Curriculum Vitae

Name: Dr. Neelam Goel

Permanent Address: #266, First Floor, Phase-IV, Sector-59, Mohali

Corresponding Address: 266, First Floor, Phase-IV, Sector-59, Mohali

Mobile : +919468427952

E-mail : neelamgoel1985@gmail.com, erneelam@pu.ac.in

Educational Qualification

- Ph.D., Department of Computer Science & Engineering, Punjab Engineering College (Deemed to be University), Chandigarh, January, 2019.
  Thesis Entitled "Development and Analysis of a Model for Automatic Gene Prediction Using Soft Computing Techniques" under the supervision of Prof. (Dr.) Shailendra Singh and Prof. (Dr.) Trilok Chand.
- M.E., Department of Information Technology, University Institute of Engineering & Technology, Panjab University, Chandigarh, 2009.
- B.Tech., Department of Computer Science & Engineering, JIET, Kurukshetra University, Kurukshetra, Haryana, 2006.

Research Interests:

Bioinformatics and Computational Biology, Image Processing, Signal Processing. Specific research interests include Genome Annotation, Biological age prediction in Humans, Clinical outcome prediction using Microarray data. Currently, I am exploring agricultural & medical imaging and signal processing.

Professional Experience:

- 31st December, 2014 - Current: Assistant Professor, Department of Information Technology, University Institute of Engineering & Technology, Panjab University, Chandigarh.
- 1st May, 2011- 25th June, 2012: Assistant Professor, Department of Computer Science & Engineering (CSE), Baddi University of Emerging Sciences and Technology (BUEST), Baddi, Himachal Pradesh.
- 11th June, 2009 – 30th April, 2011: Lecturer, Institute of Engineering and Emerging Technologies (IEET) **now BUEST**, Baddi, Himachal Pradesh.

- 12th February, 2007 – 4th October, 2007: Lecturer, Institute of Engineering and Emerging Technologies (IEET) **now BUEST**, Baddi, Himachal Pradesh

Technical proficiency:

- Programming languages   :   C, C++, Python
- Front ends   :   HTML, Visual Basic
- Back ends   :   SQL server, MySQL
- Web   :   VB.Net
- Simulators   :   MATLAB
- Operating systems   :   Windows variants, Machintosh
- Analysis Tools   :   Weka

Academic Achievements:

- ➢ Delivered a talk as expert in FDP on "Integrative Analysis of Multi-Omics Data for Clinical Outcome Prediction in Cancer Patients" organized by Punjab Engineering College (Deemed to be University), Chandigarh on 13th January, 2024

- ➢ Expert in all technical sessions for the entire one week training programme on "AI and Machine Learning" from 2nd August to 7th August, 2021 at UIET, PU, Chandigarh.

- ➢ Delivered a talk as expert in national seminar on "Machine Learning with Weka" organized by Guru Nanak College, Budhlada, Punjab held on 23rd July, 2020

- ➢ Awarded with best research publication award by UIET, Panjab University, Chandigarh for the year 2017-18

- ➢ Second Runner-Up of Techie Track-CaseFolio Contest of INSPIRE-The Faculty Contest Series organized by Infosys Technologies Ltd, Chandigarh in 2011

- ➢ Qualified Gate with 88.25 Percentile in March 2011

- ➢ Awarded with Gold Medal by Panjab University for Standing First in M.E(I.T) in 2009

- ➢ Awarded with Merit Certificate by Panjab University Alumni Association for Academic Excellence in M.E in 2009

- ➢ Awarded with Merit Certificate by the Institute for standing 3rd in B.Tech. in 2004

Seminars/Short Term Courses/Summer Schools/Winter Schools/Workshops/FDPs/Symposium attended:

