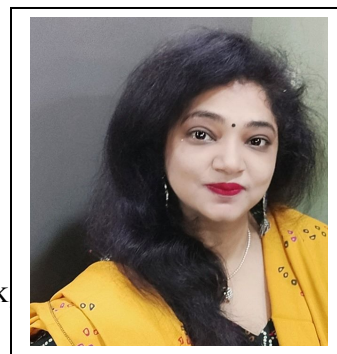


Faculty Profile

Name : Prof.Tripti Sharma
Designation : Professor
Maharaja Surajmal Institute of Technology
Qualifications : Ph.D, M.Phil, M.Tech, B.E
Phone : 9891484486
Email : tripti_sharma@msit.in
Area of Interest/Specialization: Compiler Design, Wireless Sensor Network
Experience : 21+ years



Educational Qualification

S No.	Degree/Diploma/Certificate or other specialised education obtained	College and/ or University	Year	Percentage	Division
1.	PhD (IT)	Indira Gandhi Delhi Technical University for Women, New Delhi	2022	=	=
3	PhD (Computer Science)	Lingaya's University	2015	=	=
3.	M.Tech (Computer Science)	Banasthali Vidyapeeth, Rajasthan	Aug-2001 - Dec 2002	80%	First GOLD-MEDALIST
4.	GATE (Computer Scienc=	----	2001		
5.	B.E (Computer Science and Engineering)	Rajiv Gandhi Proud yogiki Vishwavidyalaya , Bhopal , MP	Aug-1997 - Aug 2001	74%	First
6.	12th	RKVM, Gwalior MP Board	1997	78%	First Distinction in Physics, Chemistry, Maths, English
7.	10 th	RKVM, Gwalior MP Board	1995	73%	First

Key Publications

More than 60 papers published in various SCIE,ESCI,SCOPUS International Journal and Conference (Citations: 467, H-index: 11, i10-index: 12)

Paper Publication (International Journals)

1. T Sharma, A. K Mohapatra, G Tomar , “SDBMND: Secure Density-Based Unsupervised Learning Method with Malicious Node Detection to Improve the Network Lifespan in Densely Deployed WSN”, *Wireless Communications and Mobile Computing*, vol. 2022, Article ID 9494476, 15 pages, 2022. <https://doi.org/10.1155/2022/9494476>
(SCI Indexed, Scopus, INSPEC, SCImago, EI-Compendex, ACM digital library Impact Factor - 2.146)
2. T. Sharma, A. Balyan, R. Nair, P. Jain, S. Arora, F. Ahmadi, “ReLeC: A Reinforcement Learning-Based Clustering-Enhanced Protocol for Efficient Energy Optimization in Wireless Sensor Networks,” *Wireless Communications and Mobile Computing*, Article ID 3337831, 16 pages, 2022. <https://doi.org/10.1155/2022/3337831>
(SCI Indexed, Scopus, INSPEC, SCImago, EI-Compendex, ACM digital library Impact Factor - 2.146)
3. T. Sharma, A. K.Mohapatra, G.S.Tomar, Fuzzy-based Firefly and ACO Algorithm for Densely Deployed WSN, *Computer Assisted Methods in Engineering and Science*”, june,2022,pp-1-24,
Scopus Indexed
(ESCI Indexd , UGC care)
4. T. Sharma, A. K.Mohapatra, G.S.Tomar, “A novel SVM and LOF-based outlier detection routing algorithm for improving the stability period and overall network lifetime of WSN”, *International Journal of Nanotechnology*, accepted, online first article,
(SCI Indexed, Scopus, INSPEC, SCImago, EI-Compendex, ACM digital library
5. T. Sharma, A.K.Mohapatra, G.S.Tomar,” RC-DBSCAN: Redundancy Controlled DBSCAN Algorithms for Densely Deployed Wireless Sensor Network to prolong the network lifespan, *International Journal of Computer Application in Technology*,vol.66, no.2, pp. 192-208, 2022
(ESCI, Scopus indexed,Compendex, ACM Digital Libraray)
6. R Nair, P Sharma, T Sharma “Optimizing the Performance of IoT Using FPGA as Compared to GPU”, *International Journal of Grid and High Performance Computing* ,Vol. 14, no.1, pp 1-15, 2022.
(ESCI, Scopus Indexed)
7. G. S. Tomar, T. Sharma and B. Kumar, “Fuzzy Based Ant Colony Optimization Algorithms in Wireless Sensor Network,” *Wireless Personal Communication*, Springer, vol. 84, pp 361-375, 2015. ISSN: 0929-6212 (print version), ISSN: 1572-834X (electronic version)

