

Dr. SANGEETA

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Ph.D. from Delhi Technological University, Delhi

Total Experience: 16 Years

Teaching: 12 Years

Research: 4 Years

UGC-NET- JRF qualified in 2013

OBJECTIVE

Intend to build career with a leading organization having a good learning environment along with a team of committed & dedicated people, which will help me to explore myself and realize my potential.

ACADEMIC QUALIFICATIONS

- ❖ **Ph.D. from Delhi Technological University, Delhi in June 2020.**
- ❖ **UGC NET-JRF** qualified in Dec 2013.
- ❖ Master of Technology in Computer Science & Engineering, M.D.U. Rohtak, August 2006- July 2008, Grade A-(85%).
- ❖ Bachelor of Engineering in Information Technology, M.D.U. Rohtak, Sept 2002 – June 2006, Percentage 72.3%.
- ❖ Schooling: Class 10+2, CBSE May-2001, Percentage 65.8%.
- ❖ Schooling: Class 10, CBSE May-1999, Percentage 74.6%.

WORK EXPERIENCE

- ❖ **Associate Professor, MSIT Janakpuri**
1st September 2023 to till now.
Pay Scale=37400-67000+9000(AGP)
- ❖ **Assistant Professor, MSIT Janakpuri**
12 March 2021 to 30th August 2023.
Pay Scale=15600-39100+6000(AGP)
- ❖ **Assistant Professor, MSI Janakpuri**
27th August 2018 to 10 March 2021.
Pay Scale=15600-39100+6000(AGP)
- ❖ **Assistant Professor,
Vaish College of Engineering, Rohtak.**
01st Jan 2010 to 18th Aug 2014.
Pay Scale= 15600-39100 + 6000

❖ **Lecturer**

Vaish College of Engineering, Rohtak.

18th Aug 2008 to 31st Dec 2009

Pay Scale= 8000-275-13500

ACHIEVEMENTS

- PhD from DTU Delhi in Aug 2014 to Aug 2018.
- Quality Research excellence award in 2020
- Worked as a session chair in ICDAM held at Poland 2022.
- Worked as an active reviewer of reputed Journals and international and national conferences.
- JRF and SRF Fellowship award

REARCH WORK

Research Papers : 50List Attached(**Annexure -A**)
M. Tech. Thesis Guided : 11List Attached(**Annexure -B**)
Patents/Copyright : 05 List Attached(**Annexure -C**)
Books : 01 List Attached(**Annexure -D**)
Workshop/Seminar Attended : List Attached (**Annexure -E**)

**AREA of
INTEREST**

Reliability Modeling and Soft Computing
Discrete Mathematics

PERSONAL DETAILS

Name	Dr. Sangeeta
Fathers Name	Sh. Vijay Singh
Date of Birth	25-10-1984
Languages Known	English, Hindi
Correspondence Address:	Flat No 213, C4B, Janakpuri New Delhi-110058
Permanent Address	H.N. 414/22 Durga Colony Rohtak-124001



Dr. Sangeeta

Annexure - A

LIST OF JOURNAL PAPERS

S. No	Authors	Title	Journal	ISSN No	Indexing	Year	Score
1	Sangeeta, Sitender, Kapil Sharma and Manju Bala	New failure rate model for iterative software development	Automated Software Engineering	09288910, 15737535	SCI Indexed	2021	12
2	Sitender, Seema Bawa, Munish Kumar and Sangeeta	A comprehensive survey on machine translation for English, Hindi and Sanskrit languages	Journal of Ambient Intelligence and Humanized Computing	1868-5145 (Online)	SCI Indexed	2021	9
3	Vikram Rajpoot, Lalit Garg, M. Zahid Alam, Sangeeta	Analysis of machine learning based LEACH robust routing in the Edge Computing systems	Computers and Electrical Engineering	0045-7906.	SCI Indexed	2021	3.3
4	Sangeeta, Kapi 1 Sharma and Manju Bala	An Ecological Space Based Hybrid Swarm-Evolutionary Algorithm for Software Reliability Model Parameter Estimation	International Journal of System Assurance Engineering and Management.	09764348, 09756809	ESCI and Scopus	2020	14
5	Sangeeta and sitender	Comprehensive Analysis of Hybrid Nature-Inspired Algorithms for Software Reliability Analysis	Journal of Statistics & Management Systems	0972-0510	ESCI	2020	12
6	Sangeeta, Sitender et al.	Bioactivity, Chemical and Functional Characterization of Karaya Gum Sterculia	Neuro Quantology	1303-5150 (Online)	Scopus	2022	2
7	Sangeeta, Kapi 1 Sharma and Manju Bala	Reliability Analysis and Modeling of Green Computing Based Software Systems”	Recent Patents in Computer Science, June 2019	2666-2558E-ISSN:2666-2566	Scopus Indexed	2021	12