S. No.	From	To	Institute	Sponsored By	Name of Course
1	7th December, 2009	11th December, 2009	IEET **now BUEST**, Baddi	WIPRO	"Mission10X Workshop"
2	20th March, 2010	21st March, 2010	IEET **now BUEST**, Baddi	Kyrion Digital Securities	Workshop on "Ethical Hacking and Information Security"
3	6th August, 2010	6th August, 2010	Baddi University of Emerging Sciences and Technology (BUEST), Baddi	Pearson Education India	Workshop on "Computer Fundamentals and C Programming"
4	15th March, 2011	17th March, 2011	Infosys, Chandigarh	Infosys Technologies Ltd.	Technology Train the Trainer
5	18th July, 2011	29th July, 2011	NITTTR, Chandigarh	Education and Educational Management Department, NITTTR, Chandigarh	Induction Training Programme For Newly Recruited Teachers
6	20th October, 2011	20th October, 2011	Infosys, Chandigarh	Infosys Technologies Ltd.	Techie Track-CaseFolio Contest of INSPIRE-The Faculty Contest Series
7	28th August, 2012	28th August, 2012	PEC University of Technology, Chandigarh	Department of CSE	Round Table Conference on Critical Information Infrastructure Protection-Towards building a cyber safe

					city
8	12th November, 2014	12th November, 2014	PEC University of Technology, Chandigarh	TEQIP	Research Scholars Congregation
9	4th May, 2015	8th May, 2015	NITTTR, Chandigarh	TEQIP	STTP on "Build My Smartphone"
10	8th August, 2015	8th August, 2015	PGIMER, Chandigarh	Association of Basic Medical Sciences	Symposium on "Clinical Applications of Next Generation Sequencing and Microarray "
11	20th November, 2015	20th November, 2015	CII(NR), Chandigarh	C-DAC Bangalore	Digital Signatures and Public Key Infrastructure
12	23rd May, 2016	28th May, 2016	UIET, Chandigarh	TEQIP	FDP on "Data Analytics and Big Data"
13	17th November, 2016	18th November, 2016	UIET, Chandigarh	TEQIP	Symposium on "Emerging Trends in Telecommunication and IT"
14	9th January, 2017	14th January, 2017	UIET, Chandigarh	TEQIP	FDP on "Effective Teaching Skills"
15	18th September, 2017	19th September, 2017	UIET, Chandigarh	DIC	Innovative Design Contest
16	6th May, 2019	13th May, 2019	UIET, Chandigarh	Infosys Ltd.	InfyTQ based Foundation Program
17	16th August, 2019	5th September, 2019	UGC-HRDC, Panjab University Chandigarh	UGC-HRDC, Panjab University Chandigarh	122nd Orientation Programme

18	12th Feb, 2020	14th Feb, 2020	Panjab University, Chandigarh	Panjab University, Chandigarh	Global Summit on Next-Gen Paradigms in Healthcare, ICONICA 2020
19	18th Feb, 2020	18th Feb, 2020	UIET, Panjab University, Chandigarh	IIT Delhi	Workshop on "Virtual Labs"
20	13th April, 2020	12th May 2020	Stanford University	Coursera	MOOC course on "Machine Learning"
21	8th May, 2020	8th May, 2020	UIET, Panjab University, Chandigarh and GCET, Jammu	TEQIP-III	Webinar on "Cloud Security"
22	29th May, 2020	30th May, 2020	UIET, Panjab University, Chanigarh and GCET, Jammu	Panjab University, Chandigarh	International Conference on Aspects of Materials Science and Engineering, ICAMSE 2020
23	12th July, 2020	17th July, 2020	IIITD, Jabalpur (Online mode)	Electronics and ICT Academy, PDPM, IIITD Jabalpur	FDP on "Artificial Intelligence and Deep Learning"
24	7th Dec, 2020	17th Dec, 2020	IIT, Indore (Online mode)	TEQIP-III	FDP "Artificial Intelligence and Machine Learning"
25	16th Dec, 2021	17th Dec, 2021	Virtual Mode	MIR Labs, USA	11th World congress on Information and Communication Technologies, WICT'21
26	14th Dec, 2022	16th Dec, 2022	Virtual Mode	MIR Labs, USA	14th International Conference on Soft Computing and Pattern

27	25th March, 2023	26th March, 2023	Hybrid Mode	Modi Institute of Technology, Kota	Congress on Control, Robotics, and Mechatronics (CRM 2023)
28	4th September, 2023	5th September, 2023	Hybrid Mode	CHRIST, Kengeri Camous	4th Congress on Intelligent Systems (CIS 2023)

FDP(s)/ STTP(s)/Workshops /Seminars/Talks/Events Organized:

