

CURRICULUM VITAE

Dr. Mahendra Singh

Assistant Professor (Level 12)
Department of Computer Science
Gurukula Kangri (Deemed to be University)
Haridwar-249404, Uttarakhand, India
Website: www.gkv.ac.in

Date of Birth	:	08-03-1967
Marital Status	:	Married
Residence	:	'Srijan' 60, Sarvpriya Vihar, Kankhal Haridwar -249408, Uttarakhand
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EDUCATION

Ph.D. (Computer Science)
M.Sc. (Computer Science)
M.Sc. (Physics with specialization in Electronics)

EXPERIENCE

Teaching/Research/Technical Experience : 28 Years

COURSES TAUGHT

Digital Fundamentals, Computer Organization & Architecture, Operating Systems, Advanced Computer Architecture, Parallel Computing, Artificial Intelligence, Information Security, Cryptography, Networks, Compiler Design

RESEARCH PROFILE

No. of Research Publications ((In Refereed Journals)	:	20
No. of research paper published in conference proceedings	:	18
No. of Research papers presented in the conferences	:	08
No. of book chapter/articles publications	:	03
No. of Books Authored	:	02
Citations (Google Scholar)	:	204 (h-index: 6, i-10 index: 6)
Citations (Scopus)	:	45 (h-index: 4)
Ph.D. Thesis Supervision	:	Awarded-3, Undergoing-1

PARTICIPATION IN CONFERENCES/WORKSHOPS:

Participated in more than 22 conferences/workshops/seminars at national and international level and chaired 5 conference sessions also.

PARTICIPATION IN FDP/REFRESHER COURSES/STC:

Attended 17 FDP/Refresher/Short term courses on various relevant topics of interest.

PUBLICATIONS IN REFERRED JOURNALS:

S.No	Authors	Titles	Name of Journal	Volume	Pages	Year
1	K. K Aggarwal, V Kumar, M S Aswal	Deciding Link Priorities in the design of a CCN	Aryabhata, Journal of GKV	Vol 1, No. 2,	223-232	1998
2	M S Aswal, Vinod Kumar	Adaptive Wormhole Routing in Mesh Network with Solid Faults	Journal of CSI (Computer Society of India)	Vol. 37 No.2	43-52	2007
3	M S. Aswal, Paramjeet Rawat, Tarun Kumar,	Threats and Vulnerabilities in Wireless Mesh Networks Academy Publishers, Finland.,	International Journal of Recent Trends in Engineering	Vol 2 No. 4, , [ISSN: 1797-9617],	155-158	2009
4	M S Aswal, Paramjeet Rawat	An Integrated Security Framework for hybrid wireless mesh network,”	International Journal of Computer Science & Engineering, (ISSN: 0975-3397)	Vol.2, No. 4,	1136-1141	2010
5	Poonam Tanwar, T V Prasad, M S Aswal	Comparative study of three declarative knowledge representation techniques	International Journal on Computer Science and Engineering,	Vol. 02, No. 07, (ISSN: 0975-3397)	2274-2281.	2010
6	Paramjeet Kaur Bedi, Mahendra Singh Aswal, Praveen Kumar	An Improved Hop-Count Metric for Infrastructural Wireless Mesh Network	International Journal on Computer Science and Engineering	Vol. 03, No. 05, (ISSN: 0975-3397)	1757-1763	2011
7	M S Aswal,	A study of green cloud computing paradigms	Global Journal of Business Management, (ISSN:0973-8533)	Vol 7, No.2,		2013
8	Prasant Kumar Arya, M S Aswal, Vinod Kumar	Comparative Study of Asymmetric Key Cryptographic Algorithms	International Journal of Computer Science & Communication Networks, (ISSN:2249-5789)	Vol 5(1),	17-21	2015

