

BIODATA

Name: Dr. Deepti Malhotra

Designation: Assistant Professor

Institute Central University of Jammu

Department: Computer Science & Information Technology

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Educational Qualifications

Degree	University/Institution	Year of Completion	Percentage	Subjects
B.Tech. (CSE)	Model Institute of Engineering and Technology, Jammu University, Jammu with 69.9%	2005	69.9%	Computer Science and Engineering
M.Tech. (CSE)	Thapar University, Patiala (Punjab)	2007	7.66 CGPA on scale of 10	Computer Science
Ph.D (CSE)	University of Jammu, Jammu	2013		Computer Science

Administrative Assignments:

- Member, Directorate of Internal Quality Assurance (DIQA) cell, Central University of Jammu
- Member, Board of Studies, Department of Computer Science and IT, Central University of Jammu
- Member for submitting proposal for B.tech Textile Programming.
- Member of the Digital Learning Cell for the promotion and implementation of Moocs online platform.
- Member of the Research Advisory Committee, Department of Educational Studies.
- Member of Registrartion Committee in Conference on Education Employment and Empowerment

- Member of the Anti-ragging Committee in the University Campus.
- Co-Convenor of the Music Society at CUJ.
- Member Secretary in the University Cultural Committee of Skit
- Incharge of Department website from July 2017-May2018.
- Incharge of Department Library from July 2017-May2018.
- Member of Nation Science Day of Debate in 2020.
- Member of the Publicity Cell for CUET-2022.
- Member - Admission Committee.
- Member -Syllabi forming Committee.
- Member - Department Purchase Committee
- Member-Department Research Committee
- Member-Indian National Calendar Launch Event.
- Member- University Sports Committee of Cricket.
- Member Secretary-University Cultural Fest Committee of Folk Group Song.
- Member Secretary, Teachers Grievances Redressal Committee, Central University of Jammu

Areas of Interest / Specialization:

Grid Computing, Cloud Computing, Virtualization, Machine Learning and Deep Learning: Subfields of Artificial Intelligence, Natural Language Processing.

Subjects Taught

Data Structures, Analysis and Design of Algorithm , C-language , Artificial Intelligence ,Machine Learning ,Data Science, Operating Systems, Digital Computer Fundamentals, ,Theory of Computation, Grid & Cloud Computing ,Data Warehousing and Mining

Research Guidance:

i. Guided 1 PhD Candidates and 3 are pursuing.

S.No	Name	Title	Status
1	Bhagyalakshmi (0150516) 2016	Development of Load Aware Energy Efficient Framework for Cloud Environment	Completed (17/2/2022)
2	Mehak Mengi (0550519) 2019-Present	Development of Automated Diagnostic Assessment Framework For Socio-behavioral Disorders	Pursuing
3	Kuljeet Singh (21PCST01)- Present	Design and Development of AI based Meta Learning Approach for	Pursuing

		the Detection of Rare Disorders.	
4	Arshia Gupta 22PCST02-Present [INSPIRE Fellowship]	“Development of Meta-learning frameworks for the prediction of Neurological and Developmental Disorders” [Proposed]	Pursuing

ii Guided 23 Master of Technology (M.Tech.) Candidates

S.No	Name	Title	Status
1	Ashish Singh Chib (1900521)	Development of an Automated Neurodevelopmental Disorder Framework Using Neuroimaging Biomarker	Completed
2	Rupaly Singh Thakur (2000521)	Ensembler_FMRI:An intelligent approach for the early prediction of autism disorder	Completed
3	Jaffar Amin Chacket (0700521)	Development of Automated Diagnostic Framework for the Diagnosis of Ophthalmic Disorders.	Completed
4	Adil Husain Rather (500520)	Development of Intelligent Framework For Early Prediction Of Diabetic Retinopathy	Completed
5	Faisal Firdous (1100520)	Development of An Intelligent Multimodal Mri Based Framework For Early Prediction Of ADHD	Completed
6	Muzamil Fayaz (1900520)	Development of Intelligent Framework For The Detection Of Vitiligo	Completed
7	Sachin Kumar Chawla (2300520)	Development Of An Artificial Intelligence Based Diagnostic System For The Early Osteoporosis Prediction	Completed
8	Samreen Singh (2600520)	Development Of An Intelligent Framework For The Early Rs-FMRI	Completed