S. No.	Name of the Course	Duration	Sponsored by
1	One Day Workshop on "IIT Virtual Labs"	19th February, 2024	IIT Delhi and UIET, Panjab University, Chandigarh
2	4th Sat Paul Mittal Memorial Lecture on " Future Trends in Telecommunication"	9th June, 2022	Bharti Chair Telecom & IT
3	Webinar Series on "Emerging Trends in IT"	4th-5th October, 2021	UIET, Panjab University, Chandigarh
4	Expert Talk on "Career Opportunities after B.Tech"	14th September, 2021	ACE Engineering Academy
5	One week Online Training Programme on "AI and Machine Learning"	2nd -7th August, 2021	TEQIP-III
6	Expert Talk on "Design Thinking"	29th January, 2021	IIC 3.0, UIET, Panjab University, Chandigarh
7	Expert Talk on " SAP and Emerging Industry Trends"	21st January, 2020	TEQIP-III
8	Software Freedom Day	19th-20th September, 2020	TEQIP-III
9	Software Freedom Day	21st-22nd September, 2019	TEQIP-III
10	Workshop on Complete Open Source Solutions	9th May, 2018	TEQIP-III
11	Workshop on Internet and Car	20th July, 2016	Consumer Voice

	Safety		(Citizens Awareness Group)
12	Workshop on Ethical Hacking and Information Security	20th -21st March 2010	Kyrion Digital Securities

Membership of University / Institute Bodies:

S. No.	Name
1.	Member of Technical Committee (2018), UIET, PU, Chandigarh
2.	Member of TEQIP III Academic Committee (2017-2021), UIET, PU, Chandigarh
3.	Convener Technical Committee (Dec 2022-present), Member of Cultural Committee (2021-2022), Member of UTECHNOS Technical Committee (2015-2016), UIET, PU, Chandigarh.
4.	Member of Institute Innovation Council 2. 0 and 3.0 (2019-20, 2020-21), UIET, PU, Chandigarh
5.	Member of Academic Committee (2023), UIET, PU, Chandigarh

Membership of Professional Bodies:

S. No.	Name
1.	Life Member of Indian Society for Technical Education (ISTE)-LM 68818 since 2010
2.	Life Time Member of Panjab University Alumni Association

Research Profile

Consultancy/Research Project:

- Project entitled "**Working of website links & content errors**" by Jindal IVF and Sant Memorial Nursing Home, Chandigarh. **(Completed)**

- Principal Investigator for DGRE Chandigarh CARS project on "Development of framework/utility for archival, processing, visualization & classification of seismic signal data for detection of snow avalanche events", 18.92 Lacs for 2 Years. (**Ongoing**).

Details of Ph.D. Students:

S. No.	Name	Status / Year	Title
1	Ms. Deepali, Assistant Professor, Guru Nanak College, Budhlada, Punjab	Enrolled / 2019 Registered/2021	Design of survival time prediction model for oral cancer using multi-omics data
2.	Ms. Diksha Garg	Enrolled/2021 Registered/2023	A Deep Learning Based Model for Early Detection of Diseased Broilers
3	Mr. Nand Kishore	Enrolled/2021 Registered/2023	An approach for classification of Alzheimer's disease using machine learning
4	Ms. Gagandeep Kaur	Enrolled/ 2021 Registered/2022	A model for major depressive disorder prediction with EEG signals

Details of M. Tech. students:

S. No.	Name	Year	Title
1	Ms. Priya Karir, IT, UIET, PU, CHD	2016	Human Age Prediction Using DNA Methylation and Regression Techniques
2	Mr. Ashwinder Singh, IT, UIET, PU, CHD	2017	Integrative Analysis of Multi-Genomic Data For Kidney Renal Cell Carcinoma
3	Ms. Vagisha Sharma, IT, UIET, PU, CHD	2021	A modified feature optimization approach with convolutional neural network for apple leaf disease detection
4	Ms. Diksha Sharma, IT, UIET, PU, CHD	2021	Survival time prediction of head and neck squamous of cell carcinoma using the integration of clinical and multi genomic data
5	Ms. Divya, IT	2022	Disease prediction model for lame

	UIET, PU, CHD		chickens using deep learning
6	Ms. Kavita, IT UIET, PU, CHD	2022	Multi-stage classification of Alzheimer's disease using structural MRI
7	Mr. Abhishek Rana, IT UIET, PU, CHD	Pursuing	-
8	Mr. Arpit, IT UIET, PU, CHD	Pursuing	-

