

BIO-DATA

DR. NASIB SINGH GILL

Dean, Faculty of Mathematical & Computational Sciences

Senior Professor, Department of Computer Science & Applications,

MAHARSHI DAYANAND UNIVERSITY ROHTAK-124001

HARYANA, INDIA



1. Name	: Dr. Nasib Singh Gill
2. Date of birth	: March 21, 1968
3. Designation & Posts Held at present	: – Dean, Faculty of Mathematical & Computational Sciences – Senior Professor, Deptt. of Computer Sc. & Applications – Head, Department of Statistics & Data Science – Nodal Officer, Academic Bank of Credits M.D. University, Rohtak-124001, Haryana, India. Phone: +91-1262-293203, Mobile: 09050805136
4. Positions held earlier	: -Head, Department of Computer Sc. & Applications -Director, Centre for Distance and Online Education -Director, Digital Learning Centre, -Director, Directorate of Distance Education -Director, University Computer Centre -Director, MDU Alumni -Director, Public Relations -University Nodal Officer, AISHE, MHRD, GoI
5. Address for Correspondence	: C-62, Sector 34, Suncity, Rohtak-124001 (Haryana) Mobile: 9050805136 E-mail: gill.nasib@gmail.com, nasib.gill@mdurohtak.ac.in Website: https://nasibsgill.github.io/personal
6. Academic Qualifications	: • Post Doctoral Research (Computer Sc.) from Brunel University, United Kingdom • Ph.D.(Computer Sc.) • MBA
7. Teaching Experience	: 36+ years
8. Research Experience	: 31+ years
9. Research Interests/Thrust Areas	: IoT, Machine Learning, Computer Vision, Cyber Security, Software Metrics, Component-based Metrics, Testing, Reusability, Data Mining and Data Warehousing, NLP, Network Security, Information Security

10. Books & Research Papers	: Books – 4 (Independent), 1 (Joint), Courseware (6 Courses) Papers Published: 1. <i>Published in International/National Journals: 266 (More than 30 papers in Q1 Journals)</i> 2. <i>Book Chapters in Edited Books: 30</i> 3. <i>Published in Intl. Conf. Proc./Magazines, etc: 37</i> 4. <i>Published in National Conf. Proceedings, etc: 110</i>
11. Patents Filed/Published/Awarded	: 04 (Granted), 04 (Published)
12. Contribution towards MHRD, Govt of India – ARPIT through MOOCs on SWAYAM	: Developed/Delivered 13 Course Modules on Pedagogical Innovations & Research Methodology
13. Ph.D. Thesis Guided/ Guiding	: Awarded: 16, Guiding : 08
14. Conferences Attended/Key Speaker/ Resource Person	: Conferences (International/National/Workshops): 130+ Key Speaker/Resource Person in FDPs/RCs/OCs, etc: 188+
15. MCA/M.Sc. Projects & M.Tech. Thesis guided	: MCA/M.Sc. Projects: about 375+; M.Tech Thesis: 18

A) Present Position

A	Designation	• Dean, Faculty of Mathematical and Computation Sciences • Senior Professor, Department of Computer Science & Applications, • Nodal Officer, Academic Bank of Credits <i>(Former Director, Centre for Distance and Online Education; Former Director, Digital Learning Centre)</i>
B	Organization	Maharshi Dayanand University, Rohtak, Haryana
C	Basic Pay/Pay Scale	Rs. 2,24,100 / Rs.1,82,200-2,24,100/- [Senior Professor Scale]
D	Date of appointment to the present post	25.11.2018 (25 th November 2018) - on the post of Senior Professor
E	Total Experience (In Years and Months)	36 years Teaching Experience (as Professor – 17 ½ years)

B) Details of experience possessed as per eligibility criteria:

(10 year's Professorship or equivalent as per UGC Regulations on Minimum Qualifications for Appointment of Teachers and other Academic Staff in Universities and Colleges)

S.No	Post Held	Pay Scale	Organisation	Nature of Duties	Experience
1.	Professor (Open) Since 25.11.2008	Rs.43000-67000 (being Directly Recruited Professor)	Department of Computer Science & Applications, M.D. University, Rohtak, Haryana	<u>Academic</u> i) Teaching ii) Research <u>Administrative</u> i) Head of Department - 12 Years (4 times for 3 years each). ii) Director, Centre for Distance and Online Education (9 ½ Years)	17 Yrs 6 Mths (since 25.11.2008)

	Sr. Professor (Since 25.11.2018)	Rs.1,82,200- 2,24,100/-		iii) Director, Digital Learning Centre (7 Years+) iv) Director, Computer Centre (3 Years+) v) Director, MDU Alumni (5 Years+) vi) University Level Nodal Officer, AISHE, MHRD, Govt of India vii) Nodal Officer, Academic Bank of Credits (ABC) (at present too)	

C) Educational Qualifications (Latest to Graduation Level)

S.No.	Qualification	University	Year	Subject(s)/Topic(s)	% Achieved	Distinctions etc
1.	Post-Doctoral Research (Computer Science)	Brunel University, West London, UK	Oct. 2002	Fluid Information Systems/SITE Project/Component-Based Systems (Completed)		
2.	Ph.D.(Computer Sc.)	M.D. University, Rohtak	March 1996	“Study & Design of Software Complexity Metrics”		
3.	PGDCSA	Panjab University, Chandigarh	Oct. 1989	Computer Science related subjects	69.47%	First-class
4.	Master of Science	M.D. University, Rohtak	July 1988	Physics (with specialization in Electronics)	70%	First-class
5.	Bachelor Of Science	M.D. University, Rohtak	May 1986	Physics, Chemistry, Maths	69.37%	First-class

D) Administrative Experience/ Post (s) & responsibilities held

S.No.	Post	Organisation/ University	Duration		Experience (In Years & Months)
			From (Date)	To (Date)	
1.	Head of Department	Dept. of Comp Sc. & Appls., M.D. University, Rohtak	16.03.2006	15.03.2009	3 Years
		Dept. of Comp Sc. & Appls., M.D. University, Rohtak	16.03.2009	15.03.2012	3 Years
		Dept. of Comp Sc. & Appls., M.D. University, Rohtak	15.03.2015	14.03.2018	3 Years
		Dept. of Comp Sc. & Appls., M.D. University, Rohtak	15.03.2021	14.03.2024	3 Years
2.	Chairman, Board of Studies	Dept. of Comp Sc. & Appls., M.D. University, Rohtak	16.03.2006	15.03.2009	3 Years
		Dept. of Comp Sc. & Appls., M.D. University, Rohtak	16.03.2009	15.03.2012	3 Years
		Dept. of Comp Sc. & Appls., M.D. University, Rohtak	15.03.2015	14.03.2018	3 Years
		Dept. of Comp Sc. & Appls., M.D. University, Rohtak	15.03.2021	14.03.2024	3 Years
3.	Member, Board Of Studies	Dept. of Comp Sc. & Appls., M.D. University, Rohtak	1990	15.03.2006	16 Years

		Dept. of Comp Sc. & Appls., M.D. University, Rohtak	16.03.2012	14.03.2015	3 Years
		Dept. of Comp Sc. & Appls., M.D. University, Rohtak	15.03.2018	14.03.2021	3 Years
		Dept. of Comp Sc. & Appls., M.D. University, Rohtak	15.03.2024	Till-date	1 Year (approx.)
4.	Member, Academic Council	M.D. University, Rohtak	16.03.2006	Till-date	19 Years+
		Manav Rachna International University, Faridabad	12.10.2017	2021	4 Years+
		Gurugram University, Gurugram	April 2018	2022	4 Years
		Baba Mastnath University, Rohtak	2017	2020	3 Years
5.	Member, IAENG	International Association of Engineers, Hong Kong (Membership No. –210833)	21 st Feb. 2018	Till-date	4 Years and 11 Months+
6.	Member, IACSIT (Mem No. – 80338903)	International Association of Computer Science and Information Technology (ICSIT), Singapore	30 th Aug. 2010	Till-date	14 Years 6 Months+
7.	Institutional Member, CSI	Computer Society of India, Chennai (No. F8000344)	1996	Valid Till 30 th June 2030	26 Years+
8.	Fellow Member, IETE(M.No – F-216289)	The Institution of Electronics and Telecommunication Engineers (IETE), New Delhi	1996	Till-date	26 Years+
9.	Director	Directorate of Distance Education, M.D. University, Rohtak	Nov. 7, 2005	May 21, 2007	2 Years
		Directorate of Distance Education, M.D. University, Rohtak	2013	Oct. 2015	2 Years+
		Centre for Distance and Online Education, M.D. University, Rohtak	March 2, 2021	July 14, 2025	4 ½ Years
10.	Director	University Computer Centre, M. D. University, Rohtak	2008	2012	3 Years+
11.	Director	Digital Learning Centre, M. D. University, Rohtak (Erstwhile DLIM Cell)	2017	15.09.2025	8 Years+
12.	Director	MDU Alumni, M.D. University, Rohtak	March 2011	March 2016	5 Years+
13.	Director	Public Relations, M. D. University, Rohtak	Mar 21, 2007	2008	2 Years+
14.	University Nodal Officer	All India Survey on Higher Education (AISHE), MHRD, Govt of India	2011	2014	3 Years+
15.	Convener, NYF-2017	Convener, Control Room, 21 st National Youth Festival (NYF-2017), M.D. University, Rohtak	Jan 12, 2017	Jan 16, 2017	Appreciation Letter by Vice-Chancellor
16.	Convener, NYF-2017	Convener, IT Support, 21 st National Youth Festival (NYF-2017), M.D. University, Rohtak	Jan 12, 2017	Jan 16, 2017	Appreciation Letter by Vice-Chancellor
17.	Convener, 18 th Convocation	Convener, Procurement Committee, Convener, Seating Arrangement Committee, 18 th Convocation, M.D. University, Rohtak (Chief-Guest: Vice-President of India)	Dec. 26, 2023	Dec. 26, 2023	Appreciation Letter by Vice-Chancellor

18.	Member, NAAC Steering Committee	Member, NAAC Steering Committee, M.D. University, Rohtak	2017	Till-date	
19.	Member, NAAC Adv. Council	Member, NAAC Quality Advisory Council (QAC), M.D. University, Rohtak	2017	Till-date	
20.	Member, CIQA	Member, CIQA, M.D. University, Rohtak	2021	Till-date	
21.	Member, CIQA	Member, CIQA, Lovely Professional University (LPU), Punjab	2021	Till-date	
22.	Member, CIQA	Member, CIQA, Kurukshetra University, Kurukshetra	2021	Till-date	
23.	Member, SP & EC	Member, Strategic, Planning & Evaluation Committee, M.D. University, Rohtak	2017	Till-date	

E) (a) Academic/Teaching Experience & responsibilities

S.No.	Post	Organisation/ University	Duration		Experience (In Years & Months)
			From (Date)	To (Date)	
1.	Senior Professor	Dept. of Comp Sc. & Appls., M. D. University, Rohtak	25.11.2018	Till-date	7 Years 09 Months
2.	Professor	Dept. of Comp Sc. & Appls., M. D. University, Rohtak	25.11.2008	24.11.2018	17 Years 06 Months
3.	Reader/Associate Professor	Dept. of Comp Sc. & Appls., M. D. University, Rohtak	06.02.2001	25.11.2008	7 Years 9 Months
4.	Lecturer/Assistant Professor	Dept. of Comp Sc. & Appls., M. D. University, Rohtak	06.02.1990	06.02.2001	11 Years

(b) Participation and contribution in relevant areas in higher education

Honour/Award	Organisation/ University	Area of Specialization
Honored to be a Participant in LEAP – Leadership for Academicians Programme, a flagship programme of MHRD, Govt of India	Organized by IIT, Kharagpur, India (13-24 May 2019) in collaboration with IfM, University of Cambridge, UK (3-7 June, 2019)	LEAP – Leadership for Academicians Programme, a flagship programme of MHRD, Govt of India
Commonwealth Fellow in United Kingdom for year 2001-2002 (Post Doctoral Research as Academic Staff Fellowship)	Brunel University, West London, United Kingdom	Fluid Information Systems/SITE Project/ Component-Based Systems

(c) Involvement with formulation of academic programmes:

S.No.	Nomenclature of Innovative Academic Programmes formulated	Date of Approval by Academic Council	Year of Introduction
1.	Development of 13 MOOCs SWAYAM/ARPIT Course Modules of MHRD, Govt of India under ARPIT/Online Refresher Programmes on Pedagogical Innovations & Research Methodology by NRC G.J. University of Science & Technology, Hisar	Oct. 2018	October 2018 to Feb. 2019

(d) Important MoUs formulated for academic collaborations:

- i) MDU-INFLIBNET iLMS MoU for Online Teaching-Learning

F) International Academic Exposure.

S. No.	Post/Assignment	Organisation/ University	Area of Assignment	Duration		Experience (In Years & Months)
				From (Date)	To (Date)	
1.	Commonwealth Visiting Fellow	Brunel University, West London, United Kingdom	Fluid Information Systems/SITE Project/Component-Based Systems	October 1, 2001	Sept. 30, 2002	One Year
2.	LEAP – Leadership for Academicians Programme, a flagship programme of MHRD, GoI	IIT, Kharagpur, India (13-24 May 2019) in collaboration with IfM, University of Cambridge, UK (3-7 June, 2019)	Leadership for Academicians Programme	May 13, 2019 June 3, 2021	May 24, 2019 June 7, 2021	Three Weeks

G) Honours & Awards

a. Recipient of Commonwealth Fellowship Award

- i. Commonwealth Fellow for the year 2001-2002 (01.10.2001-30.09.2002) and availed Commonwealth Fellowship Award by ACU, London at Brunel University, United Kingdom (U.K.)

b. Honored to be a Participant in LEAP – Leadership for Academicians Programme, a flagship programme of MHRD, Govt of India, organized by IIT, Kharagpur, India (13-24 May 2019) in collaboration with IfM, University of Cambridge, UK (3-7 June, 2019)

c. Best Paper/Article Award by Computer Society of India

- i. In 1994, CSI awarded for contributing best paper titled “*A New Program Complexity Measure*” published in November 1994 issue of ‘CSI Communications’.

d. Best Paper Award in 1st International Conference on Innovations in Data Analytics

- i. For the paper “*A Deep Learning Based Framework for Analysing Stress factors among Working Women*” by C. Gupta, Sangeeta Rao, Nasib Singh

e. Best Paper Presentation Award in the International Conf. – ICISDM- 2023, USA

- i. Best Presentation Award for the paper “*Preserving Users’ Sensitive Data in Physical and Virtual World Using Machine Learning: A Strategy*” authored by Nasib Singh Gill, Preeti Gulia, Amit Sagu, Bharti Goyal in the 7th International Conference on Information System and Data Mining (ICISDM- 2023), held during May 10-12, 2023 in USA.

f. **Appreciation Letter** by Vice-Chancellor, M.D. University, Rohtak in recognition of outstanding contribution as **Convener, IT Support & Event Management, National Youth Festival-2017.**

g. **Certificate of Appreciation** for conducting **All India Essay Writing Event – 2017** organised by **Shri Ram Chandra Mission (SRCM) & United Nations Information Centre(UNIC) for India & Bhutan.**

H) Academic Experience

- 1) Expert on several committees of UGC/AICTE/NAAC of MHRD, Govt of India.
- 2) Subject Expert in several Selection Committees for the selection of faculty in Universities, Colleges and Institutions in State of Haryana and outside.
- 3) Acted as Chief Secrecy Officer/Secrecy Officer in various Entrance Examinations of M.D. University, Rohtak since 1996.
- 4) Empaneled as Resource Person/Expert for subject of Computer Science for EDUSAT programme for state of Haryana.
- 5) Played a pivotal role in Common Syllabi Framing Committee for various UG and PG Programmes of Computer Science in the State of Haryana.
- 6) Chairman & Member of U.G. and P.G. Boards of Studies in Computer Science & Applications, M. D. University, Rohtak.

I) **Ph.D. Thesis Guided & Awarded– Sixteen (16)**

S.No.	Name of Scholar	Month & Year	Title of Thesis
16.	Dr. Chhaya Gupta, Assistant Professor, Vivekananda Institute of Professional Studies-Technical Campus, New Delhi	Feb. 2026	Analysis and Design of Machine/Deep Learning Technique(s) for Object Detection
15.	Dr. Deepti Rani, Assistant Professor, Dept. of Computer Science & Engg., Chandigarh University, Chandigarh	Dec. 2024	Review and Design of Digital Forensic Framework and Protocol(s) for IoT Enabled Smart Environment
14.	Dr. Amit Sagu, Head, Dept. of Computer Science & Engg., MVN University, Palwal, NCR New Delhi	Dec. 2024	Analysis and Design of Machine Learning Techniques for Detection of Security Attacks in IoT Enabled Environment

13.	Dr. Sangeeta Rani, Assistant Professor, Govt. College, Department of Higher Education, Govt of Haryana.	Feb. 2022	Social Networking Sites' Sentiment Classification Using an Ensemble Approach Employing Statistical Feature Selection Methods
12.	Dr. Munisha Devi, Assistant Professor, Vaish College of Engineering, Rohtak, Haryana.	July 2020	Study, Design and Simulate Performance of MANET Routing Protocols in Smart Environment
11.	Dr. Deepti Sehrawat, PGT in Computer Science, Department of Secondary Education, Govt. of Haryana	July 2020	Analysis, Design and Implementation of Security Algorithms for IoT Environment
10.	Dr. Pooja Singh (now Assistant Professor, Dept. of Comp. Sc, Govt. College for Women, Faridabad)	Sept. 2019	Secure and Power-Aware Protocols for Ad Hoc Wireless Networks
9.	Dr. Meenakshi Sharma nee Sridhar (Asstt. Professor, University of Delhi)	Sept. 2018 2018/209	Study and Design of Object Oriented and Component Based Metrics
8.	Dr. Navneet (now Programmer, Krishi Gyan Kender, Rohtak)	June 2017 2017/03	Analysis, Design and Optimization of Classification Techniques for Performance Improvement in Data Mining
7.	Dr. Pooja Mittal (now Associate Professor, Dept. of Comp. Sc. & Appls., M.D. University, Rohtak)	March 2017 2017/220	Comparative Analysis and Design of Data Mining Techniques
6.	Dr. Narender Singh (now Asstt. Professor, Dept. of Comp. Sc., C.R. Memorial Jat College, Hisar)	January 2013	Study and Analysis of aspect-Oriented Requirements Engineering Approaches for Development of Software Systems
5.	Dr. Rajan Gupta (now Associate Professor, School of Information Technology, Vivekanand Institute of Professional Studies, Pitampura, Delhi)	January 2013 2013/155	Analysis and Design of Data Mining Techniques for Prevention and Detection of Financial Frauds
4.	Dr. Sunil Sikka (now Professor, Dept. of Computer Sc. & Engg., Amity University, Gurgaon)	September 2011	Study and Design of Complexity, Fault-Proneness and Reusability Metrics for Object-Oriented Software Systems
3.	Dr. Reena Hooda (now Associate Professor, Dept. of Comp. Sc. & Appls., I.G. University, Meerpur, Rewari)	April 2011 2011/126	Analysis & Development of Data Warehouse and Data Mining Techniques
2.	Dr. Pardeep Tomar (now Asstt. Professor, Dept. of Comp. Sc. & Engg., School of ICT, G.B. University, Greater Noida, U.P.)	Feb 2011 2011/125	Analysis, Design and Development of Component- Based Reusable Models and Testing Processes
1.	Dr. Balkishan (now Associate Professor, Dept. of Comp. Sc. & Appls., M.D. University, Rohtak)	October 2010 2010/122	Study and Design of Component-Based Measures

J) Patents Published/Awarded

S.No	Title of Patent	Name of Inventors	Current Status	Date	Application No./Grant/Published details
1	Deep Compress Video Codec – Video Analytics Friendly Smart Video Compression System	Sangeeta Yadav, Dr. Preeti Gulia, Dr. Nasib Singh Gill	Granted	08/08/2023	Patent No: 443578 Grant Date: 09/08/2023 Application No: 202211006186
2	Hybrid Deep Learning Model for Detection of Security Attacks in IoT Environment	Amit Sagu, Dr. Nasib Singh Gill, Dr. Preeti Gulia	Published	22/07/2022	Application No: 202211040819 A Published on: 22/07/2022 Patent Office Journal No: 29/2022
3	COVIDET – A Novel Hybrid Deep Learning Model for COVID-19 Detection Using Chest X-rays	Chhaya Gupta, Dr. Nasib Singh Gill, Dr. Preeti Gulia	Published	22/07/2022	Application No: 202211041129 A Published on: 22/07/2022 Patent Office Journal No: 29/2022
4	Method to Improve Human Activity Recognition for Enhanced Video Surveillance and Security	Chhaya Gupta, Dr. Nasib Singh Gill, Dr. Preeti Gulia	Published	17/02/2023	Application No: 202311006869 A Published on: 17/02/2023 Patent Office Journal No: 29/2022
5	A system for real-time underwater trash detection using fine-tuned yolov8	Dr. Nasib Singh Gill, Dr. Preeti Gulia, Chhaya Gupta, Sangeeta Yadav	Granted	29/06/2023	German Patent No: 20 2023 103 167 Date: 19/06/2023
6	Method For Digital Image Evidence Encryption for Secure and Temper Proof Digital Forensics in IoT	Deepti Rani, Dr. Nasib Singh Gill, Dr. Preeti Gulia	Granted	16/05/2024	Application No: 202311030951 A Published on: 23/06/2023 Patent Office Journal No: 25/2023
7	A Method To Predict Traffic Congestion in IoT Enabled Smart City	Ayushi Chahal, Dr. Preeti Gulia, Dr. Nasib Singh Gill	Granted (Patent No. 564586)	29/03/2025	Application No: 202311014362 A Published on: 17/03/2023
8	Hybrid Anonymization Technique for Privacy Preservation in Healthcare Sector	Ritu Ratra, Dr. Preeti Gulia, Dr. Nasib Singh Gill	Published	02/09/2022	Application No: 202211048097 A Published on: 02/09/2022 Patent Office Journal No: 35/2022

K) SWAYAM MOOCs DEVELOPMENT

Contribution towards MHRD sponsored Annual Refresher Programme in Teaching (ARPIT) on Pedagogical Innovations & Research Methodology through SWAYAM MOOCs platform organized by National Resource Centre – UGC-HRDC, GJUS&T, Hisar during Nov. 1, 2018-Feb. 28, 2019.

Module	Name of Module	Content Writer	Content Presenter
M-07	Cloud Computing: Technology Supported Pedagogical Innovations	Yes	Yes
M-08	Mobile Computing: Technology Supported Pedagogical Innovations	Yes	Yes
M-09	Personal Learning Environment: Technology Supported Pedagogical Innovations	Yes	Yes
M-10	Hybrid Learning & Web 2.0: Technology Supported Pedagogical Innovations	Yes	Yes
M-15	Utilization of Digital Tools and Techniques	Yes	Yes
M-16	Collaboration and Communication Digital Tools Part-I	Yes	Yes
M-17	Collaboration and Communication Digital Tools Part-II	Yes	Yes
M-19	Course Management Tools	No	Yes
M-20	Digital Assessment Tools	No	Yes

L) Creation of ICT - mediated Teaching Learning Pedagogy, Content Development of Innovative courses and curricula:

Sr.No.	Particulars	Author(s)
1.	Value Added Course on “Ethical Hacking” offered to PG students during Odd semesters since 2022-23 to 2023-24	Coordinators: Dr. Nasib Singh Gill and Dr. Preeti Gulia
2.	MCA 1 st Semester course on “Digital Design and Computer Architecture” offered in Blended/Hybrid mode of learning in since 2021-22 to till-date	Coordinator: Dr. Nasib Singh Gill E-Content Developer and Author
3.	M.Sc..(Computer Sc.) 1 st Semester course on “Computer Organization & Architecture”	Coordinator: Dr. Nasib Singh Gill E-Content Developer and Author
	offered in Blended/Hybrid mode of learning since 2021-22 to till-date	
4.	M.Sc. in Comp Sc. (DS & ML) 1 st Semester course on “Machine Learning and Python Programming” though offered in Physical mode, however, all course resources are accessible 24x7 to all stakeholders 2022-23 to till-date.	Coordinator: Dr. Nasib Singh Gill E-Content Developer and Author

5.	MCA 2 nd Semester course on “Cloud Computing” offered in Blended/Hybrid mode of learning since 2021-22 to till-date.	Coordinator: Dr. Nasib Singh Gill E-Content Developer and Author
6.	M.Sc. in Comp Sc. (DS & ML) 2nd Semester course on “Cloud Computing and IoT” though offered in Physical mode, however, all course resources are accessible 24x7 to all stakeholders 2022-23 to till-date.	Coordinator: Dr. Nasib Singh Gill E-Content Developer and Author

M) MOOCs/e-Contents Development:

S.No.	Particulars	Author(s)
1.	MCA 1 st Semester course on “Digital Design and Computer Architecture” offered in Blended/Hybrid mode of learning in since 2021-22 to till-date	Coordinator: Dr. Nasib Singh Gill E-Content Developer and Author
2.	M.Sc.(Computer Sc.) 1 st Semester course on “Computer Organization & Architecture” offered in Blended/Hybrid mode of learning since 2021-22 to till-date	Coordinator: Dr. Nasib Singh Gill E-Content Developer and Author
3.	M.Sc. in Comp Sc. (DS & ML) 1 st Semester course on “Machine Learning and Python Programming” though offered in Physical mode, however, all course resources are accessible 24x7 to all stakeholders 2022-23 to till-date.	Coordinator: Dr. Nasib Singh Gill E-Content Developer and Author
4.	M.Sc. in Comp Sc. (DS & ML) 1 st Semester course on “Machine Learning and Python Programming” though offered in Physical mode, however, all course resources are accessible 24x7 to all stakeholders 2022-23 to till-date.	Coordinator: Dr. Nasib Singh Gill E-Content Developer and Author
5.	MCA 2 nd Semester course on “Cloud Computing” offered in Blended/Hybrid mode of learning since 2021-22 to till-date.	Coordinator: Dr. Nasib Singh Gill E-Content Developer and Author

N) Published Work (Please see ANNEXURE-I for more details)

sd/-
(Dr. Nasib Singh Gill)

ANNEXURE-I

PUBLISHED WORK

I) BOOKS PUBLISHED

S.No.	Title of Book	ISBN & Pages	Publisher	Year
1	Handbook of Computer Fundamentals	978-93-82609674	Khanna Book Publishing Co.(P) Ltd, New Delhi.	2016
2	Computing Fundamentals and Programming in C	978-93-81068-50-2 Pages: 832	Khanna Book Publishing Co.(P) Ltd, New Delhi.	2014
3	Digital Design and Computer Organisation	978-81-318-0345-5 Pages: 396	University Science Press(An Imprint of Laxmi Publications Pvt. Ltd.)	2008
4	Software Engineering	818732517-8 Pages : 622	Khanna Book Publishing Co.(P) Ltd, New Delhi.	2002
5	Essentials of Computer And Network Technology	81-87522-71-2 Pages: 340	Khanna Book Publishing Co.(P) Ltd, New Delhi.	2000
6	Computer Application to Business (Course book for M.Com. of Directorate of Distance Education)		M.D. University Printing Press	2015
7	Basics of Computer (Course book for B.Com. of Directorate of Distance Education)		M.D. University Printing Press	2015

II. BOOK CHAPTERS PUBLISHED IN EDITED BOOKS

No	Author(s)	Title of the Chapter	Name of Edited Book and Its Category	Year
31	Sangeeta Duhan, Preeti Gulia, Nasib S. Gill,	Exploring Image Augmentation Techniques for Enhanced Deep Learning-based Plant Disease Identification	Innovations in Sustainable Technologies and Computing ISBN No. 978-981-97-7830-0	Dec 2024
30	Chhaya Gupta, Nasib S. Gill, Preeti Gulia	A State-of-the-Art Review of Deep Learning-Based Object Detection Methods	Innovative Computing and Communications Springer ISBN No. 978-981-97-4151-9	Oct 2024
29	Amit Sagu, Nasib Singh Gill, Preeti Gulia and Deepti Rani	Machine Learning Approach for Securing of IoT Environment	Lecture notes in Networks and systems. Springer. ISBN No. - 978-981-99-3315-0	July 2023
28	Chhaya Gupta, Sangeeta, Nasib Singh Gill and Preeti Gulia	A Deep Learning Based Framework For Analyzing Stress Factor Among Working Women	Innovation In Data Analytics. Springer Link. ISBN No. - 978-981-99-0550-8	June 2023

27	Sangeeta, Preeti Gulia and Nasib Singh Gill	Compressed Video Based Classification For Efficient Video Analysis	Video Data Analytics For Smart City Applications: Methods And Trends. Bentham Books, ISBN No. - 978-981-5123-71-5	2023
26	Ayushi Chahal, Preeti Gulia and Nasib Singh Gill	Machine Learning Techniques for IoT Enabled Healthcare Environment	AI Enabled IoT for Smart Healthcare System. Nova Science Publishers. ISBN No. - 978-168507-977-2	August 2022
25	Palak, Sangeeta, Preeti Gulia, Nasib Singh Gill, Jyotir Moy Chatterjee	Metaverse and its Impact on Climate Change	Studies in Big Data Series: The Future of Metaverse in the Virtual Era and Physical World. Springer. ISBN No. - 978-3-031-29131-9	May 2023
24	Rashi Singh, Nasib Singh Gill and Preeti Gulia	The Security of Smart Grid: An Overview	International Chapter Book on Multidisciplinary Subjects for Research-XI. Red'shine Publications. ISBN No. - 978-1-365-59978-1	2021
23	Ayushi Chahal, Preeti Gulia and Nasib Singh Gill	COVID-19 Vaccination Monitoring Using IoT and Machine Learning	Lecture Notes on Data Engineering and Communications Technologies. Springer. ISBN No. - 978-981-16-6289-8	January 2022
22	Nasib Singh Gill	Enterprise Information Systems in 21 st Century: Opportunities and Challenges	Invited Chapter in Book: Enterprise Information Systems in 21 st Century: Opportunities and Challenges, Editors - Balram Dogra, et.al pp. 3-14, 2009 ISBN No. - 978-81-8450-183-4	2009
21	Gill N.S. and Dabas K.C.	Understanding the Essentials of TQM For Library And Information Management in Academic Settings	Chapter 1 of the book <i>"Quality Management in Libraries"</i> by K.C. Dabas, Ess Ess Publications, New Delhi, 2008, pp. 3-8.	2008
20	Gill N.S. and Dabas K.C.	Managing Quality in University Library for Sustainable Library Management	Chapter 4 of the book <i>"Quality Management in Libraries"</i> by K.C. Dabas, Ess Ess Publications, New Delhi, 2008, pp. 47-52.	2008
19	Gill N.S. and Dabas K.C.	TQM and Reengineering for Library Services: MDUL Style	Chapter 5 of the book <i>"Quality Management in Libraries"</i> by K.C. Dabas, Ess Ess Publications, New Delhi, 2008, pp. 64-78.	2008
18	Gill N.S. and Dabas K.C.	Empowering Library Employees With Knowledge, Skills, Dignity and Attitudes: Some Experiences, Observations and Realizations	Chapter 14 of the book <i>"Quality Management in Libraries"</i> by K.C. Dabas, Ess Ess Publications, New Delhi, 2008, pp. 212-225.	2008
17	Gill N.S. and Dabas K.C.	Changed Roles and Responsibilities of Information Professionals	Chapter 16 of the book <i>"Quality Management in Libraries"</i> by K.C. Dabas, Ess Ess Publications, New Delhi, 2008, pp. 242-249.	2008

16	Gill N.S. and Dabas K.C.	Impact of Information Technology on Social Development	Chapter 3 of the book “IT Applications for TQM and Library Marketing” by K.C. Dabas, Ess Ess Publications, New Delhi, 2008, pp. 32-50.	Dec 2008
15	Gill N.S. and Dabas K.C.	Knowledge Management: An Overview, Exploration and Implementation in University Libraries	Chapter 5 of the book “IT Applications for TQM and Library Marketing” by K.C. Dabas, Ess Ess Publications, New Delhi, 2008, pp. 67-83.	Dec 2008
14	Gill N.S. and Dabas K.C.	Accessibility of Information Through Information Systems And Services: An Agenda	Chapter 6 of the book “IT Applications for TQM and Library Marketing” by K.C. Dabas, Ess Ess Publications, New Delhi, 2008, pp. 87-89.	Dec 2008
13	Gill N.S. and Dabas K.C.	Internet for Libraries: Need of the Hour	Chapter 7 of the book “IT Applications for TQM and Library Marketing” by K.C. Dabas, Ess Ess Publications, New Delhi, 2008, pp. 92-108.	Dec 2008
12	Gill N.S. and Dabas K.C.	Interneting University Libraries: Some Reflections From Better World	Chapter 8 of the book “IT Applications for TQM and Library Marketing” by K.C. Dabas, Ess Ess Publications, New Delhi, 2008, pp. 109-120.	Dec 2008
11	Gill N.S. and Dabas K.C.	Intranet: Its Emergence And Usefulness	Chapter 9 of the book “IT Applications for TQM and Library Marketing” by K.C. Dabas, Ess Ess Publications, New Delhi, 2008, pp. 121-134.	Dec 2008
10	Gill N.S. and Dabas K.C.	CD-ROM Networking in Libraries: Need of the Hour	Chapter 10 of the book “IT Applications for TQM and Library Marketing” by K.C. Dabas, Ess Ess Publications, New Delhi, 2008, pp.135-148.	Dec 2008
09	Gill N.S. and Dabas K.C.	Appropriate Technology for Qualitative and Sustainable Librarianship	Chapter 11 of the book “IT Applications for TQM and Library Marketing” by K.C. Dabas, Ess Ess Publications, New Delhi, 2008, pp. 151-165.	Dec 2008
08	Gill N.S. and Dabas K.C.	Automation Scenario in University Libraries: A Study of Some Selected Libraries	Chapter 12 of the book “IT Applications for TQM and Library Marketing” by K.C. Dabas, Ess Ess Publications, New Delhi, 2008, pp. 121-134.	Dec 2008
07	Gill N.S. and Dabas K.C.	Library Computer Network Security: Few Guidelines	Chapter 13 of the book “IT Applications for TQM and Library Marketing” by K.C. Dabas, Ess Ess Publications, New Delhi, 2008, pp. 194-198.	Dec 2008
06	Gill N.S. and Dabas K.C.	Digital Libraries: Its Emergence and Challenges	Chapter 14 of the book “IT Applications for TQM and Library Marketing” by K.C. Dabas, Ess Ess Publications, New Delhi, 2008, pp. 200-209.	Dec 2008

05	Gill N.S.	Emerging Opportunities & Challenges of Information Superhighway	Chapter-5 in book <i>“Approaches to Modern Librarianship”</i> , Sanjay Prakashan, New Delhi, 2006, pp. 115-137.	2006
04	Gill N.S.	Emerging Trends of Digital Libraries	Chapter-5 in book <i>“Advances in Library and Information Science”</i> Volume 5 (Digital Library), Scientific Publishers (India), 2005, pp. 55-71.	2005
03	Gill N.S. and Dabas K.C.	Perspective on Human Resource Development: An Agenda For Library And Information Staff	S.D. Vyas et. al (Eds): <i>Readings in Library and Information Science: Festschrift S.P. Sood</i> . Jaipur, 2000, pp. 99-104	2000
02	Gill N.S.	Exploitation of IT Potentials For Automation of Offices	Invited Paper for a <i>Volume of Book on Higher Education</i> by Prof. V.T. Patil, Karnatak Univ., Dharwad.	
01	Gill N.S., Grover P.S., Singh R.	Measuring Software Systems	<i>‘Operations Research: Theory and Practice’</i> , SPANIEL Publishers, New Delhi, 1994, pp. 71-93.	1994