(SCI Indexed, Scopus, INSPEC, SCImago, EI-Compendex, ACM digital library Impact Factor - 1.671) (Citations-25)

8. J.Y Kim, T. Sharma, B. Kumar, G.S.Tomar, K. Berry and W.H. Lee, "IC-ACO: Inter cluster Ant colony Optimization Algorithm for Wireless Sensor Network in Dense Environment," *International Journal of Distributed Sensor Network*, vol. 2014, pp. 1-10, ISSN:1550-1329(print),ISSN : 1550-1477 (online),
**(SCI Indexed, Scopus Indexed,EI Compendex, ACM Guide to Computing,Impact Factor -0.923)
(Citations-65)**
9. N. Anand, T. Sharma, K. Gaurav, "Face Recognition for Examinee Verification", *International Journal of Next-Generation Computing*", vol 13, no 3, pp. 386-395, 2022.
(ESCI Indexed , UGC care)
10. T. Sharma, N. Anand, K. Gaurav,R. Kapur, "Image Captioning Generator Text-to-speech", *International Journal of Next-Generation Computing*", vol 13, no 3, pp.449-458, 2022.
11. T. Sharma, G. S Tomar, R. Gandhi, S. Taneja and K. Agrawal, "Optimized Genetic Algorithms (OGA) for Homogeneous WSNs," *International Journal of Future Generation Communication and Networking*, vol.8, no. 4, pp. 131-140 2015.
<http://dx.doi.org/10.14257/ijfgcn.2015.8.4>.ISSN: 2233-7857,
(ESCI, ProQuest, ULRICH, EI Compendex)(Citations-10)
12. R. I. Doewes, R. Nair, T. Sharma," Diagnosis of COVID-19 through blood sample using ensemble genetic algorithms and machine learning classifiers, *World Journal of Engineering*, Vol. 19, No. 2, pp. 175-182. <https://doi.org/10.1108/WJE-03-2021-0174>
(SCOPUS, ESCI Indexed)
13. T. Sharma, A.K.Mohapatra, G. S Tomar, PSOAHA: Particle Swarm Optimization and Ant Colony optimization based hybrid algorithm for large Wireless Sensor Network, "International Journal of Grid and Distributed Computing" vol 13. No.2 , pp. 1293-1305, 2020, **(ESCI(Emerging Source Citation Index) , ProQuest, ULRICH, EI Compendex, Google Scholar)**
14. T. Sharma and B. Kumar, "F-MCHEL :Fuzzy Based Master Cluster Head Election Protocol in Wireless Sensor Network," *International Journal of Computer Science and Telecommunications*, vol 3, issue 10, pp. 8-13, October 2012, ISSN: 2047-3338
(DOAJ, Seek digital Library, Google Scholar, ProQuest, Global Impact Factor, Computer Science Directory, Index Copernicus)(Citatio-73)
15. T. Sharma, B. Kumar and G.S. Tomar, "Performance Comparison of LEACH, SEP and DEEC Protocols in Wireless Sensor Network," *International Journal of Advances in Computer Networks and its Security*, vol.2, issue1, pp 10-15, Apr 2012. doi:10.3850/978-981-07-1403-1 198 ISSN No.: 2250-3757
**Indexed in iseek Digital Libraries
(Citations-44)**
16. R. Nair, S. Nasrullah Zafrullah, P Vinayasree, P Singh, M Maher Abdul Zahra, T. Sharma, F. Ahmadi, "Blockchain-Based Decentralized Cloud Solutions for Data Transfer", *Computational Intelligence and Neuroscience*, vol. 2022, Article ID 8209854, 12 pages, 2022. <https://doi.org/10.1155/2022/8209854>,