Books Published:

S. No.	Name	Co-Authors, if any	Year	Publisher	ISBN no.
1	Ontology Based Personalized System	-	2013	Lambert Academic Publishing	978-3-659-34064-2

Research Publications:

Journals
1. Deepali, **Neelam Goel**, Padmavati Khandnor, "Advances in AI-based genomic data analysis for cancer survival prediction", Multimedia Tools and Applications, Springer, June 2024 **(SCIE 3.0).**
2. Lovepreet Singh Gill, Jasneh Kaur, **Neelam Goel, "**Machine learning and texture features based approach for classifying Alzheimer's disease**",** Procedia Computer Science, Elsevier, 235: 2741-2748, May 2024 (**Scopus**).
3. Deepali, **Neelam Goel**, Padmavati Khandnor, "Optimized Prognostic Models for Oral Cancer Survival using Feature Selection Methods", Procedia Computer Science, Elsevier, 235:1832-1840, May 2024 (**Scopus**).
4. Nand Kishore, **Neelam Goel**, "Deep learning based diagnosis of Alzheimer's disease using FDG-PET images", Neuroscience Letters, 817: 137530, November 2023 (**SCIE 2.5).**
5. Dharambir Kashyap, Riya Sharma, **Neelam Goel**, Harpal S. Buttar, Vivek Kumar Garg, Diksha Pal, Khairan Rajab, Asadullah Shaikh, "Coding Roles of Long Non-coding RNAs in Breast Cancer: Emerging Molecular Diagnostic Biomarkers and Potential Therapeutic Targets with Special Reference to Chemotherapy Resistance", Frontiers in Genetics, Frontiers, 13: 3338, January 2023, **(SCIE, IF 3.7).**

6.	Poonam Bansal, Hardeep Singh Tuli, Adesh K Saini, Reena V Saini, Kuldeep Dhama, Ranjan K Mohapatra, Deepak Chandran, Vivek Kumar Garg, Amit Vashishth, Gurpreet Kaur Bhatia, **Neelam Goel** "In Silico Targeting of influenza virus haemagglutinin receptor protein using Diosmetin, Tangeritin, and Anthocyanidins as potential drugs", Journal of Experimental Biology and Agricultural Science,10(5): 995-1002, October 2022 **(Scopus).**
7.	Diksha Sharma, Vivek Kumar Garg, Dharambir Kashyap, **Neelam Goel,** "A deep learning-based integrative model for survival time prediction of head and neck squamous cell carcinoma patients", Neural Computing and Applications, Springer, 34(23): 21353-21365, July, 2022 **(SCIE, IF 6.0)**
8.	Dharambir Kashyap, Vivek Kumar Garg, Elise N Sandberg, **Neelam Goel**, Anupam Bishayee, "Oncogenic and tumor suppressive components of the cell cycle in breast cancer progression and prognosis", Pharmaceutics, MDPI, 13(4):569, April 2021 **(SCIE, IF 5.4)**
9.	**Neelam Goel**, Shailendra Singh, Trilok Chand Aseri, "Global sequence features based translation initiation site prediction in human genomic sequences", Heliyon, Cell press, 6(9): e04825, September 2020 **(SCIE, IF 4)**
10.	Deepali, **Neelam Goel**, Padmavati Khandnor, "TCGA: A multi-genomics material repository for cancer research", Materials Today Proceedings, Elsevier, 28: 1492-1495, May 2020 **(Scopus).**
11.	Vagisha Sharma, Amandeep Verma, **Neelam Goel**, "Classification techniques for plant disease detection", Int J Recent Technol Eng", 8: 5423-5430, March 2020.
12.	Priya Karir, **Neelam Goel,** Vivek Kumar Garg, "Human age prediction using DNA methylation and regression methods", International Journal of Information Technology, Springer, 12(2): 373-381, January 2020 **(Scopus).**
13.	Ashwinder Singh, **Neelam Goel,** Yogita, "Integrative analysis of multi-genomic data for kidney renal cell carcinoma", Interdisciplinary Sciences: Computational Life Sciences, Springer, 12(1): 12-23, August 2019 **(SCIE, IF 4.8).**
14.	Dharambir Kashyap, Hardeep Singh Tuli, Katrin Sak, Vivek Kumar Garg, **Neelam Goel**, Sandeep Punia, Ashun Chaudhary, "Role of Reactive Oxygen Species in Cancer Progression", Current Pharmacology Reports, Springer, 5(2):79-86, April 2019 **(Scopus).**
15.	Dharambir Kashyap, Hardeep Singh Tuli, Vivek Kumar Garg, **Neelam Goel**, Anupam