III) RESEARCH PAPERS/ARTICLES PUBLISHED

A) International/National Journals

2026

1. Bharti Goyal, Nasib Singh Gill, Preeti Gulia, et al. (May, 2026), "**Deep learning with optimization for social media fake profile detection**", *Social Network Analysis and Mining*. [DOI: 10.1007/s13278-026-01586-4] [SCI, SCOPUS, IF-3.2]
2. Sangeeta Duhan, Preeti Gulia, Nasib Singh Gill et al.(April, 2026), "**A Comprehensive Review of Image Segmentation Techniques for Plant Disease Detection in Precision Agriculture: Models, Trends, and Challenges**", *Archives of Computational Methods in Engineering*, ISSN: 1886-1784. DOI: 10.1007/s11831-026-10582-y. [SCIE,SCOPUS][IF:12.9] Q1 Journal
3. Ashish Saini, Nasib Singh Gill, Preeti Gulia et al.(April,2026), "**An Empirical study for Image Denoising and Image Quality Enhancement: a Challenging Overview**", *International Journal of Computational Intelligence Systems* ISSN 1875-6883. [DOI: [10.1007/s44196-026-01282-3](https://doi.org/10.1007/s44196-026-01282-3)] [SCIE,SCOPUS][IF:4.0]
4. Chhaya Gupta, Nasib Singh Gill, Preeti Gulia et al.(April, 2026), "**An efficient hybrid federated learning framework for pneumonia diagnosis with proximal optimization**", *BioData Mining* ISSN: 1756-0381. . [DOI: [10.1186/s13040-026-00543-3](https://doi.org/10.1186/s13040-026-00543-3)] [SCIE,SCOPUS][IF:7.9] Q1 Journal
5. Ashish Saini, Nasib Singh Gill, Preeti Gulia et al.(March,2026), "**Leveraging haze-aware features for improved image clarity and detection accuracy with an optimized DCNN-YOLOv8 network**", *Scientific Reports* ISSN 2045-2322 (online). [DOI: [10.1038/s41598-026-38265-5](https://doi.org/10.1038/s41598-026-38265-5)] [SCIE,SCOPUS][IF:4.9] Q1 Journal
6. Sangeeta Duhan, Preeti Gulia, Nasib Singh Gill et al.(February,2026), "**Evaluation of Lightweight and Efficient deep learning models for plant disease classification**", *Discover Internet of Things*, Volume 6, article number 43, [DOI:[10.1007/s43926-026-00310-0](https://doi.org/10.1007/s43926-026-00310-0)] [SCOPUS]

7. Preety Chaudhary, Preeti Gulia, Nasib Singh Gill et al.(February,2026), “**An Evaluation of Machine Learning for soil Analysis in Internet of Things-enabled Smart Farming**”, *Scientific Reports*, ISSN 2045-2322 (online) Article Number: 10318 [DOI: 10.1038/s41598-026-36017-z] [SCIE, SCOPUS, **IF-4.9**] **Q1 Journal**
8. Amit Sagu, Nasib Singh Gill, Preeti Gulia et al.(January,2026), “**Scalable and Interpretable Deep Learning-Based Intrusion Detection Framework for Secure Internet of Things Networks**”, *Security and Privacy* <https://doi.org/10.1002/spy2.70179>, ISSN:2475-6725[SCIE,ESCI, SCOPUS] [**IF:2.1**]
9. Deepak Kaushik, Preeti Gulia, Nasib Singh Gill et al.(January,2026) , “**Synergizing blockchain and AI to fortify IoT security: A Comprehensive Review**”, *Artificial Intelligence Review* vol. 59, 41. <https://doi.org/10.1007/s10462-025-11434-0> ISSN: 0269-2821, [SCIE,SCOPUS][**IF:13.9**]

2025

10. Aarti Punia, Preeti Gulia, Nasib Singh Gill et al.(December, 2025) , “**An Access control system for cloud-based healthcare systems driven by blockchain**, *Journal of Cloud Computing*, vol. 14, 78, <https://doi.org/10.1186/s13677-025-00831-z>, ISSN: 2192-113X[SCIE,SCOPUS][**IF:4.3**]
11. Rashi Singh, Nasib Singh Gill, Preeti Gulia (November,2025), “**Attentional LSTM-ensemble architecture for intrusion detection in smart grids**”, *Scientific Reports*, vol. 15, 41977, <https://doi.org/10.1038/s41598-025-25992-4>, ISSN 2045-2322 (online)[SCIE,SCOPUS][**IF:3.9**]
12. Chhaya Gupta, Nasib Singh Gill, Preeti Gulia et al.(November,2025), “**Deep Vision in Agriculture: Assessing the function of YOLO in the classification of Plant Leaf Diseases(PLDs)**”, *BioData Mining*, vol. 18, 91 . <https://doi.org/10.1186/s13040-025-00497-y> ISSN:1756-0381, [SCIE,SCOPUS][**IF:6.1**]
13. Chhaya Gupta, Nasib Singh Gill, Preeti Gulia et al. (November 2025), “**A multimodal fusion model for real-time environment emotion recognition using audio-visual-textual features**”, *Journal of Big Data*, vol. 12, article 256, DOI: 10.1186/s40537-025-01300-9. [SCIE, SCOPUS] [**IF-6.4**]
14. Chhaya Gupta, Nasib Singh Gill, Preeti Gulia, Sangeeta Duhan et al. (12 November 2025), “**An enhanced deep learning-based framework for diagnosing apple leaf diseases**”, *Scientific Reports*, vol. 15, article 39699, DOI: 10.1038/s41598-025-23272-9. [SCIE, SCOPUS] [**IF-3.9**]
15. Aayushi Chahal, Chhaya Gupta, Nasib Singh Gill, Preeti Gulia et al. (November 2025), “**A Federated Learning-Based Traffic Congestion and Fuel Monitoring**”, *Neural Processing Letters*, vol. 57, no. 6, Nov. 2025, DOI: 10.1007/s11063-025-11811-4. [SCIE, SCOPUS] [**IF-2.8**]
16. Preety Chaudhary, Preeti Gulia, Nasib Singh Gill (November 2025), “**Machine Learning and IoT for Smart Agriculture: A Comprehensive review**”, *International Journal of Basic and Applied Sciences*, vol. 14, no. 7, Nov. 2025, pp. 187–198, DOI: 10.14419/8fb5k746. [SCOPUS]
17. Deepak Sharma, Preeti Gulia, Nasib Singh Gill et al. (November 2025), “**Applying stacked ensemble methods to predict future rainfall based on historical weather data**”, *Theoretical and Applied Climatology*, vol. 156, no. 11, Nov. 2025, DOI: 10.1007/s00704-025-05764-w. [SCIE, SCOPUS] [**IF-2.7**]
18. Sangeeta Duhan, Preeti Gulia, Nasib Singh Gill et al. (October 2025), “**LiteCShuffle: a lightweight and efficient deep learning approach for plant disease classification**”, *Cogent Food & Agriculture*, vol. 11, no. 1, Oct. 2025, DOI: 10.1080/23311932.2025.2568197. [SCIE,

SCOPUS] [IF-2.3]

19. Chhaya Gupta, Nasib Singh Gill, Preeti Gulia et al. (October 2025), “**CODNet: Context-based object detection network for multimodal image captioning and virtual question answering**”, *Image and Vision Computing*, vol. 163, Oct. 2025, article 105768, DOI: 10.1016/j.imavis.2025.105768. [SCIE, SCOPUS] [IF-4.2]
20. Chhaya Gupta, Nasib Singh Gill, Preeti Gulia et al. (September 2025), “**An optimized YOLO NAS based framework for real time object detection**”, *Scientific Reports*, vol. 15, no. 1, Sept. 2025, article 32903, DOI: 10.1038/s41598-025-17919-w. [SCIE, SCOPUS] [IF-3.9]
21. Bharti Goyal, Nasib Singh Gill, Preeti Gulia et al. (July 2025), “**Instagram fake profile detection using an ensemble learning method**”, *Scientific Reports*, vol. 15, no. 1, July 2025, article 26464, DOI: 10.1038/s41598-025-03973-x. [SCIE, SCOPUS] [IF-3.9]
22. Chhaya Gupta, Nasib Singh Gill, Preeti Gulia et al. (July 2025), “**Surface defect detection on bolt surface using a real-time fine-tuned YOLOv6 model**”, *Journal of Big Data*, vol. 12, no. 1, July 2025, DOI: 10.1186/s40537-025-01226-2. [SCIE, SCOPUS] [IF-6.4]
23. Aarti Punia, Preeti Gulia, Nasib Singh Gill et al. (July 2025), “**QuickMedBlock: A framework for enhanced attribute-based access control using blockchain for EHR in cloud**”, *Peer-to-Peer Networking and Applications*, vol. 18, no. 5, July 2025, DOI: 10.1007/s12083-025-02063-z. [SCIE, SCOPUS] [IF-2.6]
24. Ashish Saini, Nasib Singh Gill, Preeti Gulia, and Khushwant Singh (June 2025), “**A hierarchical multi-class classification system for face and text datasets**”, *Frontiers in Computer Science*, vol. 7, article 1550453, DOI: 10.3389/fcomp.2025.1550453, ISSN 2624-9898 (online) [ESCI, SCOPUS] [IF-2.7]
25. Aarti Punia, Preeti Gulia, Nasib Singh Gill et al. (May 2025), “**The security and vulnerability issues of blockchain technology: A SWOC analysis**”, *Peer-to-Peer Networking and Applications*, vol. 18(4), pp. 1–31, DOI: [10.1007/s12083-025-01981-2](https://doi.org/10.1007/s12083-025-01981-2) ISSN: 1936-6450 (online)[SCIE, SCOPUS] [IF-3.3]
26. Amit Sagu, Nasib Singh Gill, Preeti Gulia et al. (May 2025), “**Advances to IoT security using a GRU-CNN deep learning model trained on SUCMO algorithm**”, *Scientific Reports*, vol. 15(1), pp. 1–16, DOI: [10.1038/s41598-025-99574-9](https://doi.org/10.1038/s41598-025-99574-9), ISSN 2045-2322 (online) [SCIE, SCOPUS] [IF-3.8]
27. Ritu Ratra, Preeti Gulia, Nasib Singh Gill et al. (April 2025), “**A technique for improving healthcare privacy by applying principal component analysis**”, *Peer-to-Peer Networking and Applications*, vol. 18(1), article 151, DOI: [10.1007/s12083-025-01948-3](https://doi.org/10.1007/s12083-025-01948-3), ISSN 1936-6450 (online) [SCIE, SCOPUS] [IF-3.3]
28. Rahul, Preeti Gulia, and Nasib Singh Gill (April 2025), “**Articulation of blockchain enabled e-voting systems: a systematic literature review**”, *Peer-to-Peer Networking and Applications*, vol. 18(1), article 142, DOI: [10.1007/s12083-025-01956-3](https://doi.org/10.1007/s12083-025-01956-3), ISSN 1936-6450 (online) [SCIE, SCOPUS] [IF-3.3]
29. Ayushi Chahal, Preeti Gulia, Nasib Singh Gill, and Deepti Rani (February 2025), “**Design of a Federated Ensemble Model for Intrusion Detection in Distributed IIoT Networks for Enhancing Cybersecurity**”, *Journal of Industrial Information Integration*, vol. 44, article 100800, DOI: 10.1016/j.jii.2025.100800, ISSN 2452-414X (online) [SCIE, SCOPUS] [IF-11.6]
30. Sangeeta Duhan, Preeti Gulia, Nasib Singh Gill, and Ekta Narwal (February 2025), “**RTR_Lite_MobileNetV2: A Lightweight and Efficient Model for Plant Disease Detection and Classification**”, *Current Plant Biology*, vol. 33, article 100459, DOI: [10.1016/j.cpb.2025.100459](https://doi.org/10.1016/j.cpb.2025.100459), ISSN 2214-6628 (online) [ESCI, SCOPUS] [IF-4.5]
31. Chhaya Gupta, Nasib Singh Gill, Preeti Gulia et. al (January, 2025), “**Applying YOLOv6 as**

an ensemble federated learning framework to classify breast cancer pathology images”, *Scientific Reports*, vol. 15(1), DOI: [10.1038/s41598-024-80187-7](https://doi.org/10.1038/s41598-024-80187-7) ISSN 2045-2322 (online) [SCIE, SCOPUS] [IF-3.8]

32. Ashish Saini, Nasib Singh Gill, Preeti Gulia et. al (January, 2025),”**Smart crop disease monitoring system in IoT using optimization enabled deep residual network”** *Scientific Reports*, vol. 15(1), DOI:[10.1038/s41598-025-85486-1](https://doi.org/10.1038/s41598-025-85486-1) ISSN 2045-2322 (online) [SCIE, SCOPUS] [IF-3.8]

2024

33. Deepti Rani, Nasib Singh Gill, Preeti Gulia et. al (December, 2024), “**A secure digital evidence preservation system for an IoT-enabled smart environment using IPFS, blockchain, and smart contracts**”, *Peer-to-Peer Networking and Applications*, vol. 18(2), DOI: [10.1007/s12083-024-01855-z](https://doi.org/10.1007/s12083-024-01855-z) Electronic ISSN: 1936-6450. Print ISSN: 1936-6442. [SCIE, SCOPUS] [IF-3.3]
34. Bharti Goyal, Nasib Singh Gill, Preeti Gulia (December, 2024), **Securing social spaces: machine learning techniques for fake profile detection on Instagram**”, *Social Network Analysis and Mining*, vol. 14(1), DOI: [10.1007/s13278-024-01399-3](https://doi.org/10.1007/s13278-024-01399-3) E-ISSN:1869-5469 [SCIE, SCOPUS] [IF-2.3]
35. Ayushi Chahal, Preeti Gulia, Nasib S. Gill et. al (November, 2024), “**Predictive Analytics Technique based on hybrid Sampling to manage Unbalanced Data in Smart Cities**” *Heliyon*, DOI: [10.1016/j.heliyon.2024.e39275](https://doi.org/10.1016/j.heliyon.2024.e39275) E-ISSN 2405-8440. [SCIE, SCOPUS] [IF-3.4]
36. Aarti Punia, Preeti Gulia, Nasib S. Gill and others (Sept., 2024), “**A Systematic Review on Blockchain-based Access Control Systems in Cloud Environment**”, *Journal of Cloud Computing*, Volume 13(146), pp. 1-37 <https://doi.org/10.1186/s13677-024-00697-7> [SCIE, SCOPUS, UGC-CARE Listed, IF-3.7]
37. Nisha, Nasib S. Gill, Preeti Gulia (July, 2024), “**A Review of Intrusion Detection System and Security Threat in Internet of Things enabled environment**”, *International Journal of Electrical Engineering and Computer Science*, Volume 35(1), pp. 428-435 <http://doi.org/10.11591/ijeecs.v35.i1.pp428-435> [UGC-CARE Listed, IF-3.7]
38. Ayushi Chahal, Preeti Gulia, Nasib S. Gill, (June, 2024), “**Systematic Analysis based on Conflux of Machine Learning and Internet of Things using Bibliometric analysis**”, *Journal of Intelligent Systems and Internet of Things*, Volume 13(1), pp. 196-224, DOI: [10.54216/JISIoT.130115](https://doi.org/10.54216/JISIoT.130115) [SCOPUS]
39. Chhaya Gupta, Nasib S. Gill, Preeti Gulia (June, 2024), “**A Novel Secured Deep Learning model for Covid Detection using Chest X-Rays**”, *Journal of Cyber Security and Information Management*, Volume 14(1), pp. 227-244, DOI: [10.54216/JCIM.140116](https://doi.org/10.54216/JCIM.140116) [SCOPUS]
40. Chhaya Gupta, Nasib S. Gill, Preeti Gulia (June, 2024), “**An Ensemble Machine Learning Method for Analyzing various Medical Datasets**”, *Journal of Intelligent Systems and Internet of Things*, Volume 13(1), pp. 177-195, DOI: [10.54216/JISIoT.130114](https://doi.org/10.54216/JISIoT.130114) [SCOPUS]
41. Sangeeta Duhan, Preeti Gulia, Nasib S. Gill,(April, 2024), “**Investigating Attention Mechanisms for Plant Disease Identification in Challenging Environments**”, *Heliyon*, Volume 10(9), <http://dx.doi.org/10.1016/j.heliyon.2024.e29802> [SCIE, SCOPUS, IF-3.4]

42. Sangeeta Duhan, Preeti Gulia, Nasib S. Gill,(March, 2024), “**Analysis to investigate Plant Disease Identification based on Machine Learning techniques**”, Volume 41(8), <https://doi.org/10.1111/exsy.13576> [SCIE, SCOPUS, IF-3.0]
43. Gupta C, Gill Nasib Singh, Gulia, P et al. (March, 2024), "A Novel Finetuned YOLOv8 Model for Real-Time Underwater Trash Detection", Journal of Real Time Image Processing, Volume 21(2), <https://doi.org/10.1007/s11554-024-01439-3> [SCIE, SCOPUS, IF-2.9]
44. Sangeeta, Gulia, P., Gill Nasib Singh et.al (March, 2024), “**Video Compression-cum-Classification Network for Classification from Compressed Video Streams**”, The Visual Computer, <https://doi.org/10.1007/s00371-023-03242-w> [SCIE, SCOPUS, IF-3.0]
45. Amit Sagu, Nasib Singh Gill and Preeti Gulia, J.M. Chatterjee (February, 2024), “**Hybrid Optimization Algorithm for detection of Security Attacks in IoT enabled Cyber-Physical Systems**, IEEE Transaction on Big Data [SCIE, Scopus, UGC-Care Listed] (Impact Factor: 7.5).
46. Sangeeta, Gulia, P., Gill Nasib Singh et al. (February, 2024), "An Analysis to Investigate Plant Disease Identification based on Machine Learning techniques", Expert Systems, (<https://onlinelibrary.wiley.com/doi/abs/10.1111/exsy.13382>) [SCIE, SCOPUS, IF-2.812]
47. Deepak, Gulia, P., Gill Nasib Singh et al. (February, 2024), "Exploring the Potential of Blockchain Technology in an IoT-Enabled Environment: A Review", IEEE Access, DOI: 10.1109/ACCESS.2023.3276863 [SCIE, SCOPUS, IF-3.9]
48. Gupta C, Gill Nasib Singh, Gulia, P, Chatterjee, J.M. (February,2024), “ A Novel Fine-tuned YOLOv8 model for Real-time Underwater Trash Detection”, Journal of Real-Time Image Processing, doi: 10.1007/s11554-023-01299-3 [SCIE,SCOPUS, IF: 2.293]
49. Nisha, Gill Nasib Singh, Preeti Gulia (February, 2024), "A Review of Intrusion Detection System and Security Threats in IoT Enabled Environment", Indonesian Journal of Electrical Engineering and Computer Science [SCOPUS]
50. Nisha, Gill Nasib Singh, Preeti Gulia (January, 2024), "A Review on Machine Learning based Intrusion Detection System for IoT Enabled Environment", International Journal of Electrical and Computer Engineering [SCOPUS]
51. Deepti Rani, Gill Nasib Singh, Preeti Gulia (January, 2024), “A Forensic Framework to Improve Digital Image Evidence Administration in IIoT”, *Journal of Industrial Information Integration*, 38 (2024), pp. 1-30. <https://doi.org/10.1016/j.jii.2024.100568> [SCIE, SCOPUS, IF-15.7]
52. Chahal, A, Gulia, P., Gill Nasib Singh, Nishat Sultana. (January, 2024), “**Aquila Optimizer-Based Hybrid Predictive Model for Traffic Congestion in an IoT-Enabled Smart City**” International Journal of Intelligent Systems, Volume 2024, Article ID 5577278, pages 1-20. <https://doi.org/10.1155/2024/5577278> [SCIE, SCOPUS, IF: 8.992]
53. Sangeeta Yadav, Preeti Gulia, Nasib Singh *et al.* (January, 2024), "Design of a Lightweight Compressed video stream-based Patient Activity Monitoring System", *CMC: Computer*,

Material, Continua, vol. 78, no.1, pp. 1253–1274, 2024. DOI - 10.1109/OJCS.2023.3334528 (SCIE, SCOPUS, UGC-CARE LIST), IF: 3.86

2023

54. Chhaya Gupta Gill Nasib Singh, Preeti Gulia, Fabio Arena, Giovanni Pau et al. (November, 2023), “**A Real-time 3-Dimensional Object Detection Based Human Action Recognition Model**”, *IEEE Open Journal of the Computer Society*, pp 1-12, ISSN- 2644-1268 (SCIE, SCOPUS, UGC-CARE LIST), IF: 5.9.
55. Ritu Ratra, Preeti Gulia, Nasib Singh (October, 2023), “**Performance analysis of perturbation-based privacy preserving techniques: an experimental perspective**”, *International Journal of Electrical and Computer Engineering (IJECE)*, 5273-5282, ISSN - 2088-8708. (SCOPUS, UGC- CARELIST) DOI: 10.11591/ijece.v13i5.pp5273-5281
56. Sangeeta Yadav, Preeti Gulia, Nasib Singh et al. (Oct, 2023), “**Video Object Detection From Compressed Formats for Modern Lightweight Consumer Electronics**”, *IEEE Transactions on Consumer Electronics*, ISSN- 1558-4127. DOI: 10.1109/TCE.2023.3325480. (SCIE, SCOPUS, UGC-CARE LIST), IF: 4.4
57. Deepti Rani, Gill Nasib Singh, Preeti Gulia, Fabio Arena, Giovanni Pau (June, 2023), “**Design of an Intrusion Detection Model for IoT-Enabled Smart Home**”, *IEEE Access*, Vol. 11, pp. 52509-52526, DOI: 10.1109/ACCESS.2023.3276863 [SCIE, SCOPUS, IF-3.476]
58. Sangeeta, Gulia, P., Gill Nasib Singh et.al (June, 2023), “**Object detection and classification from compressed video streams**”, *Expert Systems*, pp. 1-14 (<https://onlinelibrary.wiley.com/doi/abs/10.1111/exsy.13382>) [SCIE, SCOPUS, IF-2.812]
59. Bharti B., Gill Nasib Singh and Gulia P. (June, 2023), “**Exploring machine learning techniques for fake profile detection in online social networks**”, *International Journal of Electrical and Computer Engineering (IJECE)*. [ESCI, SCOPUS, IF-0.376]
60. Saini, A., Gill Nasib Singh, Gulia, P. (May, 2023), “**Gray scale image denoising technique using regression based residual learning**”, *Multimedia Tools and Applications*, <https://doi.org/10.1007/s11042-023-15603-7> [SCI, SCOPUS, IF: 2.757]
61. Ritu Ratra, Preeti Gulia, Nasib Singh Gill (2023), “**Performance analysis of perturbation-based privacy preserving techniques: an experimental perspective**”, *International Journal of Electrical and Computer Engineering (IJECE)*, Vol. 13, No. 5, pp. 5273~5281ISSN: 2088-8708, DOI: 10.11591/ijece.v13i5.pp5273-5281 [ESCI, SCOPUS, IF-0.376]
62. Gupta C, Gill Nasib Singh, Gulia, P, Chatterjee, J.M. (April, 2023), “**A Novel Fine-tuned YOLOv6 transfer learning model for real-time object detection**”, *Journal of Real-Time Image Processing*, Vol. 20, no. 3, doi: 10.1007/s11554-023-01299-3 [SCIE,SCOPUS, IF: 2.293]

63. Chahal, A, Gulia, P., Gill Nasib Singh, Priyadarshini, I. (April, 2023), “**A Hybrid Univariate Traffic Congestion Prediction Model for IoT-Enabled Smart City**”, *Information*, Vol. 14, p.268, <https://doi.org/10.3390/info14050268> [SCIE, SCOPUS, IF: 3.1]
64. Sagu A., Gill Nasib Singh, Gulia P., Singh P. K., and Hong W. C., (Jan, 2023) “**Design of Metaheuristic Optimization Algorithms for Deep Learning Model for Secure IoT Environment**”, *Sustainability*, vol. 15, no. 3, Art. no. 3, Jan. 2023, doi: 10.3390/su15032204.[SCIE, SCOPUS, IF-3.889]

2022

65. Sagu A., Gill Nasib Singh, Gulia P., Chatterjee J. M., and Priyadarshini I. (Oct, 2022), “**A Hybrid Deep Learning Model with Self-Improved Optimization Algorithm for Detection of Security Attacks in IoT Environment**”, *Future Internet*, Vol. 14, no. 10, doi: 10.3390/fi14100301. [SCIE, SCOPUS, IF-3.4]
66. Sangeeta, Preeti Gulia, Nasib Singh Gill (August, 2022), “**Flow-MotionNet: A Deep Learning based Video Compression Architecture**”, *Multimedia Tools and Applications* [SCI, Scopus, UGC-Care Indexed] (Impact Factor: 2.757)
67. Ritu Ratra, Preeti Gulia, Nasib Singh Gill, J.M. Chatterjee (August, 2022), “**Big Data Privacy Preserving using Principal Component Analysis and Random Projection in Healthcare**”, *Mathematical Problem In Engineering*, E-ISSN 1024-123X, [SCIE, Scopus, UGC-Care Listed] (Impact Factor: 1.23).
68. A. Chahal, P. Gulia, Nasib Singh Gill, J.M. Chatterjee (August, 2022), “**Performance analysis of an optimized ANN model to predict the stability of Smart Grid**”, *Complexity*, [SCIE, Scopus, UGC-Care Listed] (Impact Factor: 2.121)
69. Deepti Rani, Nasib Singh Gill and Preeti Gulia (July, 2022), “**Classification of Security Issues and Cyber Attacks in Layered Internet of Things**”, *Journal of Theoretical and Applied Information Technology*, Vol. 100, Issue-13 pp. 4895-4913, ISSN: 1992-8645, E-ISSN: 1817-3195[Scopus, UGC-Care Indexed]
70. Chhaya Gupta, Nasib Singh Gill and Preeti Gulia (July 2022), “**SSDT : Distance Tracking Model Based on Deep Learning**”, *International Journal of Electrical and Computer Engineering Systems*, Vol. 13, no. 5, pp. 339–348, ISSN: 1847-6996, **Impact Factor - 0.684**. [ESCI, SCOPUS INDEXED] DOI: 10.32985/ijeces.13.5.2
URL: <https://ijeces.ferit.hr/index.php/ijeces/article/view/1031>
71. Sangeeta, Preeti Gulia, Nasib Singh Gill (May, 2022), “**Flow incorporated Neural Network based Lightweight Video Compression Architecture**”, *Indonesian Journal of Electrical Engineering and Computer Science* [Scopus, UGC-Care Indexed] <https://ijeecs.iaescore.com/index.php/IJEECS/article/view/24641>
72. Amit Sagu, Nasib Singh Gill and Preeti Gulia, J.M. Chatterjee (July, 2022), “**Design and Implementation of Hybrid Optimization Algorithm for Detection of Security Attacks in IoT Enabled Environment**”, *Wireless Communications and Mobile Computing*, ISSN: 1530-8677, [SCIE, Scopus, UGC-Care Listed] (Impact Factor: 2.557).

73. Deepti Rani, Nasib Singh Gill and Preeti Gulia, J.M. Chatterjee (May, 2022), “**An Ensemble-Based Multiclass Classifier for Intrusion Detection Using Internet of Things**”, *Computational Intelligence and Neuroscience* [SCIE, Scopus, UGC-Care Listed] (Impact Factor: 3.120)
74. Rashmi Singh, Nasib Singh Gill and Preeti Gulia (April, 2022), “**A Comparative Performance Analysis of Modeling and Simulation tools for Smart Grid**”, *International Journal of Engineering Trends and Technology*, Vol.70, Issue-4, pp:332-342. [Scopus, UGC-Care Listed]
75. Sangeeta, Preeti Gulia, Nasib Singh Gill, J. M. Chatterjee (April, 2022), “**A real-Time Crowd Monitoring and Management System for Social Distance Classification and Healthcare using Deep Learning**”, *Journal of Healthcare Engineering*, Vol. 2022, ISSN: 2231-5381 (SCIE Indexed, SCOPUS Indexed)
76. Ayushi, Preeti Gulia, Nasib Singh Gill (February, 2022), “**Different Analytical Frameworks and Big Data Models for IoT**”, *Indonesian Journal of Electrical Engineering and Computer Science (IJECS)*, Vol. 25, no.2, pp. 1159-1166 (SCOPUS Indexed, UGC CARE Listed).
77. Ritu Ratra, Preeti Gulia, Nasib Singh Gill (February, 2022). “**Evaluation of Re-Identification Risk using Anonymization and Differential Privacy in Healthcare**”, *International Journal of Advanced Computer Science and Applications (IJACSA)*, Vol. 13(2), pp. 563-570, (WoS (Thomson Reuter Listed), SCOPUS Indexed, UGC CARE listed)
78. Deepti Rani, Nasib Singh Gill and Preeti Gulia (January, 2022), “**Design of a Cloud-Blockchain-based Secure Internet of Things Architecture**”, *International Journal of Advanced Computer Science and Applications* 13(8) DOI:10.14569/IJACSA.2022.0130851 [SCIE, SCOPUS, IF- 0.9]
79. Amit Sagu, Nasib Singh Gill and Preeti Gulia (January, 2022). “**Hybrid Deep Neural Network Model for Detection of Security Attacks in IoT Enabled Environment**”, *International Journal of Advanced Computer Science and Applications (IJACSA)*, Vol. 13(1), pp. 120-127, (WoS (Thomson Reuter Listed), SCOPUS Indexed, UGC CARE listed)

2021

80. Rashmi Singh, Nasib Singh Gill (December, 2021), “**A Systematic Review of Security in Smart Grid Infrastructure**”, *Journal of Theoretical and Applied Information Technology*, Vol. 99(23), pp. 5701-5712, ISSN:1992-8645 [Scopus, UGC-CARE listed]
81. Palak, Preeti Gulia, Nasib Singh Gill (July 2021), “**Hybrid Swarm Intelligence - Based Software Testing Techniques for Improving Quality of Component Based Software**”, *Indonesian Journal of Electrical Engineering and Computer Science (IJECS)*, Vol. 22, No. 3. (SCOPUS Indexed, UGC CARE Listed).
82. Sangeeta, Preeti Gulia, Nasib Singh Gill (2021). “**Comprehensive Analysis of Flow incorporated Neural Network based Lightweight Video Compression Architecture**”, *International Journal of Advanced Computer Science and Applications*, Vol. 12, issue 3, pp. 503-508, ISSN: 2231-5381 (WoS - Thomson Reuter Listed), SCOPUS Indexed, UGC CARE listed)

83. Sangeeta Rani, Nasib Singh Gill, Preeti Gulia (2021). **“Survey of Tools and Techniques for Sentiment Analysis of Social Networking Data”**, *International Journal of Advanced Computer Science and Applications (IJACSA)*, Vol. 12(4), pp. 222-232, (WoS -Thomson Reuter Listed), SCOPUS Indexed, UGC CARE listed) https://thesai.org/Downloads/Volume12No4/Paper_30-Survey_of_Tools_and_Techniques_for_Sentiment_Analysis.pdf
84. Palak, Preeti Gulia, Nasib Singh Gill (2021). **“An Enhanced Artificial Bee Colony: Naïve Bayes Technique for Optimizing Software Testing”**, *International Journal of Advanced Computer Science and Applications*, Vol. 12, issue 2, pp. 39-45, ISSN: 2231-5381 (WoS -Thomson Reuter Listed), SCOPUS Indexed, UGC CARE listed)
85. Palak, Preeti Gulia, Nasib Singh Gill (2021). **“Optimized Test Case Selection using Scout-less Hybrid Artificial Bee Colony Approach and Crossover Operator”**, *International Journal of Engineering Trends and Technology*, Vol 69, issue 3, pp. 39-45, ISSN: 2231-5381(SCOPUS Indexed, UGC CARE listed)
86. Sangeeta and Nasib Singh Gill (2021). **“Twitter Sentiment Analysis on ‘India China Border Dispute’**, *World Journal of Engineering Research and Technology (WJERT)*, vol. 7, Issue 3, pp. 117-125, 2021.