9	J C Patni, M S Aswal	Distributed Approach of Load balancing in Dynamic Grid Computing Environment	International Journal of Communication Networks and Distributed Systems (Scopus)	Vol 19, No. 1,	1-18	June 2017
10	Jagdish Chandra Patni, Ravi Tomar, Mahendra Singh Aswal, Ankur Dumka,	Prediction Based On Sentiment Analysis of Game	International Journal of Current Engineering And Scientific Research, ISSN (Print): 2393-8374, (Online): 2394-0697	Volume-4, issue-10,	62-70,	2017
11	Ravi Tomar, Mahendra Singh Aswal, Hitesh Kumar Sharma, J C Patni	Non-Relational Data Storage Using Programming Languages	International Journal of Current Engineering And Scientific Research,	Volume-4, issue-10, ISSN (Online): 2394-0697	72-76	2017
12	Satveer, Mahendra Singh Aswal	A Taxonomy and Survey of Energy Efficient Resource Allocation Schemes for Cloud DC	International Journal of Computer Science and Engineering,	Vol.-6, Issue-9, E-ISSN: 2347-2693 ,	691-698	Sept. 2018
13	Satyaveer Singh and Mahendra Singh Aswal	Taxonomical Classification of Web Usage Mining Applications and its Ontological Representation	Asian Journal of Computer Science and Technology, ISSN: 2249-0701,	Vol.7 No.3,	39-43	2018
14	Satyaveer Singh, Mahendra Singh	Semantic Web Mining: Survey and Analysis	Journal of Web Engineering & Technology ISSN: 2455-1880 (Online),	Volume 5, Issue 3	20-31	2018
15	Satveer, Mahendra Singh Aswal,	Energy and SLA-aware VM Selection Algorithm for Resource Allocation in Cloud Data Centers	International Journal of Scientific & Technology Research, ISSN: 2277-8616 (Scopus)	Vol. 8, Issue-12,	3533-3539	Dec 2019

16	Satyaveer Singh, Mahendra Singh,	Performance Analysis of Sequential Rule Mining Techniques for Web Page Recommendation System	International Journal on Emerging Technologies January, ISSN (Online): 2249-3255, (Scopus)	Vol 11, Issue-2	81-91	2020
17	Abhay Pratap Singh, Mahendra Singh	A Comparative Review of Malware Analysis and Detection in HTTPs Traffic,	International Journal of Computing and Digital Systems (Scopus)	Vol 10, No.1,	111-123	Jan-2021
18	Satyaveer Singh, Mahendra Singh	Constructing an effective ontology for web page recommendation	Int. Journal of Web Engineering and Technology (Scopus)	Vol. 16, No. 2	86-112	Sept 2021
19	Satveer, Mahendra Singh Aswal	VM Consolidation Plan for Improving the Energy Efficiency of Cloud	Cybernetics And Information Technologies (Scopus)	Vol 21, No 3	145-159	Dec 2021
20	Abhay Pratap Singh, Mahendra Singh,	Classification of Malware in HTTPs Traffic Using Machine Learning Approach	El-Cezari Journal of Science and Engineering (Scopus)	Vol 9 No 2,	644-655.	May 2022

PUBLICATIONS OF BOOK CHAPTERS/ARTICLES:

S.N	Title	Author's Name	Book Title and Publisher	Page No.	Year of Publication
1	Multimedia: An introduction	M S Aswal, Shashikant Sharma	Vijnan Garima Sindhu, Magazine of Ministry of Human Resource Development, Govt. of India, No. 28. ISSN: 2320-7736	109-111	1999
2	A State of the Art on Big Data With Semantic Web Technologies ,	Singh, Satyaveer and Aswal, Mahendra Singh	Handbook of Research on Engineering Innovations and Technology Management in Organizations, IGI Global Publisher, DOI: 10.4018/978-1-7998-2772-6, EISBN13: 9781799827733 (Scopus)	195-216	April 2020,