		Based Autism Spectrum Disorder Prediction	
9	Suksham Sharma (0200519)	A face recognition based approach to detect rare genetic diseases.	Completed
10	Ruqiaya Akhtar (2300519)	Development of an improvised model to analyze crowd.	Completed
11	Indu Jamwal (2500519)	Prediction of autism spectrum Disorder using artificial Intelligence	Completed
12	Malik Hyder Ali (2800519)	Development of framework for the prediction of Alzheimer's disease using machine learning.	Completed
13	Rahul Angral (2019-20) (0200518)	Muscle testing for lie detection.	Completed
14	Andri Rai (2019-20) (1300518)	A novel approach to filter out standard Notations for improving academic plagiarism detection	Completed
15	Mayaza Mukhtar (2019-20) (1400518)	A Coarse to fine approach for Forgery detection in legal handwritten documents	Completed
16	Atal Sharma(2019-20) (1700518)	Baby crying classification using Machine/deep learning	Completed
17	Jagbir kour (2018-19) (0500517)	Host load detection in cloud through machine learning	Completed
18	Saima fayaz chashoo (2017-18) (102016)	Detection of page faults in postcopy live virtual machine migration	Completed
19	Vishalika (2017-18) (1002016)	On energy-efficient resource management in cloud computing	Completed
20	Sheetal Kumar(2017-18) (1302016)	Live virtual machine migration pre-copy technique	Completed
21	Atul Kumar2017-18) (1602016)	Design & development of fault tolerant model in cloud computing	Completed
22	Anisha (2017-18) (2302016)	Design and development of task scheduling algorithm in cloud computing.	Completed
23	Minerva Gupta (2017-18) (2402016)	Design And Development of Efficient Framework For Load	Completed

		Balancing In Cloud Computing	
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Consultancy Project:

Title of the Project	Sponsoring Agency	Duration	PI/Co-PI	Status
Development of text and speech corpora for regional languages	DRDO,New Delhi	5 years	CO-PI	Ongoing
FAT_CDDBC An AI Assisted Fast Assessment Tool for the Early Diagnosis of Children with Developmental and Behavioural Concerns	SERB,POWER	3 years	PI	Submitted on September 2022, and finally not accepted in July
SAT_CSBC: Smart and Accurate Tool To Access the Children with Socio-Behavioral Concerns in Jammu & Kashmir.	CSIR-ASPIRE	3 years	PI	Submitted

Co-ordinator of the Faculty Development Programme

Year	Title of the FDP Organized	Sponsoring Agency	Duration	Grant Received	No of Participants
September 2021	Online training and learning academy(ATAL) Faculty Development Programme(FDP) on the topic"Artificial Intelligence"	ATAL, All India Council for Technical Education, New Delhi,	(6 Sept to 10 2021)	Rs 93,000/-	72
Novmber 2019	Face to Face training and learning academy(ATAL) Faculty Development Programme(FDP) on	ATAL, All India Council for Technical Education, New Delhi,	18Nov-22 Nov	Rs1,62,000/-	55

	the topic"Artificial Intelligence"				
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Research Publications