2020

87. Sangeeta Rani, Nasib Singh Gill, Preeti Gulia (2020). **“Analyzing Impact of Number of Features on Efficiency of Hybrid Model of Lexicon and Stack Based Ensemble Classifier for Twitter Sentiment Analysis using WEKA Tool”**, *Indonesian Journal of Electrical Engineering and Computer Science*, vol. 22(2), pp 433-443, (SCOPUS Indexed, UGC CARE listed) <http://ijeecs.iaescore.com/index.php/IJEECS/article/view/24322>.
88. Deepti Rani Nasib Singh Gill (2020). **“Internet of Things (IoT) Characteristics, Applications, and Digital Forensics Investigation Process: A Review”**, *International Journal of Emerging Trends in Engineering Research (IJETER)*, 8(9), September 2020, 6512–6519. <https://doi.org/10.30534/ijeter/2020/254892020>.
89. Amit Sagu and Nasib Singh Gill (2020). **“Machine Learning Decision Tree Classifier and Logistics Regression Model”**, *International Journal of Advanced Trends in Computer Science and Engineering (IJATCSE)*, ISSN: 2278 – 3091, vol. 9, pp. 163-166, 2020. (Scopus indexed, UGC CARE listed). DOI: 10.30534/ijatcse/2020/2491.42020.
90. Amit Sagu, Nasib Singh Gill and Preeti Gulia (2020). **“Artificial Neural Network for the Internet of Things Security”**, *International Journal of Engineering Trends and Technology (IJETT)*, ISSN: 2231-5381, Volume-68 Issue-11, 2020. (Scopus indexed, UGC CARE listed). DOI: 10.14445/22315381/IJETT-V68I11P218.
91. Sangeeta and Nasib Singh Gill (2020). **“Hybrid Model for Twitter Data Sentiment Analysis Based on Ensemble of Dictionary Based Classifier and Stacked Machine Learning Classifiers-SVM, KNN and C5.0”**, *International Journal of Theoretical and Applied Information Technology (IJTAIT)*, Vol. 98, No. 04, (29 Feb 2020), pp. 624-635, ISSN: 1817-3195. (Scopus indexed, UGC CARE listed). <http://www.jatit.org/volumes/Vol98No4/8Vol98No4.pdf>
92. Sangeeta and Nasib Singh Gill (2020). **“Review of Factors Affecting Efficiency of Twitter Data Sentiment Analysis”**, *International Journal of Computer Theory and Engineering (IJCTE)*, Vol. 12, No. 2, April 2020. ISSN:1793-8201. (UGC CARE listed).
93. Sangeeta and Nasib Singh Gill (2020). **“Tweet Sentiment Classification Using an**

Ensemble of Unsupervised Dictionary Based Classifier and Deep Convolutional Neural Network ”, in *International Journal of Advanced Science and Technology*, Vol. 29, No. 3, (2020), pp. 4904 - 4912, ISSN: 2005-4238. (Scopus indexed, UGC CARE listed). <http://sersc.org/journals/index.php/IJAST/article/view/18142>

94. Sangeeta and Nasib Singh Gill (2020). **“COVID-19: Twitter Sentiment Analysis Based on Geospatial Tweets”**, *International Journal of Advanced Science and Technology (IJAST)*, Vol. 29, No. 5, (2020), pp. 6944-6952, ISSN: 2005- 4238. (Scopus indexed, UGC CARE listed). <http://sersc.org/journals/index.php/IJAST/article/view/18142>
95. Sangeeta and Nasib Singh Gill (2020). **“Hybrid Model using Stack-Based Ensemble Classifier and Dictionary Classifier to Improve Classification Accuracy of Twitter Sentiment Analysis”**, *International Journal of Emerging Trends in Engineering Research (IJETER)*, Volume 8. No. 7, pp.2893-2900, July 2020, ISSN : 2347-3983 (SJIF impact factor 3.032, DIIF impact Factor – 0.886) ,(Scopus indexed, UGC CARE listed). <http://www.warse.org/IJETER/static/pdf/file/ijeter02872020.pdf>,<https://doi.org/10.30534/ijeter/2020/02872020>.
96. Deepti Rani and Nasib Singh Gill (2019). **“Lightweight Security Protocols for Internet of Things: A Review”**, *International Journal of Advanced Trends in Computer Science and Engineering (IJATCSE)*, Vol. 8, No. 3, May-June 2019, pp. 707-719. (Scopus Indexed; SJIF 3.980; DIIF 1.042)
97. Deepti Rani and Nasib Singh Gill (2020). **“Internet of Things (IoT) Characteristics, Applications, and Digital Forensics Investigation Process: A Review”**, *International Journal of Emerging Trends in Engineering Research (IJETER)*, Vol. 8, No. 9, September 2020, pp. 6512-6519. (Scopus Indexed; SJIF 3.032; DIIF 0.886)
98. Amit Sagu and Nasib Singh Gill (2020). **"Machine Learning Decision Tree Classifier and Logistics Regression Model"**, *International Journal of Advanced Trends in Computer Science and Engineering (IJATCSE)*, ISSN: 2278 – 3091, vol. 9, pp. 163-166, 2020. (Scopus indexed, UGC CARE listed). DOI: 10.30534/ijatcse/2020/2491.42020.
99. Amit Sagu and Nasib Singh Gill (2020). **"Machine Learning Techniques for Securing IoT Environment"**, *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, ISSN:2278-3075, vol. 9, no. 4, pp. 977-982, Feb. 2020. (erstwhile Scopus Intexed, UGC CARE listed). DOI: 10.35940/ijitee.D1209.029420 <https://www.ijitee.org/wp-content/uploads/papers/v9i4/D1209029420.pdf>
100. Amit Sagu and Nasib Singh Gill (2020). **"Securing IoT Environment using Machine Learning Techniques"**, *International Journal of Engineering and Advanced Technology (IJEAT)*, ISSN: 2249-8958, vol. 9, no. 3, pp. 870-873, 2020. (erstwhile Scopus indexed, UGC CARE listed. DOI: 10.35940/ijeat.C5339.029320 <https://www.ijeat.org/wp-content/uploads/papers/v9i3/C5339029320.pdf>
101. Tarika Verma and Nasib Singh Gill (2020). **"Machine Learning Techniques for Better**

Data Driven Decisions Revisited”, *International Journal of Engineering and Advanced Technology (IJEAT)*, ISSN: 2249-8958, vol. 9, no. 4, pp. 460-464, April 2020. (erstwhile Scopus indexed, UGC CARE listed). DOI: 10.35940/ijeat.D6766.049420. <https://www.ijeat.org/wp-content/uploads/papers/v9i4/D6766049420.pdf>

102. Tarika Verma and Nasib Singh Gill (2020). **"Email Spams via Text Mining Using Machine Learning Techniques"**, *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, ISSN:2278-3075, vol. 9, no. 4, pp. 2535-2539, Feb. 2020. (erstwhile Scopus Indexed, UGC CARE listed). DOI: [10.35940/ijitee.D1915.029420](http://www.ijitee.org/wp-content/uploads/papers/v9i4/D1915029420.pdf) <http://www.ijitee.org/wp-content/uploads/papers/v9i4/D1915029420.pdf>
103. C. Gupta and Nasib Singh Gill (2020). **"Machine Learning Techniques and Extreme Learning Machine for Early Breast Cancer Prediction"**, *International Journal of Innovative Technology and Exploring Engineering (IJITEE)* , vol. 9, no.4, pp. 163–167, Feb. 2020. doi: 10.35940/ijitee.d1411.029420. (erstwhile Scopus Indexed, UGC CARE listed), <http://www.ijitee.org/wp-content/uploads/papers/v9i4/D1411029420.pdf>.
104. C. Gupta and Nasib Singh Gill (2020). **"Coronamask: A face mask Detector for Real-time Data"**. *International Journal of Advanced Trends in Computer Science and Engineering (IJATCSE)*, Vol. 9, No. 4, pp. 5624–5630, 2020, doi:10.30534/ijatcse/2020/212942020. (Scopus indexed, UGC CARE listed). <http://www.warse.org/IJATCSE/static/pdf/file/ijatcse212942020.pdf>.
105. Rashi Singh and Nasib Singh Gill (2020). **"Use of IoT and Machine Learning for Efficient Power Management Through Smart Grid: A Review"**, *IJAST*, vol. 29, no. 04, pp. 8982 -, June 2020. (Scopus indexed, UGC CARE listed)

2019

106. Deepti Rani and Nasib Singh Gill (2019). **"Review of Various IoT Standards and Communication Protocols"**, *International Journal of Engineering Research and Technology (IJERT)*, Vol. 12, No. 5, 2019, pp. 647-657. (Scopus Indexed)
107. Sehrawat Deepti and Nasib Singh Gill (2019). **"BRIGHT - Proposed Family of Lightweight Block Ciphers for IoT-Enabled Smart Environment"**. *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*. ISSN: 2278-3075, Volume 8, Issue 9, July 2019, pp. 584-592. (Scopus indexed, UGC CARE listed). <https://www.ijitee.org/wp-content/uploads/papers/v8i9/I7778078919.pdf>
108. Munisha Devi and and Nasib Singh Gill (2019). **"Mobile Ad Hoc Networks and Routing Protocols in IoT Enabled Smart Environment: A Review"**. *Journal of Engineering and Applied Sciences*. ISSN: 1816-949X , Volume 14, Issue 3, pp. 802-811, 2019. (Scopus indexed, UGC CARE listed). <http://medwelljournals.com/abstract/?doi=jeasci.2019.802.811>
DOI: 10.36478/jeasci.2019.802.811
109. Sehrawat Deepti and Nasib Singh Gill (2019). **"Performance Evaluation of Newly Proposed Lightweight Cipher, BRIGHT"**. *International Journal of Intelligent Engineering and Systems*. ISSN: 2185-3118, Vol. 12, No. 4, 2019, pp. 71-81. (Scopus indexed, UGC CARE listed). <http://oaji.net/articles/2019/3603-1561602690.pdf>
110. Munisha Devi and Nasib Singh Gill (2019). **"Performance Analysis of Enhanced Ad-**

- Hoc On-Demand Distance Vector Routing Protocol in Smart Environment**". *International Journal of Recent Technology and Engineering (IJRTE)*. ISSN: 2277-3878, Volume-8, Issue-2, July 2019, pp. 1548-1554. (Scopus indexed, UGC CARE listed). <https://www.ijrte.org/wp-content/uploads/papers/v8i2/B2227078219.pdf>
111. Sehrawat Deepti and Nasib Singh Gill (2019). **"BRIGHT: A Small and Fast Lightweight Block Cipher for 32-bit Processor"**. *International Journal of Engineering and Advanced Technology (IJEAT)*, ISSN: 2249 – 8958, Vol. 8, No. 5, pp. 1549-1556, June 2019. (Scopus indexed, UGC CARE listed). <https://www.ijeat.org/wp-content/uploads/papers/v8i5/E7302068519.pdf>
 112. Munisha Devi and Nasib Singh Gill (2019). **"Performance Evaluation of Dynamic Source Routing Protocol in Smart Environment"**. *International Journal of Advanced Trends in Computer Science and Engineering*. ISSN: 2278-3091, Volume 8, No. 2, March – April 2019, pp. 333 – 338. (Scopus indexed, UGC CARE listed). <http://www.warse.org/IJATCSE/static/pdf/file/ijatcse37822019.pdf>. <https://doi.org/10.30534/ijatcse/2019/37822019>
 113. Pooja Singh and Nasib Singh Gill (2019), **"WCA-DGVC: A Weight Clustering Algorithm for Decentralized Group Key Management With Variable Size Cluster"**. *International Journal of Recent Technology and Engineering*, Vol. 07, Issue 5, pp. 82-87, 2019, ISSN: 2277-3878. (Scopus Indexed, ICI, UGC Approved) Impact Factor 5.92. <https://www.ijrte.org/wp-content/uploads/papers/v7i5/E1968017519.pdf>
 114. Munisha Devi, Nasib Singh Gill and Deepti Sehrawat (2019). **"Exploring Possibilities of MANET Protocols for IoT Enabled Smart Environment"**. *International Journal of Computer Sciences and Engineering*. E-ISSN: 2347-2693, Vol.-7, Issue-3, March 2019. (ICI indexed and UGC CARE listed). https://www.ijcseonline.org/pub_paper/116-IJCSE-06206.pdf. DOI: <https://doi.org/10.26438/ijcse/v7i3.684688>
 115. Sehrawat Deepti and Nasib Singh Gill (2019). **"Review and Comparative Analysis of Topic Identification Techniques"**, *International Journal of Advanced Trends in Computer Science and Engineering (IJATCSE)*. ISSN: 2278-3091, Vol.8, No. 3, pp. 795-803, May-June 2019. (Web of Science, Scopus indexed, UGC CARE listed). <http://www.warse.org/IJATCSE/static/pdf/file/ijatcse71832019.pdf>
DOI: [10.30534/ijatcse/2019/71832019](https://doi.org/10.30534/ijatcse/2019/71832019)
 116. Sehrawat Deepti and Nasib Singh Gill (2019). **"A Review on Performance Evaluation Criteria and Tools for Lightweight Block Ciphers"**. *International Journal of Advanced Trends in Computer Science and Engineering (IJATCSE)*. ISSN: 2278-3091, Vol.8, No. 3, pp. 630-639, June 2019. (Scopus indexed, UGC CARE listed). <http://www.warse.org/IJATCSE/static/pdf/file/ijatcse47832019.pdf> DOI: [10.30534/ijatcse/2019/47832019](https://doi.org/10.30534/ijatcse/2019/47832019)

2018

117. Sangeeta and Nasib Singh Gill (2018). **"Machine learning based twitter data sentiment classification on real time 'Clean India Mission' Tweets"**, *International Journal of Engineering & Technology (IJET)*, ISSN: 2227-524X, Vol 7, Issue 4, 2018, pp 4737-4742. <https://sciencepubco.com/index.php/ijet/issue/view/390>
118. Munisha Devi and Nasib Singh Gill (2018). **"Comparison Analysis of MANET Routing Protocols to identify their Suitability in Smart Environment."** *International*

Journal of Engineering and Technology (UAE), Vol. 7, No. 4 pp. 4844- 4849, 2018. ISSN: 2227-524X (Scopus Indexed and UGC CARE listed).
<https://www.sciencepubco.com/index.php/ijet/article/view/27945>.
 DOI: 10.14419/ijet.v7i4.27945

119. Pooja Singh and Nasib Singh Gill (2019), “**A Secure and Power-Aware Protocol for Wireless Ad Hoc Networks**”. *International Journal of Advanced Trends in Computer Science and Engineering*, Vol. 08, No. 1, January-February 2019, pp. 34- 41, 2019, ISSN: 2278-3091. (Scopus Indexed, ICI, UGC Approved) SJIF 3.980.
<http://www.warse.org/IJATCSE/static/pdf/file/ijatcse07812019.pdf>
<https://doi.org/10.30534/ijatcse/2019/07812019>
120. Sehrawat Deepti and Nasib Singh Gill (2018). “**Deployment of IoT based smart environment: key issues and challenges**”. *International Journal of Engineering and Technology (UAE)*, Vol. 7, No. 2 pp. 544-550, 2018. ISSN: 2227-524X [Scopus Indexed].
<http://dx.doi.org/10.14419/ijet.v7i2.9504>
121. Pooja Singh and Nasib Singh Gill (2018), “**A Survey on Key Management Schemes in Wireless Ad Hoc Networks**”. *International Journal of Applied Engineering Research*, Vol. 13, No. 1, pp. 268-272, 2018, Print ISSN: 0973-4562, Online ISSN: 0973-9769. (Erstwhile Scopus Indexed, ICI, UGC Approved) H- Index=13.
https://www.ripublication.com/ijaer18/ijaerv13n1_37.pdf
122. Sehrawat Deepti and Nasib Singh Gill (2018), “**Lightweight Block Ciphers for IoT based applications: A Review**”. *International Journal of Applied Engineering Research*, Vol. 13, No. 5, pp. 2258-2270, 2018, Print ISSN: 0973-4562, Online ISSN: 0973-9769, (Erstwhile Scopus Indexed, ICI, UGC Approved) H- Index=13.
https://www.ripublication.com/ijaer18/ijaerv13n5_26.pdf
123. Sehrawat Deepti, N. S. Gill (2018). “**Emerging Trends and Future Computing Technologies: A Vision for Smart Environment**”. *International Journal of Advanced Research in Computer Science (IJARCS)*, Vol 9, No. 2, pp. 839-842, March-April, 2018. ISSN: 0976-5697 [ICI, UGC Approved] H-Index=7, Among Top 50 Indian Journals: Rank: 1st in Computer Science Journals (ISI report 2016)
<http://www.ijarcs.info/index.php/Ijarcs/article/view/5838>
124. Devi, Munisha and Gill, N.S. (2018). “**Study of Mobile Ad hoc Network Routing Protocols in Smart Environment**”. *International Journal of Applied Engineering Research*, Vol. 13, No. 16, pp. 12968-12975, 2018, Print ISSN: 0973-4562, Online ISSN: 0973-9769, (Erstwhile Scopus Indexed, ICI, UGC Approved) H- Index=13.
https://www.ripublication.com/ijaer18/ijaerv13n16_81.pdf
125. Azaz Khan and Nasib Singh Gill (2018), “**Review of Security Methods in Cloud Computing**”. *IJRAR- International Journal of Research and Analytical Reviews*, Vol. 5, Issue 3, pp. 1076-1080, July-Sept 2018, e ISSN 2348 –1269, Print ISSN 2349-5138. (UGC Approved Journal – Journal No. 43602). IF – 5.75.
http://ijrar.com/upload_issue/ijrar_issue_1405.pdf
126. Sehrawat Deepti and N. S. Gill (2018). “**Analysis of Security Attacks on Lightweight Block Ciphers and their Countermeasures**”. *Journal of Engineering and Applied Sciences (JEAS)*, Vol 13, No 20, pp. 8439-8447, 2018. ISSN: 1816- 949X (Scopus indexed, UGC CARE listed)
127. Azaz Khan and Nasib Singh Gill (2018), “**Encryption & Fingerprint Based Security**

in Cloud Computing”. IJRAR- International Journal of Research and Analytical Reviews, Vol. 5, Issue 3, pp. 1081-1085, July-Sept 2018, **e ISSN 2348 – 1269, Print ISSN 2349-5138. (UGC Approved Journal – Journal No. 43602). IF– 5.75.**
http://ijrar.com/upload_issue/ijrar_issue_1406.pdf

128. Meenakshi Sridhar and Nasib Singh Gill (2018). **“Formal Framework for Semi-automation of Validation of Software and its Metrics and of Development of Relevant Knowledge-base”**. *Journal of Engineering and Applied Sciences (JEAS)*, Feb 2018, pISSN: 1816-949x, eISSN: 1818-7803.
<http://medwelljournals.com/journalhome.php?jid=1816-949x>. **UGC listed (SI. No. 7336), Scopus indexed.**

2017 and prior

129. **Meenakshi Sridhar and Nasib Singh Gill**, “Computational Framework for Web Metrics towards Automated Web Design”, *IOSR Journal of Computer Engineering (IOSR-JCE)*, Volume 19, Issue 4, Ver. VII, PP 20-29 , Jul.-Aug. 2017, eISSN: 2278-0661, pISSN: 2278-8727. **UGC listed (SI. No. 5019).**
<http://www.iosrjournals.org/iosr-jce/papers/Vol19-issue4/Version-7/D1904072029.pdf>
130. **Meenakshi Sridhar and Nasib Singh Gill**, “An Approach For Automating Design Of Web, its Metrics & Knowledge-Base”, *International Journal of Advanced Research in Computer Science*, Volume 8 No.7, August 2017, ISSN: 0976-5697.
<http://www.ijarcs.info/index.php/Ijarcs/article/view/4445>. **UGC listed (SI. No. 2503), ICI indexed.**
131. Pooja Singh and Nasib Singh Gill (2017). **“Cross Layered Architecture for Interoperability within Ad Hoc Networks”**. *VIRTUE, Bi- annual Refereed Journal of DAV Institute of Management*, Volume V, Issue II, July - December 2017, **ISSN: 2230-7117. (UGC Approved)**
132. Sehrawat Deepti and N. S. Gill (2018). **“Internet of Things: Opportunities and Future Scope”**. *International Journal of Innovations & Advancement in Computer Science*. Volume 7, Issue 4, pp: 248-252, April 2018. **ISSN: 2347 – 8616 (UGC Approved)**
133. Sehrawat Deepti and N. S. Gill (2018). **“Data Mining in IoT and its Challenges”**. *International Journal of Computer Sciences and Engineering*. Vol.6, Issue.4, pp.289- 295, 2018. **ISSN: 2347-2693 (E) (ICI, UGC Approved) Rank: 2nd in Computer Science Journals (ISI report 2016) H-Index=8**
134. Vikas Raman and Nasib Singh Gill (2017). A Swarmed GA Algorithm for Solving Travelling Salesman Problem. *Journal of Theoretical and Applied Information Technology*. Vol. 95, No. 16, August 31, 2017. **ISSN: 1992-8645. Thomson Reuters listed, Scopus indexed.** <http://www.jatit.org/volumes/Vol95No16/23Vol95No16.pdf>
135. Navneet and Nasib Singh Gill (2017). **“An efficient technique for Big Data Classification using neural network”**, *A Science & Technology Journal (Ciência e Técnica Vitivinícola Journal)*. Vol. 32 Issue 1, January 2017. **ISSN: 0254-0223. Thomson Reuters listed, Science Citation Index Expanded (SCI indexed).**
136. Navneet and Nasib Singh Gill (2017). **“A Novel Algorithm for Big Data Classification Based on Lion Optimization”**, *Journal of Theoretical and Applied Information Technology*, Vol. 95, No. 7, April 2017. **ISSN: 1992-8645. (Impact Factor 0.33)**

Thomson Reuters listed, Scopus indexed, SciVerse, Hub, J-Gate, and included in the list of journal recommended by UGC. <http://www.jatit.org/volumes/Vol95No7/3Vol95No7.pdf>

137. Shilpi Garg and Nasib Singh Gill (2017). **Improved Leach Protocol for Energy Aware Routing**. *IOSR Journal of Computer Engineering (IOSR-JCE)*, e-ISSN: 2278-0661,p-ISSN: 2278-8727, Volume 19, Issue 6, Ver. I (Nov.- Dec. 2017), pp. 09-12. **Included in the list of journals recommended by UGC.** <http://www.iosrjournals.org/iosr-jce/papers/Vol19-issue6/Version-1/A1906010108.pdf>
DOI: 10.9790/0661-1906010912
138. Geeta Rani and Nasib Singh Gill (2017). **Approach for Sensing Coverage Using Border Effect in Wireless Sensor Network**. *IOSR Journal of Computer Engineering (IOSR-JCE)*, e-ISSN: 2278-0661,p-ISSN: 2278-8727, Volume 19, Issue 6, Ver. I (Nov.- Dec. 2017), pp. 01-08. **Included in the list of journals recommended by UGC.** <http://www.iosrjournals.org/iosr-jce/papers/Vol19-issue6/Version-1/A1906010108.pdf>
DOI: 10.9790/0661-1906010108
139. Shilpi Garg and Nasib Singh Gill (2017). “**Mobile Sink Based Energy Efficient Adaptive Clustering Hierarchy Protocol For WSN**”, *Indian Journal of Advanced Research in Computer Science*, Vol. 8, No. 3 (2017): March-April 2017, ISSN **0976- 5697**. **Included in the list of journals recommended by UGC.** DOI: <http://dx.doi.org/10.26483/ijarcs.v8i3.3105>
140. Geeta Rani and Nasib Singh Gill (2017). **Impact of Boundary Effect on Coverage Fraction in Wireless Sensor**. *Indian Journal of Advanced Research in Computer Science*, Vol. 8, No. 7 (2017): July-August 2017, ISSN **0976-5697**. **Included in the list of journals recommended by UGC.** DOI: <http://dx.doi.org/10.26483/ijarcs.v8i7.3627>
141. Sumit Nager and Nasib Singh Gill (2017).“**Comparative Study of RM and EDF Scheduling Algorithm in Real Time Multiprocessing Environment**”, *International Journal of Computer Science and Mobile Computing (IJCSMC)*, Volume 6, Issue 3, March 2017. pp. 67-71. (NISCAIR Certified Journal). ISSN(Online):2320-088X, Impact Factor 5.258.
<http://www.ijcsmc.com/docs/papers/March2017/V6I3201729.pdf>
142. Vikas Raman and Nasib Singh Gill (2017).“**Review of different heuristic algorithms for solving Travelling Salesman Problem**”, *Indian Journal of Advanced Research in Computer Science*, Vol. 8, No. 5 (2017): May-June 2017, ISSN **0976-5697**. **Included in the list of journals recommended by UGC.**<http://ijarcs.in/index.php/Tjarcs/article/view/3105>
143. Sumit Nager and Nasib Singh Gill (2017).“**Comparative Study of Various CPU Scheduling Algorithm**”,*International Journal of Emerging Trends & Technology in Computer Science (IJETTCS)*, Volume 6, Issue 2, March-April 2017, pp.040-45. ISSN(Online):2278-6856, Impact Factor 7.143.http://ijettcs.org/pabstract_Share.php?pid=IJETTCS-2017-03-16-12
144. Sangeeta and Nasib Singh Gill (2017).“**Framework for Tweet Sentiment Classification Using Boosting based Ensemble Approach**”, *A Science &Technology Journal (Ciência e Técnica Vitivinícola Journal)*. Vol. 32 Issue 1, January 2017.ISSN: 0254-0223.**Thomson Reuters listed, Science Citation Index Expanded (SCI indexed).**
145. Shikha Chahal and Nasib Singh Gill (2016).“**Comparative Study of various WSN**

Routing Protocols, Indian Journal of Science and Technology, Vol. 9, Issue 48, DOI: [10.17485/ijst/2016/v9i48/95285](https://doi.org/10.17485/ijst/2016/v9i48/95285), December 2016. Thomson Reuters listed, Scopus indexed, Web of Science indexed and included in the list of journal recommended by UGC. <http://www.indist.org/index.php/indist/article/view/95285>

146. Sumit Nager and Nasib Singh Gill (2016). ***An Improved Shortest Job First Scheduling Algorithm to Decrease Starvation in Cloud Computing***, International Journal of Computer Science and Mobile Computing (IJCSMC), Volume 5, Issue 8, August 2016. pg.155-161. (NISCAIR Certified Journal). ISSN(Online):2320-088X, Impact Factor 5.258. <http://ijcsmc.com/docs/papers/August2016/V5I8201635.pdf>
147. Shikha Chahal and Nasib Singh Gill (2016). ***Preventing Clustering Methodology for Improving Network Energy Using LEACH Protocol in WSN***, IJCSMC International Journals of Computer Science and Mobile Computing, Volume 5, Issue 8, August 2016. pg.162-172. (NISCAIR Certified Journal). ISSN(Online):2320- 088X, Impact Factor 5.258. <http://ijcsmc.com/docs/papers/August2016/V5I8201635.pdf>
148. Navneet and Nasib Singh Gill (2016). ***An Optimized Algorithm for Big Data Classification using Neuro Fuzzy Approach***, Indian Journal of Science and Technology, Vol. 9, Issue 28, DOI: [10.17485/ijst/2016/v9i28/87995](https://doi.org/10.17485/ijst/2016/v9i28/87995), July 2016. Thomson Reuters listed, Scopus indexed, Web of Science indexed and included in the list of journal recommended by UGC. <http://indist.org/index.php/indist/article/view/87995/0>
149. Nasib Singh Gill and Pooja Mittal (2016). ***A Comparative Study of Hybrid Prediction Model when implemented on Heterogeneous data sets using Statistical Performance Evaluators***, A Science & Technology Journal (Ciência e Técnica Vitivinícola Journal). Vol. 31 Issue 9, September 2016. ISSN: 0254-0223. Thomson Reuters listed, Science Citation Index Expanded (SCI indexed).
150. Nasib Singh Gill and Pooja Mittal (2016). ***A Computational Hybrid Model with twolevel Classification using SVM and Neural Network for predicting the diabetes disease***, Journal of Theoretical and Applied Information Technology, Vol. 87, No. 1, May 2016. ISSN: 1992-8645. Thomson Reuters listed, Scopus indexed. <http://www.jatit.org/volumes/Vol87No1/1Vol87No1.pdf>
151. Nasib Singh Gill and Pooja Mittal (2016). ***A Novel Hybrid Model for Diabetic Prediction Using Hidden Markov Model, Fuzzy Based Rule Approach & Neural Network***, Indian Journal of Science and Technology, Vol 9(35), DOI:10.17485/ijst/2016/v9i35/99146, September 2016. Print ISSN: 0974-6846 Online ISSN:0974-5645. Thomson Reuters listed, Scopus indexed. <http://www.indist.org/index.php/indist/article/view/99146>
152. Meenakshi and Nasib Singh Gill (2015). ***Imperfection of Domain Knowledge and Its Formalization in Context of Design of Robust Software Systems***, Journal of Software Engineering and Applications, September 2015, Vol 8, No. 9, pp. 489-498. pp. 238-240. ISSN: 1945-3124. <http://www.scirp.org/journal/jsea>, <http://dx.doi.org/10.4236/jsea.2015.89047>
153. Meenakshi Sridhar and Nasib Singh Gill (2015). ***Formal Conceptual Framework for Structure of Context of Component-based System for Designing Robust Software Systems and Metrics***. International Journal of Software Engineering and Applications (IJSEA) Vol 6, No. 6 :30-37, November 2015. ISSN: 0975-8018 (Online), 0976-2221 (Print).
154. Meenakshi Sridhar and Nasib Singh Gill (2015). ***A Formal Conceptual Framework for***

- Dynamics Within Context of Component-Based System for Designing Robust Software Systems & Metrics***". International Journal of Computer Applications 112(7):30-37, February 2015.ISSN: 0975-9018. <http://www.ijcaonline.org/archives/volume112/number7/19681-1412>
155. Priyanka and Nasib Singh Gill (2015). "***A Study on Detection of DDOS Attack in MANET***", International Journal of Recent Research Aspects (IJRRA). Vol. 2, Issue 2, June 2015, pp. 238-240. ISSN: 2349-7688. <http://ijrra.com/Vol2issue2/IJRRRA-02- 02-47.pdf>
 156. Priyanka and Nasib Singh Gill (2015). "***Review of Detection, Elimination and Simulation Analysis of Black Hole on Ad-hoc Network Using Advance AODV Technique***", International Journal For Technological Research In Engineering (IJFTRE). Volume 2, Issue 7, March-2015, pp. 1347-1352. ISSN (Online): 2347 – 4718. <http://ijtre.com/manuscript//20150207131.pdf>
 157. Renu Yadav and Nasib Singh Gill (2015). "***An Information Security Technique Using AES-RSA Hybrid and SLSB: Review***", International Journal of Advanced Research in Computer Science and Software Engineering (IJARCSSE). Volume 5, Issue 5, May 2015, pp.1119-1122. ISSN: 2277 128X. http://www.ijarcsse.com/docs/papers/Volume_5/5_May2015/V5I5-0292.pdf
 158. Priyanka and Nasib Singh Gill (2015). "***A Review of DDOS Attack and Their Countermeasure in TCP Based Network***", International Journal of Recent Research Aspects (IJRRA). Vol. 2, Issue 2, June 2015, pp. 233-237. ISSN: 2349-7688. <http://ijrra.com/Vol2issue2/IJRRRA-02-02-46.pdf>
 159. Priyanka and Nasib Singh Gill (2015). "***Detection and Removal of Black Hole Using Advance AODV TECHNIQUE***", International Journal For Technological Research In Engineering (IJFTRE). Volume 2, Issue 11, July-2015, pp. 2624-2627. ISSN (Online): 2347 – 4718. <http://www.ijtre.com/manuscript/2015021132.pdf>
 160. Renu Yadav and Nasib Singh Gill (2015). "***Improvement in Performance of RSA Algorithm Using SLSB***", International Journal of Computer Science and Mobile Computing (IJCSMC). Vol.4 Issue.7, July- 2015, pp. 279-285. ISSN: 2320-088X. <http://ijcsmc.com/docs/papers/July2015/V4I7201574.pdf>
 161. Renu Yadav and Nasib Singh Gill (2015). "***Improvement in Performance of Advance Encryption Standard Using SLSB***", International Journal of Emerging Technology and Advanced Engineering (IJETAEE). Vol. 5, Issue.6, June 2015, pp. 487-493. ISSN: 2320-088X. (NISCAIR Certified Journal) Impact Factor: 5.258. <http://ijcsmc.com/docs/papers/July2015/V4I7201574.pdf>
 162. Renu Yadav and Nasib Singh Gill (2015). "***An Information Security Technique Using AES-RSA Hybrid and SLSB: Research***", International Journal of Advanced Research in Computer Science and Software Engineering (IJARCSSE). Volume 5, Issue 7, May 2015, pp. 805-809. ISSN: 2277 128X. http://www.ijarcsse.com/docs/papers/Volume_5/7_July2015/V5I7-0425.pdf
 163. Navneet and Nasib Singh Gill (2015). "***Classification Using the Compact Rule Generation***", Oriental Journal of Computer Science & Technology, Vol. 8 No. 1: 49-58, April 2015. ISSN (Online): 0974-6471.(Impact Factor: 0.1890).Published by Techno Research Publishers, India. <http://www.computerscijournal.org/vol8no1/classification-using-the-compact-rule-generation/>.(NASS Rating: 4.79 and IC value 85.22).ICI indexed and included in the list of journal recommended by UGC.

164. Vijay Bharti and Nasib Singh Gill (2015). **Survey of Challenges in Distributed Denial of Service Attacks and IP Traceback Countermeasures**, IJCST International Journal of Computer Science and Technology, Volume 6, Issue 2, April- June 2015. ISSN(Online):0976-8491.ISSN(Print):2229-4333.www.ijcst.com
165. Vijay Bharti and Nasib Singh Gill (2015). **A Survey of DDOS Attacks with NS, NAM and OTCL Scripting**, ACE Journals, Volume 3, Issue 1, April 2015, Certificate No-C000191. ISSN: 2393-8390 (Online). www.acejournals.com
166. Vijay Bharti and Nasib Singh Gill (2015). **Preventing Distributed Denial of service Attacks Via MAC Cloning**, International Journals of Computer Science and Mobile Computing (IJCSMC), Volume 4, Issue 6, June 2015, ISSN(Online) : 2320-088X.www.ijscmc.com
167. Vijay Bharti and Nasib Singh Gill (2015). **Deterministic Packet Marking for Detecting Distributed Denial of Service Attacks in MANETS**, IJARCSSE International journals of Advanced Research in Computer Science and Software Engineering, Volume 5, Issue 6, June 2015, ISSN(Online) : 2277-128X. www.ijarcsse.com.
168. Navneet and Nasib Singh Gill (2014). **“Algorithm for Producing Compact Decision Trees for Enhancing Classification Accuracy in Fertilizer Recommendation of Soil”**, International Journal of Computer Applications, 98(02):35-39, July 2014. ISSN (Online): 0975-8887.(Impact Factor: 0.814).Published by Foundation of Computer Science, NewYork, USA. <http://www.ijcaonline.org/archives/volume98/number2/17153-7204>
169. Ekta and Nasib Singh Gill (2014). **“MANETs Routing: Simulation and Network Analysis For AODV and DSR”**, International Journal of Advance Research in Computer and Communication Engineering (IJARCCE), Volume 03, Issue 06, June 2014. ISSN (online): 2278-1021. www.ijarcce.com
170. Ekta and Nasib Singh Gill (2014). **“Intrusion Secure Algorithm for AODV”**, International Journal of Science and Research (IJSR), Volume 03, Issue 07, July 2014. ISSN (online): 2319-7064. (Impact Factor: 3.358).www.ijsr.net
171. Nasib Singh Gill and Ekta (2014). **“Detection and Isolation of Malicious and Hostile Nodes in MANETs”**, International Journal of Advanced Research in Computer Science and Software Engineering (IJARCSSE), Volume 04, Issue 04, April 2014. ISSN (online): 2277-128X. (Impact Factor: 3.358). pp. 853- 856.www.ijsr.net
172. Palak and Nasib Singh Gill (2014). **“Study of Energy consumption in DSR Using NS2”**, International Journal of Computer Science and Mobile Computing (IJCSMC), Volume 03, Issue 07, July 2014. pp. 531-535. ISSN (online): 2320-088X. www.ijscmc.com
173. Palak and Nasib Singh Gill (2014). **“A Power Saving Intelligent Dynamic Source Routing (IDSR) in MANET”**, International Journal of Advance Research in Computer and Communication Engineering (IJARCCE), Volume 03, Issue 07, June 2014. ISSN (online): 2278-1021. pp.7556-7558. www.ijarcce.com
174. Palak Gupta and Nasib Singh Gill (2014). **“Simulation and Analysis of Routing Protocols in MANETs for Different Network Sizes”**, International Journal of Advanced Research in Computer Science (IJARCS), Vol. 5, No 5 (2014): May-June 2014. ISSN (online): 0976-5697. **Included in the list of journal recommended by UGC.** <http://www.ijarcs.info>
175. Rajan Gupta and Nasib Singh Gill (2012). **“Financial Statement Fraud Detection Using Text Mining”**, International Journal of Advanced Computer Science and Applications (IJACSA), Vol. 3 No. 12, pp.189-191. 2012. www.ijacsa.thesai.org.