3.	Handshake Comparison Between TLS V 1.2 and TLS V 1.3 Protocol	Abhay Pratap Singh, Mahendra Singh	Cyber Security in Intelligent Computing and Communications, Springer Nature, eBook ISBN 978-981-16-8012-0 (Scopus)	143-155	March 2022
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PUBLICATIONS IN CONFERENCE PROCEEDINGS:

- **M S Aswal**, Vinod Kumar “A Deterministic Fault-Tolerant Wormhole Routing for Mesh Networks,” in Proceedings of Asian Conference on Intelligent Systems & Networks organized by HEC, Haryana on Feb 24-25, 2006.
- **M S Aswal**, Vinod Kumar “Adaptive Fault-Tolerant Wormhole Routing in 2-D Mesh with Faulty Blocks,” in proceedings of 41st Annual National Convention of Computer Society of India (CSI-2006), Kolkata, November 23-25, 2006.
- **M S Aswal**, Pallavi Bhardwaj, “Advanced RISC Machines,” proceedings of a national conference on ‘Advance Computing and Communication Technology’ which was organised by Department of Computer science & Engineering, ABES Engineering College, Ghaziabad during February 06-07, 2009.
- **M S Aswal**, Shivani Jain, “Cluster Computing: A perspective,” proceedings of a national conference on ‘Advance Computing and Communication Technology’ organised by Department of Computer science & Engineering, ABES Engineering College, Ghaziabad during February 06-07, 2009.
- J C Patni, **M S Aswal**, Omprakash Pal, “Load balancing strategies for grid computing” Proceedings of 3rd International Conference on Electronics Computer Technology (ICECT 2011) technically co-sponsored by IEEE, April 8-10, 2011 239-243. (ISBN 978-1-4244-8677-9) (**Scopus Indexed**)
- Jagdish Chandra Patni, **M.S. Aswal** “A Dynamic and Optimal Approach of Load Balancing in Heterogeneous Grid Computing Environment” Emerging ICT for bridging the future- Proceedings of 49th annual convention (12-14 Dec 2014) of CSI Vol 2, 447-455, Springer International Publishing Switzerland (4 Dec, 2014), 2015 edition, **ISBN-13: 978-3319137278**
- J C Patni, **M S Aswal** et al. “Methods and Mechanisms of Security in Grid Computing,” Proceedings of the INDIACom-2015; (IEEE Conference ID: 35071 2015), 2nd International Conference on “Computing for Sustainable Global Development”, 11th - 13th March, 2015, 7.176-7.178, Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi (INDIA) (ISSN 0973-7529; ISBN 978-93-80544-14-4)
- J C Patni, **M S Aswal** et al. “Deadlock Free Wormhole Routing in a Faulty Torus Networks,” Proceedings of the INDIACom-2015 IEEE Conference ID: 35071 2015, 2nd International Conference on “Computing for Sustainable Global Development”,

11th - 13th March, 2015, 7.170-7.175, Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi (INDIA) (ISSN 0973-7529; ISBN 978-93-80544-14-4)