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17. Hasan, T. Sharma, A. Khan, M. Hasan Ali Al-Abyadh, “Analysing Hate Speech against Migrants and Women through Tweets Using Ensembled Deep Learning Model”*Computational Intelligence and Neuroscience*, vol. 2022, Article ID 8153791, 8 pages, 2022. <https://doi.org/10.1155/2022/8153791> 2022,
**(SCI Indexed, Scopus, INSPEC, SCImago, EI-Compendex, ACM digital library
Impact Factor - 3.120)**
18. R Dwivedi, K. D Gupta, T. Sharma, R. Raizada, S. Yadav, V. Bhatia, “Analysing Trading Strategies And Forecasting Stock Prices Using LSTM”, *Journal of Theoretical and Applied Information Technology*, vol. 100 no. 15, pp 4834-4843, 2022.
(Scopus Indexd)
19. P. Dalal, T. Sharma, “Real - Time Object Detection in Video’s using YOLO v3”, *GIS Science Journal*, vol 9, no 11, pp 314-328, 2022.
(Scopus Indexed)
20. T. Sharma, P. Dalal, “Real-Time Object Detection using Web Camera through Caffè”, *GIS Science Journal*, vol 9, no 11, pp 299-313,2022.
(Scopus Indexed)
21. T. Sharma, R. Nair, S. Gomathi, “Breast Cancer Image Classification using Transfer Learning and Convolutional Neural Network”, *International Journal of Modern Research*, vol 2, no 1, pp 8-16, 2022.**(Google Scholar) (Citations-25)**

22. T. Sharma, A. Jain, A. Singh, “Object Detection of Images using convolutional Neural Network and Tensorflow”, *International Journal of All Research Education and Scientific Methods*, Vol 10, no 3, pp 1943-1950, 2022
(Google Scholar)
23. T. Sharma, A. Garg, D. Singhal, C. Mehndiratta, T. Gupta, “Food Image Classification Using Neural Network”, *International Journal of All Research Education and Scientific Methods*, Vol 11, no 4, pp 1943-1950, 2022
(Google Scholar)
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(Google Scholar)
25. T. Sharma, A. Ashri, N. Kumar, S. Pal, Rajat “Evaluation of Python Text Summarization Libraries” *International Journal of Engineering Development and Research*, Vol 9, no.1,pp. 159-164, 2021.
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26. Tripti Sharma, Aniket Bhardwaj, Abhishek Kumar Mishra, Nikhil, Recommender System Optimisation, *MSIT Journal of Research-SATYAM*, vol. 8. pp.27-30, ISSN No. 2319-7897, 2020
27. Tripti Sharma, Aniket Bhardwaj, Abhishek Kumar Mishra, Nikhil”Gesture Recognition System”, *MSIT Journal of Research-SATYAM*, vol. 8. pp. 62-67, ISSN No. 2319-7897, 2020