<http://dx.doi.org/10.14569/IJACSA.2012.031230> ISSN:2156-5570 (Online), ISSN: 2158-107X (Print), DOI: [10.14569/IJACSA.2012.031230](https://doi.org/10.14569/IJACSA.2012.031230) (Web of Science and Scopus indexed). IF - 0.9. (2012)

176. Swati Atri, Nasib Singh Gill and Jaideep Atri (2014). “**Comparison of Cluster Formation Algorithms Based on Fuzzy Logic Rules**”, International Journal of Science and Research (IJSR), Volume 03, Issue 06, June 2014. ISSN (online): 1831-1834. (Impact Factor: 3.358).www.ijsr.net
177. Swati Atri, Nasib Singh Gill and Jaideep Atri (2014). “**Clustering Approach Based on Ant Colony Optimization**”, International Journal of Advanced Research in Computer Science and Software Engineering (IJARCSSE), Volume 04, Issue 02, February 2014. ISSN (online): 2277-128X. (Impact Factor: 3.358). pp. 179- 181.www.ijsr.net
178. Pooja Mittal and Nasib Singh Gill (2014). “**A Comparative Analysis of Classification Techniques on Medical Data Sets**”, International Journal of Research in Engineering and Technology, 03(06):454-460, June 2014. ISSN (Online): 2319- 1163.www.ijret.org
179. Pooja Mittal and Nasib Singh Gill (2014). “**Three Dimensional Model for Diagnostic Prediction: A Data Mining Approach**”, International Journal of Emerging Trends & Technology in Computer Science (IJETTCS), Vol 2, Issue 4, July-Aug 2013: 379-383, June 2014. ISSN (Online): 2278-6856.www.ijettcs.org
180. Swati Atri, Nasib Singh Gill and Jaideep Atri (2014). “**Fuzzy Logic Implementation Based on Antcolony Based Cluster head Selection Algorithm**”, International Journal of Advance Research in Computer and Communication Engineering (IJARCCE), Volume 03, Issue 04, April 2014. ISSN (online): 6256-6259. www.ijarcce.com
181. Shelja Malhotra and Nasib Singh Gill (2014). “**Analysing of Geographic Based Routing Protocols in MANETs**”, International Journal of Computer Science and Mobile Computing (IJCSMC), Volume 03, Issue 05, May 2014. pp. 1068-1073. ISSN (online): 2320-088X. www.ijcsmc.com
182. Manisha and Nasib Singh Gill (2013). “**Contrast Enhancement by Using Region Growing**”, International Journal of Engineering Sciences Paradigms and Researches, Volume 08, Issue 01, October 2013. ISSN (online): 2319-6564. www.ijesonline.com
183. Sudhir and Nasib Singh Gill (2013). “**Comparative Study of Different Data Mining Techniques: A Review**”, International Journal of Latest Technology in Engineering, Management & Applied Sciences, Volume II, Issue IV, April 2013. ISSN (online): 2278-2540. <http://www.ijltemas.in/digital-library/volume-ii-issue-iv>
184. Navneet and Nasib Singh Gill (2013). “**Behavior of Classification & Clustering Algorithms on Diverse Data**”, International Journal of Engineering Sciences Paradigms and Researches, Volume 08, Issue 01, October 2013. ISSN (online): 2319-6564.(Impact factor 2.80). www.ijesonline.com
185. Nitika and Nasib Singh Gill (2013). “**Fingerprints Recognition Techniques: A Critical Review**”, IJMRS's International Journals of Multidisciplinary Research Studies, Volume 02, Issue 02, June 2013. ISSN (online): 2277-9698. <http://ijmrs.com/Papers.aspx?volumeID=V833656723>
186. Sudhir and Nasib Singh Gill (2013). “**Analysis and Study of K-Means Clustering Algorithm**”, International Journal of Engineering Research & Technology (IJERT), Volume 2, Issue 7, July 2013. ISSN (online): 2278-0181. <http://www.ijert.org/view.php?id=4586&title=analysis-and-study-of-k-means-clustering-algorithm>
187. Nitika Saroha and Nasib Singh Gill (2013). “**Hough Transform Based Fingerprint Matching Using Minutiae Extraction**”, International Journal of Advanced Research in

- Computer Science (IJARCS), Vol. 4, No 10 (2013): September-October 2013. ISSN (online): 0976-5697. **Included in the list of journal recommended by UGC.** <http://www.ijarcs.info>
188. Manisha and Nasib Singh Gill (2013). ***"Image Enhancement Using SIFT and Region Growing"***, International Journal of Computer Science & Management Studies (IJCSMS), Volume 13, Issue 05, July 2013. ISSN (online): 2231-5268. www.ijcsms.com
 189. Manisha and Nasib Singh Gill (2013). ***"Fingerprint Feature Extraction Using Hough Transform and Minutiae Extraction"***, International Journal of Computer Science & Management Studies (IJCSMS), Volume 13, Issue 05, July 2013. ISSN (online): 2231-5268. www.ijcsms.com
 190. Sudhir and Nasib Singh Gill (2013). ***"Enhancing the Performance of Nearest Neighbor Clustering Algorithm"***, International Journal of Computer Applications & Information Technology (IJCAIT), Volume 3, Issue II, August-September 2013. ISSN (online): 2278-7720. www.ijcait.com
 191. Meenakshi Sharma, Nasib S. Gill, Sunil Sikka (2012). ***"Survey of object-oriented metrics: focusing on validation and formal specification"***, ACM SIGSOFT Software Engineering Notes, 37(6): 1-5, New York, USA.
 192. Pooja Mittal and Nasib Singh Gill (2013). ***"Study and Analysis of Predictive Data Mining Approaches for Clinical Dataset"***, International Journal of Computer Applications, 63(03):35-39, February 2013. ISSN (Online): 0975-8887.(Impact Factor: 0.814).Published by Foundation of Computer Science, NewYork, USA. <http://www.ijcaonline.org/archives/volume63/number3/10449-5151>
 193. Kapil Juneja and Nasib Singh Gill (2013). ***"An Enhanced Digital Character Recognition using Art Network Classifier"***, International Journal of Computer Applications, 64(07):28-33, February 2013. ISSN (Online): 0975-8887.(Impact Factor: 0.814).Published by Foundation of Computer Science, NewYork, USA. <http://research.ijcaonline.org/volume63/number13/pxc3885505.pdf>
 194. Pardeep Tomar and Nasib Singh Gill (2013). ***"Survey New Algorithm for Component Selection to Develop Component-Based Software with X Model"***, Lecture Notes on Software Engineering (LNSE), Vol. 1, No. 3, August 2013, pp.298-302.<http://www.lnse.org/papers/65-CA2020.pdf>
 195. Kapil Juneja and Nasib Singh Gill (2013). ***"An Optimization of Dejong Function using GA under Different Selection Algorithms"***, International Journal of Computer Applications, 63(13):06-12, February 2013.ISSN (Online): 0975-8887. (Impact Factor: 0.814).Published by Foundation of Computer Science, New York, USA. <http://www.ijcaonline.org/archives/volume64/number7/10648-5407>
 196. Rajan Gupta and Nasib Singh Gill (2012).***"A Solution for Preventing Fraudulent Financial Reporting using Descriptive Data Mining Techniques"***, International Journal of Computer Applications, 58(1):22-28, November 2012.ISSN (Online): 0975-8887. (Impact Factor: 0.814).Published by Foundation of ComputerScience,NewYork,USA.<http://www.ijcaonline.org/archives/volume58/number1/9247-3411>
 197. Narender Singh and Gill, Nasib Singh (2012). ***"The Early Detection of Functional and Non-functional Cross-cutting Concerns"***, International Journal of Computer Applications (IJCA), Vol. 16, No 13, May 2012. Pp. 25-32. ISSN (Online): 0975-8887. (Impact Factor: 0.814).<http://www.ijcaonline.org/archives/volume46/number13/6971-9507>
 198. Narender Singh and Gill, Nasib Singh (2012). ***"Towards an Integrated AORE Process Model for Handling Crosscutting Concerns"***, International Journal of Computer

Applications (IJCA), Volume 37, No. 3, **January 2012 Edition**. ISSN (Online): 0975-8887.(Impact Factor: 0.814).
<http://www.ijcaonline.org/archives/volume37/number3/4587-6525>

199. Gill, Nasib Singh and Narender Singh (2011). *“Aspect-Oriented Requirements Engineering for Advanced Separation of Concerns: A Review”*, IJCSI International Journal of Computer Science Issues, Vol. 8, Issue 5, No 2, September 2011 ISSN (Online): 1694-0814.(Impact Factor: 0.242)
200. Gill, N. S. and Tomar, P. (2011). *“New and Innovative Process to Construct Testable Component with Systematic Approach”*, ACM SIGSOFT, New York, USA, Vol. 36, No. 1, pp. 1-4.
201. Nasib S. Gill, Sunil Sikka (2011). *“Inheritance Hierarchy Based Reuse & Reusability Metrics in OOSD”*, International Journal of Computer Science & Engineering (IJCSE), Vol. 3, No. 6, June 2011, pp. 2309-2311.
202. Gill, N. S. and Tomar, P. (2010).*“Modified Development Process of Component-Based Software Engineering”*, ACM SIGSOFT, New York, USA, Vol. 35, No. 2, pp. 1-6. (Tagged in <http://www.mendeley.com/research-papers/tag/object+oriented+programming>)
203. Gill N.S. and Balkishan, (2010). *“A Critical Analysis of Component-Based Software Development Metrics”*, International Journal of Computer Science & Management System, Vol. 2, Dec. 2010, pp. 31-37.
204. Nasib S. Gill, Sunil Sikka (2010).*“New Complexity Model for Classes in Object Oriented System”* ACM SIGSOFT Software Engineering Notes, Volume 35 Issue 5, September 2010.
205. Nasib S. Gill, Sunil Sikka (2010).*“Selecting Object-Oriented Metrics for Classification of Faulty and Non-Faulty Classes using Machine Learning Methods”*, International Journal of Object Oriented Software Engineering (IJOOSE), Vol 1, No 1 December 2010.
206. Navneet and Gill, Nasib Singh (2012). *“The Multidisciplinary Approaches of Induction of Decision Tree - A Review”*, IFRSA International Journal of Data Warehousing & Mining (IJDWM), Vol 2, Issue1, Feb 2012, ISSN(Online): 2249-2186, ISSN (PRINT): 2249-716. (Impact factor 2.456).
207. Monika and N. S. Gill(2012).*“An Ant Based Compromising Path Approach to Avoid Selfish Node Attack in Mobile Networks”*, International Journal of Computer Science and Communication Networks (IJCSN), Volume 2, Issue 4, pp. 516-519 Aug 2012. ISSN (Online): 2249-5789 www.ijcsn.com
208. Babita and Nasib Singh Gill(2012).*“An Implementation of Advanced Traffic Control Techniques in MANET”*, International Journal of Computer Science and Management Studies (IJCSMS), Volume 12, Issue 3, Sept. 2012, pp. 216-221. ISSN (Online): 2231-5268.<http://www.ijcsms.com>
209. Manju Rani and Nasib Singh Gill(2012).*“Comparative Study of Various VANET Routing Protocols”*, International Journal of Computer Science and Management Studies (IJCSMS), Special Issue of Volume 12, June 2012, pp. 108-113. ISSN (Online): 2231-5268. <http://www.ijcsms.com>
210. Nasib S. Gill and Balkishan, *“Dependency and Interaction Oriented Complexity Metrics of Component-Based Systems”*, ACM SIGSOFT SEN, Volume 33, Number 2, 2008, ACM Press, New York, NY, USA.
211. Manju Rani and Nasib Singh Gill(2012).*“Position Based Routing in VANET Based on Geographic Approach”*, International Journal of Computer Science and

- Management Studies (IJCSMS), Vol. 12, Issue 03, Sept 2012, pp. 222-225. ISSN (Online): 2231-5268. <http://www.ijcsms.com>
212. Babita and Nasib Singh Gill(2012).“*A Review on Advanced Traffic Control Techniques in Mobile Ad-Hoc Network*”, International Journal of Computer Science and Management Studies (IJCSMS), Volume 12, Issue 3, Sept. 2012, pp.203-207. ISSN (Online): 2231-5268. <http://www.ijcsms.com>
 213. Gill N.S. and Grover P.S., “*Few Important Considerations For Deriving Interface Complexity Metric For Component-Based Systems*”, ACM SIGSOFT SEN, Volume 29, Number 2, Pages 4, 2004, ACM Press, New York, NY, USA.
 214. Ritu and Nasib Singh Gill(2012).“*A Comparison Among Various Techniques to Prioritize the Requirements*”, International Journal of Computer Science and Management Studies (IJCSMS), Vol. 12, Issue 03, Sept 2012, pp. 601-607. ISSN (Online): 2231-5268. <http://www.ijcsms.com>
 215. Ritu and Nasib Singh Gill(2012).“*Software Testing Prioritization Based on Requirement Using Analytic Hierarchy Process*”, International Journal of Engineering Sciences Paradigms and Researches (IJESPR), Vol. 01, Issue 01, Oct 2012, pp. 128-132. ISSN (Online): 2319-6564. <http://www.ijesonline.com>
 216. Gill N.S., “*Importance of Software Component Characterization For Better Software Reusability*”, ACM SIGSOFT SEN, Volume 31, Number 1, Pages 1-3, 2006, ACM Press, New York, NY, USA.
 217. Gill N.S., “*Reusability Issues in Component-based Development*”, ACM SIGSOFT SEN, Volume 28, Number 4, Pages 4, 2003, ACM Press, New York, NY, USA.
 218. Gill N.S. and Grover P.S., “*Component-Based Measurement: Few Useful Guidelines*”, ACM SIGSOFT SEN, Volume 28, Number 6, Pages 4, 2003, ACM Press, New York, NY, USA.
 219. Gill N.S., Grover P.S., Taneja D.R.,“*A New Program Complexity Measure*”, Computer Society of India (CSI) Communication Journal, Nov 1994, pp. 39-42. (This paper has also won 'The Best Paper Award' of the Journal).
 220. Gill N.S., “*Role of Information Technology in Office Automation*”, University News Journal (published by Association of Indian Universities), Vol. 35(23), June 9, 1997, pp. 6-12.
 221. Gill N.S. and Dabas K.C., “*Hazards In Hi-tech Computing*”, ‘i.t’ (The complete magazine on Information Technology), April 1999, pp. 71-74.
 222. Gill N.S., “*Managing Through Technology*”, Utkrisht Prabandh (MDU Research Journal of Management Studies), Vol. 6, 1998, pp. 73-83.
 223. Gill N.S. and Dabas K.C., “*Challenges Before Information Society*”, University News Journal, Vol. 37, No. 12, March 22, 1999, pp. 17-23.
 224. Gill N.S., “*Steps Towards Information Society*”, O D Communication (A Journal of Organisation Development Institute), August 1999, pp. 5-8. (Part-I)
 225. Gill N.S., “*Component-Based Development: A New Approach to Software Engineering*”, ‘i.t’ (The complete magazine on Information Technology), August 2003, pp. 64-67.
 226. Gill N.S. and Grover P.S., “*Software Size Prediction Before Coding*”, ACM SIGSOFT SEN, Volume 29, Number 5, 2004, ACM Press, New York, NY, USA, Pages 1-4.
 227. Gill N.S., “*Information Technology In Higher Education: Role of IT in Office Automation*”, Selections From University News, Vol. 5, AIU New Delhi, 2000, pp. 72-87.

228. Gill N.S., ***“Emerging Trends of ERP”***, University News Journal, Vol. 37, No. 3, Jan. 18, 1999, pp. 12-17.
229. Gill N.S., ***“Steps Towards Information Society”***, O D Communication (A Journal of Organisation Development Institute), August 1999, pp. 21-25. (Part-II)
230. Gill N.S. and Dabas K.C., ***“Information Technology In Higher Education: Challenges Before Information Society”***, Selections From University News, Vol. 5, AIU New Delhi, 2000, pp. 130-145.
231. Gill N.S., ***“Evolution of the Infotech Society”***, University News, Vol. 42 No. 44, November 01-07, 2004, pp. 1-4.
232. Gill N.S. and Grover P.S., ***“Composite Complexity Measures”***, Software Quality and Productivity: Theory, Practice and Training (by Mathew Lee, Ben-Zim Barta and Peter Juliff), Chapman & Hall, Hong-Kong, 1995, pp. 279-283.
233. Gill N.S., ***“Factors Affecting Effective Software Quality Management Revisited”***, ACM SIGSOFT SEN, Volume 30, Number 2, Pages 1-4, 2005, ACM Press, New York, NY, USA.
234. Gill N.S., ***“Bioinformatics: Opportunities and Challenges”***, EDUTRACKS Journal, Vol. 5 No. 8, April 2006, pp. 22-25.
235. Gill N.S. and Tomar Pardeep, ***“Major Challenges Faced in Computer-Based Software Reuse”***, Journal of Computer Science, Volume 2, No. 01, July-August 2006, pp. 53.
236. Nasib S. Gill, ***“Acquiring Quality and Productivity Through ERP Implementation”***, SOCH- Mastnath Journal of Science & Technology, Vol. 2, No. 4, October-December, 2007.
237. Nasib S. Gill and Reena Hooda, ***“Importance of Clustering Technique in Data Mining”***, International Journal of Computer Science and Knowledge Engineering (IJCSKE), Serial Publications, Volume 1, Number 1-2, January- December 2007.
238. Nasib S. Gill and P. Tomar, ***“X Model: A New Component-Based Model”***, MR International Journal of Engineering & Technology, Vol. 1, No. 1 & 2, January-July 2008, Pages 1-10.
239. Nasib S. Gill, ***“Component-Based Software Engineering: A New Agenda for Software Industry”***, SOCH- Mastnath Journal of Science & Technology, Vol. 3, No. 4, October-December, 2008, pp.1-7.
240. Nasib S. Gill and Reena Hooda, ***“Applicability of Fuzzy Logic In Clustering”***, MR International Journal of Engineering & Technology, Vol. 2, No. 1, January 2008.
241. Nasib S. Gill and Reena Hooda, ***“Clustering In Management”***, SANDESH – Mastnath Journal of Management, Volume 3, No. 3 &4, 2008, pp. 12-16.
242. Nasib S. Gill and Sunil Sikka, ***“Defect-oriented Approach to Software Development and Suite of Defect Metrics”***, International Journal of Computer Science, System Engineering and Information Technology (IJCSSEIT), Vol.2 Issue-1 Jan.-Jul 2009.
243. Nasib S. Gill and Sunil Sikka, ***“Fault Proneness of Classes in Object-Oriented Systems”***, International Journal of Computer and Systems Engineering, Volume 1, Number 2, 2008, pp. 103-105.
244. Nasib S. Gill and Balkishan, ***“Effect of Dependencies on Change Impact in Component-Based System”***, ICFAI Journal of Systems Management (IJSYM), Vol. VI, No. 3, August 2008, Pages 40-49.
245. Gill N.S. and Tomar P., ***“CBS Testing Requirement and Test Cases Processes Documentation Revisited”***, ACM SIGSOFT SEN, Volume 32, Number 2, Pages 1-4,

2007, ACM Press, New York, NY, USA.

246. Gill N.S. and Balkishan (2009), *“Component Adaptation Process and Adaptability Viewpoints”*, ACM Journal of SIGSOFT SEN, Volume 34, Issue 6, pp. 1-3.
247. Gill N.S. and Balkishan (2009), *“Controlling Architectural Complexity of Component-Based System During Configuration Change”*, International Journal of Computer Science, System Engineering and Information Technology, Volume 2, Issue 1, pp. 37-40.
248. Gill N.S. and Balkishan (2009), *“Metrics for Reuse Process in Component-Based Systems”*, ICFAI Journal of System Management, Volume 7, Issue 2, December 2009, pp. 7-13.
249. Nasib Singh Gill, Sunil Sikka and Balkishan (2009), *“IT Deployment in Rural Areas: Opportunities, Barriers and Remedial Solutions”*, CSMS Journal (Special Issue on IT and Rural Development) – Social and Management Solutions”, Volume 4, Issue 1 & 2, June & December 2009, pp. 1-8.
250. Gill N.S. and Hooda, R. (2009), *“Prophecy from Scrapped Data Using Nearest Neighbor Method”*, International Journal of Intelligent Information Processing (IJIIP, Volume 3, No. 1, Jan-June 2009, pp. 181-191.
251. Gill N.S. and Hooda, R. (2010), *“Optimizing Multi-path Decision Tree by Clustering and K-Nearest Neighbor Methods”*, IUP Journal of Computer Science, Volume 4, No. 2, April 2010, pp. 7-14.
252. Gill Nasib.S. and Gupta Rajan (2009), *“Prevention and Detection of Financial Statement Fraud: A Data Mining Approach”*, ICFAI Journal of System Management, Volume VII, No. 3, August 2009, pp. 55-68.
253. Kumar, A.; Tomar, P.; Gill, N. S. and Panwar, D.(2011). *“New Optimal Process for Selection of Software Components”*, IMS Manthan Journal.
254. Nasib S. Gill and Reena Hooda, *“Mining the Web: Issues and Appliances”*, KAIM Journal of Management and Research (Bi-annual Journal of KAIM), Volume 3, No. 1, May-October 2010.
255. Nasib Singh Gill and Pardeep Tomar (2009), *“Social Challenges and Role of IT in Rural Development”*, CSMS Journal (Special Issue on IT and Rural Development) – Social and Management Solutions”, Volume 4, Issue 1 & 2, June & December 2009, pp. 1-8.
256. Nasib S. Gill, Sunil Sikka, *“Defect-oriented Approach to Software Development and Suite of Defect Metrics”*, International Journal of Computer Science, System Engineering and Information Technology (IJCSSEIT), Vol.2 Issue-1 pp. 31-36 Jan.-Jul 2009.
257. Panwar, D.; Tomar P.; Gill, N. S. and Kumar, A.(2011). *“New Method to Analyze the Impacts on Reliability and Reusability in Component-Based Software Development”*, IMS Manthan Journal.
258. Nasib S. Gill, Sunil Sikka (2009), *“Fault Proneness of Classes in Object-Oriented Systems”*, International Journal of Computer Engineering (IJCE), Vol. 1, No. 2, pp. 103-105, July-December 2009.
259. Gupta Rajan and Gill Nasib S.(2012), *“Analysis of Data Mining Techniques for Detection of Financial Statement Fraud”*, ICFAI Journal of System Management, February 2012.
260. Gupta Rajan and Gill Nasib Singh (2012). *“Data Mining Techniques - A Key for detection of financial statement fraud”*, International Journal of Computer Science

and Information Security, Vol. 10 No.3, March 2012, pp. 49–57.

261. Gupta Rajan and Gill Nasib Singh (2012). "**Prevention of Financial Statement Fraud Using Data Mining**", International Journal of Computer Science and Information Security, Vol. 10 No.4, April 2012, pp. 55-59.
262. Gupta Rajan and Gill Nasib Singh (2012). "**Prevention and Detection of Financial Statement Fraud – An Implementation of Data Mining Framework**", International Journal of Advanced Computer Science and Applications, published by The Science and information organization, USA (August 2012) (Impact Factor: 1.187), Vol. 3, No. 8, ISSN:2156-5570 (Online), ISSN: 2158-107X (Print), pp. 150-156. DOI: [10.14569/IJACSA.2012.030825](https://doi.org/10.14569/IJACSA.2012.030825) (Web of Science and Scopus indexed). IF - 0.9. (2012)
263. Gupta Rajan and Gill Nasib Singh (2012). "**A Data Mining Framework of Prevention and Detection of Financial Statement Fraud**", International Journal of Computer Application 50(8), 7 – 14, July 2012. Published by Foundation of Computer Science, New York, U.S.A. (Impact Factor: 0.814) ISSN: 0975 – 8887.
264. Nasib Singh Gill and Deepti Sehrawat (2019). Cover Story- "**Machine Learning and Analytics**". CSI Communications, Volume No. 43, Issue No. 2, pp. 12-13, May 2019. ISSN: 0970-647X. http://csi-india.org/Communications/CSIC_May_2019.pdf
265. Amit Sagu, Tarika Verma and Nasib Singh Gill (2019). Cover Story- "**Machine Learning and Data Analytics**". CSI Communications, Volume No. 43, Issue No. 2, pp. 6-8, May 2019. ISSN: 0970-647X. http://csi-india.org/Communications/CSIC_May_2019.pdf
266. Tarika Verma, Amit Sagu and Nasib Singh Gill (2019). Research Front- "**Data Analytics in Machine Learning: Role and Future Perspectives**". CSI Communications, Volume No. 43, Issue No. 3, pp. 41-43, June 2019. ISSN: 0970-647X. http://csi-india.org/Communications/CSIC_May_2019.pdf

B) Chapters Published in National/International Edited Books

267. Gill N.S. and Dabas K.C., "**Changed Roles and Responsibilities of Information Professionals**", 48th ILA Conference Volume, Jan. 2003, pp. 725-731 and Chapter 16 of the book "**Quality Management in Libraries**" by K.C. Dabas, EssEss Publications, New Delhi, 2008, pp. 242-249.
268. Gill N.S. and Dabas K.C., "**Library Computer Network Security: Few Guidelines**", Proceedings of International CALIBER-2003, Feb. 2003, pp. 715(Abstract) and Chapter 13 of the book "**IT Applications for TQM and Library Marketing**" by K.C. Dabas, Ess Ess Publications, New Delhi, 2008, pp. 194-198.
269. Gill N.S., Dabas K.C., Singh S., Dabas S., "**Automation Scenario in University Libraries: A Study of Some Selected Libraries**", Proceedings of International CALIBER-2003, Feb. 2003, pp. 81-97 and Chapter 12 of the book "**IT Applications for TQM and Library Marketing**" by K.C. Dabas, Ess Ess Publications, New Delhi, 2008, pp. 121-134.
270. Gill N.S., Dabas K.C., "**Perspective on Human Resource Development: An Agenda For Library And Information Staff**", S.D. Vyas et. al (Eds): *Readings in Library and Information Science: Festschrift S.P. Sood*. Jaipur, 2000, pp. 99-104.
271. Gill N.S., Grover P.S., Singh R., "**Measuring Software Systems**," published in book '**Operations Research: Theory and Practice**', SPANIEL Pub., New Delhi, 1994, pp. 71-93.

272. Gill N.S., **"Exploitation of IT Potentials For Automation of Offices"**, Invited Paper for a **Volume of Book on Higher Education** by Prof. V.T. Patil, Karnatak Univ., Dharwad.
273. Gill N.S. and Dabas K.C., **"Information Society in 21st Century", Excellence in Information Technology**: Book published by S.D. Vyas & Others, Raj Publishing House, Jaipur, pp. 228-240.
274. Gill N.S., **"Emerging Trends of Digital Libraries"**, Chapter-5 in **book "Advances in Library and Information Science"** Volume 5 (Digital Library), Scientific Publishers (India), 2005, pp. 55-71.
275. Gill N.S. and Dabas K.C., **"Appropriate Technology for Qualitative and Sustainable Librarianship"**, 43rd ILA Conference Volume, Chandigarh, Nov. 97, pp. 259-271 and Chapter 11 of the book **"IT Applications for TQM and Library Marketing"** by K.C. Dabas, Ess Ess Publications, New Delhi, 2008, pp. 151-165.
276. Gill N.S. and Dabas K.C., **"TQM and Reengineering for Library Services: MDUL Style"**, IASLIC XXI All India Conference, Coimbatore, 26-29 Dec. 97 and Chapter 5 of the book **"Quality Management in Libraries"** by K.C. Dabas, EssEss Publications, New Delhi, 2008, pp. 64-78.
277. Gill N.S. and Dabas K.C., **"Managing Quality in University Library for Sustainable Library Management"**, 43rd ILA Conference Volume, Chandigarh, Nov. 97, pp. 33-45 and Chapter 4 of the book **"Quality Management in Libraries"** by K.C. Dabas, Ess Ess Publications, New Delhi, 2008, pp. 47-52.
278. Gill N.S., **"Emerging Opportunities & Challenges of Information Superhighway"**, Chapter-5 in book **"Approaches to Modern Librarianship"**, Sanjay Prakashan, New Delhi, 2006, pp. 115-137.
279. Gill N.S. and Dabas K.C., **"Internet for Libraries: Need of the Hour"**, Chapter 7 of the book **"IT Applications for TQM and Library Marketing"** by K.C. Dabas, Ess Ess Publications, New Delhi, 2008, pp. 92-108.
280. Gill N.S. and Dabas K.C., **"Accessibility of Information Through Information Systems And Services: An Agenda"**, Proceedings of XVII National Seminar of IASLIC, 1998, pp. 110-112 and Chapter 6 of the book **"IT Applications for TQM and Library Marketing"** by K.C. Dabas, Ess Ess Publications, New Delhi, 2008, pp. 87-89.
281. Gill N.S. and Dabas K.C., **"Empowering Library Employees With Knowledge, Skills, Dignity and Attitudes: Some Experiences, Observations and Realizations"**, 44th ILA Conference Volume, Hyderabad, 1999, pp. 512-521 and Chapter 14 of the book **"Quality Management in Libraries"** by K.C. Dabas, Ess Ess Publications, New Delhi, 2008, pp. 212-225.
282. Gill N.S. and Dabas K.C., **"Interneting University Libraries: Some Reflections From Better World"**, INFLIBNET Volume of CALIBER-99, 1999, pp. 112-121 and Chapter 8 of the book **"IT Applications for TQM and Library Marketing"** by K.C. Dabas, Ess Ess Publications, New Delhi, 2008, pp. 109-120.
283. Gill N.S. and Dabas K.C., **"Impact of Information Technology on Social Development"**, ILA Volume of XLII All India Lib. Conference, 1996, pp. 305-322 and Chapter 3 of the book **"IT Applications for TQM and Library Marketing"** by K.C. Dabas, Ess Ess Publications, New Delhi, 2008, pp. 32-50.
284. Gill N.S., **"Digital Libraries: Its Emergence and Challenges"**, INFLIBNET Volume of CALIBER-98, 1998, pp. 322-329 and Chapter 14 of the book **"IT Applications for TQM and Library Marketing"** by K.C. Dabas, Ess Ess Publications, New Delhi, 2008, pp. 200-209.
285. Gill N.S. and Dabas K.C., **"Intranet: Its Emergence And Usefulness"**, INFLIBNET Volume of CALIBER-99, pp. 100-111 and Chapter 9 of the book **"IT Applications for**

- TQM and Library Marketing*” by K.C. Dabas, Ess Ess Publications, New Delhi, 2008, pp. 121-134.
286. Nasib S. Gill (2009). “**Enterprise Information Systems in 21st Century: Opportunities and Challenges**”. Invited Chapter in the Edited book, Authors: Balram Dogra, et.al. ISBN 978-81-8450-183-4, pp. 3-14, 2009.
 287. Gill N.S. and Dabas K.C., “**Understanding the Essentials of TQM For Library And Information Management in Academic Settings**”, INFLIBNET Volume of CALIBER-98, 1998, pp. 133-138 and Chapter 1 of the book “**Quality Management in Libraries**” by K.C. Dabas, Ess Ess Publications, New Delhi, 2008, pp. 3-8.
 288. Gill N.S. and Dabas K.C., “**Knowledge Management: An Overview, Exploration and Implementation in University Libraries**”, National Library And Information Networking (NACLIN 2000), DELNET, New Delhi, pp. 18-31 and Chapter 5 of the book “**IT Applications for TQM and Library Marketing**” by K.C. Dabas, Ess Ess Publications, New Delhi, 2008, pp. 67-83.
 289. Gill N.S. and Dabas K.C., “**CD-ROM Networking in Libraries: Need of the Hour**”, National Library And Information Networking (NACLIN 2000), DELNET, New Delhi, pp. 117-128 and Chapter 10 of the book “**IT Applications for TQM and Library Marketing**” by K.C. Dabas, Ess Ess Publications, New Delhi, 2008, pp.135-148.

C) Papers Published in Proceedings of International Conferences and IT Magazines/Newspapers/Bulletins

290. B. Goyal, N. S. Gill and P. Gulia, "Advancing Fake Profile Detection: A Machine Learning Perspective," 2024 4th International Conference on Intelligent Technologies (CONIT), Bangalore, India, 2024, pp. 1-8, doi: 10.1109/CONIT61985.2024.10626194. [IEEE Xplore]
291. Sangeeta Duhan, Preeti Gulia, Nasib S. Gill (April, 2024), “Exploring Image Augmentation Techniques for Enhanced Deep learning based Plant Disease Identification”, International Conference on ICT for Digital, Smart and Sustainable Development organized by Dept. of CSE, Jamia Hamdard, New Delhi. [Scopus Indexed]
292. Chhaya Gupta, Nasib Singh Gill and Preeti Gulia (February, 2024), “A State-of-the-Art Review of Deep Learning-Based Object Detection Methods and Techniques”, International Conference on Innovative Computing and Communication (ICICC-2024) (SCOPUS Indexed).
293. Rani, D.; Gill, N.S.; Gulia, P.; Chahal, A.; Sagu, A. (Nov, 2022) Digital Forensics in IoT Enabled Smart Environment: Need of the Hour. In *International Conference on Computing, Communication, and Intelligent Systems (ICCCIS)*; 2022; Sharda University, Greater Noida.
294. Sagu, A.; Gill, N.S.; Gulia, P.; Rani, D.; Chahal, A. (Nov. 2022) Comparative Analysis of Machine Learning Algorithms for Securing IoT Enabled Environment. In *International Conference on Computing, Communication, and Intelligent Systems (ICCCIS)*; 2022; Sharda University, Greater Noida.
295. Sagu A.; Gill N. S.; and Gulia P. (Feb 17, 2023) Machine Learning Approach for Securing of IoT Environment. presented at the 6th International Conference on Innovative Computing & Communication (ICICC-2023) Springer, Delhi, India.
296. Nasib Singh Gill, Preeti Gulia, Amit Sagu and Bharti Goyal (October 2023), “**Preserving Users’ Sensitive Data in Physical and Virtual World Using Machine Learning: A Strategy**”, the 7th International Conference on Information System and Data Mining (ICISDM), May 10-12, 2023, Atlanta, USA, pp. 18-23 DOI:[10.1145/3603765.3603773](https://doi.org/10.1145/3603765.3603773).
297. Gupta, C.; Rao, S.; Gill, N.S.; Gulia, P. A Deep Learning based Framework for

- analyzing stress factor among working women. In Proceedings of International Conference on Innovations in Data Analytics, ICIDA; Nov 29-30, 2022.
298. Ritu Ratra, Preeti Gulia, Nasib Singh Gill, **“Performance Analysis of Classification Techniques in Data Mining using WEKA”**, in *International Conference On Data Analytics And Management (ICDAM-2021)*, proceeding published by Elsevier SSRN Reputed Series, Available at SSRN: <https://ssrn.com/abstract=3879610https://dx.doi.org/10.2139/ssrn.3879610>
 299. Rashi Singh, Nasib Singh Gill, Preeti Gulia, **“The Security of Smart Grid: A SWOT Analysis”** *4th International E-Conference On Incipient Research In Information Technology, Commerce, Management And Linguistics - 2021* organized by QMCM, Chennai & Dambi Dollo University, Dambi Dollo, Oromia Region, Ethiopia.
 300. Ritu Ratra, Preeti Gulia, Nasib Singh Gill, **“Performance Analysis of Classification Techniques in Data Mining using WEKA”**, in *International Conference On Data Analytics And Management (ICDAM-2021)*, proceeding published by Elsevier SSRN Reputed Series, Available at SSRN: <https://ssrn.com/abstract=3879610https://dx.doi.org/10.2139/ssrn.3879610>
 301. Rashi Singh, Nasib Singh Gill, Preeti Gulia, **“The Security of Smart Grid: A SWOT Analysis”** *4th International E-Conference On Incipient Research In Information Technology, Commerce, Management And Linguistics - 2021* organized by QMCM, Chennai & Dambi Dollo University, Dambi Dollo, Oromia Region, Ethiopia.
 302. Sehrawat Deepti, N. S. Gill and Munisha Devi (2019). **“Comparative Analysis of Lightweight Block Ciphers in IoT-Enabled Smart Environment”**. In *Proceedings of the IEEE 6th International Conference on Signal Processing and Integrated Networks (SPIN 2019)*. IEEE Xplore (Scopus) <https://ieeexplore.ieee.org/document/8711697>, DOI: 10.1109/SPIN.2019.8711697
 303. Sehrawat Deepti and N. S. Gill (2019). **“Smart Sensors: Analysis of different Types of IoT Sensors”**. In *Proceedings of the 3rd International Conference on Trends in Electronics and Informatics (ICOEI-2019)*, available at IEEE Explore, pp. 324-329, organized by SCAD College of Engineering and Technology on April 23-25, 2019 at Tirunelveli, India. [Scopus Indexed]. <http://icoei.com/icoei19/publication.html>
 304. Sehrawat Deepti and N. S. Gill (2018). **“Security Requirements of IoT Applications in Smart Environment”**. In *Proceedings of the 2nd International Conference on Trends in Electronics and Informatics (ICOEI-2018)*, available at IEEE Explore, pp. 324-329, organized by SCAD College of Engineering and Technology on 11-12 May, 2018 at Tirunelveli, India. [Scopus Indexed]. <https://ieeexplore.ieee.org/document/8553681>
 305. Sehrawat Deepti, N. S. Gill, **“Internet of Things: Opportunities and Future Scope”**. In *Proceedings of the International Conference on Emerging Trends in Science & Technology (ICETST-2018)*, organized by Gateway Institute of Engineering and Technology (GIET), Sonipat, April 13, 2018.
 306. Divya Dalal, Nasib Singh Gill, Latika Singh. **“Built-in testing in component-based software - a mapping study”**, Proc. of Computing for 2nd International Conference on

Sustainable Global Development (INDIACom), March 11-13, 2015. IEEE Xplore Digital Library. <http://ieeexplore.ieee.org/document/7100239/>

307. Kapil Juneja and Nasib Singh Gill (2015). ***“Tied multi-rubber band model for camera distance, shape and head movement robust facial recognition”***, Proc. of 2015 International Conference on Applied and Theoretical Computing and Communication Technology (iCATccT), Devangere, India, Oct. 29-31, 2015, pp. 218-223, INSPEC Accession Number: 15937380, DOI: [10.1109/ICATCCT.2015.7456885](https://doi.org/10.1109/ICATCCT.2015.7456885). **IEEE Xplore Digital Library.**
<http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=7456885&queryText=kapil%20juneja&newsearch=true>
308. Kapil Juneja and Nasib Singh Gill (2015). ***“A hybrid mathematical model for face localization over multi-person images and videos”***, Proc. of 2015 4th International Conference on Reliability, Infocom Technologies and Optimization (ICRITO) (Trends and Future Directions), Noida, India, Sept. 2-4, 2015, pp. 1-6, ISBN: 978-1-4673-7230-5, INSPEC Accession Number: 15663779, DOI: 10.1109/ICRITO.2015.7359364. **IEEE Xplore Digital Library.**
<http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=7359364&queryText=kapil%20juneja&newsearch=true>
309. Kapil Juneja and Nasib Singh Gill (2015). ***“A four level aggregative weight scanned model facial quiz image identification”***, Proc. of 2015 IEEE International Conference on Computer Graphics, Vision and Information Security (CGVIS), Bhubaneswar, India, Nov.2-3,2015, pp.214-219,ISBN:978-1-4673-7436-1, INSPEC Accession Number:15905136, DOI: 10.1109/CGVIS.2015.7449924. **IEEE Xplore Digital Library.**
<http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=7449924&queryText=kapil%20juneja&newsearch=true>
310. Kapil Juneja and Nasib Singh Gill (2015). ***“A PCT/PST improved HMM-PCA model for pose robust facial recognition”***, Proc. of 2015 International Conference on Applied and Theoretical Computing and Communication Technology (iCATccT), Devangere, India, Oct. 29-31, 2015, pp.131-136, INSPEC Accession Number: 15937380, DOI: [10.1109/ICATCCT.2015.7456885](https://doi.org/10.1109/ICATCCT.2015.7456885). **IEEE Xplore Digital Library.**
<http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=7456869&queryText=kapil%20juneja&newsearch=true>
311. Nasib Singh Gill and Meenakshi Sharma (2014), ***“Application of Fuzzy Inference System in Measuring Maintainability of Object-Oriented Software”***, Proc. of the 2014 International Conference on Software Engineering Research and Practice (SERP-14), Las Vegas, USA.
312. Dinesh Kumar, Pradeep Tomar and Nasib Singh Gill (2012). ***“A Semantic Analysis of Component-Based Web Services Framework for Component-Based Software”***, Proceedings of International Conference on Innovations and Advancements in Information and communication Technology (ICIAICT-2012), G.B.University, Greater Noida, March 30-31, 2012, pp. 25-32.
313. Monika and N. S. Gill(2012). ***“An Combined Ant Optimized Path Selection Approach for Reliable Packet Delivery”***,Proc. of International Conference of Recent Trends on Computer Technology in Academia (ICRTCTA), April2012.www.icrtcta.org
314. Nasib Singh Gill (2012). ***“Next Generation Computing Technologies: Opportunities and Challenges”***, Proc. of International Conference ICHDMS-2012 organised by Department of Mathematics, M.D. University, Rohtak during November 21-24, 2014.
315. Nasib Singh Gill, Kapil Juneja and Mamta Ghalan (2011). ***“Two Locks Symmetric***

