BIO-DATA

DR. NASIB SINGH GILL
Professor & Head,
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**	:	– *Head, Department of Computer Science & Applications,*
			– *Director, Centre for Distance and Online Education*
			– *Director, Digital Learning Centre,*
			– *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, Directorate of Distance Education* *-Director, University Computer Centre* *-Director, MDU Alumni* *-Director, Public Relations* *-University Nodal Officer, AISHE, MHRD, Govt. of India*
5.	**Home Address & Address for Correspondence**	:	H.No.-1104, Sector-1, HUDA, Rohtak Ph. +91-1262-358535, Mobile: 9050805136 E-mail:**nasibsgill@gmail.com,** **nasib.gill@mdurohtak.ac.in**
6.	**Academic Qualifications**	:	• **Post Doctoral Research (Computer Sc.) from Brunel University, United Kingdom** • **Ph.D.(Computer Sc.)** • **MBA**
7.	**Teaching Experience**	:	**34+ years**
8.	**Research Experience**	:	**28+ 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: 380
		    1. *Published in International/National Journals: 221*
		    2. *Published as Chapters in Edited Books: 29*
		    3. *Published in Intnl. Conf. Proc./Magazines, etc: 36*
		    4. *Published in National Conf. Proceedings, etc: 94*

11. Patents Filed/Published/ Awarded	:	**02 (Granted), 06 (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: 13, Guiding : 06**
14. Conferences Attended/Key Speaker/ Resource Person	:	**Conferences (International/National/Workshops): 120+** **Key Speaker/Resource Person in FDPs/RCs/OCs, etc: 175+**
15. MCA/M.Sc. Projects & M.Tech. Thesis guided	:	**MCA/M.Sc. Projects: about 375+; M.Tech Thesis: 18**

16. <u>Honours & Awards</u>

- *Recipient of Commonwealth Fellowship Award*
  - 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.)

- *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)*

- **Best Paper/Article Award by Computer Society of India**
  - In 1994, CSI awarded for contributing best paper titled *"A New Program Complexity Measure"* published in November 1994 issue of 'CSI Communications'.

- **Best Paper Award in 1st International Conference on Innovations in Data Analytics**
  - For the paper *"A Deep Learning Based Framework for Analysing Stress factors among Working Women"* by C. Gupta, Sangeeta Rao, Nasib Singh Gill and Preeti Gulia in 1st International Conference on Innovations in Data Analytics, November 2022 (ICIDA-2022), Springer (Scopus indexed)

- **Best Paper Presentation Award in the International Conf. – ICISDM-2023, USA**
  - o 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.
- *Appreciation Letter* by Vice-Chancellor, M.D. University, Rohtak in recognition of outstanding contribution as *Convener, IT Support & Event Management,* **National Youth Festival-2017.**
- *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.*

17. Administrative Experience

1) *Worked as Head, Department of Computer Science & Applications, M.D. University, Rohtak from March 15, 2006 to March 15, 2012*

2) *Worked as Director, Directorate of Distance Education, M.D. University, Rohtak from Nov. 7, 2005 to May 21, 2007, and 2013 to Oct. 2015.*

3) *Worked as Director, Public Relations, M.D. University, Rohtak from May 21, 2007 to 2008.*

4) *Worked as Director, University Computer Centre, M.D. University, Rohtak from 2008 to 2012.*

5) *Worked as Director, MDU Alumni, M.D. University, Rohtak from March 2011 to March 2016.*

6) *Worked as University Nodal Officer, All India Survey on Higher Education, MHRD, Govt. of India during 2011 to 2014.*

7) *Worked as Convener, Control Room and Convener, IT Support, 21st National Youth Festival-2017 organised at M.D. University, Rohtak during January 12- 16, 2017.*

18. 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.

19. Ph.D. Thesis Guided & Awarded– Thirteen (13)

S.No.	Name of Scholar	Month & Year	Title of Thesis
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 Asstt. 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 Asstt. 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 Associate 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 Asstt. 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 Asstt. Professor, Dept. of Comp. Sc. & Appls., M.D. University, Rohtak)	**October 2010** 2010/122	Study and Design of Component-Based Measures

20. 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	Published	23/06/2023	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	Published	17/03/2023	Application No: 202311014362 A Published on: 17/03/2023 Patent Office Journal No: 11/2023
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

21. 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

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

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(Dr. Nasib Singh Gill)

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

S.No	Author(s)	Title of the Chapter	Name of Edited Book and Its Category	Year
1	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
2	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
3	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
4	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