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33. T. Sharma, G.S. Tomar, I. Berry, A. Kapoor and S. Jasuja, "Cluster Head Election with Hexagonal Node Deployment Techniques in Wireless Sensor Network," *International Journal of Future Generation Communication and Networking*, vol.9, no.1, 2016. pp. 247-258 <http://dx.doi.org/10.14257/ijfgen.2016.9.1.22>ISSN: 2233-7857,
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35. T. Sharma, "Comparison of Ant Colony Optimization Algorithms for Routing Problems in Ad Hoc Networks," *Internnational Journal of Communication System and Network Technologies*, vol.4, no.2, pp. pp 93-97, 2015. **DOI- 10.18486/ijcsnt.2015.4.2.05** ISSN 2053-6283.
(DOAJ Indexed, Google scholar, Crossref)
36. T. Sharma, "Challenges and Design Metrics of Wireless Sensor Network: A Survey," *Internnational Journal of Communication System and Network Technologies*, vol.4, no.3, pp. 133-136, 2015. **DOI- 10.18486/ijcsnt.2015.4.3.05**,ISSN 2053-6283,
(DOAJ Indexed, Google Scholar, Crossref)
37. T. Sharma, "Review of Hierarchical Network Routing Protocols in Wireless Sensor Network," *International Journal of Communication System and Network*, vol. 5, no. 3, pp. 96-102, 2015 **DOI- 10.18486/ijcsn.2015.5.3.03**.ISSN 2234-8018,
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40. T. Sharma, R. Gandhi, S. Taneja and K. Agrawal, "WSN Protocols based on Genetic Algorithms: A survey," *Internnational Journal of Communication System and Network Technologies*, vol. 4. no. 3, pp-77-87, 2015, **DOI- 10.18486/ijcsnt.2015.4.3.05** ,ISSN 2053-6283, **(DOAJ Indexed, Google Scholar, crossref)**
41. T.Sharma,I.Berry,A.Kapoor,S.Jasuja,, "Hexagonal Node Deployment Technique in Wireless Sensor Networks", *International Journal of Communication System and Network*, vol. 5, no. 2, pp. pp 57-62, 2015,**DOI- 10.18486/ijcsn.2015.5.2.03**, ISSN 2234-8018, **(DOAJ Indexed, Google scholar)**
42. T. Sharma, "Force Directed Placement:GPU Implementation," *An International E-Journal on Emerging Trends in Science ,Technology*, vol. 1, no 2, pp. pp 10-14, Dec 2015.ISSN NO: 2454-1958 **(Directory of Science, Google Scholar)**
43. T. Sharma, "Routing in Wireless Sensor Network: A Survey," *Internnational Journal of Communication System and Network Technologies*, vol.4, no. 3, pp. pp 128-132, 2015. **DOI- 10.18486/ijcsnt.2015.4.3.04**,ISSN 2053-6283, **(DOAJ Indexed, Google Scholar, Crossref)**
(Indexed in :Directory of research journal ,Index Copernicus, DOAJ, Google Scholar)
44. T. Sharma and V. Navani, "Security in WSN: A Survey," *International Journal of Communication System and Network Technologies*, vol.4, no.2, pp. pp 88-92, 2015, **DOI- 10.18486/ijcsnt.2015.4.2.04**,ISSN 2053-6283 **(DOAJ Indexed, Google Scholar)**
45. T. Sharma, "Optimized Genetic Algorithm for Heterogeneous(OGAH) WSNs," *International Journal of Communication System and Network*, vol. 5, no. 2, pp. pp-66-72, 2015,**DOI- 10.18486/ijcsn.2015.5.2.05** ISSN 2234-8018 **(DOAJ Indexed, Google scholar)**
46. T. Sharma, B. Kumar, G.S. Tomar an I.Berry, "Particle Swarm Optimization based Cluster Head Election Approach for wireless Sensor Network," *International Journal of Smart Device and Appliance*, vol.2, no.2, pp 17-28, Dec 2014.),ISSN: 2288-8977. **(Crossref, Google Scholar)(Citations-05)**
47. T. Sharma, B. Kumar and G.S. Tomar, "FBRA: Fuzzy Based Redundancy Avoidance Protocol in Densely Deployed Wireless Sensor Network," *International Journal of Smart Device and Appliance*, vol.1, no.1, pp 1-16, Dec 2013. ISSN: 2288-897, **(Crossref, Google Scholar)(Citations-04)**
48. T. Sharma, B. Kumar and G.S. Tomar, "OCEA: An Optimal Cluster Energy Aware Routing Protocol for Wireless Sensor Networks," *International Journal of Emerging Sciences*, vol.3 no. 1, pp. 95-107, March 2013. ISSN: 2222-4254

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49. T. Sharma, B. Kumar and G.S. Tomar, "An Efficient Condensed Cluster Stable Election Protocol in Wireless Sensor Networks," *International Journal of Smart Device and Appliance*, vol.1, no.1, pp 17-28, Dec 2013, SSN: 2288-8977
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50. T. Sharma and B. Kumar, "An Efficient Condensed Cluster Stable Election Protocol in Wireless Sensor Network," *Satyam*, vol.1 no.1, 2013.ISSN: 2319-7897