Cryptography with Solution of Social Hacking, Proc. of the International Conference on Science and Engineering (ICSE 2011), pp. 245-248. RGEducation Society, ISBN: 978- 981-08-7931-0

316. **Nasib Singh Gill, Kapil Juneja, Anita Singhroha and Anuradha (2011). “A Statistical Approach to Perform Intrusion Detection in Wireless Network”, Proc. of the International Conference on Science and Engineering (ICSE 2011), pp. 240-244. RG Education Society, ISBN: 978-981-08-7931-0**
317. **Sumit Kumar Singh, Pradeep Tomar and Nasib Singh Gill (2012). “New Hybrid Scheduling Algorithm Based on Priority and Shortest Job First Scheduling”, Proceedings of International Conference on Innovations and Advancements in Information and communication Technology (ICIAICT-2012), G.B.University, Greater Noida, March 30-31, 2012, pp. 174-180.**
318. **Hema Kashyap, Pradeep Tomar and Nasib Singh Gill (2012). “A Comparative Analysis of Aspect Mining Approaches”, Proceedings of International Conference on Innovations and Advancements in Information and communication Technology (ICIAICT-2012), G.B.University, Greater Noida, March 30-31, 2012, pp. 239-244.**
319. **Tomar, P. and Gill, N. S.(2010). “Verification & Validation of Component with New X Component-Based Model”, Proc. of 2010 International Conference on Software Technology and Engineering, San Juan, Puerto Rico, USA, ISBN: 978-1- 4244-8667-0, Vol. 2, pp.V2 365-V2 371.(Indexed in IEEE Xplore)**
320. **Gill N.S. and Hooda, R. (2010), “Predictive Data Mining: Rolling from Data to Intelligence”, Proc. Of International Conference on Innovative Technologies (ICIT-09), P-93.**
321. **Nasib S. Gill, “Need of Appropriate Component Reusability Metrics and Standards for Component-Based Systems”, Proc. of the 2008 International Conference on Software Engineering Theory and Practice (SETP-08), pp. 123-127.**
322. **Gill N.S., Lycett M., deCesare Sergio, “Measurement of Component-Based Software: Some Important Issues”, 7th Annual UKAIS Conference Proceedings, Leeds, UK, April 2002, pp. 373-381.**
323. **Gill N.S., Grover P.S., Taneja D.R., "System Complexity As An Aid To Quality Assurance", Proceedings of IEEE First International Conference on Software Testing, Reliability, and Quality Assurance (STRQA'95), New Delhi, Feb 1995, pp. 116-120.**
324. **Gill N.S., Tomar Pardeep, “Component-Based Software Testing: A Roadmap (Abstract)”, Proc. of 4th International Conference on Computer Science and Its Applications (ICCSA-2006), June 27-29, 2006, California, USA.**
325. **Gill N.S. and Dabas K.C., “Data Mining: A Key To Knowledge Society”, Volume II of Proc. of International Conference on Information Management (ICIM) In A Knowledge Society (ICIM 2005), Feb. 21-25, 2005, pp. 1059-1060.**
326. **Gill N.S. and Dabas K.C., “Role of Data Mining and Warehousing For Future Libraries”, INFLIBNET 2nd International CALIBER-2004, February 11-13, 2004.**
327. **Gill N.S. and Grover P.S., “Measuring Component-Based Systems”, National Conference on Software Engineering Principles And Practices (SEPP-04), March 5-6, 2004.**
328. **Gill N.S., Tomar P., Singh R., “Wireless Communication Through WATM: Past, Present and Future”, Proc. of International Conference on Challenges in Networking & Future of e-Commerce (CNFE-05), April 9-10, 2005; pp. 181-188.**
329. **Gill N.S., Tomar P., “Component Traceability, Testability and Testing: A Challenge in Component-Based Software Development”, Proc. of International Conference on Trends**

- in Information Sciences and Computing (TISC) organized by Sathyabama University & Tata Consultancy Services (TCS) in Chennai, INDIA, 2007.
330. Gill N.S., Tomar P., ***“Impacts of Inadequate Testing and Testing Infrastructure in Component-Based Software Testing and Development”***, Proc. of International Conference on Trends in Information Sciences and Computing (TISC) organized by Sathyabama University & Tata Consultancy Services (TCS) in Chennai, INDIA, 2007.
 331. Gill N.S., Tomar P., ***“Origin, Growth and Future of Software in Service Industry in India”***, Proc. of International Conference on Trends in Information Sciences and Computing (TISC) organized by Sathyabama University & Tata Consultancy Services (TCS) in Chennai, INDIA, 2007.
 332. Gill N.S., ***“Computer: An Introduction”***, Haryana Science Bulletin (Hindi Magazine), October 1991, pp. 5-7.
 333. Gill N.S., ***“Increasing Danger of Virus”***, Haryana Science Bulletin (Hindi Magazine), August 1991, pp. 11-12.
 334. Gill N.S., ***“Y2K Crisis and Its Social Implications”***, HomePages News Paper, April 27, 1999.

D) Papers Published in Proceedings of National Conferences

335. Deepak, Gulia. P., Gill N.S. and Punia A. (21 March 2024)” **The Role of Blockchain in Ensuring Privacy and Security in Digital Identity Systems: A Review**”, National Conference on Future Computing Technologies for Sustainable Development (NCFCTSD- 24) Organised by DCSA, MDU Rohtak, ISBN: 978-93-80544-57-1, pp. 93-97
336. Chaudhary. P, Gulia P., Gill N.S., and Duhan S. (21 March, 2024) **“Machine learning techniques for crop yield forecasting in smart agriculture”**, National Conference on Future Computing Technologies for Sustainable Development (NCFCTSD-24) Organised by DCSA, MDU Rohtak, ISBN: 978-93-80544-57-1, pp. 98-103
337. Saini. A., Gulia P., and Gill N.S. (21 March, 2024) **“Advancements in Computer Vision: A Comprehensive Review and Future Perspectives”**, National Conference on Future Computing Technologies for Sustainable Development (NCFCTSD-24) Organised by DCSA, MDU Rohtak, ISBN: 978-93-80544-57-1, pp. 114- 118
338. Punia. A., Gulia P., Gill N.S. and Kaushik D. (21 March, 2024) **“Blockchain Based Trust Management in Cloud Environment”**, National Conference on Future Computing Technologies for Sustainable Development (NCFCTSD-24) Organised by DCSA, MDU Rohtak, ISBN: 978-93-80544-57-1, pp. 119- 124
339. Nisha, Gulia P., and Gill N.S. (21 March, 2024) **“A Comprehensive Review of Machine Learning Methods for Secure IoT Environment”**, National Conference on Future Computing Technologies for Sustainable Development (NCFCTSD-24) Organised by DCSA, MDU Rohtak, ISBN: 978-93-80544-57-1, pp. 125- 128.
340. Gupta C., Duhan S., Gulia P., and Gill N.S. (21 March, 2024) **“Object Detection in the Real World Using Deep Learning”**, National Conference on Future Computing Technologies for Sustainable Development (NCFCTSD-24) Organised by DCSA, MDU Rohtak, ISBN: 978-93-80544-57-1, pp. 139- 144

341. Duhan S., Gulia P., Gill N.S., and Chaudhary P. (21 March, 2024) “**Exploring Various Techniques Involved in Machine Learning Based Plant Disease Identification**”, National Conference on Future Computing Technologies for Sustainable Development (NCFCTSD- 24) Organised by DCSA, MDU Rohtak, ISBN: 978-93-80544-57-1, pp. 144- 150
342. S. Rashi., Gulia P., and Gill N.S. (21 March, 2024) “**Cyber-Security in Smart Grid: Survey and Challenges**”, National Conference on Future Computing Technologies for Sustainable Development (NCFCTSD-24) Organised by DCSA, MDU Rohtak, ISBN: 978-93-80544-57-1, pp. 151- 158
343. Chahal. A., Gulia P., Gill N.S and Duhan.S (21 March, 2024) “**Federated Learning: Handling Data in a Heterogeneous IoT enabled Environment**”, National Conference on Future Computing Technologies for Sustainable Development (NCFCTSD-24) Organised by DCSA, MDU Rohtak, ISBN: 978-93-80544-57-1, pp. 171- 176
344. Sagu Amit, Gill Nasib Singh, Gula P. (21 March, 2024) “**Machine Learning Applications for Detecting and Mitigating IoT Threats**”, National Conference on Future Computing Technologies for Sustainable Development (NCFCTSD-24) Organised by DCSA, MDU Rohtak, ISBN: 978-93-80544-57-1, pp. 258-262.
345. Yadav B., Gill Nasib Singh, Gula P. (21 March, 2024) “**Security on IoT devices using Machine Learning**”, National Conference on Future Computing Technologies for Sustainable Development (NCFCTSD-24) Organised by DCSA, MDU Rohtak, ISBN: 978- 93-80544-57-1, pp. 397-402.
346. Rani D., Gill Nasib Singh, Gula P., Kaushik D. (21 March, 2024) “**Blockchain-as-a- Solution to Prevent Cyber-attacks in Internet of Things**”, National Conference on Future Computing Technologies for Sustainable Development (NCFCTSD-24) Organised by DCSA, MDU Rohtak, ISBN: 978-93-80544-57-1, pp. 414-419.
347. Pinki, Gill Nasib Singh (21 March, 2024) “**Natural language processing and its Application**”, National Conference on Future Computing Technologies for Sustainable Development (NCFCTSD-24) Organised by DCSA, MDU Rohtak, ISBN: 978-93-80544-57-1, pp. 485-491.
348. Rani K., Gill Nasib Singh, Gula P., (21 March, 2024) “**Secure Collaboration: Federated Learning and Privacy Preservation Techniques**”, National Conference on Future Computing Technologies for Sustainable Development (NCFCTSD-24) Organised by DCSA, MDU Rohtak, ISBN: 978-93-80544-57-1, pp. 652-656.
349. Anita, Gill Nasib Singh (21 March, 2024) “**Exploring with Sustainable E-Waste Management**”, National Conference on Future Computing Technologies for Sustainable Development (NCFCTSD-24) Organised by DCSA, MDU Rohtak, ISBN: 978-93-80544-57-1, pp. 693-697.
350. Chhaya Gupta, Sangeeta Yadav, Nasib Singh Gill and Preeti Gulia (March 2023). **EARLY DETECTION FOR TYPE- DIABETES USING A MACHINE LEARNING APPROACH**, Proc. *National Conference on Computational Intelligence and Data Science (NCCIDS)*; 2023; Department of Computer Science & Applications, MDU, Rohtak, pp. 53-57.

351. Bharti Goyal, Nasib Singh Gill and Preeti Gulia (March 2023). DETECTION OF FAKE PROFILES ON ONLINE SOCIAL MEDIA: A STRATEGY. Proc. *National Conference on Computational Intelligence and Data Science (NCCIDS)*; 2023; Department of Computer Science & Applications, MDU, Rohtak, pp. 78-82.
352. Sangeeta Yadav, Chhaya Gupta, Preeti Gulia, Nasib Singh Gill (March 2023). ANALYTICAL REVIEW OF DEEP LEARNING STRATEGIES FOR IMPROVED VIDEO COMPRESSION. Proc. *National Conference on Computational Intelligence and Data Science (NCCIDS)*; 2023; Department of Computer Science & Applications, MDU, Rohtak, pp. 112-117.
353. Sangeeta Duhan, Preeti Gulia and Nasib Singh Gill, Ashish Saini (March 2023). DISEASE IDENTIFICATION IN RICE PLANTS USING MACHINE LEARNING: A REVIEW. Proc. *National Conference on Computational Intelligence and Data Science (NCCIDS)*; 2023; Department of Computer Science & Applications, MDU, Rohtak, pp. 122-126.
354. Ritu Ratra, Preeti Gulia, Nasib Singh Gill (March 2023). SECURITY AND PRIVACY ISSUES IN INTERNET OF THINGS (IoT) ASSEMBLED ENVIRONMENT: A REVIEW. Proc. *National Conference on Computational Intelligence and Data Science (NCCIDS)*; 2023; Department of Computer Science & Applications, MDU, Rohtak, 127-133.
355. Aarti Punia Rathee, Preeti Gulia, Nasib Singh Gill and Deepak Kaushik (March 2023). RELEVANCE OF BLOCKCHAIN TECHNOLOGY IN DIGITAL WORLD: A REVIEW. Proc. *National Conference on Computational Intelligence and Data Science (NCCIDS)*; 2023; Department of Computer Science & Applications, MDU, Rohtak, pp. 146-150.
356. Nisha, Nasib Singh Gill, Preeti Gulia (March 2023). A COMPREHENSIVE REVIEW OF INTRUSION DETECTION SYSTEM FOR IOT ENABLED ENVIRONMENT. Proc. *National Conference on Computational Intelligence and Data Science (NCCIDS)*; 2023; Department of Computer Science & Applications, MDU, Rohtak, pp. 200-203.
357. Deepti Sehrawat, Munisha Devi, Nasib Singh Gill and Preeti Gulia (March 2023). 5G AND IOT: NEXT-GENERATION WIRELESS TECHNOLOGIES. Proc. *National Conference on Computational Intelligence and Data Science (NCCIDS)*; 2023; Department of Computer Science & Applications, MDU, Rohtak, pp. 229-233.
358. Rashmi Singh, Nasib Singh Gill, and Preeti Gulia, Amit Sagu (March 2023). THE INTRUSION DETECTION SYSTEM FOR ENSURING SECURITY IN THE SMART GRID: A REVIEW. Proc. *National Conference on Computational Intelligence and Data Science (NCCIDS)*; 2023; Department of Computer Science & Applications, MDU, Rohtak, pp. 250-254.
359. Deepak Kaushik, Preeti Gulia, Nasib Singh Gill and Aarti Punia Rathee (March 2023). A REVIEW OF BLOCKCHAIN TECHNOLOGY IN IOT-BASED SMART ENVIRONMENTS: BENEFITS, APPLICATIONS, AND CHALLENGES. Proc. *National Conference on Computational Intelligence and Data Science (NCCIDS)*; 2023; Department of Computer Science & Applications, MDU, Rohtak, pp. 272-276.
360. Ayushi Chahal, Preeti Gulia and Nasib Singh Gill (March 2023). PREDICTIVE ANALYTICS TECHNIQUES FOR IOT-ENABLED ENVIRONMENT: A COMPREHENSIVE REVIEW. Proc. *National Conference on Computational Intelligence and Data Science (NCCIDS)*; 2023; Department of Computer Science & Applications, MDU, Rohtak, pp. 277-282.
361. Deepti Rani, Nasib Singh Gill and Preeti Gulia (March 2023). A COMPARATIVE STUDY OF RECENT ENCRYPTION TECHNIQUES AND CRYPTOGRAPHIC HASH

- FUNCTIONS FOR DIGITAL INFORMATION SECURITY. Proc. *National Conference on Computational Intelligence and Data Science (NCCIDS)*; 2023; Department of Computer Science & Applications, MDU, Rohtak, pp. 283-288.
362. Priyanka Singh, Nasib Singh Gill, Preeti Gulia (March 2023). DATA-DRIVEN INTELLIGENT DECISION MAKING IN SMART HEALTHCARE. Proc. *National Conference on Computational Intelligence and Data Science (NCCIDS)*; 2023; Department of Computer Science & Applications, MDU, Rohtak, 326-330.
363. Palak, Dr. Preeti Gulia, Dr. Satish Kumar, Ms. Venu (March 2023). IOT SECURITY CHALLENGES AND PROSPECTIVE MEASURES. Proc. *National Conference on Computational Intelligence and Data Science (NCCIDS)*; 2023; Department of Computer Science & Applications, MDU, Rohtak, 355-362.
364. Rahul, Preeti Gulia, Nasib Singh Gill (March 2023). EQUIPMENT'S OF BLOCKCHAIN ENABLED E-VOTING SYSTEM. Proc. *National Conference on Computational Intelligence and Data Science (NCCIDS)*; 2023; Department of Computer Science & Applications, MDU, Rohtak, pp. 509-513.
365. Preety, Preeti Gulia, Nasib Singh Gill (March 2023). INTERNET OF THINGS (IOT) SECURITY AND PRIVACY: A REVIEW. Proc. *National Conference on Computational Intelligence and Data Science (NCCIDS)*; 2023; Department of Computer Science & Applications, MDU, Rohtak, pp. 573-578.
366. Amit Sagu, Nasib Singh Gill, Preeti Gulia, Rashmi Singh (March 2023). ANOMALY DETECTION APPROACHES FOR IOT USING DEEP LEARNING MODELS: REVIEW. Proc. *National Conference on Computational Intelligence and Data Science (NCCIDS)*; 2023; Department of Computer Science & Applications, MDU, Rohtak, pp. 603-607.
367. Ashish Saini, Nasib Singh Gill, Preeti Gulia, Sangeeta Duhan (March 2023). RECENT ADVANCES IN IMAGE DENOISING AND RECOGNITION TECHNIQUES: A REVIEW. Proc. *National Conference on Computational Intelligence and Data Science (NCCIDS)*; 2023; Department of Computer Science & Applications, MDU, Rohtak, pp. 608-612.
368. Bharti Yadav, Nasib Singh Gill, Preeti Gulia (March 2023). MACHINE LEARNING IN HEALTHCARE: A REVIEW. Proc. *National Conference on Computational Intelligence and Data Science (NCCIDS)*; 2023; Department of Computer Science & Applications, MDU, Rohtak, pp. 718-722.
369. Deepti Rani and Nasib Singh Gill (2019). **"Role of Forensics in IoT Enabled Smart Environment: Security Issues and Challenges"**, *Proceedings of National Conference on Emerging Trends in Smart Computing (ETSC-19)*, Maharshi Dayanand University, Rohtak (ISBN 978-93-80544-35-9), March 27, 2019, pp. 399-402.
370. Tarika Verma and Nasib Singh Gill (2019). **"Essence of Fog Computing: Issues and Necessary Paradigms"**, *Proceedings of National Conference on Emerging Trends in Smart Computing (ETSC-19)*, Maharshi Dayanand University, Rohtak (ISBN 978-93-80544-35-9), March 27, 2019, pp. 369-372.
371. Deepti Sehrawat and Nasib Singh Gill (2019). **"IoT Sensors: Architectural Elements of Smart Environment"**, *Proceedings of National Conference on Emerging Trends in Smart Computing (ETSC-19)*, Maharshi Dayanand University, Rohtak (ISBN 978-93-80544-35-9), March 27, 2019, pp. 373-377.
372. Pooja Singh and Nasib Singh Gill (2019). **"Comparison Analysis of Cloud-Based Routing Protocols in WSN"**, *Proceedings of National Conference on Emerging Trends*

- in *Smart Computing (ETSC-19)*, Maharshi Dayanand University, Rohtak (ISBN 978-93-80544-35-9), March 27, 2019, pp. 414-417.
373. Munisha Devi and Nasib Singh Gill (2019). **“Implementing IoT Enabled Smart Environment: Opportunities and Challenges”**, *Proceedings of National Conference on Emerging Trends in Smart Computing (ETSC-19)*, Maharshi Dayanand University, Rohtak (ISBN 978-93-80544-35-9), March 27, 2019, pp. 418-421.
 374. Sangeeta and Nasib Singh Gill (2019). **“Class Imbalance Issues in Machine Learning Based Classification: A Review”**, *Proceedings of National Conference on Emerging Trends in Smart Computing (ETSC-19)*, Maharshi Dayanand University, Rohtak (ISBN 978-93-80544-35-9), March 27, 2019, pp. 449-453.
 375. Amit Sagu and Nasib Singh Gill (2019). **“Review of Lightweight Cryptography Algorithms for IoT Environment”**, *Proceedings of National Conference on Emerging Trends in Smart Computing (ETSC-19)*, Maharshi Dayanand University, Rohtak (ISBN 978-93-80544-35-9), March 27, 2019, pp. 292-295.
 376. Narender Singh and Nasib Singh Gill (2017). **“Understanding Requirements Engineering Process”**, *Proceedings of National Conference on Future Innovations in Computing Technologies & Machine Learning (FICTML-2017)*, Maharshi Dayanand University, Rohtak (ISBN 978-93-80544-31-1), Nov. 21, 2017, pp. 74-77.
 377. Munisha Devi and Nasib Singh Gill (2017). **“A Literature Study of Routing Protocols in Mobile Ad Hoc Networks”**, *Proceedings of National Conference on Future Innovations in Computing Technologies & Machine Learning (FICTML- 2017)*, Maharshi Dayanand University, Rohtak (ISBN 978-93-80544-31-1), Nov. 21, 2017, pp. 150-154.
 378. Seema Yadav and Nasib Singh Gill (2017). **“Internet of Things (IOT): A Review”**, *Proceedings of National Conference on Future Innovations in Computing Technologies & Machine Learning (FICTML-2017)*, Maharshi Dayanand University, Rohtak (ISBN 978- 93-80544-31-1), Nov. 21, 2017, pp. 162-165.
 379. Sangeeta and Nasib Singh Gill (2017). **“Twitter Data Sentiment Classification - A Survey on Tools and Technology”**, *Proceedings of National Conference on Future Innovations in Computing Technologies & Machine Learning (FICTML-2017)*, Maharshi Dayanand University, Rohtak (ISBN 978-93-80544-31-1), Nov. 21, 2017, pp. 247-250.
 380. Deepti Sehrawat and Nasib Singh Gill (2017). **“Future of IOT Vision and Future Scope: A Review”**, *Proceedings of National Conference on Future Innovations in Computing Technologies & Machine Learning (FICTML-2017)*, Maharshi Dayanand University, Rohtak (ISBN 978-93-80544-31-1), Nov. 21, 2017, pp. 273- 278.
 381. Deepti Sindhu and Nasib Singh Gill (2017). **“Threats and Challenges in IoT Enabled Environment: A Review”**, *Proceedings of National Conference on Future Innovations in Computing Technologies & Machine Learning (FICTML-2017)*, Maharshi Dayanand University, Rohtak (ISBN 978-93-80544-31-1), Nov. 21, 2017, pp. 312-316.
 382. Azaz Khan and Nasib Singh Gill (2017). **“E-Governance: Challenges and Issues in Indian Perspective”**, *Proceedings of National Conference on Future Innovations in Computing Technologies & Machine Learning (FICTML-2017)*, Maharshi Dayanand University, Rohtak (ISBN 978-93-80544-31-1), Nov. 21, 2017, pp. 466- 469.
 383. Gill Nasib Singh and Pooja Singh, **“Decentralized Key Generation Adapted With Clustering in Ad Hoc Networks”**, *Proc. of National Conference on Emerging Trends in Cloud Computing and Big Data Analytics (ETCCBDA-17)*, Dept. of Comp. Sc. &Appls,

M.D. University, Rohtak on March 6, 2017.

384. Gill N.S. and Grover P.S., "***Nesting Complexity Metric***", Proceedings of XXIX Annual Convention of CSI (CSI'94): 'IT For Growth and Prosperity', Calcutta, Nov 1994, pp. 216-222.
385. Gill N.S. and Grover P.S., "***Experimental Study of Program Comprehension***", Abstract published in the proceedings of 83rd Indian Science Congress, Patiala, March 1996.
386. Gill N.S. and Grover P.S., "***Relationship Between Program Complexity and Comprehension***", Proceedings of CSI'96 Annual Convention, Bangalore, Oct. 1996.
387. Gill N.S. and Dabas K.C., "***Information As A Strategic Resources for Socio- Economic Development and Growth of India***", XVII National Seminar of IASLIC, Calcutta, Dec. 10-13, 1996.
388. Gill N.S. and Dabas K.C., "***Indian Library System and National Development***", ILA Volume of XLII All India Lib. Conference, Calicut, Dec. 21-24, 1996, pp. 24-35.
389. Gill N.S., "***Information Technology : A Solution for Information Explosion***", National Symposium on Recent Trends in Information Technology, Coimbatore, India, Feb. 20-21, 1997 .
390. Gill N.S., "***Social Impacts of Information Technology***", proceedings of National Conference on Social Transformations, M.D.University, Rohtak, Feb. 1998.
391. Gill N.S., "***Impact of Information Technology on Society***", Invited Paper for a Volume of Book on Higher Education by Prof. V.T. Patil, Karnatak Univ., Dharwad.
392. Gill N.S., "***Emerging Trends In Computer Education***", published in Employment Bureau Bulletin, M.D.University, Rohtak, Haryana, 1994, pp. 3-7.
393. Gill N.S., "***Information Retrieval Through Internet: Some Key-Issues***", Proceedings of UGC sponsored Seminar on "***Internet For Higher Education***", Sardar Patel University, Vallabh Vidyanagar, Gujrat, March 13-14, 1999.
394. Gill N.S., "***ERP and BPR: Appropriate Tools For Productivity And Quality***", Proceedings of National Conference on IT For Social Development and Productivity, CEDT of India, S.A.S. Nagar, Mohali (Pb.), May 14-16, 1999, pp.36- 39.
395. Gill N.S., "***Infotech Hazards Of 21st Century***", Proceedings of National Conference on Managerial Responses To Corporate Sector In The New Millennium, IMSAR, M.D.U. Rohtak, Feb. 17-18, 2000.
396. Gill N.S. and Tuteja R.K., "***Software Quality Assurance (SQA) : A Key-Issue For New Millennium***", Proceedings of UGC Sponsored Workshop on Reliability And Computer Application In Statistics And Related Areas, Meerut, March 11-12, 2000.
397. Gill N.S. and Tuteja R.K., "***Emerging Trends Of Information Services And Information Superhighway***", Proceedings of National Conference on Operations Research & Information Technology, Agra, April 2-3, 2000.
398. Gill N.S., Dabas K.C., Singh S., Dabas S. "***Knowledge Management and HRD Issues in Hybrid University Libraries***", Proceedings of 24th IASLIC Conference, Dec. 2003, pp. 322.
399. Gill N.S., Dabas K.C., Dabas S. "***Information Management in University Libraries in Electronic Environment***", 48th ILA Conference Volume, Jan. 2003, pp. 231- 247.
400. Gill N.S., "***Impact of ICT in Teaching & Learning***", Proc. of State Conference on Information & Communication Technology (ICT) in Teacher Education, Nov. 8, 2003. (It was rated as the '***Best Multimedia Presentation***' of the conference)
401. Gill N.S. and Dabas K.C., "***Making Digital Libraries A Reality: Few Important Issues***",

- Digital Information Exchange: Pathways to Build Global Information Society (SIS 2004, IIT Madras), January 21-23, 2004, pp. 294-301.**
402. Gill N.S. and Grover P.S., ***“Measuring Component-Based Systems”***, National Conference on Software Engineering Principles And Practices (SEPP-04), March 5-6, 2004.
 403. Gill N.S., ***“Essence of Strengthening Cyber Laws In India: Need of the Hour”***, Proc. of National Conference on India in the Globalized World: Challenges and Opportunities, April 30-May 1, 2005; pp. 68-70.
 404. Gill N.S., ***“Essence of Knowledge Management and Data Mining in 21st Century”***, Proc. of National Conference on Communication & Computational Techniques (NCCT-06), Feb. 2006, Dehradun.
 405. Gill N.S., Tomar P., ***“Software Component Technology: An Easy Way to Enhance Software Reusability (Abstract)”***, Proc. of 94th Indian Science Congress (ISCA- 2006), Annamalai University, Tamilnadu, INDIA, pp. 18-19.
 406. Gill N.S., Balkishan, ***“Wireless LAN: A Boon for Higher Education”***, Proc. of National Seminar on Network Technologies (AICTE sponsored at CITM, Faridabad), Sept. 2, 2006, pp. 40.
 407. Gill N.S., Tomar P., ***“Reliability & Security in Open Source Software: Review & Analysis (Abstract)”***, Proc. of 94th Indian Science Congress (ISCA-2006), Annamalai University, Tamilnadu, INDIA, pp. 21.
 408. Gill N.S., Tomar P., Balkishan, ***“Cellular Mobile Communication in the Cyber World of 21st Century: Evolution or Revolution”***, Proc. of National Seminar on Network Technologies (AICTE sponsored at CITM, Faridabad), Sept. 2, 2006, pp. 40.
 409. Gill N.S., Tomar P., ***“Ontology Based Natural Language Processing for Improving the Ambiguities of Semantic Web Search”***, Proc. of National Seminar on Network Technologies (AICTE sponsored at CITM, Faridabad), Sept. 2, 2006, pp. 19.
 410. Gill N.S., ***“Addressing Computer Network Security Challenges”***, Proc. of National Seminar on Network Technologies (AICTE sponsored at CITM, Faridabad), Sept. 2, 2006, pp.
 411. Gill N.S., ***“Improving Software Quality by Controlling S/w Complexity”***, Proc. Of National Conference organized by Department of Mathematics, M.D.University, Rohtak on Dec. 20-22, 2006.
 412. Gill N.S., ***“e-Governance for Regional Development: Opportunity & Challenges”***, Proc. of National Seminar on Regional Development, M.K.J.K. Mahavidyalya, Rohtak on September 19, 2007.
 413. Gill N.S., ***“e-Governance for Rural India: Opportunity & Challenges”***, Proc. of National Seminar on ***“Rural India – A Pathway to Competitive Advantage”*** at N.C.College of Engg., Israna on March 24, 2007.
 414. Gill N.S., ***“Challenges in Convergence of Intelligent Technologies in 21st Century”***, Proc. of AICTE sponsored National Seminar on ***“Intelligent and Emerging Technologies in Mechanical and Automotive Engineering (NSITMAE)”*** at I.T.M. Gurgaon, January 5-6, 2007.
 415. Gill N.S., ***“Emergence of Autonomic Systems”***, Proc. of AICTE sponsored National Seminar on ***“Emerging Trends in Software Engineering”*** at N.C. College of Engg., Israna on Sep. 5, 2008.
 416. Gill N.S., ***“Emerging Trends of Soft-Computing”***, Proc. of AICTE sponsored National Seminar on ***“Artificial Intelligence and Soft-Computing”*** at I.T.M. Gurgaon, August 29, 2008.
 417. Gill N.S., ***“Information Technology in 21st Century: Opportunity & Challenges”***, Proc.

- of National Seminar on “*Understanding Computer*” at K.R. College of Higher Education, Delhi, March 14, 2008.
418. Navneet and Nasib Singh Gill (2011). “**Mobile Entertainment Issues**”, *Proceedings of National Conference on Emerging Trends in Mobile Technologies & Security (ETMTS-11)*, Maharshi Dayanand University, Rohtak, March 29, 2011, pp. 259-261.
 419. Gill N.S., “**Cyber Security: A Big Challenge of 21st Century**”, *Proc. of National Seminar on National Seminar on “Network Security”* at DAV Institute of Management, Faridabad on April 7, 2007.
 420. Kapil Juneja and Gill, Nasib Singh (2011). “**A Extensive Secure Communication Approach Using Mobile SSh**”, *Proceedings of National Conference on Emerging Trends in Mobile Technologies & Security (ETMTS-11)*, Maharshi Dayanand University, Rohtak, March 29, 2011, pp. 267-271.
 421. Narender Singh and Nasib Singh Gill (2011). “**Opportunities and Issues for Mobile Banking in India**”, *Proceedings of National Conference on Emerging Trends in Mobile Technologies & Security (ETMTS-11)*, Maharshi Dayanand University, Rohtak, March 29, 2011, pp. 262-266.
 422. Gill N.S. and Hooda Reena, “**Data Mining: Rolling from Data to Intelligence using Fuzzy Logic, Clustering and Neural Network Techniques**”, *Proc. of AICTE sponsored National Seminar on “Emerging Trends in Software Engineering”* at N.C. College of Engg., Israna on Sep. 5, 2008.
 423. Kapil Juneja and Gill, Nasib Singh (2011). “**A Compositional Approach of Web Security in Cloud Computing**”, *Proceedings of National Conference on Emerging Trends in Mobile Technologies & Security (ETMTS-11)*, Maharshi Dayanand University, Rohtak, March 29, 2011, pp. 174-176.
 424. Gill N.S., Tomar Pardeep, “**Component-Based Software Reusability: Success, Failure & New Directions**”, *Proceedings of National Conference on Information Technology: Present, Practices and Challenges* (August 31st - Sept 1, 2007) at Asia Pacific Institute of Management, New Delhi, pp. 361-365.
 425. Gill N.S., “**Global Meltdown: Challenges & Opportunities**”, *Proc. of National Seminar on “Global Meltdown”* at IMT, Faridabad, April 10-11, 2009.
 426. Kapil Juneja and Gill, Nasib Singh (2011). “**Malicious Code Detection and Resolvant in Manets for Preserving Security**”, *Proceedings of National Conference on Emerging Trends in Mobile Technologies & Security (ETMTS-11)*, Maharshi Dayanand University, Rohtak, March 29, 2011, pp. 78-82.
 427. Gill N.S., “**e-Governance: Opportunities, Risks and Challenges**”, *Proc. of National Seminar on “e-Governance: Opportunities & Challenges”* at GVM Institute of Technology & Management, Sonapat on May 23, 2009.
 428. Kapil Juneja and Gill, Nasib Singh (2011). “**Dynamic Pattern Extraction to Perform Intruder Safe Steganography**”, *Proceedings of National Conference on Emerging Trends in Mobile Technologies & Security (ETMTS-11)*, Maharshi Dayanand University, Rohtak, March 29, 2011, pp. 174-176.
 429. Gill N. S. and Balkishan, (2007). “**COTS-Based Development Process, Challenges and Risks**”, *Proceedings of National Conference on Computing for Nation Development*, Bharati Vidyapeeth, Institute of Computer Applications and Management, Delhi, pp. 673.
 430. Gill N.S., Balkishan and Sunil Sikka (2011). “**Various Methods for Hiding the Data using Cryptography: A Review Article**”, *Proceedings of National Conference on Emerging Trends in Mobile Technologies & Security (ETMTS-11)*, Maharshi Dayanand University, Rohtak, March 29, 2011, pp. 275-277.