5	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
6	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
7	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
8	Nasib Singh Gill	Enterprise Information Systems in 21st Century: Opportunities and Challenges	Invited Chapter in Book: Enterprise Information Systems in 21st Century: Opportunities and Challenges, Editors - Balram Dogra, et.al pp. 3-14, 2009 **ISBN No.** - 978-81-8450-183-4	2009
9	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 *"Quality Management in Libraries"* by K.C. Dabas, Ess Ess Publications, New Delhi, 2008, pp. 3-8.	2008
10	Gill N.S. and Dabas K.C.	Managing Quality in University Library for Sustainable Library Management	Chapter 4 of the book *"Quality Management in Libraries"* by K.C. Dabas, Ess Ess Publications, New Delhi, 2008, pp. 47-52.	2008
11	Gill N.S. and Dabas K.C.	TQM and Reengineering for Library Services: MDUL Style	Chapter 5 of the book *"Quality Management in Libraries"* by K.C. Dabas, Ess Ess Publications, New Delhi, 2008, pp. 64-78.	2008
12	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 *"Quality Management in Libraries"* by K.C. Dabas, Ess Ess Publications, New Delhi, 2008, pp. 212-225.	2008
13	Gill N.S. and Dabas K.C.	Changed Roles and Responsibilities of Information Professionals	Chapter 16 of the book *"Quality Management in Libraries"* by K.C. Dabas, Ess Ess Publications, New Delhi, 2008, pp. 242-249.	2008
14	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	Chapter 5 ofthe book "IT Applications for TQM and Library Marketing" by K.C. Dabas, Ess Ess Publications, New Delhi, 2008, pp. 67-83.	Dec 2008

		University Libraries		
16	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
17	Gill N.S. and Dabas K.C.	Internet for Libraries: Need of the Hour	Chapter 7 ofthe book "IT Applications for TQM and Library Marketing" by K.C. Dabas, Ess Ess Publications, New Delhi, 2008, pp. 92-108.	Dec 2008
18	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
19	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
20	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
21	Gill N.S. and Dabas K.C.	Appropriate Technology for Qualitative and Sustainable Librarianship	Chapter 11 of the book "IT Applications for TQM and LibraryMarketing" by K.C. Dabas, Ess Ess Publications, New Delhi, 2008, pp. 151-165.	Dec 2008
22	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
23	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
24	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
25	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.	2006
26	Gill N.S.	Emerging Trends of Digital Libraries	Chapter-5 in *book "Advances in Library and Information Science"* Volume 5 (Digital Library), Scientific Publishers	2005

			(India), 2005, pp. 55-71.	
27	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): *Readings in Library and Information Science:* Festchrift S.P. Sood. Jaipur, 2000, pp. 99-104	2000
28	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.	
29	Gill N.S., Grover P.S., Singh R.	Measuring Software Systems	*'Operations Research: Theory and Practice'*, SPANIEL Publishers, New Delhi, 1994, pp. 71-93.	1994

III)   RESEARCH PAPERS/ARTICLES PUBLISHED

A)   *International/National Journals*

1. 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: 7.2)**.

2. 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]**

3. 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]**

4. 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]**

5. 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]**

6. 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]**

7. 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]**

8.   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**]

9.   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**

10. 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.**

11. 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

12. Sangeeta Yadav, Preeti Gulia, Nasib Singh *et al*. (Oct, 2023), **"Video Object Detection From Compressed Formats for Modern Lightweight Consumer Electronics"**, I*EEE Transactions on Consumer Electronics*, ISSN- 1558-4127. DOI: 10.1109/TCE.2023.3325480. **(SCIE, SCOPUS, UGC-CARE LIST), IF: 4.4**

13. 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]**

14. 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]**

15. 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]**

16. 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]**

17. 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]**

18. 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]**

19. 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**]

20. 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]**

21. 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]**

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M.D. University, Rohtak.

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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

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g. *"Sale Strategy of Substitutable Products under Consumer Choice"* paper reviewed for International Conference ICMO-2014, Sept. 6-8, 2014, Chengdu, China.

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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*

1) 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.

2) Acted as Invited Speaker in **2nd International Conference of Indian Science Congress Association (Rohtak Chapter) on "Science & Technology for Sustainable Future" – ICSTSF-2024** 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.

3) 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.

4) 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.

5) 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.

6) 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.

7) 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.

8) 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.

9) 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"**.

10) 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.