Papers presented in Conferences

1. G. S. Tomar, T. Sharma, D. Bhattacharyya and T. H. Kim, "Performance Comparison of AODV, DSR and DSDV under Various Network Conditions: A Survey," *Proceedings of the 2011 International Conference on Ubiquitous Computing and Multimedia Applications*, pp 3-7, Daejeon, April 2011. DOI:[10.1109/UCMA.2011.9](https://doi.org/10.1109/UCMA.2011.9). Print ISBN: 978-1-4577-0571-7
(Publisher IEEE, Citations-37)
2. R. Bahl, C. M. Sharma and T. Sharma,"Effect of Traffic Interval on Buffering in Go-Back-2 Network in NS2, Asia International Conference on Modelling & Simulation, pp. 248-241, Kuala Lumpur, May 2011. DOI:10.1109/AMS.2011.53. Print ISBN: 978-1-4577-0193-1 **(Publisher IEEE)**
3. T. Sharma, B. Kumar and G.S. Tomar, "Performance Comparison of LEACH, SEP and DEEC Protocols in Wireless Sensor Network, "*Proceedings of UACEE International Conference of Advances in Computer Science and Electronics Engineering*, pp. 10-15, New Delhi, February, 2012.DOI: 10.3850/978-981-07-1403-1_198, Print ISBN: 978-981-07-1403-1**(Publisher UACEE, Citations-37)**
4. T. Sharma, B. Kumar, K. Berry, A. Dhawan, R. S. Rathore and V. Gupta, "Ant Based Cluster Head Election Algorithm in Wireless Sensor Network to Avoid Redundancy," *Communication System and Network Technologies (CSNT)*,pp 83-88, Bhopal, May 2014. DOI:10.1109/CSNT.2014.25., Print ISBN: 978-1-4799-3069-2 **(Publisher IEEE, Citations-16)**
5. T. Sharma, A.Narain, P.Handa, "Performance Comparison of AODV,DSR and DSDV routing protocol for WiMax mash Networks ," 2016 3rd International Conference on Computing for Sustainable Global Development (INDIACom) , **PP:2624-2627**, Print ISBN: 978-93-84935-45-0. 5, **(Publisher IEEE, Citations-1)**
6. T.Sharma, A.K.Mohapatra,G.S.Tomar" Fuzzy-Based DBSCAN Algorithm to Elect Master Cluster Head and Enhance the Network Lifetime and Avoid Redundancy inWireless Sensor Network", International Conference on Innovative Computing and Communications, New Delhi, **Feb 2020,pp.1031-1042,Print ISBN: 978-981-15-5147-** (Publisher Springer)
7. T.Sharma, A.K.Mohapatra,G.S.Tomar "AEECC-SEP: Ant-Based Energy Efficient Condensed Cluster Stable Election Protocol in Wireless Sensor Network", International Conference on Innovative Computing and Communications, New Delhi ,Feb 2020, pp-1125-113,Print ISBN:978-981-15-5148-5, (Publisher, Springer, Citation :01)

Awards and Recognitions

- **International Academic Excellence Award 2022** during Global Edu-Conclave 2022 held virtually on 25th December 2022 organized by International Institute of Organized Research - I2OR.
- **India's Top 100 Educator Award by the FOXCLUES** in recognition of her selfless contribution and for being a role model to everyone in the society.
- **Best Faculty of the Year 2021 Award** for Outstanding and exemplary contribution towards education, skill Development and Research in **16th RastriyaShiksha Gaurav Puruskar** from Center for Education, Growth and Reasearch
- **National Education Brilliance Awards 2022** in the category of Award for Excellence in Research on 15th May 2022, for Extraordinary Teaching Acumen, Continued Dedication & Contribution in the Field of Education.
- **INDIA PRIME ICON AWARD 2022** in the category of Education and Social Leadership by FOXCLUES.
- Received **Best Faculty Award** for the year 2015 in Maharaja Surajmal Institute of Technology.
- Received **Certificate of Appreciation** for the year 2014 for outstanding contribution in teaching and research in IT Department.
- **Certificate of Appreciation** from president SMES for outstanding result for 3 continuous years.
- University Topper in M.Tech, secured **GOLD MEDAL**.
- **Qualified GATE 2001** (Computer Science).
- Silver Medalist in **National Talent Test Search Competition** at school level.
- Got teaching assistantship during M. Tech.
- Three Time in the list of university's top-ten rankers in B.E.
- Reviewer of various international conference and Journals