431. Tomar, P., Rohit and Gill, N. S. (2011). ***“Design and Development of a Framework for Mobile Chat Application with Silverlight”***, proceedings of Emerging Trends in Mobile Technologies and Security organized by Department of Computer Science & Applications, Maharshi Dayanand University, Rohtak, Haryana, INDIA.
432. Kumar, A.; Tomar, P.; Gill, N. S. and Panwar, D.(2010). ***“New Optimal Process for Selection of Software Components”***, proceedings of 1st National Conference on Next Generation Computing and Information Security, jointly organized by Computer Society of India and Institute of Management Studies, Noida, Uttar Pradesh, INDIA, pp. 376.
433. Panwar, D.; Tomar P.; Gill, N. S. and Kumar, A.(2010). ***“New Method to Analyze the Impacts on Reliability and Reusability in Component-Based Software Development”***, proceedings of 1st National Conference on Next Generation Computing and Information Security, jointly organized by Computer Society of India and Institute of Management Studies, Noida, Uttar Pradesh, INDIA, pp. 379.
434. Reena Hooda and Nasib Singh Gill (2011). ***“Mobile Money Transfer Technology: Mechanics and Management”***, Proceedings of National Conference on Emerging Trends in Mobile Technologies & Security (ETMTS-11), Maharshi Dayanand University, Rohtak, March 29, 2011, pp. 352-353.
435. Gill N.S., Sunil Sikka and Balkishan (2011). ***“Text Cryptography using Crossover Genetic Operator”***, Proceedings of National Conference on Emerging Trends in Mobile Technologies & Security (ETMTS-11), Maharshi Dayanand University, Rohtak, March 29, 2011, pp. 24-26.
436. Tomar, P. and Gill, N. S. (2011). ***“Steganography through DNA Computing: A Secure Approach for Mobile Communication”***, Proceedings of National Conference on Emerging Trends in Mobile Technologies & Security (ETMTS-11), Maharshi Dayanand University, Rohtak, March 29, 2011, pp. 257-258.
437. Navneet and Nasib Singh Gill (2013). ***“Analysing Various Selection Criteria of Decision Trees”***, Proceedings of National Conference on Advanced Computing Technologies (NCACT-2013), Maharshi Dayanand University, Rohtak. (ISBN – 978- 93- 259-6688-8). March 30, 2013, pp. 254-256.
438. Manisha and Nasib Singh Gill (2013). ***“A Review on Image Enhancement Techniques for 3D Media”***, Proceedings of National Conference on Advanced Computing Technologies (NCACT-2013), Maharshi Dayanand University, Rohtak. (ISBN – 978-93-259-6688-8). March 30, 2013, pp. 437-440.
439. Nasib Singh Gill and Pooja Singh (2013). ***“A Trust Model for Trust Mgmt in Mobile Ad-hoc Networks”***, Proceedings of National Conference on Advanced Computing Technologies (NCACT-2013), Maharshi Dayanand University, Rohtak. (ISBN – 978-93-259-6688-8). March 30, 2013, pp. 791-795.
440. Anupama Verma, Pradeep Tomar, Nasib Singh Gill and Annu (2013). ***“A Critical Analysis of Coupling Metrics for Aspect-Oriented S/w Engg”***, Proceedings of National Conference on Advanced Computing Technologies (NCACT-2013), Maharshi Dayanand University, Rohtak. (ISBN – 978-93-259-6688-8). March 30, 2013, pp. 705-707.
441. Renu Yadav and Nasib Singh Gill (2015). ***“Review of Advanced Encryption Standard Algorithm for Data Protection Through Network”***, Proc. of National Conference on Emerging Computing Technologies & ICT for Development (NCECT & ICTD-2015), organised by Department of Computer Science & Applications, M.D. University, Rohtak.
442. Vijay Bharti and Nasib Singh Gill (2015). ***“Distributed Denial of Service Attacks and IP Traceback Countermeasures”***, Proc. of National Conference on Emerging Computing Technologies & ICT for Development (NCECT & ICTD-2015), organised by Department

of Computer Science & Applications, M.D. University, Rohtak.

443. Pooja Singh and Nasib Singh Gill (2015). ***“A Survey on Securing Issues in MANET: Key Management and Trust Management”***, Proc. of National Conference on Emerging Computing Technologies & ICT for Development (NCECT & ICTD- 2015), organised by Department of Computer Science & Applications, M.D. University, Rohtak.

E) Contribution as Editor/Technical Committee Member/Reviewer

- a. Acted as Member, Technical Program Committee of International Conference on Recent Trends in Computer applications and Information Technology (RTCAIT'19) organized by Maharishi Markandeshwar University, Ambala, Haryana held on April 19-20, 2019.
- b. Acted as Guest Editor of CSI Communications on Special Issue on **“Data Science and Analytics”**, **May 2019. ISSN: 0970-647X.** http://csi-india.org/Communications/CSIC_May_2019.pdf.
- c. “Software quality improvement: a model based on managing factors impacting software quality”, *Software Quality Journal*, Springer Journals, May 2014. www.springer.com
- d. *“Optimal Staffing Model For Supermarket: Case Study On A Hypothetical Supermarket”* paper reviewed for International Conference ICMO-2014, Sept. 6-8, 2014, Chengdu, China.
- e. *“Mode I Stress Intensity Factors for Centrally Cracked Semiconductor Material Planes in C4 Flipchips”* paper reviewed for International Conference ICMO-2014, Sept. 6-8, 2014, Chengdu, China.
- f. *“Determinants of Underpricing In Indonesian Stock Market”* paper reviewed for International Conference ICCBM-2014, June 2-3, 2014, London, U.K.
- g. *“Sale Strategy of Substitutable Products under Consumer Choice”* paper reviewed for International Conference ICMO-2014, Sept. 6-8, 2014, Chengdu, China.
- h. *“An Information System Model for the e-Government of Digital Bangladesh”* paper reviewed for International Conference ICCBM-2014, June 2-3, 2014, London, U.K.
- i. “An Empirical Study of Factors Impacting Size of the Object-Oriented Software Component”, *International Journal of Information Systems and Computing*, USA.
- j. “NISAGENET- A Web Based Information System on Agricultural Education”, *Statistics and Applications* (Journal of the Society of Statistics Computer and Applications), IASRI, New Delhi, India.
- k. “Architecture, Design and Implementation Strategy for Web Based Personnel Management System”, *Statistics and Applications* (Journal of the Society of Statistics Computer and Applications), IASRI, New Delhi, India.
- l. “A Fuzzy Approach for Integrated Measure of Object-Oriented Software Complexity”, *DIAS Technology Review* (International Journal for Business and IT).
- m. “Capability Maturity Model Integration in Higher Education”, *Techgenesis (The Journal of Information Technology)*, Amity Institute of Information Technology, Noida.
- n. “Software Reliability Models: A Historical Perspective”, *Techgenesis (The Journal of Information Technology)*, Amity Institute of Information Technology, Noida.

F) Conferences/Seminars/Workshops/FDPs Attended as Chief-Guest/Expert/Keynote Speaker/Resource Person/Invited Speaker/Participant

- 1) Acted as Resource Person in **One Week FDP on “AI-Enabled Teaching, Learning,**

- Assessment and Academic Research in Higher Education”** organized by UGC-MMTTC, M.D. University, Rohtak and conducted one Expert Session on **“Digital Pedagogy and AI-Powered Education: Live Demo and Hands on Session”** on 4th August 2026.
- 2) Acted as a Keynote Speaker in **Online “Students Interaction-cum-Induction Program: AARAMBH-2026”** organized by St. Andrews Institute of Management and Technology, NCR, Gurugram and delivered Keynote Address on **“Empowering Young Minds for the Future: Skills, Innovations and Excellence”** on 27th July 2026.
 - 3) Acted as Resource Person in UGC-MMTTC, G.J. University of Science & Technology, Hisar and conducted expert session in **4 Weeks Online Faculty Induction Program (FIP)** on the topic **“21st AI-Powered Teaching-Learning”** on July 13, 2026.
 - 4) Acted as Resource Person in **4 Weeks Online Faculty Induction Program (FIP)** organized by UGC-MMTTC, Kurukshetra University, Kurukshetra, Haryana and conducted expert session on **‘Overview and Hands on Learning Management System (LMS): MOODLE’** on July 10, 2026.
 - 5) Acted as Resource Person in **One 4 Weeks Short Term Course (STC) on Artificial Intelligence** organized jointly by Department of Computer Science & Applications, KUK and UGC-MMTTC, Kurukshetra University, Kurukshetra, Haryana and conducted expert session on **‘AI-Powered Teaching-Learning and Digital Pedagogy’** on July 8, 2026.
 - 6) Acted as Resource Person in **4 Weeks Online Faculty Induction Program (FIP)** organized by UGC-MMTTC, Kurukshetra University, Kurukshetra, Haryana and conducted expert session on **‘AI-Powered Teaching-Learning and Digital Pedagogy’** on July 7, 2026.
 - 7) Acted as Resource Person in **4 Weeks Online Faculty Induction Program (FIP)** organized by UGC-MMTTC, M.D. University, Rohtak and conducted one Expert Session on **“Digital Pedagogy and AI-Powered 21st Century Teaching-Learning”** on 27th June 2026.
 - 8) Acted as Keynote Speaker in **One Week Online FDP on Next-Generation AI: LLMs, Autonomous Agents and Intelligent Systems”** organized by MVN University, Delhi NCR, Haryana and conducted one Expert Session on **“AI-Powered Pedagogy: Transforming Classrooms with LLMs and Intelligent Systems”** on 8th June 2026.
 - 9) Acted as a Resource Person in **11th Short Term Program on “AI Tools for Learning, Teaching and Research”** organized by UGC-MMTTC, Central University of Haryana, Mahendergarh and conducted one Expert Session on **“Digital Pedagogy: Integrating AI Tools into Teaching-Learning: Opportunities and Challenges on the path to AGI and ASI”** on 26th May 2026.
 - 10) Acted as a Key Speaker in **International Virtual Multidisciplinary Seminar on “From Learning to Earning: Reimagining Higher Education under NEP 2020 for Atmanirbhar Bharat through Digital Empowerment and AI Readiness”** organized by Vaish Arya Shikshan Mahila Mahavidyalaya, Bahadurgarh and delivered session on **“Role of AI in Reimagining Higher Education: From Learning to Earning”** on May 8, 2026.
 - 11) Acted as a Chief-Guest and Key Speaker in International Conference on **“Emerging Trends and Innovations in Engineering, Management and Technology (ICETIEMT-2026)”** organized by IITM College of Engineering, Bahadurgarh-NCR Delhi and delivered key address on April 24, 2026.
 - 12) 13th IEEE International Conference on **“Computing for Sustainable Global Development”** – 20th INDIACom-2026 (IEEE Conference ID: 70271) organized by BVICAM, New Delhi during 8th – 10th April, 2026 and Chaired a Technical Session (3.4 Session) on 9th April 2026.
 - 13) Acted as Resource Person in **33rd NEP Orientation & Sensitization Program** organized by UGC-MMTTC, Kurukshetra University, Kurukshetra, Haryana and conducted expert session on **‘Digital Transformation and AI-Powered Teaching-Learning in 21st Century’** on February 23, 2026.

- 14) Acted as Chief-Guest and Key Speaker in **National Seminar on “Interdisciplinary Approaches to Artificial Intelligence”** organized by Saraswati Mahila Mahavidyalaya, Palwal and delivered the keynote address on **“Digital Transformation and AI in 21st Century: Opportunities and Challenges”** on January 24, 2026.
- 15) Acted as Resource Person in **4 Weeks “Guru-Dakshta Faculty Induction Program (FIP)”** organized by UGC-MMTTC, Punjabi University, Patiala and conducted online expert session on **“Digital Transformation and AI-Powered Teaching-Learning in 21st Century”** on January 21, 2026.
- 16) Acted as Resource Person in **31st NEP Orientation & Sensitization Program** organized by UGC-MMTTC, Kurukshetra University, Kurukshetra, Haryana and conducted expert session on **“Transforming Education from 1.0 to 4.0: Role of AI in Teaching-Learning”** on December 16, 2025.
- 17) Acted as Invited Speaker in **International Conference on Global Advances in Statistical Modelling, Optimization Techniques and Data Science (IC-GASMOTDS-2025)** organized by Department of Statistics, M.D. University, Rohtak and 9th Convention of Indian Association for Reliability and Statistics (IARS) and delivered Invited Talk on **“From Narrow Intelligence to Superhuman Insight: Opportunities and Challenges on the Path to AGI and ASI”** on 29th November 2025.
- 18) Acted as Resource Person in UGC-MMTTC, G.J. University of Science & Technology, Hisar and conducted expert session in **4 Weeks Online Faculty Induction Program (FIP)** on the topic **“Overview and Hands on LMS: MOODLE”** on November 24, 2025.
- 19) Acted as Invited Speaker in **4th International Conference on Campus to Corporate: Industry 5.0** organized by MVN University, Palwal, Haryana and delivered Invited Talk on **“Technological Innovations and Industry 5.0 for a Sustainable Future”** on 14th November 2025.
- 20) Acted as a Keynote Speaker in **AICTE VAANI Sponsored 2 Days National Conference on “Building LLMs for India’s Linguistic Landscape: Issues & Challenges”** organized by Vivekananda Institute of Professional Studies (VIPS), Delhi, India and delivered session on **“Scaling LLMs for India: Infrastructure Challenges and Opportunities in a Multilingual Context”** on 11th November 2025.
- 21) Acted as Chief-Guest & Invited Speaker in **Plenary Session** organized by MKM College of Management and IT for Girls, Hodal, Haryana and delivered Invited Talk on **“Role of Cloud Computing in 21st Century: Opportunities and Challenges”** on 7th November 2025.
- 22) Acted as a Resource Person in **7th Short Term Program on “AI Tools for Teachers”** organized by UGC-MMTTC, Central University of Haryana, Mahendergarh and conducted an Expert Session on **“Digital Transformation and 21st Century Skills”** on 6th November 2025.
- 23) Acted as a Resource Person in **7th Short Term Program on “AI Tools for Teachers”** organized by UGC-MMTTC, Central University of Haryana, Mahendergarh and conducted an Expert Session on **“AI-Powered Teaching-Learning in 21st Century”** on 6th November 2025.
- 24) Acted as a Resource Person in **Online Refresher Course on “Human Transformation Laws and Human Rights”** organized by UGC-MMTTC, Kurukshetra University, Kurukshetra, Haryana and conducted one Expert Session on **“Digital Transformation and AI Tools for 21st Century Teaching-Learning”** on 1st November 2025.
- 25) Acted as Resource Person in **30th Online NEP Orientation & Sensitization Program** organized by UGC-MMTTC, Kurukshetra University, Kurukshetra, Haryana and conducted expert session on **“21st Century Digital Transformation and AI Tools for Teaching-Learning”** on Sept. 18, 2025.
- 26) Acted as Resource Person in **29th Online NEP Orientation & Sensitization Program**

organized by UGC-MMTTC, Kurukshetra University, Kurukshetra, Haryana and conducted expert session on ***‘Role of Digital and Technological Transformation in 21st Century Teaching-Learning’*** on Sept. 2, 2025.

- 27) Acted as Keynote Speaker in **Deeksharambh-2025 (Induction-cum-Orientation Program) of MVN University, Delhi NCR, Haryana** and conducted one Expert Session on ***“Mantras for Success: 21st Century Skills and Innovative Mindset”*** on 26th August 2025.
- 28) Acted as Resource Person in **28th Online NEP Orientation & Sensitization Program on ICT** organized by UGC-MMTTC, Kurukshetra University, Kurukshetra, Haryana and conducted expert session on ***‘21st Century Teaching-Learning for NEP-2020 Implementation’*** on July 23, 2025.
- 29) Acted as a Keynote Speaker in **Online “Students Interaction-cum-Induction Program: AARAMBH-2025”** organized by St. Andrews Institute of Management and Technology, NCR, Gurugram and delivered Keynote Address on ***“21st Century “Skills” and “Innovations” for Young Aspiring Minds”*** on 21st July 2025.
- 30) Acted as Resource Person in **27th Online NEP Orientation & Sensitization Program on ICT** organized by UGC-MMTTC, Kurukshetra University, Kurukshetra, Haryana and conducted expert session on ***‘NEP-2020 and Role of ICT in 21st Century Teaching-STP) on Learning’*** on May 20, 2025.
- 31) Acted as a Keynote Speaker in **One Day Online Workshop on “Use of AI in Modern Education” on May 16, 2025** organized by Vaish College, Rohtak and delivered Keynote Address on ***“AI-Powered Teaching and Learning in 21st Century”*** on May 16, 2025.
- 32) Acted as a Resource Person in **Refresher Course on “Empowering Education Through AI and Digital Technologies”** organized by UGC-MMTTC, Central University of Jammu and conducted one Expert Session on ***“AI in Education and 21st Century Skills for Future Teaching-Learning”*** on 13th May 2025.
- 33) Acted as a Keynote Speaker in **3rd International Conference on “Computational Science and Management”** organized by Geeta University, Panipat, Delhi NCR and delivered Keynote Address on ***“Computational Intelligence and Disruptive Technologies: Smart Solutions for Sustainable Growth”*** on 25th April 2025.
- 34) Acted as a Keynote Speaker in **One Day Faculty Development Workshop on NEP-2020** organized by M.K.J.K. Mahavidyalaya, Rohtak and delivered Address on ***“21st Century Skills for Future Teaching and Learning”*** on April 22, 2025.
- 35) Acted as a Keynote Speaker in **7th International Conference – CCICT-2025** organized by BMIET, Sonapat and St. Andrews ITM, Delhi NCR and delivered Address on ***“Computational Intelligence and Disruptive Technologies: Building a Smarter World”*** on 12th April 2025.
- 36) 12th IEEE International Conference on ***“Computing for Sustainable Global Development”*** – 19th INDIACom-2025 (IEEE Conference ID: 66777) organized by BVICAM, New Delhi during 2nd– 4th April, 2025 and Chaired a Technical Session (5.2 Session) on 2nd April 2025.
- 37) Acted as Chief-Guest & Invited Speaker in **Plenary Session** organized by MKM College of Management and IT for Girls, Hodal, Haryana and delivered Invited Talk on ***“Building a Smarter World: Convergence of AI, IoT & Cloud Computing Technologies”*** on 28th March 2025.
- 38) Acted as Keynote Speaker on 8th February 2025 and conducted an Expert Session on ***“21st Century Computing Technologies”*** organized by DAV Centenary College, Faridabad.
- 39) Acted as Keynote Speaker on **“National Science Day”** organized by DAV Centenary College, Faridabad and conducted an Expert Session on ***“Empowering Youth in Science and Innovation for Vikshit Bharat”*** on 28th Feb. 2025.

- 40) Acted as Resource Person in **24th Online NEP Orientation & Sensitization Program on ICT** organized by UGC-MMTTC, Kurukshetra University, Kurukshetra, Haryana and conducted expert session on ***'21st Century Skills for Future Teaching-Learning and Live LMS Demo'*** on Feb. 20, 2025.
- 41) Acted as a Key Speaker in **One Day Workshop on R&D and Innovation** organized by K.L. Mehta D.N. College for Women, Faridabad and delivered Address on ***"Innovation Development Process and Technology Readiness Levels"*** on Feb. 19, 2025.
- 42) Acted as a Key Speaker in **One Day Workshop on "AI-Powered Intelligent Space: A Roadmap"** organized by Dept. of Computer Science & Applications, M.D. University, Rohtak and delivered Address on ***"AI-Powered Intelligent Space: Redefining 21st Century"*** on Feb. 7, 2025.
- 43) Acted as a Key Speaker in **Two Day National Seminar on "The Ethics of AI: A Global Perspective"** organized by Vaish Arya Shikshan Mahila Mahavidyalya, Bahadurgarh and delivered session on ***"AI-Powered Smart Environment: Redefining 21st Century"*** on Feb. 1, 2025.
- 44) Acted as Resource Person in ATAL Faculty Development Programme on ***"EV Manufacturing and Its Charging Stations Challenges...."*** organized by Ganga Institute of Technology and Management (GITAM), Kablana, Jhajjar and conducted session on ***"AI-Powered Smart Environment: Redefining 21st Century"*** on 11th January 2025.
- 45) Participated in One Week AICTE-ATAL Sponsored **Faculty Development Programme on *"Blockchain Governance Structures and Trust: From Theory to Practice"*** Organized by Birla Institute of Technology, Off-Campus Jaipur Duration: 23rd December 2024 – 28th December 2024
- 46) Acted as Resource Person in **22nd Online NEP Orientation & Sensitization Program on ICT** organized by UGC-MMTTC, Kurukshetra University, Kurukshetra, Haryana and conducted expert session on ***'21st Century Skills and Live LMS Demo for Future Teaching-Learning'*** on Dec. 17, 2025.
- 47) Acted as a Keynote Speaker in **International Workshop on "Designing and Development of Online Course" on November 22-23, 2024** organized by SPARC Cell, M. D. University, Rohtak and delivered Keynote Address on ***"21st Century Skills and LMS for Online Teaching-Learning"*** on 22nd November 2024.
- 48) Acted as Resource Person in UGC-MMTTC, G.J. University of Science & Technology, Hisar and conducted expert session in **UGC sponsored One- Month Online Faculty Induction Program** on the topic ***"21st Century Teaching- Learning Skills for Blended Learning"*** on November 22, 2024.
- 49) Acted as Resource Person in UGC-MMTTC, G.J. University of Science & Technology, Hisar and conducted expert session in **UGC sponsored One- Month Online Faculty Induction Program** on the topic ***"Learning Management System – MOODLE : Live Demo"*** on November 22, 2024.
- 50) Acted as Invited Speaker in UGC Sponsored Online Refresher Course on ***"Sharpening Teaching Skills Through Blended Learning"*** organized by UGC-MMTTC, G.J. University of Science & Technology, Hisar and conducted one Expert Session on ***"21st Century Teaching-Learning Skills for Blended Learning"*** on 22nd October 2024.
- 51) Acted as Invited Speaker in UGC Sponsored Online Refresher Course on ***"Sharpening Teaching Skills Through Blended Learning"*** organized by UGC-MMTTC, G.J. University of Science & Technology, Hisar and conducted one Expert Session on ***"Learning Management System – MOODLE : a Live Demonstration"*** on 22nd October 2024.
- 52) Acted as Invited Speaker in **Online Faculty Induction Program** organized by UGC-MMTTC, Central University of Jammu and conducted one Expert Session on ***"21st Century Teaching-***

Learning Through Learning Management System – a Live Demonstration” on 7th October 2024.

- 53) Acted as Invited Speaker in **One Week Short Term Program on “Learning Management System”** organized by UGC-MMTTC, M. D. University, Rohtak and conducted one Expert Session on **“21st Century Teaching-Learning Skills: Need of the Hour”** on 20th August 2024.
- 54) Acted as Invited Speaker in **One Week Short Term Program on “Learning Management System”** organized by UGC-MMTTC, M. D. University, Rohtak and conducted one Expert Session on **“Learning Management System – iLMS: A Live Demonstration”** on 20th August 2024.
- 55) Acted as a Keynote Speaker in **3-Days Induction Program for PG Students** organized by M.D. University, Rohtak and delivered Keynote Address on **“Mantras for Success: Innovative Mindset & 21st Century Skills”** on 9th August 2024.
- 56) Acted as a Keynote Speaker in **3-Days Induction Program for UG Students** organized by M.D. University, Rohtak and delivered Keynote Address on **“Mantras for Success: 21st Century Skills & Innovative Mindset”** on 27th July 2024.
- 57) Acted as a Keynote Speaker in **Online “Students Interaction-cum-Induction Program: AARAMBH-2024”** organized by St. Andrews Institute of Management and Technology, NCR, Gurugram and delivered Keynote Address on **“Mantras for Success: Innovative Mindset & 21st Century Skills”** on 22nd July 2024.
- 58) Acted as Invited Speaker in **Twelve Days Interdisciplinary Refresher Course** organized by UGC-MMTTC, M. D. University, Rohtak and conducted one Expert Session on **“Digital Tools and 21st Century Teaching-Learning Skills”** on 10th July 2024.
- 59) Acted as Invited Speaker in **Twelve Days Interdisciplinary Refresher Course** organized by UGC-MMTTC, M. D. University, Rohtak and conducted one Expert Session on **“Developing MOOCs and using MOODLE LMS for Teaching & Learning”** on 10th July 2024.
- 60) Acted as Resource Person in **“NEP-2020 Orientation & Sensitization Program”** organized by UGC-MMTTC, G.J. University of Science & Technology, Hisar and conducted expert session in on **“Digital Transformation and 21st Century Teaching-Learning Skills”** on May 23, 2024.
- 61) Acted as Resource Person in **“NEP-2020 Orientation & Sensitization Program”** organized by UGC-MMTTC, G.J. University of Science & Technology, Hisar and conducted expert session in on **“Role of Disruptive Technologies in 21st Century Teaching-Learning”** on May 1, 2024.
- 62) Acted as Invited Speaker in **Six-Days National Level FDP on Outcome Based Education** organized by The National College, Bengaluru and conducted one Expert Session on **“Modern Tools for Teaching and Learning”** on 18th April 2024.
- 63) Acted as Invited Speaker in **2nd International Conference on Campus to Corporate: Industry 4.0”** organized by MVN University, Palwal, Haryana and delivered Invited Talk on **“Technological Innovations and Industry 4.0 for a Sustainable Future”** on 14th March 2024.
- 64) 11th IEEE International Conference on **“Computing for Sustainable Global Development”** – 18th INDIACom-2024 (IEEE Conference ID: 61295) organized by BVICAM, New Delhi during 28th February – 1st March, 2024 and Chaired a Technical Session on 28th February 2024.
- 65) Acted as Chief-Guest & Invited Speaker in **Plenary Session** organized by MKM College of Management and IT for Girls, Hodal, Haryana and delivered Invited Talk on **“Machine Learning Inspired 21st Century Smart Environment”** on 24th Feb. 2024.
- 66) Acted as Invited Speaker in **2nd International Conference on Science & Technology for Sustainable Future”** organized by UIET, M.D. University, Rohtak and delivered Invited Talk on **“Disruptive Computing Technologies of 21st Century for Sustainable Future”** on 7th

February 2024.

- 67) Acted as Invited Speaker in **One Week AICTE sponsored Faculty Development Program on “ICT – NEP-2020 Orientation and Sensitization”** organized by UGC-MMTTC, Central University of Jammu and conducted one Expert Session on ***“Use of Disruptive Technologies and LMS for 21st Century Teaching-Learning”*** on 29th January 2024.
- 68) Acted as Invited Speaker in **One Week Online Faculty Development Program on “Emerging Trends in Computational Intelligence”** organized by Department of Computer Science & Engineering, Guru Jambheshwar University of Science & Technology, Hisar, Haryana and conducted one Expert Session on ***“Computational Intelligence and Sustainable Development in 21st Century”*** on 17th January 2024.
- 69) Acted as Invited Speaker in **Two Week Capacity Building Program on “Teaching, Learning and Research”** organized by UGC-MMTTC, M. D. University, Rohtak and conducted one Expert Session on ***“21st Century Skills and Digital Initiatives for Academic Leaders”*** on 13th January 2024.
- 70) Acted as Invited Speaker in **One Week AICTE Sponsored FDP on “Trends and Issues in VLSI & Communication Engineering”** organized by Ganga Institute of Technology & Management, Jhajjar, Haryana and conducted one Expert Session on ***“Role of Disruptive Technologies in NEP-2020 Implementation”*** on 9th January 2024.
- 71) Acted as Invited Speaker in **One Week Online Faculty Development Program on “NEP-2020 Orientation & Sensitization”** organized by UGC-MMTTC, M. D. University, Rohtak and conducted one Expert Session on ***“Role of Disruptive Technologies in 21st Century Teaching-Learning”*** on 27th December 2023.
- 72) Acted as Invited Speaker in **International Conference on Statistics, Data Science and Reliability: Exploring Trends, Methods & Applications (IC-SDSRETMA-2023)** organized by Department of Statistics, M.D. University, Rohtak and 7th Convention of Indian Association for Reliability and Statistics (IARS) and delivered Invited Talk on ***“Machine Learning and Intelligent Space of 21st Century: Opportunities & Challenges”*** on 24th December 2023.
- 73) Acted as Invited Speaker in **UGC Sponsored One Day Online Webinar on “Advanced Instructions Strategies in Virtual Classroom”** organized by UGC-MMTTC, Kurukshetra University, Kurukshetra, Haryana and conducted one Expert Session on ***“Use of Disruptive Technologies and LMS in 21st Century Teaching-Learning”*** on 20th December 2023.
- 74) Attended Training Program on **“Administrative Effectiveness, Focus: Preventive Vigilance, e-Procurement”** organized by National Council For Training & Social Research (NCSTR), New Delhi held on 17-18 December, 2023 at Jim Corbett, Ramnagar, Uttarakhand, India.
- 75) Acted as Keynote Speaker in **5th International Conference on ‘Information Management & Machine Intelligence (ICIMMI-2023)’** organized by Poornima Institute of Engineering & Technology, Jaipur on 14th December 2023 and delivered online keynote address on ***“Machine Intelligence and Sustainable Development in 21st Century: Opportunities & Challenges”***.
- 76) Acted as a Keynote Speaker in **Two-Days National Seminar on “Sustainable Development of Library Through ICT”** organized by Mahila Mahavidyalaya, Jhoju Kalan, Charkhi Dadri, Haryana and delivered Keynote Address on ***“21st Century Computing Technologies for Sustainable Development”*** on 9th December 2023.
- 77) Attended Two Days Workshop – **“Capacity Building Program on Subject specific benchmarking of Learning Outcomes: Outcome Based Education”** organized by Faculty Development Centre, M.D. University, Rohtak during Sept. 27-28, 2023 and upon faculty nomination by Vice-Chancellor from DCSA.
- 78) Acted as Chief-Guest and Keynote Speaker in Valedictory Function of 21-Days Induction Program organized by Deptt. of CSE & IT, BPS Mahila Vishwavidyalaya, Khanpur Kalan, Sonapat and delivered Keynote Address on ***“Innovations, Research and Disruptive***

Technologies of 21st Century” on 29th September 2023.

- 79) Acted as Prime Expert and Keynote Speaker in **Research Conclave-23** organized by Yashwantrao Chavan College of Engineering, Nagpur on 26th August, 2023 and delivered Keynote Address on ***“Research, Innovation and Disruptive Technologies of 21st Century”***.
- 80) Acted as a Keynote Speaker in **4-Days Induction Program** organized by M.D. University, Rohtak and delivered Keynote Address on ***“Digital and Online Ecosystem@MDU : MDU as a Centre of Excellence”*** on 11th August 2023.
- 81) Acted as Keynote Speaker in **Webinar for “Delhi University Ph.D. Scholars in Computer Science** organized by Deptt. Of Computer Science, Delhi University and Acharya Narendra Dev College, Delhi University on 19th July 2023 and delivered Keynote Address on ***“Research, Innovation and Disruptive Technologies of 21st Century”***.
- 82) Acted as Invited Speaker in **One Day Online Workshop on “NEP-2020 : ODL and Online Education”** organized by HRDC, Kurukshetra University, Kurukshetra, Haryana and conducted one Expert Session on ***“Digital Transformation in Education: Opportunities for ODL and Online Learners”*** on 19th July 2023.
- 83) Acted as a Keynote Speaker in **Online Student Orientation-cum-Induction Program – AARAMBH-2023** organized by St. Andrews Institute of Management & Technology, NCR, Gurugram, Haryana and delivered Keynote Address on ***“21st Century Learning Framework: Opportunities & Challenges”*** on 17th July 2023.
- 84) Acted as an Invited Speaker in **One Week Online Faculty Development Program on “Machine Learning for Internet of Things”** organized by Department of Computer Science & Engineering, Guru Jambheshwar University of Science & Technology, Hisar, Haryana and conducted one Expert Session on ***“Machine Learning Inspired Intelligent Space of 21st Century”*** on 17th May 2023.
- 85) Acted as a Keynote Speaker in **National Conference on “Multidisciplinary Research for Sustainable Development”** organized by D.P.G. Degree College, Gurugram, Haryana on 24th March 2023 and delivered Keynote Address on ***“Disruptive Computing Technologies of 21st Century: Opportunities & Challenges”***.
- 86) Acted as a Keynote Speaker in **Training Session on “IT Skills for Non-Teaching Staff”** organized by Administrative Staff College, M. D. University, Rohtak on 10th March 2023 and delivered Keynote Address on ***“Effective Use of IT Skills in Office Work”***.
- 87) Acted as Keynote Speaker in **4th International Conference on ‘Information Management & Machine Intelligence (ICIMMI-2022)’** organized by Poornima Institute of Engineering & Technology, Jaipur on 24th December 2022 and delivered online Keynote Address on ***“Machine Learning Inspired Intelligence Space of 21st Century: Opportunities & Challenges”***.
- 88) Acted as Invited Speaker in **One Day Faculty Capacity Building Workshop on “e-Content Development and iLMS”** organized by Digital Learning Centre, M.D. University, Rohtak, Haryana on 27th June 2022.
- 89) Acted as Guest of Honour and Keynote Speaker in **37th National Conference on “Computing Informatics, Networks & Security”** organized by Tecnia Institute of Advanced Studies (TIAS), Delhi, India on 18th June 2022.
- 90) Acted as Guest of Honour and Keynote Speaker in **National Conference on “Digital Transformation in Education During COVID: Prospects & Challenges”** organized by S. D. College, Panipat, Haryana and delivered address on ***“21st Century Disruptive Technologies & Digital Transformation in Education”*** on 23rd Feb. 2022.
- 91) Acted as Keynote Speaker in **3rd International Conference on ‘Information Management & Machine Intelligence (ICIMMI-2021)’** organized by Poornima Institute of Engineering & Technology, Jaipur on 24th December 2021 and delivered online keynote address on ***“Machine***

Learning & Data Analytics: Disruptive Computing Technologies”.

- 92) Acted as Keynote Speaker in **2-Days International Conference (Multidisciplinary) on “Role of ICT during COVID-19 (ICRICTC-2022)”** organized by Aggarwal College, Ballabgarh, Faridabad on 29th January 2022.
- 93) Acted as Keynote Speaker in **National E-Conference on “Tapping 21st Century Skill Requirements in in Technical Education”** organized by DAV Institute of Management, Faridabad and delivered address on **“Pedagogical Innovations & 21st Century Skill Set for Academic Leaders”** on 21st January 2022.
- 94) Acted as Key Speaker in **AICTE Sponsored National Conference on “Visualizing and Sensitizing Innovations in Information Technology”** organized by Vivekananda Institute of Professional Studies (VIPS), Delhi, India on 20th October 2021.
- 95) Acted as Guest of Honour and Keynote Speaker in **National Webinar on “Internet of Things”** organized by K.L. Mehta Dayanand College for Women, Faridabad on 5th October 2021.
- 96) Attended **2nd International Conference on Data Analytics and Management (ICDAM-2021)** and contributed as co-author of the paper presented titled **“Intelligent IoT System and Vaccination analysis for COVID-19”** on 26th June 2021.
- 97) Attended **2nd International Conference on Data Analytics and Management (ICDAM-2021)** and contributed as co-author of the paper presented titled **“Performance Analysis of Classification Techniques in Data Mining using WEKA”** on 26th June 2021.
- 98) 8th IEEE International Conference on **“Computing for Sustainable Global Development”** – 15th INDIACOM-2021 organized by BVICAM, New Delhi during 17th –19th March, 2021 and Chaired a Technical Session on 18th March 2021.
- 99) Attended One-week AICTE sponsored Short Term Training Program on **“Internet of Things and Data Analytics”** through online mode organized from 24th – 1st Dec 2020 by the Department of Information Technology, JSS Academy of Technical Education, Noida.
- 100) Acted as Keynote Speaker on May 3, 2020 in **1st Online International Conference on Rebuilding BHARAT with Artificial Intelligence Interventions after COVID-19 Pandemic : Opportunity and Challenges (A2ICP-2020)** during May 02-03, 2020 organised by Department of Computer Science and Engineering, University School of Information and Communication Technology, Gautam Buddha University, Greater Noida, Uttar Pradesh, INDIA.
- 101) Attended One Week Online Faculty Development Programme on **“R Programming”** conducted by Birla Institute of Technology Mesra, Noida Campus jointly with Spoken Tutorial Project, IIT, Mumbai during May 11-16, 2020.
- 102) Attended the India First Leadership Talk webinar with Prof D. P. Singh, Chairman UGC Broadcasted on 9th May, 2020 by MHRD’s Innovation Cell, Govt. of India.
- 103) Attended **One Day Online Workshop on Python Programming** on April 25, 2020 organized by Department of Computer Science and Engineering, University School of Information and Communication Technology, Gautam Buddha University, Greater Noida, Uttar Pradesh, INDIA.
- 104) Acted as the Key Speaker and conducted the Webinar on **“Blockchain Technology for New Era of Higher Education”** held on May 14, 2020 organised by Blockchain Study Circle, Department of Computer Science and Engineering, University School of Information and Communication Technology, Gautam Buddha University, Greater Noida, Uttar Pradesh, INDIA.
- 105) Acted as the Key Speaker and conducted the Webinar on **“Disruptive Technologies for 21st Century Intelligence Space”** held on May 23, 2020 organised by Amity Institute of Information Technology, Amity University, Noida, NCR, New Delhi.