Journal Publications

1. Kuljeet Singh, **Deepti Malhotra** "Meta-Health: Learning-to-learn (Meta-Learning) as a Next Generation of Deep Learning Exploring Healthcare Challenges and Solutions for Rare Disorders: A Systematic Analysis", Archives of Computational Methods in Engineering, Springer, SCIE Journal with Impact Factor of 9.7, Volume , Issue, ISSN 1886-1784[, 29th April,2023[SCIE]. <https://doi.org/10.1007/s11831-023-09927-8>. [SCIE]
2. Mehak Mengi, **Deepti Malhotra**, "A Systematic Literature Review on Traditional to Artificial Intelligence Based SBD Diagnosis in India: Challenges and Future Perspectives", Applied Soft Computing, Elsevier, SCIE Journal with Impact Factor of 8.263, ISSN(Online) 1568-4946 / 1872-9681, Vol129, Pg1-27. <https://doi.org/10.1016/j.asoc.2022.109633>. [SCIE]
3. Mehak Mengi, **Deepti Malhotra**, "Artificial Intelligence Based Techniques for the Detection of Socio-behavioral Disorders--A Systematic Review", Archives of Computational Methods in Engineering, springer, SCI Journal with Impact Factor of 9.7 DOI: [10.1007/s11831-021-09682-8](https://doi.org/10.1007/s11831-021-09682-8). [SCIE]
4. Bhagyalakshmi Magotra, **Deepti Malhotra** "VM Consolidation in Cloud Computing", Archives of Computational Methods in Engineering, Springer, SCIE Journal with Impact Factor of 9.7, Volume , Issue, ISSN 1886-1784[SCIE] <https://doi.org/10.1007/s11831-022-09868-8>. [SCIE]
5. Indu Jamwal, **Deepti Malhotra**, Mehak Mengi, "A Systematic Study of Intelligent Autism Spectrum Disorder Detector," International Journal of Computational Vision and Robotics, ISSN (Online): 1752-914X, ISSN (Print): 1752-9131, Vol 13, Pg219-234 DOI: [10.1504/IJCVR.2022.10046262](https://doi.org/10.1504/IJCVR.2022.10046262). [SCOPUS INDEXED].
6. Bhagyalakshmi, **Deepti Malhotra**, "Resource Efficient VM placement in Cloud Environment using Improved Particle Swarm Optimization", International Journal of Applied Metaheuristic Computing (IJAMC), IGI GLOBAL [ACCEPTED] [ESCI INDEXED].
7. Baghyalakshmi, **Deepti Malhotra**, "An adaptive threshold policy for host overload detection in cloud data centre", International journal of advanced technology and Engineering Exploration " ,Vol 8(83), ISSN (print): 2394-5443, ISSN (Online):2394-7454, October 2021. <http://dx.doi.org/10.19101/IJATEE.2021.874481> . [SCOPUS INDEXED].
8. Jagbir Kaur, **Deepti Malhotra**, Analysis of Various Virtual Machine Migration Techniques in Cloud Computing, International Journal of Research in Electronics and Computer Engineering(IJRECE), Volume7, Issue3, ISSN:2348-2281,pg244-247,July2019.
9. Atul Kumar, **Dr. Deepti Malhotra**, Study of Various Reactive Fault Tolerance Techniques in Cloud Computings, International Journal of Computer Sciences and Engineering (IJCSE), Volume6, Special Issue 5, ISSN 2347-2693, pg 50-53,June 2018. [UGC APPROVED]