Patent/Copyright

1. Dr. Tripti Sharma, Dr. Rinky Dwivedi, Dr Koyel Datta Gupta, Dr. Rekha Tripathi, Dr. Archana Balyan, Dr. Meena Rao "Method for authenticating and validating quick response code" published on 9April,2021 with application no. 202121010704 A.
2. Dr.Tripti Sharma et al., "IOT based Autonomous Post Pandemic HealthCare MonitoringSystem"published on 12/03/2021 with application no 202131006190.
3. Dr. Tripti Sharma et al., "Privacy Preserving Authentication and Key-Management Protocol for Health Information System" Grated on 21/04/2021 with application no 2021101195
4. A wearable sensor based customized menstrual cycle predictor with Application no 202111043930 date of filing28/9/2021 published on 15-10-2021.

5. A Blockchain based Interface for secret remote communication through a smartphone using wireless sensor network with Application no 202111043930 date of filing 15-01-2022 published on 11/02/2022.
6. Dr.Tripti Sharma et al. Internet of Things based Camera for Healthcare Management Design no. 370133-011, date of Registration 30/08/2022
7. Dr.Tripti Sharma et al. “Energy Saver Smart Shoes no. 343460-011, Date of Registration 14/05/2021

Book Chapter/Books published

1. “AECC-SEP: Ant-Based Energy Efficient Condensed Cluster Stable Election Protocol in Wireless Sensor Network” International Conference on Innovative Computing and Communications, Springer, Singapore,2020
2. DBSCAN Algorithm to Elect Master Cluster Head and Enhance the Network Lifetime and Avoid Redundancy in Wireless Sensor, Springer, Singapore,2020

Member of Professional Bodies:

ISTE Member

FDP attended

S No.	Name of Training	Name of Training Institution, City	Type of Training and FDPs	Period		Marks
				From	To	
1	AI and ML for Intelligent Applications Using Python and MATLAB	Maharja Surajmal Institute of Technology	FDP	21 st Feb 2022	25 th Feb 2022	10
2	Artificial Intelligence on System on Chip(SoC)	IIIT Delhi	ATAL-AICTE sponsored FDP	10 th Jan 2022	14 th Jan 2022	10
3	Internet of Things(IoT)- A Practical Approach	ABES Engineering college Gaziabad	ATAL-AICTE sponsored FDP	6 th December 2021	10 th December 2021	10
4	Recent Trends in Artificial Intelligence and	Maharja Surajmal Institute of	ATAL-AICTE sponsored FDP	29 th November 2021	3 rd December 2021	10

	its Applications	Technology				
5	Use of ICT in Engineering Education	Maharaja Surajmal Institute of Technology	AICTE-ISTE approved Orientation/Refresher Programme	07 th April, 2021	13 th April, 2021.	10
6	Block chain and Machine Learning	Gurukul Kangri Vishwavidyalaya , hARIDWAR	Short Term Training Course	29 th June 2020	03 rd July 2020	10
7	International online FDP on Recent Advances in Computer Science and allied Domains	SHARDA University Noida	FDP	8 th June 2020	12 th June 2020	10
8	Machine Learning Algorithms: Supervised Learning Tip to Tail	Albert Machine Intelligence Institute offered through Coursera	Training	May 2020	June 2020	20
9	“Indian Electricity Rules and Code of Practices”	NITTR KolKatta, held at MSIT	Short Term Training Course	16/12/2019	20/12/2019	10
10	ICT based Short Term Training Programme (STTP) on the topic of	NITTR Chandigarh, held at MSIT	Short Term Training Course	18/11/2019	22/11/2019	10
11	Contemporary Issues and Challenges in Management Education & Information Technology	MSIT, New Delhi	FDP	5 th Feb 2019	9 th Feb 2019	10
12	Open Source Technologies	NITTR Chandigarh, held at MSIT	Short Term Course	03 Dec 2018	07 Dec 2018	10
13	Data Science Using R through	NITTR Chandigarh, held	Short Term Course	26 th November	30 th November	10