- 106) Attended Webinar on ***“Artificial Intelligence and Deep Learning”*** held on 22/04/2020, organized by Department of Computer Science and Engineering, University School of Information and Communication Technology, Gautam Buddha University, Greater Noida, Uttar Pradesh, INDIA.
- 107) Attended Webinar on ***“Environmental and Dietary Norms for Preventive Immunity for Corona”*** held on 16/04/2020, organized by Department of Computer Science and Engineering, University School of Information and Communication Technology, Gautam Buddha University, Greater Noida, Uttar Pradesh, INDIA.
- 108) Attended Webinar on ***“Online Teaching, Evaluation and Admin Options Under Lockdown and Their Efficacy”*** held on 14/04/2020, organized by Department of Computer Science and Engineering, University School of Information and Communication Technology, Gautam Buddha University, Greater Noida, Uttar Pradesh, INDIA.
- 109) Attended Webinar on ***“COVID-19 Disruption to Infiltrate Organisations Networks - No Mercy From Cyber Hackers”*** held on 12/05/2020, organized by Department of Computer Science and Engineering, University School of Information and Communication Technology, Gautam Buddha University, Greater Noida, Uttar Pradesh, INDIA.
- 110) Acted as Keynote Speaker and delivered Keynote Address on 15th March 2019 in International Conference on ***“ICT for Digital, Smart and Sustainable Development (ICIDSSD-19)”*** organized by School of Engineering Sciences & Technology, Jamia Hamdard, New Delhi during March 15-16, 2019.
- 111) 5th IEEE International Conference on ***“Computing for Sustainable Global Development”*** – 13th INDIACOM-2019 organized by BVICAM, New Delhi during 13th –15th March, 2019 and Chaired a Technical Session on 15th March 2019.
- 112) Acted as Resource Person on 2nd March 2019 in NCW Sponsored One Day National Seminar on ***“Cyber World: schemes and Strategies for Crime Against Women”*** organized by Vaish Arya Shikshan Mahila Mahavidyalaya, Bahadurgarh, NCR Delhi on 2nd March 2019.
- 113) Acted as Keynote Speaker on 7th Feb. 2019 in Workshop on ***“Women Safety and Gender Sensitive Issues at Workplace”*** organized by SCSHVW Cell, M.D. University, Rohtak on 7th Feb. 2019.
- 114) Acted as Keynote Speaker and delivered Keynote Address on 21st January 2019 in National Seminar on ***“Information Explosion and the 21st Century Youth: Prospects and Challenges”*** organized by Km. Mayawati Govt. Girls P.G. College, Badalpur, Gautambudh Nagar, U.P. and delivered keynote on the theme ***“Recent Trends in Computing Technology: Prospects and Challenges”***.
- 115) Acted as Resource Person on 19th January 2019 in National Seminar on ***“Critiques of science & Technology: Social Implications”*** organized by DAV Centenary College, Faridabad, Haryana on January 19, 2019.
- 116) Acted as Resource Person on 7th January 2019 in AICTE & ISTE Sponsored Refresher/Faculty Development Programme on the **theme *“Challenges in Engineering Education”*** organized by MERI College of Engineering & Technology, Asanda, Jhajjar, NCR, New Delhi on January 7, 2019.
- 117) Acted as Key Speaker and delivered Keynote Address on the theme of the conference in ***International Conference on Emerging Trends in Science & Technology (ICETST-2018)***, organized by Gateway Institute of Engineering and Technology (GIET), Sonapat, Haryana on April 13, 2018.
- 118) Acted as Keynote Speaker and delivered Keynote Address on 12th April 2018 in National Conference on ***“Role of Entrepreneurship in the Era of Digital India”*** organized by MSIT

& BMCCEM, NH-1, Jagdishpur, Delhi NCR on April 12, 2018.

- 119) Acted as Key Speaker and delivered Keynote Address on the theme of the conference in *National Conference on Information Technology, Engineering, Environment Science and Management (NCIEEM-2018)* organized by DAV Institute of Management, Faridabad (Haryana) on April 7, 2018.
- 120) Acted as Key Speaker and delivered Invited Talk on 6th April 2018 in the Springer Sponsored International Conference on “*Innovative Computing and Communication*”- ICICC-2018 organized by Guru Nanak Institute of Management, New Delhi, India during May 5-6, 2018.
- 121) Acted as Session Chair on 6th April 2018 in the Springer Sponsored International Conference on “*Innovative Computing and Communication*”-ICICC-2018 organized by Guru Nanak Institute of Management, New Delhi, India during May 5-6, 2018.
- 122) Acted as Invited Speaker and delivered Invited Talk on “*Recent Innovations in Data Analytics*” on 31st March 2018 (afternoon) in the AICTE Sponsored International Conference on “*Recent Advances in Engineering*” organized by N.C. College of Engineering, Israna, Panipat during March 30-31, 2018.
- 123) Acted as Chief-Guest in the Valedictory Function on 31st March 2018 (afternoon) in the AICTE Sponsored International Conference on “*Recent Advances in Engineering*” organized by N.C. College of Engineering, Israna, Panipat during March 30-31, 2018.
- 124) Acted as Keynote Speaker and delivered Keynote Address on 23rd March 2018 in National Conference on “*Latest Innovations in Data Science & Cyber Security*” organized by MSIT & BMCCEM, NH-1, Jagdishpur, Delhi NCR on March 23, 2018.
- 125) Acted as Chief-Guest in Valedictory Session in National Conference on “*Latest Innovations in Data Science & Cyber Security*” organized by MSIT & BMCCEM, NH-1, Jagdishpur, Delhi NCR on March 23, 2018.
- 126) Acted as Guest of Honour in Workshop on “*Women Safety and Gender Sensitization at Workplace*” organised by M.D. University, Rohtak on 22.03.2018 and acted as Resource Person on “*Cyber Crimes and Cyber Security*”.
- 127) Acted as Resource Person and delivered Invited Talk on “*Recent Innovations in Computing & Data Analytics Technologies for India Tomorrow*” on 16th March 2018 (afternoon) in Paricharcha-2018 National Conference on *Big Data Analytics* organised by C.R.S. University, Jind, Haryana during March 16-17, 2018.
- 128) 5th IEEE International Conference on “*Computing for Sustainable Global Development*”- 12th INDIACom-2018 organized by BVICAM, New Delhi during 14th – 16th March, 2018 and Chaired a Technical Session on 15th March 2018.
- 129) Acted as Resource Person/Invited Speaker and delivered Invited Talk “*Recent Innovations & Computing Technologies for India Tomorrow*” on 11th March 2018 in DGHE, Haryana sponsored National Conference on “*Recent Trends in Network Security*” organized by S.D.(P.G.) College, Panipat (Haryana) during March 10-11, 2018.
- 130) Acted as Keynote Speaker and delivered Keynote Address on “*Future Smart Computing Technologies: Opportunities & Challenges*” on 9th March 2018 during Inaugural Session the DGHE, Haryana Sponsored National Conference on “*Energy & Sustainability: Sources, Expectations & Uncertainties*” organized by Aggarwal College Ballabgarh, Faridabad (Haryana) during March 9-10, 2018.
- 131) Acted as Chief-Guest and Keynote Speaker on Feb. 17, 2018 in DGHE, Haryana sponsored One Day National Seminar on “*Recent Advances in Information Technology*” organized by

K.L. Mehta Dayanand College for Women, Faridabad (Haryana) on Feb. 17, 2018.

- 132) Acted as Keynote Speaker on 25th January 2018 in NAAC Sponsored National Seminar on *"Teaching, Learning and Evaluation"* organized by IQAC, DAV Centenary College, Faridabad (Haryana) on January 25, 2018.
- 133) Acted as Invited Speaker and delivered Invited Talk on *"Future Innovations and Computing Technologies"* on 11th January 2018 in 1st North India Science Congress (NISC-2018) and International Conference on *"Science and Technology for Sustainable Future"* organized by Babasaheb Bhimrao Ambedkar Central University, Lucknow during January 10-11, 2018.
- 134) Acted as Conference Chairman of the National Conference on *"Future Innovations in Computing Technologies and Machine Learning (FICTML-17)"*, Dept. of Comp. Sc. & Appls, M.D. University, Rohtak on November 21, 2017 and also delivered welcome address.
- 135) Acted as Invited Speaker on the theme of the National Conference on *"Advances in Mathematics & Computing (AMC-2017)"* organized by YMCA University of Science & Technology, Faridabad on May 2, 2017.
- 136) Acted as Keynote Speaker in the International Conference on *"A Journey towards Platinum Era – Vision Rainbow Power of India (ICPVRPI-2017)"* organized by IMT, Faridabad on 7th April 2017 held during April 7-8, 2017.
- 137) Acted as Chief-Guest for Valedictory Session in the TEQIP-II Sponsored International Conference on *"Innovation & Trends to Support Make in India"* organized by N.C. College of Engineering, Israna, Panipat on 26th March 2017.
- 138) Acted as Conference Chairman of the National Conference on *"Emerging Trends in Cloud Computing and Big Data Analytics (ETCCBDA-17)"*, Dept. of Comp. Sc. & Appls, M.D. University, Rohtak on March 6, 2017 and delivered the address on the theme of the conference.
- 139) Acted as Keynote Speaker in One Day National Seminar on *Cyber Crime and Security* organized by K.L. Mehta Dayanand College for Women, Faridabad on March 4, 2017.
- 140) 4th IEEE International Conference on *"Computing For Sustainable Global Development"* 11th INDIACOM-2017 organized by BVICAM, New Delhi during 01st- 03rd March, 2017 and Chaired a Technical Session on 02nd March 2017.
- 141) Acted as Chief-Guest and Keynote Speaker in National Seminar on *"Mathematics and Computer-Computing and Communication (NSMCCC-2017)"* organized by Aggarwal College, Ballabgarh, NCR-Faridabad on 18th Feb. 2017.
- 142) Acted as Keynote Speaker in the 6th IEEE National Conference on *"Emerging Trends in Engineering & Technology (ETET-2017)"* organized by SBIT, Sonapat, Delhi-NCR on 10th Feb. 2017 and delivered expert talk on *"Innovative Future Computing Technologies: Opportunities and Challenges"*.
- 143) Acted as Chief-Guest and Keynote Speaker in the International Conference on *"Innovative Developments in Science, Technology and Management"* organized by Ganga Technical Campus, Delhi-NCR on 29th January, 2017.
- 144) Acted as Resource Person on 20.12.2016 in FDP-SCTSEA (One Week Faculty Development Programme on Recent Trends of Soft-Computing Techniques in Software Engineering and Applications" organized by Gautam Buddha University, Greater Noida.
- 145) Acted as Chief-Guest and Keynote Speaker on December 8, 2016 in the National

- Conference on “*Innovation & Technology Strategy in Cloud Computing and Information Security*” organized by Lingaya’s University, Delhi-NCR during December 8-9, 2016.
- 146) Acted as a Resource Person in *Elsevier Author workshop* on November 18, 2016 conducted by Vivekananda Library M. D. University Rohtak.
 - 147) Acted as Resource Person and Chaired Technical Session on 28th October 2016 in the DST-Inspire Science Camp organized by Ch. Bansi Lal University, Bhiwani and delivered talk on “*Future Computing Technologies*”
 - 148) Acted as Resource Person in National Workshop on “*E-Governance in India: Issues and Challenges*” organized by Dept. of Public Administration, M.D. University, Rohtak on October 5, 2016.
 - 149) Acted as Keynote Speaker and Guest of Honour in the International Conference on “*Recent Innovations in Science, Management, Education and Technology (ICRISMET- 16)*” organized by JCD Memorial College, Sirsa, Haryana on 27th August 2016.
 - 150) Acted as Guest of Honor and delivered Valedictory Address on the theme of the National Conference on “*Emerging Trends in Computer Science and Electronics Engineering – ETCSEE-2016*” organized at RPS Group of Institutions, Mahendergarh on 10th April, 2016.
 - 151) 3rd IEEE International Conference on “*Computing For Sustainable Global Development*”
– 10th INDIACom-2016 organized by BVICAM, New Delhi during 16th – 18th March, 2016 and Chaired a Technical Session on 18th March 2016.
 - 152) Acted as Guest of Honor and delivered Keynote Address on the theme of the “*National Conference on Cyber Security Issues and Challenges*” held at Tecnia Institute of Advanced Studies, New Delhi on 26th Feb, 2016.
 - 153) “50th Golden Jubilee Annual Convention (CSI-2015)” on the theme “Digital Life” during December 2-5, 2015 at BVICAM, New Delhi Chaired a Technical Session on 3rd December 2015.
 - 154) International Conference on *Software Engineering Research and Practice (SERP’14)* at Las Vegas, USA during July 21-24, 2014 and presented our paper “*Application of a Fuzzy Inference System to Measure Maintainability of Object-Oriented Software*” and chaired Two Technical Sessions of the Intl Conference.
 - 155) Two Weeks (May 4-16, 2015) *Faculty Development Program on Rational SEED and Rational SEED for Quality* conducted by WebTek Labs Pvt. Ltd. at Department of Computer Science & Applications, M.D. University, Rohtak.
 - 156) International Conference on “*Recent Trends in Computer and Information Technology Research*” organised by B.S. Anangpuria Institute of Technology and Management, Faridabad (Haryana) on September 25, 2015 and delivered Keynote Address on the theme of the Conference.
 - 157) International Conference on “*Emerging Trends in Technology, Science & Upcoming Research*” held at DAV Institute of Management, Faridabad (Haryana) on April 25, 2015. Acted as Chief Guest and delivered Keynote Address on the theme of the Conference.
 - 158) 1st International Yoga Day Celebrations organized by M.D. University, Rohtak on 21st June, 2015 and chaired Session in Seminar on “Yoga and Holistic Life” at MDU Campus.
 - 159) Yoga Training/7-Days Health Awareness Camp (18.6.2015-24.6.2015) held at Youth Red Cross, M.D. University, Rohtak and delivered keynote address on its Inaugural Day.
 - 160) Inter-Zonal Youth Festival and Folk Festival of M.D. University, Rohtak for session 2014-15 and acted as Organizing Secretary of this event.
 - 161) International Conference on “*Innovative Trends in Computing Technology & Mathematica*” – ITCTM-2015 organised by Delhi Institute of Technology & Management,

- Sonepat, Haryana on January 10, 2015 and contributed Keynote Address on the theme of the Conference in the proceedings of the Conference (*Could not attend the Conference*).
- 162) National Conference on “*Innovations in Computing and Information Technology*” – COGNITION-2015 organised by Amity University, Gurgaon, Haryana on 25th – 26th February, 2015 and participated as a Keynote Speaker in the Inaugural of the Conference and also Chaired a session on ‘*Advancements in Information Technology*’.
 - 163) National Conference on “*Emerging Trends in Computer Science & Information Technology*”– NCETCSIT-2015 organised by Rawal Institutions, Faridabad, Haryana on January 10, 2015 and delivered Keynote Address on the theme of the Conference.
 - 164) Workshop on “*Sexual Harassment and Violence against Women: Prevention, Prohibition and Redressal*” organised by M.D. University, Rohtak on 17.03.2015 and acted as Resource Person on “*Cyber Crimes and Cyber Security*”.
 - 165) IEEE sponsored 4th National Conference on “*Emerging Trends in Engineering & Technology*”– ETET-2015 organised by SBIT, Sonepat, Haryana on February 6-7, 2015 and delivered Keynote Address on the theme of the Conference during its inaugural.
 - 166) National Conference on “*Innovative Trends in Computer Science Engineering–ITCSE- 2015*” organised by BRCM College of Engg. & Technology, Bahal (Hr) on April 4, 2015. Acted as Chief Guest and delivered Keynote Address on the theme of the Conference.
 - 167) National Conference on “*Innovative Development in Science, Technology & Management*” organised by Ganga Technical Campus, Bahadurgarh, Haryana on 1st March 2015 and as a Chief-Guest & Keynote Speaker delivered Keynote Address on the theme of the Conference.
 - 168) National Conference on “*Advancement in Biometrics Trends & Its Applications*” organised by Dronacharya College of Engineering, Gurgaon on October 16, 2015 as Chief-Guest & Keynote Speaker delivered Keynote Address on the theme of the Conference.
 - 169) National Workshop on “*Intelligent System for Engineering and Management*” organized by Somany(P.G.) Institute of Technology and Management, Rewari, Haryana on 28th March 2015 and as a Chief-Guest delivered Keynote Address on the theme of the Workshop.
 - 170) National Workshop on “*Emerging Trends in Computing & Challenges for Future*” organised by BLS Institute of Technology Management, Bahadurgarh (Hr.) on 22nd April 2015 and delivered Keynote Address on the theme of the Workshop.
 - 171) Workshop on “*Quality Workshop for Engineering Faculty*” organised by IQAC, Manav Rachna International University, Faridabad (Haryana) on 27th September, 2014 and delivered a session on “*Methods and Techniques for Effective Teaching in Technical Courses*”.
 - 172) National Conference on “*Recent Innovations in Engineering, Management and Science*” organised by Ganga Institute of Technology and Management, Kablana (Haryana) on 23rd August, 2014 and acted as Chief Guest and delivered Keynote Address.
 - 173) 7th National Teachers’ Science Congress-2013 organised by Department of Science & Technology, MHRD, Govt. of India at Al-Falah School of Engg. & Technology, Faridabad during December 14-17, 2013 and acted as an Expert/Evaluator.
 - 174) International Conference on “*Emerging Technologies – ICET-2014*” organised by N.C. College of Engineering, Israna, Panipat and sponsored under TEQIP-II during April 24- 26, 2014 and delivered an Invited Talk and chaired a Technical Session.
 - 175) AICTE Sponsored National Seminar on “*Mobile Computing and Mobile Applications Development – MOBAPP-2014*” organised by N.C. College of Engineering Technical Campus, Israna, Panipat during March 28-29, 2014 and delivered a Keynote Address.
 - 176) National Conference on “*Innovative Trends in Information Processing & Management-*

- NCITIPM2K14” organised by Maharaja Surajmal Institute (MSI), New Delhi on March 15, 2014 and delivered a Keynote Address.
- 177) International Conference on "*Computing For Sustainable Global Development*" – 8th INDIACom-2014 organized by BVICAM, New Delhi during 5th – 7th March, 2014 and Chaired a Technical Session on 7th March 2014.
 - 178) One Week National Workshop on "*Problem Solving Using MATLAB*", organised by Department of Computer Science & applications, M.D. University, Rohtak during March 24-29, 2014.
 - 179) National Conference on "*Innovative Trends in Information Processing & Management*"- NCITIPM2K14 organised by Maharaja Surajmal Institute (MSI), New Delhi on March 15, 2014 and chaired Technical Session of the conference.
 - 180) National Conference on "*Emerging Trends in Electronics & Communication: ETEC- 2013*" organized by BRCM College of Engg. & Technology, Bahal, Haryana during October 25-26, 2013 and delivered a Keynote Address on "*Future Trends in Computing and Communication Technologies*" on October 26, 2013.
 - 181) National Conference on "*Emerging Trends & Innovations in Computer & Communication*" – NCETICC-2013 organized by SITM, Rewari on October 19, 2013 and delivered a Keynote Address on "*Future Trends & Innovations in Computing Technologies*".
 - 182) National Conference on "*Global Competitiveness: Paradigm Shift in Management, Engineering & science*", organised by Savera Group of Institutions, Gurgaon, Haryana on April 27, 2013 and delivered a Invited Talk on the theme of Conference.
 - 183) IEEE sponsored 2nd National Conference on "*Emerging Trends in Engineering & Technology*" (ETET-2013), organised by SBIT Group of Institutions, Sonapat, Haryana during Feb. 8-9, 2013 and delivered a Keynote Address.
 - 184) National Conference on "*Emerging Trends in Science, Technology and Management – Vision 2020*", organised by Savera Group of Institutions, Gurgaon, Haryana on Jan 18- 19, 2013 and delivered a Keynote Address on "*Emerging Trends in Computing Technologies*".
 - 185) National Conference on "Emerging Trends in Science, Technology & Management- Vision 2020" ICHDMS-2012 organised by GITM, Gurgaon during January 18-19, 2013 and delivered Keynote Address on the theme "*Emerging Trends in Computing Technologies*" in the inaugural session on 18th January 2013.
 - 186) International Conference ICHDMS-2012 organised by Department of Mathematics, M.D. University, Rohtak during November 21-24, 2014 and delivered an Invited Talk on the theme "*Next Generation Computing Technologies: Opportunities and Challenges*" in the Technical Session on Nov. 22, 2012.
 - 187) International Conference on "*Innovations in Management & Information Technology*" (ICIMIT-2012) organized by IMT, Faridabad on 7th April, 2012 and addressed the audience in the inaugural session as well as chaired the Technical Session.
 - 188) IEEE sponsored 1st National Conference on "Emerging Trends in Engineering and Technology" (NCETET-12) organised by SBIT, Sonapat on Feb. 3-4, 2012 in collaboration with Computer Society of India (CSI), Indian Society for Technical Education (ISTE), and IEEE Student Branch - Delhi chapter on and addressed the audience in the inaugural session on Feb. 3, 2012 as well as chaired the Technical Session.
 - 189) National Conference on "Emerging Trends In Computer and Information Technology" (NCETCIT-2012) organised by GVMITM, Sonapat during MAY 11-12, 2012 and delivered an expert talk on "*Emerging Trends in Computing Technologies*"
 - 190) 2nd National Conference on Emerging Trends In Electronics & Information Technology organised by AITM, Palwal during April 14-15, 2012 and delivered Keynote Address on

“Future Generation Computing Technologies”

- 191) National Conference on *“Internet Computing and Communication (IC2)”* organised by TIAS, New Delhi on April 21, 2012 and delivered Keynote Address on *“Next Generation Computing Technologies: Opportunities & Challenges”*
- 192) International Conference on *“Business Intelligence-An Alignment of IT & Management”* at IMT, Faridabad, April 9, 2011 and delivered a talk on the theme of the Conference.
- 193) National Workshop on *“Software Reliability and Testing”*, Gautam Buddha University, Greater Noida (UP), Sept 2-3, 2011 and delivered a talk on *“Component-based Software Testing: Issues and Challenges”* on Sept. 3, 2011.
- 194) National Seminar on *“Tourism – Linking Cultures”* organized by Institute of Hotel & Tourism Management, M. D. University, Rohtak on Sept. 27, 2011 and delivered an Expert Lecture as one of Key Speakers on *“IT and Tourism: New Opportunities for Linking Cultures”*.
- 195) Organised National Conference on *“Emerging Trends in Mobile Technologies & Security (ETMTS-II)”* by Department of Computer Science & Applications, Maharshi Dayanand University, Rohtak on March 29, 2011 and brought out published volume of Conference Proceedings. (Acted as Conference Director)
- 196) National Conclave on *“Language and IT Industry – Jell Well”*, DAV Centenary College, Faridabad on Feb. 25, 2011 and delivered Keynote Address.
- 197) International Conference on *Software Engineering Theory and Practice 2008 (SETP- 2008)* at Florida during July 7-10, 2008 and presented my paper *“Need of Appropriate Component Reusability Metrics and Standards for Component-Based Systems”*.
- 198) National Conference on *“Emerging Trends in Hospitality & Tourism”*, Organized by IHTM, Maharshi Dayanand University, Rohtak, April 09-10, 2011.
- 199) Workshop on *“Recent Trends in Software Testing”* organized by Delhi Technological University, Delhi on 17th September, 2010 and delivered Invited Talk on *“Component-Based Testing”*.
- 200) National Seminar on *“Global Meltdown”* at IMT, Faridabad, April 10-11, 2009 and presented Invited Paper *“Global Meltdown: Challenges & Opportunities”*.
- 201) National Seminar on *“e-Governance: Opportunities & Challenges”* at GVM Institute of Technology & Management, Sonapat on May 23, 2009 and presented Keynote Address on *“e-Governance: Opportunities, Risks and Challenges”*.
- 202) National Seminar on *“Trends in Wireless and Mobile Communication (TWMC-09)”*, at SBIT, Sonapat on 27.02.2009 and made a presentation as Keynote Speaker on *“MDU Campus Wide Integrated Network for Internet & Telephony”*.
- 203) National Seminar on *“e-business”* at Tecnia Institute, New Delhi and made a presentation as Keynote Speaker on *“e-Business in 21st Century: Opportunities & Challenges”*.
- 204) Invited Speaker in National Seminar on *Regional Development*, M.K.J.K. Mahavidyalaya, Rohtak on September 19, 2007 and made a presentation on *e-Governance for Regional Development: Opportunity & Challenges*.
- 205) Key Note Speaker in National Seminar on *Enterprise Information Systems*, organized by Apeejay Institute of Management, Jalandhar on 24.5.2008 and made a presentation on *Enterprise Information Systems in 21st Century: Opportunities and Challenges*.
- 206) ICDE International Conference held at IGNOU, New Delhi in Nov. 2006.
- 207) International Conference on *Information Management in A Knowledge Society (ICIM 2005)* organized by IASLIC at Bombay during Feb. 21-25, 2005 and presented paper *“Data*

Mining: A Key To Knowledge Society”.

- 208) National Conference on *India in the Globalized World: Challenges and Opportunities*, April 30-May 1, 2005 and presented paper *“Essence of Strengthening Cyber Laws in India: Need of the Hour”*.
- 209) Workshop on ICT on May 7th, 2004 at C.R. College of Education, Rohtak and presented the paper *“ICT in Education”*.

G) Resource Person/Expert Lecturers Delivered/Workshops Conducted

- 210) Acted as an Expert on 24th February 2024 and conducted a Plenary Session on ***“Machine Learning Inspired 21st Century Smart Environment”*** organized by MKM College of Management and IT for Girls, Hodal, Palwal.
- 211) Acted as Resource Person in UGC-Human Resource Development Centre, G.J. University of Science & Technology, Hisar and conducted expert session in **UGC sponsored One- Month Online Faculty Induction Program: FIP-6** on the topic ***“Innovations, Digital Initiatives and Disruptive Technologies of 21st Century”*** on June 13, 2022.
- 212) Acted as Resource Person in UGC-Human Resource Development Centre, G.J. University of Science & Technology, Hisar and conducted expert session in **UGC sponsored One- Month Online Faculty Induction Program: FIP-6** on the topic ***“MOOCs: Planning & Development Using MOODLE LMS”*** on June 13, 2022.
- 213) Acted as Resource Person in **Refresher Course in Effective Teaching Skills** organized by UGC-HRDC, Pondicherry University and conducted expert session on ***“Skills and Techniques for E-Content Development”*** on March 14, 2022.
- 214) Acted as Resource Person in **Refresher Course in Effective Teaching Skills** organized by UGC-HRDC, Pondicherry University and conducted expert session on ***“Using MOODLE LMS for Teaching & Learning”*** on March 14, 2022.
- 215) Acted as Chief-Guest and delivered Online Valedictory address **One Week AICTE ATAL sponsored FDP on “Data Science”** organized by J. C. Bose University of Science & Technology, YMCA, Faridabad on 25th Feb. 2022.
- 216) Acted as Resource Person in **6th Online Faculty Induction Programme** organized by UGC-HRDC, Pondicherry University and conducted expert session on ***“Skills and Techniques for E-Content Development”*** on February 28, 2022.
- 217) Acted as Resource Person in **6th Online Faculty Induction Programme** organized by UGC-HRDC, Pondicherry University and conducted expert session on ***“Using MOODLE LMS for Teaching & Learning”*** on February 28, 2022.
- 218) Acted as Resource Person in **2-Weeks Online Capacity Building Program on Teaching, Learning and Research** organized by Faculty Development Centre, M. D. University, Rohtak, Haryana and conducted Expert Session on the topic ***“Using MOODLE LMS for Online Teaching and Learning”*** on January 14, 2022.
- 219) Acted as Resource Person in **2-Weeks Online Capacity Building Program on Teaching, Learning and Research** organized by Faculty Development Centre, M. D. University, Rohtak, Haryana and conducted Expert Session on the topic ***“21st Century Skill Set and Digital Initiatives for Academic Leaders”*** on January 13, 2022.
- 220) Acted as Resource Person in **One Week AICTE sponsored Online FDP on “Machine Learning for IoT”** organized by G.J. University of Science & Technology, Hisar and conducted Expert Session on ***“IoT and Machine Learning Inspired Smart Environment”*** on 5th January 2022.
- 221) Acted as Resource Person in UGC-Human Resource Development Centre, G.J. University

of Science & Technology, Hisar and conducted expert session in **UGC sponsored Interdisciplinary Refresher Course on ICT – Preparing Teachers for 21st Century** on the topic ***“21st Century Skill-Set for Academic Leaders and Digital Initiatives”*** on Dec. 8, 2021.

- 222) Acted as Resource Person in UGC-Human Resource Development Centre, G.J. University of Science & Technology, Hisar and conducted expert session in **UGC sponsored Interdisciplinary Refresher Course on ICT – Preparing Teachers for 21st Century** on the topic ***“Using MOODLE LMS for Online Teaching and Learning”*** on Dec. 8, 2021.
- 223) Acted as Resource Person in **One Week Workshop on “Quality Assurance in HEIs: Challenges Ahead”** organized by IQAC Cell, Chaudhary Ranbir Singh University, Jind and conducted Expert Session on ***“Technological and Pedagogical Innovations 21st Century Teaching & Learning”*** on 26th November 2021.
- 224) Acted as Resource Person and delivered Expert Lecture in **One Day Online Capacity Building & Personality Development Program for Female Students** on ***“Digital Literacy & Effective Use of Social Media”*** jointly organized by National Commission for Women (NCW) and Centre for Life Skills & Soft Skills (CLAS), M.D. University, Rohtak on 18th October 2021.
- 225) Acted as Resource Person and delivered Expert Lecture in **One Week AICTE ATAL Online Faculty Development Programme on “Developing Life Skills & Capacity Building of Pharma Professionals”** organized by Centre for Life Skills & Soft Skills (CLAS), M.D. University, Rohtak on 13th Sept. 2021.
- 226) Acted as Resource Person in UGC-Human Resource Development Centre, G.J. University of Science & Technology, Hisar and conducted expert session in **RUSA sponsored One-Month Online Faculty Induction Program: FIP-5** on the topic ***“Role of ICT in Education-Major Reforms: NEP-2020”*** August 31, 2021.
- 227) Acted as Resource Person in UGC-Human Resource Development Centre, G.J. University of Science & Technology, Hisar and conducted expert session in **RUSA sponsored One-Month Online Faculty Induction Program: FIP-5** on the topic ***“Using MOODLE LMS for Online Teaching and Learning”*** on August 31, 2021.
- 228) Acted as Resource Person in **30 Days Online 4th Faculty Induction Programme for University and College Teachers** organized by UGC-HRDC, Pondicherry University and conducted expert session on ***“Module 3: Lesson Planning – Basic idea, logic and different types”*** on August 30, 2021.
- 229) Acted as Resource Person in **30 Days Online 4th Faculty Induction Programme for University and College Teachers** organized by UGC-HRDC, Pondicherry University and conducted expert session on ***“Module 3: Skills and Techniques for Writing Lesson Plans”*** on August 30, 2021.
- 230) Acted as Resource Person and delivered Expert Lecture in **One Week AICTE sponsored Online STTP on “Emerging Research Areas in Big Data Computing”** organized by Department of Computer Engineering, J. C. Bose University of Science & Technology, YMCA, Faridabad on 31st July 2021.
- 231) Acted as Resource Person and delivered Expert Lecture on the topic ***“Role of MOOCs and LMS in 21st Century Teaching and Learning”*** in **One Week Online FDP on “Cardinal Role of Quality Education in Developing Self-Reliant India”** organized by Aggarwal College Ballabgarh on 9th July 2021.
- 232) Acted as Resource Person in UGC-Human Resource Development Centre, G.J. University of Science & Technology, Hisar and conducted expert session in **UGC sponsored One-Week Online (Live Mode) Workshop on “Leadership Development Programme”** on the topic ***“21st century skill set for Academic Leaders of Tomorrow”*** on March 11, 2021.
- 233) Acted as Resource Person in UGC-Human Resource Development Centre, G.J. University

- of Science & Technology, Hisar and conducted expert session in **UGC sponsored One-Week Online (Live Mode) Workshop on “Leadership Development Programme”** on the topic **“Digital Initiatives”** on March 11, 2021.
- 234) Acted as Resource Person in **National Webinar on “Recent Trends in IT and Management”** organized by Saraswati Mahila Mahavidyalaya, Palwal on April 5, 2021.
 - 235) Acted as Resource Person and delivered Expert Lecture in **One Week AICTE sponsored Online STTP on “Recent Advancements in Artificial Intelligence and Machine Learning”** organized by Department of Computer Engineering, J. C. Bose University of Science & Technology, YMCA, Faridabad on 22nd March 2021.
 - 236) Acted as Resource Person in **30 Days Online 3rd Faculty Induction Programme for University and College Teachers** organized by UGC-HRDC, Pondicherry University and conducted expert session on **“Module 3: Creating Activities in Moodle”** on Feb. 22, 2021.
 - 237) Acted as Resource Person in **30 Days Online 3rd Faculty Induction Programme for University and College Teachers** organized by UGC-HRDC, Pondicherry University and conducted expert session on **“Module 3: Skills and techniques for E-Content Development”** on Feb. 22, 2021.
 - 238) Acted as Invited Speaker and delivered Invited Talk on 26th Nov. 2020 on **“21st Century Intelligent Space: Opportunities & Challenges”** in **One Week Online e-STC on “Recent Advances of Machine Learning in Software Engineering”** organized by Department of Computer Science and Engineering, Dr. B R Ambedkar National Institute of Technology, Jalandhar, Punjab, India.
 - 239) Keynote Address on July 20, 2020 in One Week Online Faculty Development Programme on **“Blended Learning: Tools For Teaching & Research In Media, Management & Technology”** during 20th-25th July, 2020 organised by Management Education & Research Institute (MERI), New Delhi.
 - 240) Acted as Resource Person in UGC-Human Resource Development Centre, G.J. University of Science & Technology, Hisar and conducted expert session in **UGC sponsored One- Month Online Faculty Induction Programme-3** on the topic **“Digital Education and Changing Role of Teachers in 21st Century”** on November 25, 2020.
 - 241) Acted as Resource Person in UGC-Human Resource Development Centre, G.J. University of Science & Technology, Hisar and conducted expert session in **UGC sponsored One- Month Online Faculty Induction Programme-3** on the topic **“NAAC Assessment & Accreditation: An Overview”** on November 25, 2020.
 - 242) Acted as a Resource Person and conducted session on April 8, 2020 on **“Using Digital Platform for Online Teaching & Learning”** Institution Building – Leveraging our Stakeholders in the 'Principals' Online Meet & e-Workshop' from April 06-15, 2020 organized jointly by M.D. University, Rohtak, Haryana and Department of Higher Education, Govt. of Haryana.
 - 243) Acted as Resource Person in Online Faculty Development Programme conducted by Faculty Development Centre, M.D. University, Rohtak under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT), MHRD, Govt of India and conducted an expert session for participants on the topic **“Digital Initiatives in Higher Education and Pedagogical Innovations”** on April 12, 2020.
 - 244) Acted as Invited Speaker and delivered Keynote Address on July 20, 2020 in One Week Online Faculty Development Programme on **“Blended Learning: Tools For Teaching& Research In Media, Management & Technology”** during 20th-25th July, 2020 organised by Management Education & Research Institute (MERI), New Delhi.
 - 245) Acted as Resource Person in **Online Faculty Development Program** on **“Art of**

Education through Online Teaching Methods” organized by K.L. Mehta Dayanand College for Women, Faridabad on 17th June, 2020.