10. Sheetal Kumar, **Dr. Deepti Malhotra**, Live Virtual Machine Migration Techniques Survey and Research Challenges, International Journal of Computer Sciences and Engineering (IJCSE), Volume6, Issue 1, ISSN 2347-2693, pg 50-53,June 2018. [UGC APPROVED]
11. Baghyalakshmi, D.Malhotra, AMRRHC: Active Monitoring Round Robin with Holding Capacity Load Balancing Algorithm, International Journal of Computer Sciences and Engineering(IJCSE), Volume6, Special Issue 3, ISSN 2347-2693, pg 56-60,April 2018[UGC APPROVED]
12. Saima Fayaz Chashoo, **Deepti Malhotra**,Virtual Machine Migration and placement Schemes-limitations and challenges, International Journal of Computer Sciences and Engineering(IJCSE),Volume 6, Issue 3,pg16-20, ISSN 2347-2693, April 2018. [UGC APPROVED]
13. Atul Kumar, **Deepti Malhotra**, Study of Various Proactive Fault Tolerance Techniques in Cloud Computings, International Journal of Computer Sciences and Engineering (IJCSE), Volume6, Special Issue 3, ISSN 2347-2693, pg 50-53,April 2018. [UGC APPROVED]
14. Anisha, **Deepti Malhotra**, Load balancing schemes: meataheuristic versus heuristics, International Journal of Latest Trends in Engineering and Technology (IJLTET), with Global Impact Factor - 0.685, Volume10, Issue 1, ISSN 2278-621X, pg 328-330, March 2018.
15. Sheetal Kumar,**Deepti Malhotra**,Live Virtual Machine Migration Techniques and Survey, International Journal of Latest Trends in Engineering and Technology(IJLTET), with Global Impact Factor - 0.685, Volume10, Issue 1, ISSN 2278-621X, pg 371-374,March 2018.
16. Vishalika, **Deepti Malhotra**, EnerPro: Energy Proficiency Platform in Cloud Environment, International Journal of Engineering Science, Pg 16-22,Special Issue March 2018, Vol. 27, ISSN: 2229-6913.
17. Minerva Gupta, **Deepti Malhotra**, Load Balancing Schemes in Cloud Environment, International Journal of Engineering Science, Pg 38-42,Special Issue March 2018, Vol. 27, ISSN: 2229-6913.
18. **Deepti Malhotra**, Amalgamation of Grid Technology and Data Mining _DMG,at Academic Science, International Journal of Innovations Science, and advancements in Computer Science(IJIACS), with Impact factor 2.65, Volume 6, Issue 7 , ISSN 2347-8616,pg141-148, July 2017[UGC APPROVED].
19. Baghyalakshmi, **Deepti Malhotra**, A Review:- Different Improved Throttled load balancing algorithms in cloud computing environments at International Journal of Engineering Technology Management and Applied Science, (IJETMAS), with Impact factor 2.24, Volume 5, Issue 7 , ISSN 2349-4476,pg 409-416, July 2017[UGC APPROVED]
20. **Deepti Malhotra**, Framework for Preventing Deadlock : A Resource Co-allocation Issue in Grid Environment,at International Journal of New Innovations in Engineering and Technology (IJNIET), Thomson Reuters Researcher ID indexed with Impact factor 4.012, Volume 7 Issue 2- March 2017 , Page no 19-25,ISSN : 2319-6319[UGC APPROVED]
21. **Deepti Malhotra**, Deadlock Prevention Algorithm in Grid Environment in MATEC Web of Conferences indexed in scopus,Vol 57, May 11 2016, DOI: 10.1051/ 57, 02013 (2016).
22. **Deepti Malhotra**, Different deadlock handling strategies in distributed Environment at International Journal of Advanced Research in Computer Science and Software Engineering (IJARCSSE) with Impact factor 2.08 Vol6, Issue 2, February 2016. ISSN: 2277 128X. [UGC APPROVED].

23. **Deepti Malhotra**, A Minimum Execution Time Job Scheduling Algorithms in Simulated Grid Environment at International Journal of Advanced Research in Computer Science and Software Engineering(IJARCSSE) with Impact factor 2.08 Vol3, Issue 12, December 2013, ISSN:2277 128X. **[UGC APPROVED]**.
24. **Deepti Malhotra**, Minimum CDT Based Scheduling Algorithm Versus FCFS in Grid Environment at International Journal of Computer Applications (IJCA 0975-8887), with Impact factor 0.835, Vol 68, April 2013. **[Published]**.
25. **Deepti Malhotra**, SCH_ACR and SCH_LD Based Job Scheduling Algorithm in Grid Environment at International Journal of Computer Applications (IJCA 0975-8887), with Impact factor 0.835, Vol 64, page35-41, February 2013. **[Published]**
26. **Deepti Malhotra**¹,Devanand Padha²,Anik Gupta³ ,Simulation of MJ_CDTmin Based Scheduling Algorithms in Grid Environment at International Journal of Computer Applications (IJCA), with Impact factor 0.835,Vol 43, page24-29,March 2012. **[Published]**
27. **Deepti Malhotra**¹, Devanand Padha² , FrameWork for Job Scheduling in Grid Environment, at International Journal of Computer Applications (IJCA),Vol 38,page42-48,January 2012.**[Published]**
28. **Deepti Malhotra**¹, Devanand Padha² , A Framework for Trust and Reputation in Distributed Environments, in International Journal of Research and Reviews in Computer Science (IJRRCS) Vol. 2, No. 2, April 2011 p.no 617-626.**[Accepted and Published]**.