	ICT	at MSIT		2018	2018	
14	STC on 4G & 5G through ICT	NITTR Chandigarh, held at MSIT	Short Term Course	19 September 2018	21 st September 2018	10
15	Classroom Communication through ICT	NITTR Chandigarh, held at MSIT	Short Term Course	28 May 2018	1 June 2018	10
16	Modelling and Simulation using MATLAB	NITTR Chandigarh, held at MSIT	Short Term Course	21 May 2018	25 May 2018	10
17	High Impact Teaching Skills	Conducted by WIPRO	Workshop	8 th Feb 2010	12 TH Feb 2010	10

S No.	Name of Training	Name of Training Institution, City	Type of Training and FDPs	Period	
				From	To
1	Use of ICT in Engineering Education	Maharja Surajmal Institute of Technology	AICTE-ISTE approved Orientation/Refresher Programme	07th April, 2021	3th April, 2021.
2	Recent Advancements and Challenges in IT	Maharja Surajmal Institute of Technology	FDP	08th March, 2021	12th March, 2021.
3	Data Analysis Using Pythron	Maharja Surajmal Institute of Technology	FDP	28 December 2020	1 st January 2021
4	Block chain and Machine Learning	Gurukul Kangri Vishwavidyalaya, hARIDWAR	Short Term Training Course	29 th June 2020	03 July 2020
5	International online FDP on Recent Advances in Computer Science and allied Domains	SHARDA University Noida	FDP	8 th June 2020	12 th June 2020
6	Machine Learning Algorithms: Supervised Learning Tip to Tail	Albert Machine Intelligence Institute offered through Coursera	Training	May 2020	June 2020
7	“Indian Electricity Rules and Code of Practices”	NITTR KolKatta, held at MSIT	Short Term Training Course	16/12/2019	20/12/2019
8	ICT based Short Term Training Programme (STTP) on the topic of	NITTR Chandigarh, held at MSIT	Short Term Training Course	18/11/2019	22/11/2019
9	Contemporary	MSIT, New Delhi	FDP	5 th Feb	9 th Feb 2019

	Issues and Challenges in Management Education & Information Technology			2019	
10	Open Source Technologies	NITTR Chandigarh, held at MSIT	Short Term Course	03 Dec 2018	07 Dec 2018
11	Data Science Using R through ICT	NITTR Chandigarh, held at MSIT	Short Term Course	26 th November 2018	30 th November 2018
12	STC on 4G & 5G through ICT	NITTR Chandigarh, held at MSIT	Short Term Course	19 September 2018	21 st September 2018
13	Classroom Communication through ICT	NITTR Chandigarh, held at MSIT	Short Term Course	28 May 2018	1 June 2018
14	Modelling and Simulation using MATLAB	NITTR Chandigarh, held at MSIT	Short Term Course	21 May 2018	25 May 2018
15	Wireless Networks through ICT	NITTR Chandigarh, held at MSIT	Short Term Course	22 May 2017	26 May 2017
16	New Paradigm in Software Engineering	MSIT, New Delhi	FDP	19 January 2017	
17	Emerging Trends in Information Technology	MSIT, New Delhi	FDP	29 th Feb 2016	4 th March 2016
18	Network Simulator	BSIT, New Delhi	FDP	19 th August 2012	
19	Intelligent tools for various Engineering Applications	MSIT, New Delhi	FDP	12 th April 2012	13 th April 2012
20	Internal Quality Auditors Training Programme	MSIT, New Delhi	Training Programme	March 02 2012	
21	Fuzzy Logic and Neural Networks: An Approach to soft computing	MSIT, New Delhi	FDP	4 th Nov 2011	5 th Nov 2011

Conferences/ Workshops/ Seminars/Webinars Attended

S No.	Name of Conferences/ Workshops/ Seminars	Name of Institution, City	Type of Conferences/ Workshops/ Seminars	Period	
				From	To
1	"Cyber Crime against women Challenges and Safety Measures"	Delhi State Legal Services Authority & Haryana State Legal Services, GGSIPU	webinar	27 July 2020	

