 2020. Delivered many sessions on career awareness in Schools</p>