Articles/Research Paper in Books

1. Sahin Kumar Chawla,**Deepti Malhotra**,"Prediction of Osteoporosis Using Artificial Intelligence Techniques: A Review" , Proceedings of International Conference on Recent Innovations in Computing. ICRIC 2022. Lecture Notes in Electrical Engineering,volume2 vol 1011,pg181-198 Springer, Singapore.Isbn: 978-981-99-0601-7".https://link.springer.com/chapter/10.1007/978-981-99-0601-7_15.
2. Adil Hussain Rather,**Deepti Malhotra**,"DEVELOPMENT OF INTELLIGENT FRAMEWORK FOR EARLY PREDICTION OF DIABETIC RETINOPATHY"Proceedings of International Conference on Recent Innovations in Computing. ICRIC 2022,volume2. Lecture Notes in Electrical Engineering, vol 1011,pg491-503, Springer, Singapore.Isbn: 978-981-99-0601-7,https://link.springer.com/chapter/10.1007/978-981-99-0601-7_38.
3. Indu Jamwal, **Deepti Malhotra**, Mehak Mengi, "Autism Spectrum Disorder Detection using ASD_sfMRI", In Jagdish Chand Bansal ,Andries Engelbrecht,Praveen Kumar Shukla .Computer Vision and Robotics(ICCVR-2021).Book Chapter in Algorithms for Intelligent Systems,Springer, Singapore,pg175-189,https://link.springer.com/chapter/10.1007/978-981-16-8225-4_14,ISBN: 978-981-16-8225-4
4. Ruqiaya Akhtar, ,**Deepti Malhotra** , "Intelligent Techniques For Crowd Detection And People Counting- A Systematic StudyIn Jagdish Chand Bansa,l Andries Engelbrecht,Praveen Kumar Shukla .Computer Vision and Robotics(ICCVR-2021).Book Chapter in Algorithms for Intelligent Systems,Springer, Singapore, pg119-130,https://link.springer.com/chapter/10.1007/978-981-16-8225-4_9,ISBN: 978-981-16-8225-4
5. Suksham Sharma, **Dr. Deepti Malhotra**, "A Systematic Study of Intelligent Face Scanning in Rare Disease Detection," Proceedings of 2nd International Conference on Artificial Intelligence: Advances and Applications

ICAIAA 2021. Algorithms for Intelligent Systems. Springer, Singapore. https://doi.org/10.1007/978-981-16-6332-1_39 pg 451-462. ISBN 978-981-16-6332-1.

6. Mehak Mengi¹, **Deepti Malhotra**², “Anatomy of Various Biomarkers for Diagnosis of Socio-behavioral Disorders”, In: Singh P.K., Singh Y., Kolekar M.H., Kar A.K., Chhabra J.K., Sen A. (eds) Lecture Notes in Electrical Engineering, vol 701. Springer, Singapore. Pg 81-91 Vol 832 Issue 81 https://doi.org/10.1007/978-981-16-8248-3_7 ISBN: 978-981-16-8247-6.
7. Mehak Mengi, **Deepti Malhotra**, “SpSiSb: The Technique to Identify Forgery in Legal Handwritten Documents”, In: Rathore V.S., Dey N., Piuri V., Babo R., Polkowski Z., Tavares J.M.R.S. (eds). Rising Threats in Expert Applications and Solutions. Advances in Intelligent Systems and Computing, Oct. 2020, vol 1187 pg 739-748. Springer, Singapore. ISBN: 978-981-15-6014-9. https://link.springer.com/chapter/10.1007/978-981-15-6014-9_89
8. Bhagyalakshmi, **Deepti Malhotra**, “MWAMLB: Modified Weighted Active Load Balancing Algorithm” In: Singh P.K., Singh Y., Kolekar M.H., Kar A.K., Chhabra J.K., Sen A. (eds) Recent Innovations in Computing. ICRIC 2020. Lecture Notes in Electrical Engineering, vol 701 pp 639–648. Springer, Singapore. ISBN: 978-981-15-8297-4. DOI: [10.1007/978-981-15-8297-4_51](https://doi.org/10.1007/978-981-15-8297-4_51)
9. Andri Rai, **Dr. Deepti Malhotra**, “IFME-Intelligent Filter for the Mathematical Expression”, at the third IEEE International Conference on Innovation in Information and Communication Technologies (IICT-2020) springer conference held at ITS, Mohan Nagar, Ghaziabad, UP, India on 7-8 November, 2020, Pg 101-108, published in Innovations in Information and Communication Technologies (IICT-2020). Advances in Science, Technology ISBN 978-3-030-66217-2 https://link.springer.com/chapter/10.1007/978-3-030-66218-9_11 [IEEE].
10. Rahul Angral, **Dr. Deepti Malhotra**, “Implementation of Muscle Testing for lie Detection”, at the third IEEE International Conference on Innovation in Information and Communication Technologies (IICT-2020) springer conference held at ITS, Mohan Nagar, Ghaziabad, UP, India on 7-8 November, 2020, Pg 109-113 published in Innovations in Information and Communication Technologies (IICT-2020). Advances in Science, Technology. ISBN 978-3-030-66217-2 https://link.springer.com/chapter/10.1007/978-3-030-66218-9_12