11) Acted as Chief-Guest and Keynote Speaker in Valedictory Function of 21-Days Induction Program organized by Deptt. of CSE & IT, BPS Mahila Vishwavidyalya, Khanpur Kalan, Sonepat and delivered Keynote Address on *"Innovations, Research and Disruptive Technologies of 21st Century"* on 29th September 2023.

12) 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"*.

13) 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.

14) 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"*.

15) 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.

16) 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.

17) 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.

18) 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"*.

19) 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"*.

20) 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"**.

21) 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.

22) 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.

23) 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 Educattion"** on 23rd Feb. 2022.

24) 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"**.

25) 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.

26) 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.

27) 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.

28) 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.

29) 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.

30) 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.

31) 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.

32) 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.

33) 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.

34) 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.

35) 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.

36) 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.

37) 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.

38) 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.

39) 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.

40) 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.

41) Attended Webinar on *"Online Teaching, Evaluation and Admin Options UnderLockdown 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.

42) 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.

43) 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.

44) 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.

45) 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.

46) 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.

47) 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 inComputing Technology: Prospects and Challenges"*.

48) 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.

49) 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.

50) 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), Sonepat,Haryana on April 13, 2018.

51) 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 & BMCEM, NH-1, Jagdishpur, Delhi NCR on April 12, 2018.

52) 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.

53) 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.

54) 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.

55) 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.

56) 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.

57) 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 & BMCEM, NH-1, Jagdishpur, Delhi NCR on March 23, 2018.

58) Acted as Chief-Guest in Valedictory Session in National Conference on *"Latest Innovations in Data Science & Cyber Security"* organized by MSIT & BMCEM, NH-1, Jagdishpur, Delhi NCR on March 23, 2018.

59) 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"*.

60) 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.

61) 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.

62) 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.

63) 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.

64) 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.

65) 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.

66) 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.

67) 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.

68) 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.

69) 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.

70) 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.

71) 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.

72) 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.

73) 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.

74) 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.

75) Acted as Keynote Speaker in the 6th IEEE National Conference on *"Emerging Trends in Engineering & Technology (ETET-2017)"* organized by SBIT, Sonepat, Delhi-NCR on 10th Feb. 2017 and delivered expert talk on *"Innovative Future Computing Technologies: Opportunities and Challenges"*.

76) 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.

77) 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.

78) 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.

79) Acted as a Resource Person in *Elsevier Author workshop* on November 18, 2016 conducted by Vivekananda Library M. D. University Rohtak.

80) 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"*

81) 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.

82) 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.

83) 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"* organizedat RPS Group of Institutions, Mahendergarh on 10th April, 2016.

84) 3rd IEEE International Conference on "*Computing For Sustainable Global Development"*
– 10th INDIACom-2016organized by BVICAM, New Delhi during 16th – 18th March, 2016 and Chaired a Technical Session on 18th March 2016.

85) 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 26thFeb, 2016.

86) "50th Golden Jubilee Annual Convention (CSI-2015)" on the theme "Digital Life" during December 2-5, 2015 atBVICAM, New Delhi Chaired a Technical Session on 3rdDecember 2015.

87) International Conference on *Software Engineering Research and Practice* (SERP'14) atLas 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.

88) 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.

89) 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.

90) 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 theConference.

91) 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.

92) 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.

93) Inter-Zonal Youth Festival and Folk Festival of M.D. University, Rohtak for session 2014-15 and acted as Organizing Secretary of this event.

94) 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 Addresson the theme of the Conference in the proceedings of the Conference *(Could not attendthe Conference)*.

95) 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'.*

96) 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.

97) 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".*

98) 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.

99) 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.

100) National Conference on *"Innovative Development in Science, Technology & Management"* organised by Ganga Technical Campus, Bahadurgarh, Haryana on 1stMarch 2015 and as a Chief-Guest & Keynote Speaker delivered Keynote Address on the theme of the Conference.

101) 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 theConference.

102) 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.

103) 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.

104) 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".*

105) 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.

106) 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.

107) 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.

108) 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.

109) 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.

110) 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.

111) 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.

112) 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.

113) 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.

114) 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".*

115) National Conference on *"Global Competitiveness: Paradigm Shift in Management, Engineering & science",* organised by Savera Group of Institutions, Gurgaon, Haryana on April 27, 2013and delivered a Invited Talk on the theme of Conference.

116) IEEE sponsored 2nd National Conference on *"Emerging Trends in Engineering & Technology" (ETET-2013),* organised by SBIT Group of Institutions, Sonepat, Haryana during Feb. 8-9, 2013 and delivered a Keynote Address.