- J C Patni, **M S Aswal**, “Dynamic Load Balancing Model for layered Grid Architecture” Proceedings of International Conference on Next Generation Computing Technologies (NGCT-2015), UPES Dehradun (India), 4-5 September 2015, 1141-1145 (ISBN 978-1-4673-6807-0 ©2015 IEEE)
- H K Sharma, Ravi Tomar, Ankur Dumka, **M S Aswal**, “OpenECOCOMO: The algorithms and implementation of Extended COst COConstructive MOdel (E-COCOMO)” Proceedings of International Conference on Next Generation Computing Technologies (NGCT-2015), UPES, Dehradun (India), 4-5 September 2015, 1086-1091 (ISBN 978-1-4673-6807-0 ©2015 IEEE)
- J C Patni, **M S Aswal**, “Distributed Load Balancing Model for Grid Computing” Proceedings of International Conference on Next Generation Computing Technologies (NGCT-2015), UPES Dehradun (India), 4-5 September 2015, 1146-1151 (ISBN 978-1-4673-6807-0 ©2015 IEEE)
- Satveer, M. S. Aswal “A Comparative Study of Resource Allocation Strategies for a Green Cloud” Proceedings of 2 nd International Conference on Next generation Computing Technologies (NGCT-2016) at UPES, Dehradun, 14-16 October 2016 (ISBN 978-1-5090-3257-0 © 2016 IEEE)
- Satyaveer Singh, M.S. Aswal “Towards a Framework for Web Page Recommendation System based on Semantic Web Usage Mining: A case study” Proceedings of 2 nd International Conference on Next Generation Computing Technologies (NGCT-2016) at UPES, Dehradun, 14-16 October 2016, 329-334 (ISBN 978-1-5090-3257-0 © 2016 IEEE)
- Sati, M., **Aswal, M.S.**, Dimri, A, “Comparative performance of multipath routing protocols in wireless mesh network,” Advances in Intelligent Systems and Computing 638 (Next-Generation Networks: Proceedings of CSI-2015, Springer), Nov 2018, pp. 127-134 (DOI: 10.1007/978-981-10-6005-2_14) 9789811060045 (print)
- Satveer, **Mahendra Singh** “An Improved Energy-Efficient Policy for Overload Host Detection in Cloud Environment” Proceedings of International Conference on Recent Trends in Science, Technology, Management and Social Development (ICRTSTMSD-18) at Bali (Indonesia), 4-5 August 2018), pp.9-13, <https://www.ijcaonline.org>
- Singh, Satveer and **Aswal, Mahendra Singh**, “Energy Efficient and Multi-Parameters Based VM Selection for Cloud Data Centers” (March 15, 2019), Online Proceedings of International Conference on Advanced Engineering, Science, Management and Technology – 2019 on <http://dx.doi.org/10.2139/ssrn.3394044>
- Singh, Satyaveer and **Aswal, Mahendra Singh**, “Ontology Learning Procedures Based on Web Mining Techniques” (March 14, 2019), International Conference on Advanced Engineering, Science, Management and Technology – 2019 on <http://dx.doi.org/10.2139/ssrn.3382660>

- Abhay Pratap Singh and **Mahendra Singh**, “A Comparative Analysis of Benign and Malicious HTTPs Traffic” Information Management and Machine Intelligence (Proceedings of ICIMMI 2019), Algorithms for Intelligent Systems, Springer Nature Singapore Pte Ltd., 2020, 327-336, ISBN 978-981-15-4936-6 (eBook), https://doi.org/10.1007/978-981-15-4936-6_41

PRESENTATIONS IN NATIOAL/INTERNATIONAL CONFERENCES:

- Presented a paper “**Green Computing Innovations**” in a National Conference on ‘Environmental Management and Biodiversity Conservation’ organised by Omkaranand Institute of Technology & Management, Rishikesh, Uttarakhand on 26-27 Feb 2011.
- Presented a paper “**Sustainable ICT & Computing in a institutional setting**” in a World Congress for Man and Nature organized by Gurukula Kangri Vishwavidyalaya, Haridwar during Nov 11-13, 2011
- Presented a paper “**Green approach towards ICT and Cloud Computing**” in international conference on “Green Technologies for Environmental Rehabilitation” (GTER-2012) organised by Faculty of Engineering and Technology, Gurukul Kangri Vishwavidyalaya, Haridwar during Feb 11-13, 2012
- Attended and presented a paper “**Incorporating green computing at the level of operating system**” in National Conference on Emerging Trends in Engineering and Science(ETES-2013) on 9-10 Nov 2013 at FET, GKV, Haridwar
- Attended a National Seminar on Innovations for inclusive development in Science & Technology organized by ISCA Haridwar Chapter at GKV, Haridwar on 16 Feb, 2014 and presented a paper entitled “**Innovations to enable green networking**”
- Presented a paper entitled “**A Comparative Study of Resource Allocation Strategies for a Green Cloud**” in the 2nd International Conference on Next generation Computing Technologies (NGCT-2016) on 14-16 October 2016 at UPES, Dehradun
- Presented a paper entitled “**Towards a Framework for Web Page Recommendation System based on Semantic Web Usage Mining : A case study**” in the 2nd International Conference on Next generation Computing Technologies (NGCT-2016) on 14-16 October 2016 at UPES, Dehradun
- Presented a paper entitled “**An Improved Energy-Efficient Policy for Overload Host Detection in Cloud Environment**” in International Conference on Recent Trends in Science, Technology, Management and Social Development (ICRTSTMSD-18) at Bali (Indonesia), 4-5 August 2018