National/ International Conference Publications

1. Faisal Firdous, **Deepti Malhotra**, Mehak Mengi, “Attention Deficit Hyperactivity Disorder Spectrum ADHD_sfmri”, Fifth International Conference on REcent innovations in Computing” organised by the Central University of Jammu on May 16-17, 2022.
2. Samreen Singh, **Deepti Malhotra**, Mehak Mengi, “TransLearning_ASD: Detection of Autism Spectrum Disorder using Domain Adaptation and Transfer Learning based approach on rs-fmri data”, International Conference on Paradigms of Communications, Computing and Data Sciences organised by the Malaviya National Institute of Technology, Jaipur at 5-7 July, 2022
3. Muzamil Fayaz, **Deepti Malhotra and Naina Kala Dogra**, “Development of an Intelligent Vitiligo Detection Classifier”, International Conference on Paradigms of Communications, Computing and Data Sciences organised by the Malaviya National Institute of Technology, Jaipur at 5-7 July, 2022

4. Mayaza Mukhtar, **Dr. Deepti Malhotra**, "S i s b D p - The Technique to Identify Forgery in Legal Handwritten Documents ", at the third IEEE International Conference on Smart Systems and Inventive Technology (ICSSIT2020) organised by Francis Engineering College, Tirunelveli, India on 20-22, August, 2020, Pg 1103-1108. <http://ieeexplore.ieee.org/document/9214104> [IEEE]
5. Atal Sharma, **Dr. Deepti Malhotra**, " Speech Recognition based IICC - Intelligent Infant Cry Classifier ", at the third IEEE International Conference on Smart Systems and Inventive Technology (ICSSIT2020) organised by Francis Engineering College, Tirunelveli, India on 20-22, August, 2020, Pg 992-998. <https://ieeexplore.ieee.org/document/9214193> [IEEE]
6. Saima Chashoo, **Dr. Deepti Malhotra**, "VM_Mig_Framework: Virtual Machine Migration with and without ballooning", at fifth IEEE International Conference on Parallel, Distributed and Grid Computing (PDGC) organized by the Jaypee University of Technology, Wagnaghat, Solan, Himachal Pradesh, India on 20-22, December, 2018, Pg 368-373. <https://ieeexplore.ieee.org/document/8745993>. [IEEE]
7. Vishalika, **Dr. Deepti Malhotra**, "LD-ASG: Load Balancing Algorithm in cloud computing", at fifth IEEE International Conference on Parallel , Distributed and Grid Computing (PDGC) organized by the Jaypee University of Technology, Wagnaghat, Solan, Himachal Pradesh, India on 20-22, December, 2018, Pg 387-392. <https://ieeexplore.ieee.org/document/8745948>. [IEEE]
8. Baghyalakshmi, **Dr. Deepti Malhotra**, "A Critical Survey of Virtual Machine Migration Technique in Cloud Computing", at first IEEE International Conference on Secure Cyber Computing and Communications(ICSCCC2018)on 15-17 December 2018 in DR B. R Ambedkar National Institute of Technology Jalandhar, Punjab, India,pg 328-332.
[Published and Presented]. <https://ieeexplore.ieee.org/document/8703322>[IEEE]
9. **Deepti Malhotra**¹, Devanand Padha² ,MGC Middleware for Grid Computing: THE GLOBUS TOOLKIT, at International Conference ACAI 2011, will be held on July 21–22, 2011 in Chitkara University,Rajpura, Punjab, India.[Accepted and Published by ACM Publication].
10. **Deepti Malhotra**¹, Devanand Padha² ,MGC Middleware for Grid Computing: **THE GLOBUS TOOLKIT**, at International Conference ACAI 2011, will be held on July 21–22, 2011 in Chitkara University,Rajpura, Punjab, India.[Accepted and Published by ACM Publication].[10.1145/2007052.2007099](https://doi.org/10.1145/2007052.2007099).
11. **Deepti Malhotra**¹, Devanand Padha², 'Trusted Grid Computing', Presented in 5th J&K Science Congress held on Feb 8-10, 2010 in Jammu University, Jammu [Published & Presented].
12. Ankur Gupta¹ , **Deepti Malhotra**² and Vineeta Kachroo³, 'Trusted Routing: Overcoming Man-in-the-Middle Attacks in P2P Networks' at IEEE conference held on 6th -7th March 2009 in Thapar University Patiala,Punjab. [Published].
13. Ankur Gupta¹,**Deepti Malhotra**² and Vineeta Kachroo³ , 'Security Issues In P2P Networks/Computation: A Review' Presented in National Conference on Next Generation Computing and Information Science(NGCIS'09) to be held on 14-15 February 2009 in MIET Jammu. [Published& Presented].
14. Ankur Gupta¹ , **Deepti Malhotra**² and Lalit K. Awasthi³, 'Neighbor Trust: A Trust-based Scheme for Countering Distributed Denial-of- Service Attacks in P2P Networks' at 16th IEEE International Conference on Networks, **ICON'08**, organized by IIT, **Roorkee** held on 9-10 Decmber2008, at New Delhi [Accepted].