- 246) Acted as Resource Person in UGC-Human Resource Development Centre, Punjabi University, Patiala and conducted expert session for participants of 76th Refresher Course on “Information Communication Technology (ICT) on ***‘Next Generation Computing Technologies: Digital Perspective’*** on Feb. 21, 2020.
- 247) Acted as Resource Person in UGC-Human Resource Development Centre, Punjabi University, Patiala and conducted expert session for participants of 76th Refresher Course on “Information Communication Technology (ICT) on ***‘Pedagogical Innovations for Future Generation Learners and Researchers’*** on Feb. 21, 2020.
- 248) Acted as Resource Person in 3-Days Training Programme on “Design and development on MOOCs” conducted by B.P.S. Institute of Teacher Training & Research, B.P.S. Mahila Vishwavidyalaya, Khanpur Kalan, Sonapat, Haryana and conducted expert session for participants on the topic ***“Innovations & 21st Century Technologies: Digital Perspective”*** on November 26, 2020.
- 249) Acted as Resource Person in 3-Days Training Programme on “Design and development on MOOCs” conducted by B.P.S. Institute of Teacher Training & Research, B.P.S. Mahila Vishwavidyalaya, Khanpur Kalan, Sonapat, Haryana and conducted expert session for participants on the topic ***“Future Generation Learners & Working with Google Classroom”*** on November 26, 2020.
- 250) Acted as Invited Speaker and conducted Workshop on ***“Smart Computing Technologies: Digital World of Tomorrow”*** on Sept. 28, 2019 for Faculty and Students of Hindu Girls College, Sonapat, Haryana.
- 251) Acted as Resource Person in UGC-Human Resource Development Centre, Kurukshetra University, Kurukshetra, Haryana and conducted expert session for participants of **One Week Interdisciplinary Capacity Building Programme** on ***‘MOOCs and Open Education Resources’*** on the topic ***“Innovations and Future Computing: Digital Perspective”*** on September 20, 2019 (A.N).
- 252) Acted as Resource Person in UGC-Human Resource Development Centre, Kurukshetra University, Kurukshetra, Haryana and conducted expert session for participants of **One Week Interdisciplinary Capacity Building Programme** on ***‘MOOCs and Open Education Resources’*** on the topic ***“Next Generation Learners and Working With Google Classroom”*** on September 20, 2019 (A.N).
- 253) Acted as Invited Speaker and conducted Expert Session on ***“Innovations and Next Generation Computing Technologies”*** on Sept. 19, 2019 (Evening) for Faculty and Students of GITAM – Ganga Institute of Technology & Management, Jhajjar, Haryana.
- 254) Acted as Resource Person in UGC-Human Resource Development Centre, G.J. University of Science & Technology, Hisar and conducted expert session for participants of UGC Sponsored Interdisciplinary Refresher Course on Research Methodology on the topic ***“Innovations & Research: Digital Perspective”*** on August 31, 2019.
- 255) Acted as Resource Person in UGC-Human Resource Development Centre, G.J. University of Science & Technology, Hisar and conducted expert session for participants of UGC Sponsored Interdisciplinary Refresher Course on Research Methodology on the topic ***“Pedagogical Innovations for Next Generation Learners & Researchers”*** on August 31, 2019.
- 256) Acted as an Invited Speaker and conducted Workshop on ***“21st Century Computing Technologies: Opportunities & Challenges”*** for Faculty Members and Students at Institute of Management & Technology (IMT), Faridabad on August 21, 2020.
- 257) Acted as Resource Person in UGC-Human Resource Development Centre, G.J. University of Science & Technology, Hisar and conducted expert session for participants of RUSA

- Sponsored One Week Workshop on “MOOCs & Open Educational Resources” on the topic ***“Digital Tools for Next Generation Learners”*** on July 26, 2019.
- 258) Acted as Resource Person in UGC-Human Resource Development Centre, G.J. University of Science & Technology, Hisar and conducted expert session for participants of RUSA Sponsored One Week Workshop on “MOOCs & Open Educational Resources” on the topic ***“Hands on Training on Google Classroom and Kahoot!”*** on July 26, 2019.
 - 259) Acted as Resource Person in Faculty Development Programme conducted by PIET (Panipat Institute of Engineering & Technology) on ***“Soft Computing Applications to Design of Intelligent System”*** on July 19, 2019.
 - 260) Acted as Resource Person in Faculty Development Centre, M. D. University, Rohtak, Haryana and conducted expert session for participants of Seven Days Workshop on E-Learning Technologies on the topic ***“Future Trends for Next Generation Learners”*** on July 19, 2019.
 - 261) Acted as Resource Person in Faculty Development Centre, M. D. University, Rohtak, Haryana and conducted expert session for participants of Seven Days Workshop on E-Learning Technologies on the topic ***“Working With Google Classroom”*** on July 19, 2019.
 - 262) Acted as Resource Person in UGC-Human Resource Development Centre, B.P.S. Women University, Khanpur Kalan, Sonapat, Haryana and conducted expert session for participants of 34th Orientation Programme on the topic ***“21st Century Smart Computing: Need of the Hour”*** on July 3, 2019.
 - 263) Acted as Resource Person in UGC-Human Resource Development Centre, B.P.S. Women University, Khanpur Kalan, Sonapat, Haryana and conducted expert session for participants of 34th Orientation Programme on the topic ***“Future Trends for Next Generation Learners”*** on July 3, 2019.
 - 264) Acted as Resource Person in UGC-Human Resource Development Centre, G.J. University of Science & Technology, Hisar and conducted expert session for participants of UGC Sponsored Interdisciplinary Refresher Course on ICT – Preparing Teachers for 21st Century on the topic ***“21st Century Smart Computing Environment”*** on June 25, 2019.
 - 265) Acted as Resource Person in UGC-Human Resource Development Centre, G.J. University of Science & Technology, Hisar and conducted expert session for participants of UGC Sponsored Interdisciplinary Refresher Course on ICT – Preparing Teachers for 21st Century on the topic ***“Emerging Trends for Next Generation Learners”*** on June 25, 2019.
 - 266) Acted as Resource Person in **One Week Workshop on Academic Research in Hospitality & Tourism** organized by IHTM under the aegis of Ch. Ranbir Singh Institute of Social and Economic Change, M. D. University, Rohtak, Haryana and conducted expert on the topic ***“Digital Tools for 21st Century: Smart Environment”*** on June 21, 2019.
 - 267) Acted as Resource Person in **One Week Workshop on Academic Research in Hospitality & Tourism** organized by IHTM under the aegis of Ch. Ranbir Singh Institute of Social and Economic Change, M. D. University, Rohtak, Haryana and conducted expert on the topic ***“E-Resources Landscape for Researcher & Learning Community in India”*** on June 21, 2019.
 - 268) Acted as Resource Person in UGC-Human Resource Development Centre, B.P.S. Women University, Khanpur Kalan, Sonapat, Haryana and conducted expert session for participants of Refresher Course on ICT on the topic ***“21st Century Digital Tools for Smart Learning”*** on May 27, 2019.
 - 269) Acted as Resource Person in UGC-Human Resource Development Centre, B.P.S. Women University, Khanpur Kalan, Sonapat, Haryana and conducted expert session for participants of Refresher Course on ICT on the topic ***“Smart Learning with Google Classroom,***

Kahoot! And Classroom Screen” on May 27, 2019.

- 270) Acted as Resource Person in UGC-Human Resource Development Centre, G.J. University of Science & Technology, Hisar and conducted expert session for participants of UGC Sponsored 31st Orientation Programme on the topic ***“21st Century Computing Technologies for Smart Cities*”** on March 16, 2019.
- 271) Acted as Resource Person in UGC-Human Resource Development Centre, G.J. University of Science & Technology, Hisar and conducted expert session for participants of UGC Sponsored 31st Orientation Programme on the topic ***“21st Century Cyber Security Challenges*”** on March 16, 2019.
- 272) Acted as Resource Person in Faculty Development Centre, M. D. University, Rohtak, Haryana and conducted expert session for participants of Seven Days Workshop on E-Learning Technologies, E-Content Development and MOOCs on the topic ***“Working with Google Classroom, Kahoot! And Classroom Screen*”** on Feb. 26, 2019.
- 273) Acted as Resource Person in Faculty Development Centre, M. D. University, Rohtak, Haryana and conducted 02 Expert Sessions for participants of Seven Days Workshop on E-Learning Technologies, E-Content Development and MOOCs on the topic ***“Using Learning and Content Management System*”** on Feb. 25, 2019.
- 274) Acted as Resource Person in Faculty Development Centre, M. D. University, Rohtak, Haryana and conducted 02 Expert Sessions for participants of Seven Days Workshop on E-Learning Technologies, E-Content Development and MOOCs on the topic ***“21st Century Digital Tools and Techniques*”** on Feb. 20, 2019.
- 275) Acted as an Expert on 16th Feb. 2019 and conducted an Expert Session on ***“21st Century Computing Technologies for Smart Cities*”** at Kanya Mahavidyalaya Kharkhoda, Sonapat, Haryana.
- 276) Acted as Resource Person in UGC-Human Resource Development Centre, G.J. University of Science & Technology, Hisar and conducted expert session for participants of UGC Sponsored One Week Workshop on “MOOCs, e-Content Development and Open Education Resources” on the topic ***“21st Century Digital tools & Techniques*”** on Feb. 4, 2019.
- 277) Acted as Resource Person in UGC-Human Resource Development Centre, G.J. University of Science & Technology, Hisar and conducted expert session for participants of UGC Sponsored One Week Workshop on “MOOCs, e-Content Development and Open Education Resources” on the topic ***“MOOCs: Pedagogical Innovations in Teaching & Learning*”** on Feb. 4, 2019.
- 278) Acted as Resource Person in Faculty Development Centre, M. D. University, Rohtak, Haryana and conducted 02 Expert Sessions for participants of One Month Faculty Induction Programme on the topic ***“Content Development and Digital Resources*”** on January 11, 2019.
- 279) Acted as Resource Person in Faculty Development Centre, M. D. University, Rohtak, Haryana and conducted 02 Expert Sessions for participants of One Month Faculty Induction Programme on the topic ***“Online Resources & Networking*”** on January 12, 2019.
- 280) Acted as Resource Person in UGC-Human Resource Development Centre, B.P.S. Women University, Khanpur Kalan, Sonapat, Haryana and conducted expert session for participants of 31st Orientation Programme on the topic ***“Recent Trends in Computing*”** on December 4, 2018.
- 281) Acted as Resource Person in UGC-Human Resource Development Centre, B.P.S. Women University, Khanpur Kalan, Sonapat, Haryana and conducted expert session for participants of 31st Orientation Programme on the topic ***“Use of ICT in Teaching & Learning*”** on December 4, 2018.

- 282) Acted as Invited Speaker and for conducting Expert Session on ***“Future Innovations & Computing Technologies”*** on November 29, 2018 (Evening) for Faculty and Students of IBS Business School Gurgaon.
- 283) Acted as Resource Person in UGC-Human Resource Development Centre, B.P.S. Women University, Khanpur Kalan, Sonapat, Haryana and conducted expert session for participants of 30th Orientation Programme on the topic ***“Recent Innovations and Future Computing Technologies”*** on November 24, 2018.
- 284) Acted as Resource Person in UGC-Human Resource Development Centre, B.P.S. Women University, Khanpur Kalan, Sonapat, Haryana and conducted expert session for participants of 30th Orientation Programme on the topic ***“Cyber Crime & Cyber Security”*** on November 24, 2018.
- 285) Acted as Resource Person in UGC-Human Resource Development Centre, G.J. University of Science & Technology, Hisar and conducted expert session for participants of Refresher Course in Research Methodology on the topic ***“Future Innovations & Computing Technology for Research: Need of the Hour”*** on November 23, 2018.
- 286) Acted as Resource Person in UGC-Human Resource Development Centre, G.J. University of Science & Technology, Hisar and conducted expert session for participants of Refresher Course in Research Methodology on the topic ***“Technology Supported Pedagogical Innovations”*** on November 23, 2018.
- 287) Acted as Key Speaker in **LAKSHAY – Annual School Education & Career Summit 2018** organized by SB Global School, NCR Delhi, Sonapat on 15th November 2018.
- 288) Acted as Resource Person and conducted an Expert Session on ***“Smart Computing: Opportunities and Challenges”*** on September 26, 2018 during an ***Induction Training Programme*** organized by Govt. Polytechnic, Meham(Rohtak).
- 289) Acted as Resource Person in ICAR-IASRI sponsored Career Advancement Faculty Training (CAFT) programme and conducted expert session for faculty and scientists on the topic ***“Recent Trends in Data Analytics and Knowledge Management”*** on September 14, 2018.
- 290) Acted as Resource Person and conducted an Expert Session on ***“Latest Innovations in Computing Technologies”*** on September 1, 2018 during an ***Induction Training Programme*** organized B.P.S. Women University, Khanpur Kalan, Sonapat, Haryana.
- 291) Acted as Resource Person in UGC-Human Resource Development Centre, G.J. University of Science & Technology, Hisar and conducted expert session for participants of UGC sponsored Interdisciplinary Refresher Course on Information & Communication Technology on the topic ***“Recent Innovations in Computing”*** on June 30, 2018.
- 292) Acted as Resource Person in UGC-Human Resource Development Centre, G.J. University of Science & Technology, Hisar and conducted expert session for participants of UGC sponsored Interdisciplinary Refresher Course on Information & Communication Technology on the topic ***“Big Data Analytics and Machine Learning”*** on June 30, 2018.
- 293) Acted as Resource Person and conducted Expert Session on ***“Recent Innovations in Computing”*** for students and faculty of B.Tech.(CSE) and MCA programmes, Central University of Haryana, Mahendergarh on May 24, 2018.
- 294) Acted as Resource Person and conducted Expert Session on ***“Relevance of Big Data and Analytics”*** for students and faculty of B.Tech.(CSE) and MCA programmes, Central University of Haryana, Mahendergarh on May 24, 2018.
- 295) Acted as Resource Person in UGC-Human Resource Development Centre, B.P.S. Women University, Khanpur Kalan, Sonapat, Haryana and conducted expert session for participants of Refresher Course on ICT and Digitalization of Education in India: Trends, Challenges and

- Prospects on the topic ***“Recent Innovations in Computing”*** on May 22, 2018.
- 296) Acted as Resource Person in UGC-Human Resource Development Centre, B.P.S. Women University, Khanpur Kalan, Sonapat, Haryana and conducted expert session for participants of Refresher Course on ICT and Digitalization of Education in India: Trends, Challenges and Prospects on the topic ***“Big Data Analytics”*** on May 22, 2018.
 - 297) Acted as Resource Person and conducted Seminar on ***“Future Innovations and Computing Technologies”*** on Feb. 01, 2018(A.N.) at Mahavir Swami Institute of Technology (MSIT), NH-1, Jagdishpur, Delhi NCR.
 - 298) Acted as Resource Person and delivered an Expert Lecture on 12th January, 2018(Morning) on the topic ***“Future Innovations and Computing Technologies”*** in the Refresher Course on ***“Emerging Trends in Computer Science”*** conducted by Dept. of Computer Engg. and Dept. of IT & Applications, YMCA University of Science & Technology, Faridabad (Haryana) during January 8-13, 2018.
 - 299) Acted as Resource Person in UGC-Human Resource Development Centre, Kurukshetra University, Kurukshetra and conducted expert session for participants of UGC sponsored Interdisciplinary Refresher Course in Information Technology on the topic ***“Future Computing Technologies”*** on November 8, 2017.
 - 300) Acted as Resource Person in UGC-Human Resource Development Centre, Kurukshetra University, Kurukshetra and conducted expert session for participants of UGC sponsored Interdisciplinary Refresher Course in Information Technology on the topic ***“Cyber Crimes and Security Challenges”*** on November 8, 2017.
 - 301) Acted as Resource Person and conducted an Expert Session on ***“Future Innovative Computing Technologies”*** on July 28, 2017 during an ***Induction Training Programme*** organized by Govt. Polytechnic, Meham(Rohtak).
 - 302) Acted as Resource Person in ***“Orientation Programme on Career Awareness”*** on June 3, 2017 organized by Vaish Arya Kanya Mahavidyalaya, Bahadurgarh(Haryana).
 - 303) Acted as Resource Person and conducted an Expert Session on ***“ICT – Theoretical Perspective: Objectives and Features”*** on May 27, 2017 during Three Months Certificate Course in Panchayati Raj & Rural Development conducted by ***Deen Dayal Upadhyaya Centre of Excellence for Rural Development, M.D. University, Rohtak.***
 - 304) Acted as Resource Person and conducted an Expert Session on ***“Effective Use of ICT Tools”*** on May 27, 2017 during Three Months Certificate Course in Panchayati Raj & Rural Development conducted by ***Deen Dayal Upadhyaya Centre of Excellence for Rural Development, M.D. University, Rohtak.***
 - 305) Acted as Invited Speaker in the National Conference on ***“Advances in Mathematics & Computing (AMC-2017)”*** organized by YMCA University of Science & Technology, Faridabad on May 2, 2017 and made presentation on the theme ***“Advanced Computing Technology for India Tomorrow”***.
 - 306) Acted as Keynote Speaker and delivered keynote address in the International Conference on ***“A Journey towards Platinum Era – Vision Rainbow Power of India (ICPVRPI- 2017)”*** organized by IMT, Faridabad on 7th April 2017 held during April 7-8, 2017.
 - 307) Delivered Invited Talk and Valedictory Address in the TEQIP-II Sponsored International Conference on ***“Innovation & Trends to Support Make In India”*** organized by N.C. College of Engineering, Israna, Panipat on 26th March 2017.
 - 308) Delivered Keynote Speech on the theme in One Day ***National Seminar on Cyber Crime and Security*** organized by K.L. Mehta Dayanand College for Women, Faridabad on March

4, 2017.

- 309) Acted as a Judge in the subject of Computer Science at State Level Science Exhibition held at D.A.V. Centenary College, Faridabad on 4th March 2017.
- 310) Delivered Inaugural Address and Keynote Address on the theme “Latest Innovations & Technologies” in National Seminar on “**Mathematics and Computer-Computing and Communication (NCMCCC-2017)**” organized by Aggarwal College, Ballabgarh, NCR-Faridabad on 18th Feb. 2017.
- 311) Delivered Inaugural Address as Chief-Guest and Keynote Address in the International Conference on “**Innovative Developments in Science, Technology and Management**” organized by Ganga Technical Campus, Delhi-NCR on 29th January, 2017.
- 312) Acted as Resource Person and delivered an expert talk on “**Future Generation Computing Technologies : Opportunities and Challenges**” on 20.12.2016 in **FDP- SCTSEA (One Week Faculty Development Programme on Recent Trends of Soft- Computing Techniques in Software Engineering and Applications)** organized by Gautam Buddha University, Greater Noida.
- 313) Delivered Inaugural Address as Chief-Guest and Keynote Address on December 8, 2016 in the National Conference on “**Innovation & Technology Strategy in Cloud Computing and Information Security**” organized by Lingaya’s University, Delhi-NCR during December 8-9, 2016.
- 314) Conducted two sessions on “**E-Governance**” and “**Information Communication Technology (ICT)**” on 06.12.2016 in *Induction Training Programme for Cutting Edge Level Government Functionaries* organized by **Divisional Training Centre, HIPA, Rohtak.**
- 315) Resource Person in Academic Staff College, B.P.S. Mahila Vishwavidyalaya, Khanpur Kalan, Sonipat and conducted **two sessions** for participants of Refresher Course in ICT(ID) on the theme “**Future Computing Technologies**” on December 1, 2016.
- 316) Acted as Resource Person and delivered Expert Talk on “**Future Computing Technologies**” in Department of Computer Science, Central University of Haryana, Mahendergarh on November 22, 2016.
- 317) Acted as Resource Person and delivered Expert Talk on “**Emerging Trends in E-commerce**” in Department of Commerce, Central University of Haryana, Mahendergarh on November 22, 2016.
- 318) Acted as a Resource Person in **Elsevier Author Workshop** on November 18, 2016 conducted by Vivekananda Library M. D. University Rohtak.
- 319) Acted as Resource Person and delivered Expert Talk on “**Future Computing Technologies: Opportunities and Challenges**” in National Workshop on “**E- Governance in India: Issues and Challenges**” organized by Dept. of Public Administration, M.D. University, Rohtak on October 5, 2016.
- 320) Conducted a Workshop on the theme “**Recent Innovations and Future Computing Technologies**” at Saraswati Mahila Mahavidyalaya, Palwal on 28th September 2016 and addressed the students.
- 321) Delivered Keynote Address in the International Conference on “**Recent Innovations in Science, Management, Education and Technology (ICRISMET-16)**” organized by JCD Memorial College, Sirsa, Haryana on 27th August 2016.
- 322) Conducted a Workshop on the theme “**Next Generation Computing Technologies: Opportunities & Challenges**” at Hindu Girls College, Sonapat on 1st June 2016 and addressed the students.
- 323) Acted as Guest of Honor and delivered Keynote Address during HSCST (Haryana State

- Council for Science & Technology, DST, Haryana) sponsored ***“National Technology Day – NTD-2016”*** on 10th May 2016 at BPS Mahila Vishwavidyalya, Khanpur Kalan, Sonapat
- 324) Acted as Guest of Honor and delivered Valedictory Address on the theme of the National Conference on ***“Emerging Trends in Computer Science and Electronics Engineering – ETCSEE-2016”*** organized at RPS Group of Institutions, Mahendergarh on 10th April, 2016.
 - 325) Conducted two sessions on ***“E-Governance”*** and ***“Information Communication Technology (ICT)”*** on 07.04.2016 in a *Training Programme on Information Technology for Effective Office Management* **organized by Divisional Training Centre, HIPA, Rohtak.**
 - 326) Acted as Guest of Honor and delivered Keynote Address on the theme of the ***“National Conference on Cyber Security Issues and Challenges”*** held at Tecnia Institute of Advanced Studies, New Delhi on 26th Feb, 2016.
 - 327) Conducted two sessions on ***“E-Governance”*** and ***“Information Communication Technology (ICT)”*** on 17.02.2016 in *Induction Training Programme for Cutting Edge Level Government Functionaries* **organized by Divisional Training Centre, HIPA, Rohtak.**
 - 328) Conducted two sessions on ***“An Overview of E-Governance”*** and ***“Internet & Cyber Security”*** on 12.01.2016 in Training Programme on *“MS-Office, Internet, e-Salary & On- Line Budgeting System”* **organized by Divisional Training Centre, HIPA, Rohtak.**
 - 329) Conducted two sessions on ***“Internet and Communication Technology (ICT)”*** and ***“An Overview of E-Governance”*** on 10.12.2015 in **Training Programme on Office Automation Tools: “MS-Office, Internet, e-Salary & On-Line Budgeting System”** **organized by Divisional Training Centre, HIPA, Rohtak.**
 - 330) Acted as Chief Guest and delivered Keynote Address on the theme of the International Conference on *“Emerging Trends in Technology, Science & Upcoming Research”* held at DAV Institute of Management, Faridabad (Haryana) on April 25, 2015.
 - 331) Resource Person in Academic Staff College, Kurukshetra and conducted two sessions on June 29, 2015 for participants of Refresher Course in Computer Science on the themes
 - a. ***Internet of Things (IoT)***
 - b. ***Future Trends in Computing Technologies***
 - 332) Chaired a Session in Seminar on *“Yoga and Holistic Life”* at MDU Campus during 1st International Yoga Day Celebrations organized by M.D. University, Rohtak on 21st June, 2015.
 - 333) Delivered Keynote Address on Inaugural Day of Yoga Training/7-Days Health Awareness Camp (18.6.2015-24.6.2015) held at Youth Red Cross, M.D. University, Rohtak.
 - 334) Acted as Organizing Secretary of Inter-Zonal Youth Festival and Folk Festival of M.D. University, Rohtak for session 2014-15 and conducted the Inaugural of the event where Governor, Haryana and Chancellor His Excellency Prof Kaptan Singh Solanki was the Chief Guest.
 - 335) Acted as a Keynote Speaker in the Inaugural of the Conference and also Chaired a session on *‘Advancements in Information Technology’* in National Conference on *“Innovations in Computing and Information Technology” – COGNITION-2015* organised by Amity University, Gurgaon, Haryana on 25th – 26th February, 2015.
 - 336) Delivered Keynote Address on the theme of the National Conference on *“Emerging Trends in Computer Science & Information Technology” – NCETCSIT-2015* organised by Rawal Institutions, Faridabad, Haryana on January 10, 2015.
 - 337) Acted as Resource Person on *“Cyber Crimes and Cyber Security”* in Workshop on *“Sexual Harassment and Violence against Women: Prevention, Prohibition and Redressal”*

organised by M.D. University, Rohtak on 17.03.2015.

- 338) Delivered Keynote Address on the theme of the Conference during inaugural of IEEE sponsored 4th National Conference on “*Emerging Trends in Engineering & Technology*” – *ETET-2015* organised by SBIT, Sonapat, Haryana on February 6-7, 2015.
- 339) Acted as Chief Guest and delivered Keynote Address on the theme of the National Conference on “*Innovative Trends in Computer Science Engineering*” – *ITCSE-2015* organised by BRCM College of Engg. & Technology, Bahal (Hr) on April 4, 2015.
- 340) Acted as Chief-Guest and delivered Keynote Address on the theme of the National Conference on “*Innovative Development in Science, Technology & Management*” organised by Ganga Technical Campus, Bahadurgarh, Haryana on 1st March 2015.
- 341) Acted as Chief-Guest & Keynote Speaker and delivered Keynote Address on the theme of the National Conference on “*Advancement in Biometrics Trends & Its Applications*” organised by Dronacharya College of Engineering, Gurgaon on October 16, 2015.
- 342) Acted as Chief-Guest and delivered Keynote Address on the theme of the National Workshop on “*Intelligent System for Engineering and Management*” organised by Somany(P.G.) Institute of Technology and Management, Rewari, Haryana on 28th March 2015.
- 343) Delivered Keynote Address on the theme of the National Workshop on “*Emerging Trends in Computing & Challenges for Future*” organised by BLS Institute of Technology Management, Bahadurgarh (Hr.) on 22nd April 2015.
- 344) Conducted two sessions on 12.09.2014 on “***Slide Creation using Microsoft PowerPoint***” and “***Animation, Designing using Microsoft Power Point***” in Training Programme on “Office Automation tools:- Computer Training on MS-Office, Internet, e- Salary & On-Line Budgeting System” **organized by Divisional Training Centre, HIPA, Rohtak.**
- 345) Acted as an Expert on a session on “*Methods and Techniques for Effective Teaching in Technical Courses*” in Workshop on “*Quality Workshop for Engineering Faculty*” organised by IQAC, Manav Rachna International University, Faridabad (Haryana) on 27th September, 2014.
- 346) Acted as Chief Guest and delivered Keynote Address in National Conference on “*Recent Innovations in Engineering, Management and Science*” organised by Ganga Institute of Technology and Management, Kablana (Haryana) on 23rd August, 2014.
- 347) Conducted two sessions on 18.06.2014 on “***Slide Creation using Microsoft PowerPoint***” and “***Animation, Designing using Microsoft Power Point***” in Training Programme on “Office Automation tools:- Computer Training on MS-Office, Internet, e- Salary & On-Line Budgeting System” **organized by Divisional Training Centre, HIPA, Rohtak.**
- 348) **Conducted two sessions on 22.05.2014 on “*Features of Microsoft Excel*” and “*Data Base Creation Using Microsoft Access*” in Training Programme on “Employability Skills for Unemployed Youths” **organized by Divisional Training Centre, HIPA, Rohtak on 22.05.2014.****
- 349) Resource Person in Academic Staff College, G.J. University of Science & Technology, Hisar and conducted one session for participants of Refresher Course in Computer Science on the theme “***Challenges of Internet of Things (IoT)***” on May 20, 2014.
- 350) Resource Person in Academic Staff College, G.J. University of Science & Technology, Hisar and conducted one session for participants of Refresher Course in Computer Science on the theme “***Opportunities and Challenges of Future Computing Technologies***” on May 20, 2014.
- 351) **Extension Lecture** delivered on “***Employment Opportunities in IT Sector***”, Govt. College, Bhiwani on 5.3.2014

- 352) **Delivered Expert/Extension Lecture during a 7-days Workshop on “*Personality Development*”** organized by Career Counseling and Placement Cell of MDU at Institute of Hotel and Tourism Management (IHTM), M.D. University, Rohtakon February 20, 2014.
- 353) Resource Person in Academic Staff College, Kurukshetra and conducted two sessions for participants of Refresher Course in Computer Science on the theme “***Future Computing Technologies – I & II***” on July 3, 2013.
- 354) **Conducted multiples sessions (on Computer Networks, Internet, Basics of Computer, MS-Office)for School Principals, Haryana Govt Officials, Administrators and students organized by Divisional Training Centre, HIPA, Rohtak (18th December 2013 and 22nd January 2014).**
- 355) **Delivered Expert/Extension Lecture on the theme “21st Century Computing Technologies” to students of G.D.C. Memorial College, Bahal on October 26, 2013.**
- 356) Resource Person in Academic Staff College, G.J. University of Science & Technology, Hisar and conducted **two sessions** for participants of Refresher Course in Computer Science on the theme “***Next Generation Computing: Opportunities and Challenges***” on June 12, 2013.
- 357) Resource Person in Academic Staff College, B.P.S. Mahila Vishwavidyalaya, Khanpur Kalan, Sonipat and conducted **session** for participants of Refresher Course in IT on the theme “***Future Computing Technologies***” on June 7, 2013.
- 358) **Addressed audience in Intl. Conference on “Innovations in Management & Information Technology” (ICIMIT-2012) organized by IMT, Faridabad on 7th April, 2012.**
- 359) **Addressed audience in IEEE sponsored 1st National Conference on “Emerging Trends in Engineering and Technology” (NCETET-12) organised by SBIT, Sonapat on Feb. 3, 2012as well as chaired the Technical Session.**
- 360) **Delivered an expert talk on “Emerging Trends in Computing Technologies” in National Conference on “Emerging Trends In Computer and Information Technology” (NCETCIT-2012) organised by GVMITM, Sonapat during MAY 11-12, 2012.**
- 361) **Delivered Keynote Address on “Future Generation Computing Technologies” in 2nd National Conference on *Emerging Trends In Electronics & Information Technology* organised by AITM, Palwal during April 14-15, 2012.**
- 362) **Delivered Keynote Address on “Next Generation Computing Technologies: Opportunities & Challenges” in National Conference on “Internet Computing and Communication (IC2)” organised by TIAS, New Delhi on April 21, 2012.**
- 363) **Delivered an Expert Lecture “Challenges for Future Engineers” on Engineers’ Day (Sept 15, 2011) organized by SBIT Group of Institutions, Sonapat.**
- 364) **Delivered an Expert Lecture “Networked Society of 21st Century: Opportunities & Challenges” on October 20, 2012 organized by Department of Mathematics, M.D. University, Rohtak**
- 365) **Delivered an Expert Lecture as one of Key Speakers on “IT and Tourism: New Opportunities for Linking Cultures” during National Seminar on “Tourism – Linking Cultures” organized by Institute of Hotel & Tourism Management, M. D. University, Rohtak on Sept. 27, 2011**
- 366) **Delivered Keynote Address on “Future Generation Computing Technologies: Opportunities & Challenges” during National Conference on Emerging Trends in Computing Technologies (NCETCT-11) organized by World College of Technology & Management (WCTM), Gurgaon on Sept. 17, 2011.**
- 367) **Delivered an Expert Lecture “Challenges for Future Engineers” on Engineers’ Day (Sept 15, 2011) organized by SBIT Group of Institutions, Sonapat.**

- 368) **Delivered Keynote Address on “Component-based Software Testing: Issues and Challenges”** on Sept. 3, 2011 in **National Workshop on “Software Reliability and Testing”** Gautam Buddha University, Greater Noida (UP), Sept 2-3, 2011.
- 369) **Delivered as Presidential Address in Workshop on “Application of SPSS Software in Research”**, Organized by IHTM, Maharshi Dayanand University, Rohtak, April 19-20, 2011.
- 370) Acted as **Chairperson of Technical Session of International Conference on “Business Intelligence-An Alignment of IT & Management”**, IMT, Faridabad, April 9, 2011.
- 371) **Key Note Speaker in National Seminar organized by GITM, Gurgaon on New Generation Computing 2010 (NGC-2010) and made presentation on Convergence of Technologies: Opportunities & Challenges.**
- 372) Delivered Invited Talk on “Component-Based Testing” in Workshop on **“Recent Trends in Software Testing” organized by Delhi Technological University, Delhi** on 17th September, 2010.
- 373) Delivered lectures as **Resource Person** in ‘Staff Development Programme (FDP) organized by Department of Computer Sciences at Baba Gulam Shah Badshah University, Rajouri during June 22-24, 2010.
- 374) **Resource Person in Orientation Course conducted by Academic Staff College, BPS Mahila University, Khanpur on May 4, 2010 and delivered expert lectures on Convergence of Technologies: Opportunities & Challenges for Future Generations.**
- 375) **Keynote Speaker in National Seminar on Enterprise Information Systems, organized by Apeejay Institute of Management, Jalandhar and made a presentation on Enterprise Information Systems in 21st Century: Opportunities and Challenges.**
- 376) **Extension Lecture** delivered on **“Cyberspace in 21st Century”**, Gaur College, Rohtak.
- 377) **Extension Lecture** delivered on **“IT in 21st Century: Opportunities and Challenges”**, MRDAV, Asthal Bohar (Rohtak) M.D. University, Rohtak.
- 378) **Extension Lecture** delivered on **“Role of ICT in Teaching & Learning”**, C.R. College of Education, Rohtak on 12.02.2009.
- 379) **Extension Lecture** delivered on **“IT: Opportunities & Challenges”**, Vaish College, Bhiwani.
- 380) **Extension Lecture** delivered on **“Cyberspace and Essence of Cyber Laws in 21st Century”**, Institute of Management & Technology, Faridabad.
- 381) **Resource Person in Refresher Course in Psychology at Govt. College for Women, Rohtak and delivered Lecture on Cyberspace in 21st Century** on May 12, 2008.
- 382) **Resource Person in Refresher Course in Computer Science at P.G. Govt. College, Jind and delivered following Two Lectures on May 13, 2008.**
 - c. **ERP in 21st Century**
 - d. **Data mining and Data warehousing**
- 383) **Resource Person in Refresher Course in Physics at Govt. College for Women, Rohtak and delivered following Two Lectures on May 12 & 16, 2008**
 - i) **Cyberspace in 21st Century: Opportunities & Challenges**
 - ii) **Introduction to Computing and World of Internet.**
- 384) **Resource Person in Refresher Course in Chemistry at N.R.S. Govt. College, Rohtak in May-June 2008.**

- 385) **Extension Lecture** delivered on ***“Information Technology in 21st Century: Opportunities and Challenges”***, Department of Mathematics, M. D. University, Rohtak on 13.2.2008
- 386) **Extension Lecture** delivered on ***“Information Technology in 21st Century: Opportunities and Challenges”***, MRDAV, Asthal Bohar (Rohtak) M.D. University, Rohtak on 5.3.2008
- 387) Conducted one session as a Key Speaker on 8th April 2005 at A.I.J.H.M. College, Rohtak and delivered a full presentation on ***“ICT Evolution and E-Governance”***.
- 388) Conducted following sessions as a Resource Person in UGC Sponsored Refresher Course in Library and Information Science (29.11.2004 – 18.12.2004) organized by M.D. University Library, Rohtak:
 - i. ***Computer Awareness Capsule*** delivered on December 3, 2004.
 - ii. ***Impact of Hi-Tech in Libraries*** delivered on December 6, 2004.
 - iii. ***Role of Information Technology in Libraries*** on December 6, 2004.
- 389) Conducted two sessions as a Resource Person in UGC Sponsored Refresher Course organised by Department of Physics, M.D. University, Rohtak on 17th and 18th August 2004 and delivered presentations on ***“Role of IT in Teaching & Learning”*** and ***“A Tour of Information Technology”*** respectively.

v) **Talks Broadcasted from All India Radio/TV Studios**

A) **TV Studio Discussions**

- a. TV Discussion on ***“Internet of Things”*** in ***Vigyan Jagat*** program on 22.08.2025 by **Doordarshan (DD) Haryana, Chandigarh (Prasar Bharti, Ministry of Information & Broadcasting, Govt. of India)** – and is being re-broadcasted time and again.
- b. **TV/Social Media Episode: Interview of Dr. Nasib Singh Gill by Prof. Jha on Life-X-Press**, Episode - 35 on Education, August 2025.
- c. TV Discussion on ***“Higher Education in India @MDU – along with Vice-Chancellor, M.D. University, Rohtak on Himalayan TV, Kathmandu, Nepal in Feb. 2024.***
- d. TV Group Discussion show on ***“Social Networking – Session 1”*** organised by SVN Cable TV on 10.03.2012 in their TV Studio and is being re-broadcasted time and again in the programme ***“Issue To-night”***.
- e. TV Group Discussion show on ***“Social Networking – Session 1”*** organised by SVN Cable TV on 10.03.2012 in their TV Studio and is being re-broadcasted time and again in the programme ***“Issue To-night”***.
- f. TV Group Discussion show on ***“Social Networking – Session 2”*** organised by SVN Cable TV on 11.03.2012 in their TV Studio and is being re-broadcasted time and again ***“Issue To-night”***.

B) **All India Radio Talk**

- i) Group Discussion on ***“Human Decisions on Scientific Techniques/Machines in Sports”*** in World of Sports (Khel Jagat) on Nov. 30, Dec. 1-2, 2015.
- ii) Group Discussion on ***“Employment and Career Opportunities for Youth in Computers”*** in Yuv Vani in April 18, 2012. Talk: ***‘Computer Education and Employment Opportunities’***
- iii) Talk: ***‘e-books and Its Implications’*** (DOB: 8.12.2008)
- iv) Talk: ***‘Hanging and Crashing Problems in Computer’*** (DOB: 4.5.2009)

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(Dr. Nasib Singh Gill)