117) 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".*

118) 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.

119) International Conference ICHDMS-2012 organised by Department of Mathematics, M.D. University, Rohtak during November 21-24, 2014 and delivered an Invited Talk onthe theme *"Next Generation Computing Technologies: Opportunities and Challenges"* in the Technical Session on Nov. 22, 2012.

120) International Conference on *"Innovations in Management & Information Technology"* *(*ICIMIT-2012) organized by IMT, Faridabad on 7th April, 2012 andaddressed the audience in the inaugural session as well as chaired the Technical Session.

121) IEEE sponsored 1st National Conference on "Emerging Trends in Engineering and Technology" (NCETET-12) organised by SBIT, Sonepat 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.

122) National Conference on "Emerging Trends In Computer and Information Technology" (NCETCIT-2012) organised by GVMITM, Sonepat during MAY 11-12, 2012 and delivered an expert talk on *"Emerging Trends in Computing Technologies"*

123) 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"*

124) 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"*

125) International Conference on *"Business Intelligence-An Alignment of IT & Management"* at IMT, Faridabad, April 9, 2011 and delivered a talk on the theme of theConference.

126) 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.

127) 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"*.

128) Organised National Conference on *"Emerging Trends in Mobile Technologies & Security (ETMTS-11)"* 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)

129) National Conclave on *"Language and IT Industry – Jell Well",* DAV Centenary College, Faridabad on Feb. 25, 2011 and delivered Keynote Address.

130) 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".*

131) National Conference on "Emerging Trends in Hospitality & Tourism*",* Organized by IHTM, Maharshi Dayanand University, Rohtak, April 09-10, 2011.

132) 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".

133) National Seminar on *"Global Meltdown"* at IMT, Faridabad, April 10-11, 2009 and presented Invited Paper "*Global Meltdown: Challenges & Opportunities".*

134) National Seminar on "*e-Governance: Opportunities & Challenges"* at GVM Institute of Technology & Management, Sonepat on May 23, 2009 and presented Keynote Address on *"e-Governance: Opportunities, Risks and Challenges".*

135) National Seminar on "*Trends in Wireless and Mobile Communication* (TWMC-09)", at SBIT, Sonepat on 27.02.2009 and made a presentation as Keynote Speaker on *"MDU Campus Wide Integrated Network for Internet & Telephony".*

136) 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".*

137) Invited Speaker in National Seminar on *Regional Development,* M.K.J.K. Mahavidyalya, Rohtak on September 19, 2007 and made a presentation on *e-Governance for Regional Development: Opportunity & Challenges.*

138) 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.*

139) ICDE International Conference held at IGNOU, New Delhi in Nov. 2006.

140) International Conference on *Information Management in A Knowledge Society (ICIM2005) organized by IASLIC at Bombay during* Feb. 21-25, 2005 and presented paper "*Data Mining: A Key To Knowledge Society".*

141) 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".*

142) 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

1) 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.

2) 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.

3) 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.

4) 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.

5) 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.

6) 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.

7) 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.

8) 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.

9) 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.

10) 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.

11) 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.

12) 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**.

13) 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**.

14) 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.

15) 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.

16) Acted as Resource Person and delivered Expert Lecture in O**ne 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.

17) 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.

18) 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.

19) 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.

20) 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.

21) Acted as Resource Person and delivered Expert Lecture in O**ne 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.

22) Acted as Resource Person and delivered Expert Lecture on the topic **"Role of MOOCs and LMS in 21st Century Teaching and Learning"** in O**ne Week Online FDP on "Cardinal Role of Quality Education in Developing Self-Reliant India"** organized by Aggarwal College Ballabgarh on 9th July 2021.

23) 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.

24) 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.

25) Acted as Resource Person in **National Webinar on "Recent Trends in IT and Management"** organized by Saraswati Mahila Mahavidyalaya, Palwal on April 5, 2021.

26) Acted as Resource Person and delivered Expert Lecture in O**ne 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.

27) 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.

28) 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.

29) 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.

30) Keynote Address on July 20, 2020 in One WeekOnline 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.

31) 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.

32) 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.

33) 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.

34) 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 (PMMMNMTT), 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.

35) 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.

36) 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.

37) 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.

38) 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.

39) 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, Sonepat, Haryana and conducted expert session for participants on the topic *"Innovations & 21st Century Technologies: Digital Perspective"* on November 26, 2020.

40) 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, Sonepat, Haryana and conducted expert session for participants on the topic *"Future Generation Learners & Working with Google Classroom"* on November 26, 2020.