8	Sitender , Sangeeta	Operating Machines using Facial Expressions	Design Engineering toronto 0011-9342	00119342	Scopus	2021	8
9	Sitender , Sangeeta	Analyzing twitter data on COVID-19 Vaccines	Design Engineering Toronto	00119342	Scopus Indexed	2021	8
10	Sangeeta, Sitender	A Critical review of software reliability assessment	PalArchs journal of Archaeology of Egypt Egyptology	1567-214X (Online)	Scopus	2020	12
11	Sangeeta, Sitender	A new environmental factor based modeling: an approach to software reliability assessment	Journal of Solid State Technology	0038111X	Scopus	2020	12
12	Sangeeta,Kapi 1 Sharma and Manju Bala	A Quantitative Testing Effort Estimate for Reliability Assessment of Multi Release OSS Systems	Journal of Computational and Theoretical Nanoscience	ISSN: 1546-1955 (Print): EISSN: 1546-1963 (Online)	Scopus	2018	8
13	Sangeeta,Kapi 1 Sharma and Manju Bala	Magnetic Navigation based Optimizer: A New Optimization Algorithm for Software Reliability Model Parameter Estimation	Journal of Advanced Research In Dynamical and Control Systems	1943-023X	Scopus	2019	8
14	Dr Sitender and Dr Sangeeta	Pulmonary Fibrosis: A computer Vision for Medical Screening	Journal of Fundamental and comparative Research	2277-7067	UGC care	2022	4
15	Sangeeta Verma , Sangeeta Malik , Deepak Goyal, Dr. Pankaj Gupta	Secured Congestion Control in WSN	International Journal of Computer Science and Management Studies (IJCSMS)	2231-5268	Peer reviewed	2013	2
16	Sangeeta Verma, Sangeeta	Modified secure Congestion Aware Routing Protocol	International Journals of Engineering, Science & Mathematics (IJESM)	2320-0294	Google Scholar	2013	4

17	Aruna Berwal,Pankaj Gupta,Deepak , Sangeeta	Collision Avoidance using Hopfield Neural Network in WSN	International Journal of Engineering, Applied and Management Sciences Paradigms	2320-6608 (Online) Jr no.- 42582	Google scholar and UGC indexed	2013	2
18	Sachin Minocha , Deepak Goyal , Sangeeta Malik	Sybil Attack Detection and Recovery using Immune Collaboration Model in WSN	International Journal of Engineering Sciences Paradigms and Researches	2319 – 6564 Jr no. 42581	google scholar ugc Care	June vol 5 issue 1 2013	3
19	Manupriya, Sangeeta, Pankaj Gupta, Deepak Goyal	Detection of Network Layer Attacks in MANET'S using AODV	International Journal of Computer Science and Management Studies (IJCSMS)	2231-5268	Peer reviewed	2013	2
20	Sachin Minocha, Deepak Goyal , Sangeeta Malik	AIS in WSN: A review	International Journal of Computer Science and Management Studies (IJCSMS)	2231-5268	Peer reviewed	2013	3
21	Monika Malik , Sangeeta Malik , Pankaj Gupta	A Distance Vector Based Approach to place Stable Link in Mobile Networks	International journal of sciences	2305-3925 2410-4477	UGC care	2012	3
22	Preeti Goyal, Sangeeta Malik	Detection of Distributed Reflection DoS by using Rank Correlation	International Journal of Computer Science and Mobile Computing	2320-088X	UGC Approved	2014	4
23	Meena Kumari , Sangeeta Malik , Deepak Goyal , Pankaj Gupta	An Improved Leach Protocol to Enhance Network Life Time	International journal of sciences	2305-3925 2410-4477	UGC care	2012	2
24	Radhika, Sangeeta, deepak goyal	An Agent Based Approach to Avoid Selfish Node Dynamically in Mobile Networks	IJCSMS	2231-5268	Peer reviewed	2012	3