	Bishayee, "Oncogenic and tumor-suppressive roles of MicroRNAs with special reference to apoptosis: Molecular mechanisms and therapeutic potential", Molecular Diagnosis & Therapy, Springer, 22(2):179-201, April 2018 **(SCIE, IF 4.0).**
16.	**Neelam Goel**, Priya Karir, Vivek Kumar Garg, "Role of DNA Methylation in Human Age prediction", Mechanisms of Ageing and Development, Elsevier, 166:33-41, September 2017 **(SCI, IF 5.3).**
17.	**Neelam Goel**, Shailendra Singh, Trilok Chand Aseri, "An improved method for splice site prediction in DNA sequences using support vector machines", Procedia Computer Science, Elsevier, 57:358-367, 2015 **(Scopus).**
18.	Shailendra Singh, Sukhbir Kaur, **Neelam Goel**, "A review of computational intelligence methods for eukaryotic promoter prediction", Nucleosides, Nucleotides and Nucleic Acids, Taylor & Francis, 34(7):449-462, July 2015 **(SCIE IF 1.449).**
19.	Tripti Nassa, Shailendra Singh, **Neelam Goel**, "Splice Site Detection in DNA Sequences using Probabilistic Neural Network", International Journal of Computer Applications, Foundation of Computer Science, 76(4):1-4, August 2013.
20.	**Neelam Goel,** Shailendra Singh, Trilok Chand Aseri, "A comparative analysis of soft computing techniques for gene prediction", Analytical Biochemistry, Elsevier, 438(1):14-21, July 2013 **(SCI IF 2.9).**
21.	**Neelam Goel**, Shailendra Singh, Trilok Chand Aseri, "A review of soft computing techniques for gene prediction", ISRN Genomics, Hindawi Publishing, 2013:1-8, March 2013.
22.	**Neelam Goyal**, Mukesh Kumar, Renu Vig, "Consistency Enforcement Using Ontology on Web", Journal of Computers, Academy Publishers, 5(10):1520-1526, October 2010 **(Scopus).**
	Book Chapters
1	Sunil Kumar, Vivek Kumar Garg, Vamsi Kumar Attuluri, **Neelam Goel**, "Introduction to social neuroscience", Emotional AI and Human-AI Interactions in Social Networking, pp. 1-14, 2023 **(Scopus).**
2	Attuluri Vamsi Kumar, Sunil Kumar, Vivek Kumar Garg, **Neelam Goel**, Vinh Truong Hoang, Dharambir Kashyap, "Future Perspectives for Automated Neurodegenerative Disorders Diagnosis: Challenges and Possible Research Directions", Data Analysis for Neurodegenerative Disorders, pp. 255-267, 2023 **(Scopus).**
3	Shanoo Sharma, Tannu Priya, **Neelam Goel,** Dharambir Kashyap, and Vivek Kumar

	Garg, "Overview of Neurodegenerative Disorders", Data Analysis for Neurodegenerative Disorders, pp. 3-12, 2023 **(Scopus)**.
4	**Neelam Goel**, Shailendra Singh, Trilok Chand Aseri," Boundary exon prediction in human sequences using external information sources", Handbook of Intelligent Computing and Optimization for Sustainable Development, pp. 815-834, 2022 **(Scopus)**.
5	Dharambir Kashyap, Vivek Kumar Garg, **Neelam Goel**, "Intrinsic and extrinsic pathways of apoptosis: Role in cancer development and prognosis", Advances in Protein Chemistry and Structural Biology,Vol. 125, pp. 73-120, 2021 **(Scopus)**.