BOOKS AUTHORED:

- J C Patni, **M S Aswal**, “An Approach for Deadlock Handling in Torus Network: Wormhole Routing”, LAP LAMBERT Academic Publishing (November 25, 2014) ISBN-10: 3659643467, ISBN-13: 978-3659643460
- **M S Aswal**, Meenakshi Sati “Comparative Study of Multi Path Routing in Wireless Mesh Network”, LAP LAMBERT Academic Publishing, 2017 ISBN: 978-3-330-05035-8

CONFERENCES AND WORKSHOPS ATTENDED/SESSION CHAIRED:

- Attended a National Workshop on **Computer Applications of Nirukta** organized by Computer Centre, Gurukula Kangri University, Haridwar on 15-16 Feb, 1992.
- Attended a National Workshop on **Developing Technical Encyclopedia in Hindi** organized by Ministry of Human Resource Development, Govt. of India at Computer Science Department, Gurukula Kangri University, Haridwar from 6th Jan to 10th Jan 1997.
- Attended a National Conference on **Sustainable Ecosystem and Environment** jointly organized by Action for Sustainable Efficacious Development and Awareness and Department of Zoology, Gurukula Kangri University, Haridwar at Bhooma Niketan, Haridwar on November 2-3, 1998.
- Participated in a **CISCO** mini-seminar organized by CISCO academy at G.B. Pant University, Pantnagar (Uttarakhand) in 2007.
- Attended a national seminar on **Innovations and Applications in Engineering & Applied Sciences** organized by Faculty of Engineering and Technology, Gurukula Kangri (Deemed to be University) Haridwar during Nov 9-10, 2011
- Two-day workshop on **ANN using MATLAB** from Jan 17-18, 2014 at Bharti Vidyapeeth Deemed University, Delhi.
- Chaired a session in International Conference on Next Generation Computing Technologies (**NGCT-2015**) organized by University of Petroleum and Energy Studies, Dehradun and technically co-sponsored by IEEE, 4-5 Sept, 2015.
- Chaired a session in International Conference on Next Generation Computing Technologies (**NGCT-2016**) organized by University of Petroleum and Energy Studies, Dehradun and technically co-sponsored by IEEE, 14-16 Oct, 2016.
- Chaired three sessions in International Conference on Next Generation Computing Technologies (**NGCT-2017**) organized by University of Petroleum and Energy Studies, Dehradun and technically co-sponsored by Springer, Oct, 2017.
- Attended a three day workshop on **Machine Learning and its Applications(WMLA-18)** during April 18-20, 2018 at IIT Roorkee.

- Attended an International Conference on **Recent Trends in Science, Technology, Management and Social Development (ICRTSTMSD-18)** at **Bali (Indonesia)**, 4-5 August 2018
- Chaired a session in International Conference on Next Generation Computing Technologies (NGCT-2018) organized by University of Petroleum and Energy Studies, Dehradun and technically co-sponsored by Springer held on 21st and 22nd Nov, 2018.
- Attended a 11 days **National Workshop on Research Methodology** organised by Department of Yogic Science, Gurukula Kangri (Deemed to be University) Haridwar from December 14 to December 24, 2018.
- Attended a Three Day Workshop on **Introduction to R and Statistical Analysis using R-Studio** organized by Faculty of Management Studies, Gurukul Kangri (Deemed to be University), Haridwar held from 23rd to 25th of November, 2018.
- Chaired a session in International Conference on Next Generation Computing Technologies (**NGCT-2019**) organized by University of Petroleum and Energy Studies, Dehradun on 20-21 December, 2019.
- Attended a **National Convention of Computer Society of India** (Theme: Digital Democracy) organized at KIIT, Bhubneshwar, Odisa, from Jan 16-18, 2020.