41) 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, Sonepat, Haryana.

42) 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).

43) 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).

44) 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.

45) 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.

46) 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.

47) 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.

48) 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.

49) 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.

50) 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.

51) 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.

52) 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.

53) Acted as Resource Person in UGC-Human Resource Development Centre, B.P.S. Women University, Khanpur Kalan, Sonepat, 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.

54) Acted as Resource Person in UGC-Human Resource Development Centre, B.P.S. Women University, Khanpur Kalan, Sonepat, Haryana and conducted expert session for participants of 34th Orientation Programme on the topic *"Future Trends for Next Generation Learners"* on July 3, 2019.

55) 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.

56) 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.

57) 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.

58) 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.

59) Acted as Resource Person in UGC-Human Resource Development Centre, B.P.S. Women University, Khanpur Kalan, Sonepat, 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.

60) Acted as Resource Person in UGC-Human Resource Development Centre, B.P.S. Women University, Khanpur Kalan, Sonepat, 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.

61) 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.

62) 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.

63) 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.

64) 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.

65) 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.

66) 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, Sonepat, Haryana.

67) 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.

68) 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.

69) 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.

70) 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.

71) Acted as Resource Person in UGC-Human Resource Development Centre, B.P.S. Women University, Khanpur Kalan, Sonepat, Haryana and conducted expert session for participants of 31st Orientation Programme on the topic *"Recent Trends in Computing"* on December 4, 2018.

72) Acted as Resource Person in UGC-Human Resource Development Centre, B.P.S. Women University, Khanpur Kalan, Sonepat, Haryana and conducted expert session for participants of 31st Orientation Programme on the topic *"Use of ICT in Teaching & Learning"* on December 4, 2018.

73) 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.

74) Acted as Resource Person in UGC-Human Resource Development Centre, B.P.S. Women University, Khanpur Kalan, Sonepat, Haryana and conducted expert session for participants of 30th Orientation Programme on the topic *"Recent Innovations and Future Computing Technologies"* on November 24, 2018.

75) Acted as Resource Person in UGC-Human Resource Development Centre, B.P.S. Women University, Khanpur Kalan, Sonepat, Haryana and conducted expert session for participants of 30th Orientation Programme on the topic *"Cyber Crime & Cyber Security"* on November 24, 2018.

76) 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.

77) 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.

78) Acted as Key Speaker in **LAKSHAY – Annual School Education & Career Summit 2018** organized by SB Global School, NCR Delhi, Sonepat on 15th November 2018.

79) 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).

80) 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.

81) 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, Sonepat, Haryana.

82) 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.

83) 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.

84) 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.

85) 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.

86) Acted as Resource Person in UGC-Human Resource Development Centre, B.P.S. Women University, Khanpur Kalan, Sonepat, 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.

87) Acted as Resource Person in UGC-Human Resource Development Centre, B.P.S. Women University, Khanpur Kalan, Sonepat, 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.

88) Acted as Resource Person and conducted Seminar on *"Future Innovations andComputing Technologies"* on Feb. 01, 2018(A.N.) at Mahavir Swami Institute of Technology (MSIT), NH-1, Jagdishpur, Delhi NCR.

89) 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.

90) 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.

91) 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.

92) 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).

93) Acted as Resource Person in *"Orientation Programme on Career Awareness"* on June 3, 2017 organized by Vaish Arya Kanya Mahavidyalaya, Bahadurgarh(Haryana).

94) 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.*

95) 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.*

96) 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".**

97) 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.

98) 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.

99) 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.

100) 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.

101) 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.

102) 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.

103) 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.

104) 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.

105) 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.**

106) 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.

107) 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.

108) 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.

109) Acted as a Resource Person in *Elsevier Author Workshop* on November 18, 2016 conducted by Vivekananda Library M. D. University Rohtak.

110) 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.

111) 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.

112) 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.

113) Conducted a Workshop on the theme **"Next Generation Computing Technologies: Opportunities & Challenges"** at Hindu Girls College, Sonepat on 1st June 2016 and addressed the students.

114) 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, Sonepat

115) 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"* organizedat RPS Group of Institutions, Mahendergarh on 10thApril, 2016.

116) 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.**

117) 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.

118) 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.**

119) 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.**

120) 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.**

121) Acted as Chief Guest and delivered Keynote Address on the theme of the International Conference on *"Emerging Trends in Technology, Science & Upcoming Research"* heldat DAV Institute of Management, Faridabad (Haryana) on April 25, 2015.