Correspondence

1.	Vivek Kumar Garg, **Neelam Goel**, "Total bilirubin levels decrease in HCV patients" Clinical Biochemistry, Elsevier, 76:45-46, 2020 (**SCI IF 2.8**).
2.	Vivek Kumar Garg, Rimpy Charak, **Neelam Goel**, "Urine osteopontin: A biomarker for diagnosis of nephrolithiasis?" Clinical Biochemistry, Elsevier, 63:152, 2019 **(SCI IF 2.8)**.
3.	Vivek Kumar Garg, **Neelam Goel**, "Importance of Variables in Nonalcoholic Fatty Liver Disease Patients", Indian journal of endocrinology and metabolism, Wolters Kluwer--Medknow Publications, 22(4):570, July 2018 **(Scopus)**.
4.	Vivek Kumar Garg, **Neelam Goel**, Dharambir Kashyap," "The explanatory variable age is non-significant in diabetic nephropathy (DN) patients" Clinical Biochemistry, Elsevier, 55:96, May 2018 **(SCI IF 2.8)**.

International Conferences

1.	Diksha Garg, **Neelam Goel**, "Yolov8 Based Early Detection model for Lame Broilers", 5th Doctoral Symposium on Computational Intelligence (DoSCI- 2024), May 2024 (**Scopus**).
2.	Divya Verma, **Neelam Goel**, Diksha Garg, "Lameness Prediction in Poultry Chickens using Deep Convolutional Neural Network", 3rd International Conference on Deep Sciences for Computing and Communications (IconDeepCom 2024), April 2024 (**Scopus**).
3.	Nand Kishore, Neelam Goel, "A Review of Deep Learning Techniques for Classification of Alzheimer's disease using MRI", International Conference on Artificial Intelligence, Computing, IoT and Data Analytics (AICTA 2023), December 2023 (**Scopus**).
4.	Gagandeep Kaur, Himanshu Aggarwal, **Neelam Goel**, "An Insightful Analysis of Pre-

	Processing Methods Used in EEG Signals for Computer Assisted Cognitive Domain", 4th Congress on Intelligent Systems (CIS 2023), September 2023 **(Scopus).**
5.	Divya Verma, **Neelam Goel**, Vivek Kumar Garg, "A Review of Machine Learning Models for Disease Prediction in Poultry Chickens", Proceedings of International Conference on Paradigms of Communication, Computing and Data Analytics (PCCD, 2023), 2023.
6.	Nand Kishore, **Neelam Goel**, "Automated Classification of Alzheimer's Disease Stages using T1weighted-sMRI Images and Machine Learning", Congress on Control, Robotics, and Mechatronics (CRM 2023), 2023 **(Scopus).**
7.	**Neelam Goel**, Tushar Srivastava, Yuvraj, Monika, Deepika Koundal, "A Piano Tune Generation Model Using Deep Learning", 14th International Conference on Soft Computing and Pattern Recognition (SoCPar 2022), 2022 **(Scopus).**
8.	Diksha Sharma, **Neelam Goel**, Vivek Kumar Garg, "Predicting Survivability in Oral Cancer Patients", Proceedings of 2nd International Conference on Artificial Intelligence: Advances and Applications, pp. 153-162, 2022.
9.	Vagisha Sharma, Amandeep Verma, **Neelam Goel**, "A Modified Feature Optimization Approach with Convolutional Neural Network for Apple Leaf Disease Detection", 11th World congress on Information and Communication Technologies, WICT'21, pp. 567-578, 2021 **(Scopus).**
10.	**Neelam Goel**, Shailendra Singh, Trilok Chand Aseri, "Neural network based splice site prediction methods", IEEE 2016 International Conference on Electrical, Electronics, and Optimization Techniques (ICEEOT), pp. 4282-4287, 2016 **(Scopus).**
11.	Tanvi, **Neelam Goel**, Manavjeet Kaur, "A review of soft computing techniques in biometrics" 2nd International Conference on Recent Advances in Engineering & Computational Sciences (RAECS), pp. 1-4, 2015 **(Scopus).**
12.	**Neelam Goyal**, Mukesh Kumar, Renu Vig, Puneet Jai Kaur, "Consistency Management and Content Editing using Ontologies on Personalized Web", IEEE 2009 International Advance Computing Conference (IACC), pp. 1694-1696, 2009.
National Conferences	
1.	**Neelam Goyal**, Deepika Koundal, "Resource Description Framework of Semantic Web", National Conference (NCEIT), 2008.