FDP/REFRESHER COURSES/STC ATTENDED:

- Attended one month course on **‘ORACLE & Developer 2000’** at University of Roorkee (Now I.I.T., Roorkee) during April 24, 1999 – May 21, 1999.
- Attended a short term training programme on **‘Soft Computing’** conducted by National Institute of Technical Teachers Training & Research (NITTTR), Chandigarh at Gurukula Kangri University, Haridwar from March 27, 2006 to March 31, 2006.
- Attended a short term training programme on **‘Learning Multimedia Materials’** conducted by NITTTR, Chandigarh at Gurukula Kangri University, Haridwar from May 26, 2008 to May 29, 2008.
- Attended a AICTE Sponsored Summer School on **‘Advances in Soft Computing and its Applications’** conducted by NITTR, Chandigarh at Gurukula Kangri University, Haridwar from 14th -25th July, 2008.
- Attended a short term course on **‘Wireless Communications’** conducted by NITTTR, Chandigarh from July 20, 2009 to July 24, 2009.
- Attended a one month **orientation course** in Academic Staff College, Nainital from 20 Feb, 2013 to 19 March, 2013.
- One week FDP on **MATLAB and Simulink** from Feb 4 -8, 2014 at MJP Rohilkhand University, Bareilly

- Attended a 3-week **refresher course** on IT in Academic Staff College, HP University, Shimla from 24 Feb, 2014 to 15 March, 2014
- Attended a short-term course on ‘**Cloud Computing**’ conducted by NITTTR, Chandigarh from Feb 22-26, 2016.
- Attended one week AICTE sponsored short term course on ‘**Social Network Analysis**’ conducted by NITTTR, Chandigarh from Feb 10-14, 2020
- Participated in One week Online Short Term Course on 'NEURAL NETWORK AND CNN' from 14/04/2020 to 18/04/2020 at NITTTR, Chandigarh.
- Participated in a four-days National E-workshop on “**Computer Technology in Human Life with Corona Virus : Challenges and Measures**” organized by Commission for Scientific and Technical Terminology, Department of Higher Education, Ministry of Human Resource Development, Govt. of India during May 26-29 , 2020 at University of Petroleum and Energy Systems, Dehradun.
- Participated in a two-days National E-workshop on “**Use of Artificial Intelligence in New Education Policy**” organized by Commission for Scientific and Technical Terminology, Department of Higher Education, Ministry of Education, Govt. of India during August 17-18, 2020 at Department of Computer Science and Engineering, Women’s Institute of Technology, Dehradun.
- Attended online Training Programme on “Online Education & Teaching Methodologies” organized by Swayam Committee, GKV, Haridwar during 7 -10 August, 2020.
- Attended 2-week FDP on **Developing online courses for Swayam** organized by School of Computer Science & IT and Online Program Cell, Uttarakhand Open University, Haldwani and CEMCA, New Delhi from June 21 to July 05, 2021
- Participated and successfully completed the AICTE ATAL Sponsored 5-Day FDP on **Smart City Technologies** during 20-24 September 2021 at Gurukul Kangri (Deemed to be University), Haridwar.
- Participated and successfully completed the 5-day online FDP on the theme **Inculcating Universal Human Values in Technical Education** organized by All India Council for Technical Education (AICTE) from 27th December, 2021 to 31st December, 2021.