Deepti Malhotra and Rinkle Aggarwal, "Performance Analysis of Irregular MINs", at 5th International Conference on Software Engineering Research, Management and Applications (SERA2007), to be held on 20-22 August 2007, in Busan, Korea [Accepted].

15. Deepti Malhotra and Rinkle Aggarwal, "Performance Analysis of Fault Tolerant Irregular MINs", pp.81-87 at National Conference on Challenges and Opportunities in Information Technology (COIT 2007), held on March 23, 2007, in Mandi Gobindgarh (Punjab), India [Published& Presented].
16. Reliability Calculation of fault-tolerant double tree network (FDOT)', Presented in National Conference on Emerging Engineering Perspectives & Practices (ITEEPP'07) to be held on April 6-7,2007 in Thapar University Patiala, Punjab. [Published& Presented].

Invited Talks/Resource Person/Conference Charir

1. As Resource Person in the Two day National Seminar on " Assessment and Evaluation: Recent Trends and Challenges" from February 05 to February 06,2020 organized by School of Education in the Central University of Jammu.
2. Chairs the Technical Session in the IInd International Conference on "Recent Innovation in Computing" on 9th March, 2019 in the Central University of Jammu.
3. As Session Chair 2018 International Conference on Recent Innovations in Computing, Central University of Jammu, March 05-06, 2018.
4. As Invited Speaker on "Cloud Based Storage" in the Two day National Conference on "Emerging Trends in Advanced Computing and Information Technology" (ETACIT-2K18) on 24th February, 2018 in Kathua Campus, University of Jammu.
5. As Invited Speaker on "Windows Security Software " Deptt in the 5th National Conference and Exhibition (NCEEITET) at GCET, Jammu on 20th Feb 2018.
6. Chairs the Technical Session of the CSE& IT Deptt in the 5th National Conference and Exhibition (NCEEITET) at GCET, Jammu on 20th Feb 2018.

Participation in Short Term Courses/ Workshops/ Training/ Conference /Faculty Development Programme.

May 2022	60 Lectures on "Explainable AI(XAI) with Python " on Udemy.
April 2022	One Week Online Faculty Development Programme on "Blockchain assisted Federated Machine Learning for Securing Big Data Analytics and IoT" organized by Department of Information Technology from 8-12 April, 2022 in Dr.B R Ambedkar National Institute of Technology, Jalandhar.
December 2021	Participated in the "14 th National Workshops on Recent Trends in Software Testing (RTST-2021)" jointly organized by the Indira Gandhi Delhi Technical University for Women,