122) Resource Person in Academic Staff College, Kurukshetra and conducted two sessions onJune 29, 2015 for participants of Refresher Course in Computer Science on the themes
   a. *Internet of Things (IoT)*
   b. *Future Trends in Computing Technologies*

123) 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.

124) 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.

125) 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.

126) 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.

127) 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.

128) 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.

129) 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, Sonepat, Haryana on February 6-7, 2015.

130) 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.

131) 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.

132) 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.

133) 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.

134) 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.

135) 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.**

136) 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.

137) 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.

138) 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.**

139) **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.**

140) 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.

141) 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.

142) **Extension Lecture** delivered on *"Employment Opportunities in IT Sector"*, **Govt. College, Bhiwani** on 5.3.2014

143) **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.

144) 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.

145) **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 22ndJanuary 2014).**

146) **Delivered Expert/Extension Lecture on the theme *"21st Century Computing Technologies"* to students of G.D.C. Memorial College, Bahal on October 26, 2013.**

147) 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.

148) 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.

149) **Addressed audience in Intl. Conference** on *"Innovations in Management & Information Technology" (***ICIMIT-2012) organized by IMT, Faridabad on 7th April, 2012.**

150) **Addressed audience in IEEE sponsored 1st National Conference on *"Emerging Trends in Engineering and Technology"* (NCETET-12) organised by SBIT, Sonepat on Feb. 3, 2012**as well as chaired the Technical Session.

151) 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, Sonepat during MAY 11-12, 2012.**

152) **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.

153) **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.

154) **Delivered an Expert Lecture *"Challenges for Future Engineers"* on Engineers' Day

(Sept 15, 2011) organized by SBIT Group of Institutions, Sonepat.

155) **Delivered an Expert Lecture** *"Networked Society of 21st Century: Opportunities & Challenges" on* October 20, 2012 organized by Department of Mathematics, M.D. University, Rohtak

156) **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

157) **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.

158) **Delivered an Expert Lecture** *"Challenges for Future Engineers"* on Engineers' Day (Sept 15, 2011) organized by SBIT Group of Institutions, Sonepat.

159) **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.

160) **Delivered as Presidential Address in** Workshop on "*Application of SPSS Software in Research",* Organized by IHTM, Maharshi Dayanand University, Rohtak, April 19-20, 2011.

161) Acted as *Chairperson of Technical Session* **of International Conference** on *"***Business Intelligence-An Alignment of IT & Management",** IMT, Faridabad, April 9, 2011.

162) **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.*

163) 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.

164) 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.

165) **Resource Person in Orientation Course conducted by Academic Staff College, BPS Mahila University, Khanpur on May 4, 2010 and delivered expert lecturers on** *Convergence of Technologies: Opportunities & Challenges for Future Generations.*

166) **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.*

167) **Extension Lecture** delivered on *"Cyberspace in 21st Century",* Gaur College, Rohtak.

168) **Extension Lecture** delivered on *"IT in 21st Century: Opportunities and Challenges",* **MRDAV,** Asthal Bohar (Rohtak) M.D. University, Rohtak.

169) **Extension Lecture** delivered on *"Role of ICT in Teaching & Learning",* C.R. College of Education, Rohtak on 12.02.2009.

170) **Extension Lecture** delivered on *"IT: Opportunities & Challenges",* Vaish College, Bhiwani.

171) **Extension Lecture** delivered on *"Cyberspace and Essence of Cyber Laws in 21st*

Century", Institute of Management & Technology, Faridabad.

172) **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.**

173) **Resource Person in *Refresher Course in Computer Science* at P.G. Govt. College, Jind and delivered following Two Lectures on** May 13, 2008.
   a. ***ERP in 21ˢᵗ Century***
   b. ***Data mining and Data warehousing***

174) **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.*

175) **Resource Person in *Refresher Course in Chemistry* at N.R.S. Govt. College, Rohtak in May-June 2008.**

176) **Extension Lecture** delivered on *"Information Technology in 21ˢᵗ Century: Opportunities and Challenges",* Department of Mathematics, M.D.University, Rohtak on 13.2.2008

177) **Extension Lecture** delivered on *"Information Technology in 21ˢᵗ Century: Opportunities and Challenges",* **MRDAV,** Asthal Bohar (Rohtak) M.D. University, Rohtak on 5.3.2008

178) 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".**

179) 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.

180) 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) <u>Talks Broadcasted from All India Radio/TV Studios</u>

A) 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".*

B) 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".*

C) 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)