WORKSHOP/STC ORGANIZED:

- Four-days Training Programme on ‘**IBM Rational Rose Software**’ sponsored by IBM India at Vidya Engineering College, Meerut from from 29th April-2nd May, 2009.
- Two-day national workshop on “**Artificial Neural Networks with MATLAB Implementation**” on January 24-25, 2020 sponsored by Department of Computer Science, Gurukul Kangri (Deemed to be University), Haridwar

GUEST/EXPERT LECTURE/WEBINAR DELIVERED:

- Kumaon Engineering College, Dwarahat, Almora (Uttarakhand)
- Department of Mathematics & Physics, Gurukul Kangri Haridwar (Deemed to be University)
- Department of English, Gurukul Kangri Haridwar (Deemed to be University)
- Roorkee Adventist College, Roorkee (Affiliated to HNB Garhwal University), Dec 2017
- Kunti Naman Institute of Pharma Technology & Science (Affiliated to HNB Garhwal University), Roorkee, Jan 2018
- Delivered a expert lecture on **Machine Learning Applications** in two-days FDP in Roorkee College of Engineering, Roorkee (Affiliated to Uttarakhand Technical University) on March 16, 2020.
- Delivered a Webinar on “**Artificial Intelligence Approach Against COVID-19 Pandemic**” organized by National Institute of Electronics and Information Technology, Govt. of India, Haridwar on June 12, 2020.
- Delivered lectures as a **resource person** during the **Transitional Curriculum Program** conducted from April 11, 2022 to April 30, 2022 for the BAMS students of Uttarakhand Ayurveda University Campus, Gurukul Campus, Haridwar.

DISSERTATION SUPERVISION:

- M.Tech Thesis Supervised : 04
- MCA/B.Tech Thesis Supervised : 53

MEMBERSHIP OF PROFESSIONAL BODIES/SOCIETIES:

- Life Member of Computer Society of India
- Life Member of Indian Science Congress
- Life Member of Indian Science Congress, Haridwar Chapter
- Executive Member of Bharat Vikas Parishad (a socio-cultural NGO)

ACADEMIC/ADMINISTRATIVE/TECHNICAL/SOCIAL CONTRIBUTIONS:

- Worked as Head, Department of Computer Science, Vidya College of Engineering, Meerut
- Worked as In-charge Computer Centre, Faculty of Engineering and Technology, G, Haridwar

- Acted as a member of computer and peripheral purchase committee of the Gurukula Kangri (Deemed to be Univesrity), Haridwar
- Acted as a member of campus networking committee, Gurukula Kangri (Deemed to be University), Haridwar
- Involved in Curriculum Development of B.Sc./MCA/M.Sc. Course at Gurukula Kangri (Deemed To Be University) Haridwar.
- Worked as member of B.Sc./MCA Admission Committee, Gurukul Kangri (Deemed To Be University) Haridwar.
- Worked as convener of central computer purchase committee, Gurukula Kangri (Deemed to be University), Haridwar
- Acted as a chairman/member of Badminton Selection Committee, Gurukula Kangri (Deemed to be University), Haridwar
- Acted as chairperman of Bharat Vikas Parisahd, Panchpuri Branch, Haridwar
- Acted as chairman of Computer Society of India, Haridwar Chapter, **2015-16** and **2021-22**.
- Instrumental in arranging various co-curricular activities for students
- Founder Member of Alumni Association of Gurukul Kangri (Deemed to be University), Haridwar
- Designated as **Vikas-Mitra** by Bharat Vikas Parishad for social contributions
- Organized various socio-cultural activities under the aegis of Bharat Vikas Parishad
- Contributed as subject expert in UKSSSC (Uttarakhand Subordinate Staff Selection Commission) Dehradun.
- Acted as Vice-Chairman and Chairman of Computer Society of India, Haridwar Chapter.
- Felicitated by Seva Bharti and Bharat Vikas Parishad for social contribution.