2	Webinar on Internet of Things (IoT) – Industrial Perspective	BVICAM, New Delhi	webinar	11 July	
3	Handshaking on AI and Cyber Security	St. Joseph Institute of Technology, Chennai	Webinar	27 June 2020	
4	Stress Management during covid-19	IQAC, Jagannath University, Jaipur	Webinar	26 June	
5	Overcoming stress and Anxiety during COVID-19 Pandemic	Jointly organized by Rajkiya Engineering college Mainpuri and IPS College of Technology & Management Gwalior, India	International Webinar	24 June 2020	
6	Patent Filing and its Significance	IPS College of Technology & Management Gwalior, India	Webinar	26 June 2020	
7	Gender Bias & Stereotyping, Gender Equality & Woman Rights	Jagannath Gupta Institute of Engineering and Technology, Jaipur	Webinar	23 June 2020	
8	Energy Efficiency in Smart Building through IoT Sensor Integration	Magharaja Suarjmal Institute of Technology, New Delhi	Webinar	20 June 2020	
9	International Conference on Artificial Intelligence and Applications	Magharaja Suarjmal Institute of Technology	Conference	6 February 2020	7 February 2020
9	Advances on Speech Technology A Towards Intelligent Human Computer Interaction	MSIT, New Delhi	National Seminar	27 th November 2017	28 th November 2017
10	Paradigm Shift from developing to Developed India through - Digitization	MSI, New Delhi	National Conference	28 th July 2017	29 th July 2017
11	Implementation of Big Data and Hadoop	MSIT, New Delhi	Workshop	31 st October	1 st November 2014
12	Communication System and Network Technologies	NITTR Bhopal, Madhya pradesh	Conference	7 April	9 April
13	Publishing Connect conducted by Elsevier	GGSIU	workshop	11 September 2013	
14	Cloud computing and its components	MSIT, New Delhi	workshop	30 th October 2013	31 st October 2013
15	Human Values and Professional Ethics	MSIT, New Delhi	Workshop	4 th Feb 2012	
16	Data Mining-Research Issues, Recent Trends &	IGIT, GGSIPU	Workshop	4 th March 2011	5 th March 2011

	PASW Modeler 12.0 based Implementation				
17	Emerging Trends in Technical Education	MSIT, New Delhi	Seminar		
18	High Impact Teaching Skills	MSIT, New Delhi	Workshop	8 th Feb 2010	12 TH Feb 2010
19	High Impact Teaching Skills	MSIT, New Delhi	Workshop	8 th Feb 2010	12 TH Feb 2010
20	One day Data Mining Workshop using SPSS Clementine	AIT New Delhi	Workshop	27 TH Feb 2009	
21	New paradigm in Computing	Bhai Parmanand Institute	Seminar	25 February	
22	Teaching technique and Methodology	MSIT. New Delhi	Seminar	17 Jan 2004	

Other Contributions

- HOD–IT Department (July 2022 –August 2023)
- HOD–IT Department (December 2018 –August 2020)
- HOD–IT Department, Second Shift (August 2016–December 2016)
- HOD–IT Department (August 2008 –January 2013)
- MR-ISO (August 2013-217)
- Convener Exam cell (2016-2017)
- Teachers representative in Governing Body (Aug 2015-March 2017)
- Convener Technical Fest 2005 , 2019
- Convener Annual Day 2012, Convener for Annual Day 2012 for MSI, MSIT and MSIP.
- Co-Convener Annual day 2011, 2013, 2014,2015,2016,2017,2018,2019,2020
- In-charge Shri Ram Niwas Mirdha Memorial Lecture 2012
- NBA Coordinator (2017-2019)
- NAAC Core team member
- Convener Library Committee 2017-2019
- Co-convener-GGSIPU Academic Audit 2018-2019
- Co-convener-State fee regulatory committee 2018-2019
- Convener Software renewal committee 2021- till date
- Core committee member International Conference organized in MSIT ICAIA 2020.
- Other duties handled: Website In-charge, Software In-charge, Project Coordinator, Internet Incharge, Mentor, Proctor, Sports and cultural activities, FDP coordinator.
- One week FDP Co-cordinator in MSIT, 2016
- One week FDP Co-cordinator, NIITR Chandigarh, 2017

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