Papers/Poster presented in Conferences:

S. No.	Title of the paper	Name of Conference
1.	Resource Description Framework of Semantic Web	National Conference –NCEIT (2008)
2.	Consistency Management and Content Editing using Ontologies on Personalized Web	IEEE International Advance Computing Conference (2009)
3.	Evaluation of neural network based splice site prediction methods on human genomic sequences	IEEE International Conference on Electrical, Electronics, and Optimization Techniques (2016)
4.	Bioinformatics and its Applications	CHASCON (2017)
5.	TCGA: A multi-genomics material repository for cancer research	International Conference on Aspects of Materials Science and Engineering, ICAMSE 2020
6.	A Modified Feature Optimization Approach with Convolutional Neural Network for Apple Leaf Disease Detection	11th World congress on Information and Communication Technologies, WICT'21
7.	A Piano Tune Generation Model Using Deep Learning	14th International Conference on Soft Computing and Pattern Recognition, SoCPar 2022
8.	Machine Learning and Texture Features Based Approach for Classifying Alzheimer's Disease	International Conference on Machine Learning and Data Engineering, ICMLDE 2023
9.	Lameness Prediction in Poultry Chickens using Deep Convolutional Neural Network	3rd International Conference on Deep Sciences for Computing and Communications IconDeepCom 2024
10.	Yolov8 Based Early Detection model for Lame Broilers	5th Doctoral Symposium on Computational Intelligence, DoSCI- 2024

Session Chair in International Conferences:

S. No.	Name of Conference
1.	International Conference on Recent Advances in Engineering & Computational Sciences (RAECS), Dec. 21-22, 2015 at University Institute of Engineering & Emerging Technologies, Panjab University, Chandigarh

Research Credentials: Scopus Author ID: 55673677900, ORCID ID: orcid.org/0000-0002-1577-4530

Google Scholar
Total citations as on date 616, h-index =12 and i-index = 13
https://scholar.google.co.in/citations?user=ZzAlgfYAAAAJ&hl=en
Scopus
Total citations as on date 392, h-index=9 and Documents=34
https://www.scopus.com/authid/detail.uri?authorId=55673677900

Editor of Journals: Guest editor for special issue "Mathematical Methods for IoT-based Signal and Image Processing Applications" of Mathematical Problems in Engineering

Reviewer of Journals:

- Briefings in Bioinformatics (Oxford University Press)
- IEEE Access (IEEE)
- Molecular Ecology Resources (Wiley)
- Chemometrics and Intelligent Laboratory Systems (Elsevier)
- Computational Intelligence and Neuroscience (Hindawi)
- Journal of Electronic Imaging (SPIE Digital Library)
- International Journal of Distributed Sensor Networks (SAGE)
- IET Image Processing (Wiley)
- Computational and Mathematical Methods in Medicine (Hindawi)
- Contrast Media & Molecular Imaging (Hindawi)
- Frontiers in Physiology (Frontiers)
- Wireless Communications and Mobile Computing ((Hindawi)
- Neural Processing Letters (Springer)
- BioMed Research International (Hindawi)
- Journal of Healthcare Engineering (Hindawi)
- IEEE Open Journal of Intelligent Transportation Systems (IEEE)
- Big Data (Springer)
- Engineering Applications of Artificial Intelligence (Elsevier)

Key References:

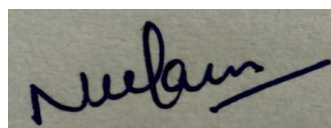- Prof. (Dr.) Shailendra Singh (Ph.D. Research Guide)

Department of Computer Science and Engineering,

Punjab Engineering College, Sector 12,

Chandigarh, India

Shailendra_sing@yahoo.com, +91-9023080209

- Prof. (Dr.) Trilok Chand Aseri (Ph.D. Research Guide)

  Department of Computer Science and Engineering,

  Punjab Engineering College, Sector 12,

  Chandigarh, India

  a_trilok_chand@yahoo.com, +91-9569809731

- Prof. (Dr.) Krishan Saluja

  Department of Information Technology

  University Institute of Engineering & Technology,

  Panjab University, Sector 25,

  Chandigarh, India

  k.salujauiet@gmail.com, +91-8288012014

Personal Profile:

Date of Birth	:	04-08-1985
Father's Name	:	Sh. Baru Ram Goel
Sex	:	Female
Marital Status	:	Married
Nationality	:	Indian
Languages Known:		Hindi, English, and Punjabi

   I hereby declare that the above information is true to best of my knowledge.

(Signature)