	Delhi and NIT Rourkela from December 27 to December 31,2021 .
March 2021	Participated in the Seven days Faculty Development Programme on “Emerging Trends In Assessment And Evaluation For Teaching And Learning” from March 16 to March 22,2021 organized by Centre for Assessment and Evaluation, School of Education, Central University of Jammu under the aegis of Pandit Madan Mohan Malviya National Mission on Teachers.
February 2021	Participated in the Seven days Faculty Development Programme on “ICT Tools in Education” from February 01 to February 07,2021 organized by School of Education in the Central University of Jammu
January 2021	Participated in the Seven days short term training Programme on “Artificial Intelligence and Deep Learning” from January27 to February 02,2021 Sponsored by ATAL, All India Council for Technical Education, New Delhi, India organized by the Department of Computer Science & Engineering,Model Institute of Engineering & Technology,Kot Bhalwal Jammu.
November 2020	Participated in 5 days Online Faculty Development Programme “on Life Skills for Educators” from 2 Nov-6 th Nov 2020, organized by the Teaching Learning Centre, Indian Institute of Technology(BHU) Varanasi, U.P, India.
September 2020	Participated in 3 days online short course on “ Cyber and Network Security: An Insight”, organized by Computer Engineering Department GCET Jammu under TEQIP-III from 18 th September to 20 th September.
June 2020	Participated in 5 days Faculty Development Programme(FDP) on “ Development of e-content Avoiding Plagiarism “, from 24 to 28 June,2020 organized at Government College For Women, Parade ground Jammu.
October 2019	Attended 5 days AICTE training and learning academy(ATAL) Faculty Development Programme(FDP) on the topic “ Internet of Things (IoT)Sponsored by ATAL, All India Council for Technical Education, New Delhi, India organized by the Department of Computer Science & IT,

	Central University of Jammu, J&K Held during October 14-18, 2019.
June 2019	Participated in the three weeks faculty Development Programme on "Entrepreneurship Development" organized by University Business Incubation Centre (UBIC) in collaboration with Faculty Induction Development Cell, Central University of Jammu, from 20 th May - 10 th June 2019. The programme was sponsored by Entrepreneurship Development Institute of India (EDI), Gandhinagar, Gujarat under DST-NIMAT Project.
March 2019	Attended the two days IInd International Conference on "Recent Innovation in Computing" in the Central University of Jammu on 8 th - 9 th March, 2019.
December 2018	Attended one week workshop/Training on "eSuraksha" A practical Approach on Network & Web Application Security" organized by Department of Computer Science & IT(In Collaboration with C-DAC , Mohali), Central University of Jammu, in the month of December 10 to 14, 2018
December 2018	Attended NPTEL Awareness Workshop conducted by Indian Institute of Technology Kanpur, at Central University of Jammu on 3 rd December, 2018.
September 2018	Participated in the faculty Development Programme on "Data Analytics and Data Science" jointly organized by Electronics & ICT Academy, IIT Roorkee and University of Jammu at University of Jammu, Baba Saheb Ambedkar Road, Jammu Tawi(J&K) from 10 Sept-15Sept, 2018.
March 2018	Attended the two days first International Conference on "Recent Innovation in Computing" in the Central University of Jammu on 5 th -6 th March, 2018.
December 2017	Attended three weeks refresher course conducted by HRDC University of Jammu from 27-11-2017 to 18-12-2017
November 2016	Attended one week workshop on Information Technology conducted by HRDC University of Jammu from 18 th -24 th of Nov 2016.
October 2016	Attended one week workshop on "Recent Trends in Computer Technology" conducted by Department of

	Computer Science & IT, Central University of Jammu, in the month of October 21 -28, 2016.
June 2014	Attended three weeks orientation course conducted by HRDC University of Jammu from 17-06-2014 to 14-07-2014.

Any Other Information: -

- Nominated by the Jammu University as a external examiner for project viva of BE 8th Semester in MIET on 5th and 6th July 2019.
- Nominated by the Jammu University as a external examiner for project viva of BE 8th Semester in MIET on 17th and 20th August 2020.
- Appointed as Examineer/Paper Setter by the University of Jammu for the Course tittle “Microprocessor Based System Design (IT-504)” held through online mode using Google forms on 25th February, 2021.
- Appointed as Examineer/Paper Setter by the University of Jammu for the Course tittle Microprocessors and Interfacing (PCS-503) held through online mode using Google forms on 26th May 2021.

Membership of Professional Bodies

- Members of the Institution of Engineers(India) with Membership No: M-1572576.
- Life Time Member of All India Science Congress with Membership No: L23958

20-07-2023

Dr. Deepti Malhotra