25	Sangeeta Malik, Sitender Malik	Improving security and Enhancing Energy Efficiency in Routing for WSN	IJCST	0976-8491 (Online) 2229-4333 (Print)	Peer reviewed	2012	6
26	Manisha Kumari, Mrs. Sangeeta	GSA based routing in MANET	International Journal of Computer Science and Mobile Computing	2320-088X	UGC Approved	2014	4
27	Preeti Goyal, Sangeeta Phogat and Deepak Goyal	A Rank Correlation Based Detection against Distributed Reflection DoS Attacks	International Journal of Computer Science & Management Studies	2231-5268	Peer reviewed	2014	3
28	Sangeeta, Manupriya	A probabilistic analysis approach for reliable transmission in MANET	International Journal of Advanced research in Computer Science and Software Engineering	ISSN 2277-128X (Online)	Google Scholar	2013	4
29	Monika Malik , Sangeeta Malik , Pankaj Gupta	A dynamic stable link placement approach to improve network throughput	Journal Of Sciences	2305-3925 2410-4477	Google Scholar/ DOAJ	2012	3
30	Simpy Ahlawat, Sangeeta Malik, Deepak Goyal	A Locally Repaired AODV Protocol for Secured Transmission using Cryptography Approach in MANETs	International Journal of Engineering, Applied and Management Sciences Paradigms	ISSN 2320-6608 (Online) Jr No. 42582	Google scholar and UGC indexed	2013	3

INTERNATIONAL CONFERENCE PAPERS

S. No	Date	Title of Conference	Title/Subject of presentation	Score
1	April 2017	Advanced science and technology letter/144/2017-18	Exhausting Meta heuristic Nature inspired approaches for the parameter estimation analysis of software reliability growth models	10
2	March 2016	IEEE sponsored conference(Computing for Sustainable Global development(Indiacon-2016)	Quality issues with big data analytics	15
3	March 2015	IEEE sponsored conference(Computing for Sustainable	A statistical View of software Reliability and modeling	15

		Global development(India-com-March 2015)		
4	Jan 2011	International conference on Science and Engineering(ICSE-11 vol-1),R.G.education Society(Regd.,Rohtak)	“Security in different management domains of MANET”	15
5	Jan 2011	International conference on Advanced Computing &Communication Technology(ACCT-11),vol1,R.G.education Society(Regd.,Rohtak)	“Machine Learning: Machine Translation”	15
6	Oct-2009	International conference on Wireless network and embedded systems vol-2,CIET,Punjab.	Polling overhead optimization in MAC	15
7	25-26 June 2022	ICDAM, Poland	Effect of GloVe, Word2Vec and FastText Embedding on English and Hindi Neural Machine Translation Systems	15

NATIONAL CONFERENCE PAPERS

S. No	Date	Title of Conference or Institute Presented	Title/Subject of presentation	Score
1	June 2011	National level conference on innovative computing technologies.	Vehicular adhoc networks enhancement using position based routing geographic forwarding approach	10
2	9 July 2011	National Conference on advances in computational Intelligence	Energy efficient and secure routing in WSN	
3	May 2011	national conference organized NC College of Engg, Israna Panipat	A Comparative Study of Position Based , Map Based and Topology Based Protocols In Vehicular Networks	10
4	June 2010	National conference on Advanced Computing and communication Technology(ACCT_2010),VCE, Rohtak Haryana.	“Software Reuse development in UML Diagrams”	10
5	23 Feb, 2019	National conference on “India’s Yes to Mega Reforms: Issues and Challenges and Implications”	“E-Commerce System: Quality Aspects”	10
6	June - 2009	National conference on Information Security and network (ISAN-2009)CIET,Punjab.	“Securing Data Transmission in Wireless Sensor Networks Using LSFR”	10

7	June - 2009	National conference on Information Security and network (ISAN-2009)CIET,Punjab.	“Performance Optimization of WLAN MAC”	10
8	June 2010	National conference on Advanced Computing and communication Technology(ACCT_2010),VCE, Rohtak Haryana.	“Impact of Natural Language Processing”	10
9	May 16-17 2019	Quality assurance in higher education :Practices and issues	Quality Perspectives of online trading:National International Look	10

ANNEXURE-B
M.TECH. THESIS GUIDED

Sr. No	Thesis Title	Student Name	Degree Awarded
1	A directional analysis based approach to place stable links in Mobile networks	MONIKA	YES (2012)
2.	An improved leach protocol to enhance network life	MEENA KUMARI	YES(2012)
3	An agent based approach to avoid selfish node dynamically in Mobile Networks	RADHIKA GARG	YES(2012)
4	A Probabilistic Analysis Approach for Reliable Transmission in MANET	MANUPRIYA	YES(2013)
5	Clustering Approach for Enhancing Network Energy Using LEACH Protocol in WSN	Ankit Gupta	Yes(2013)
6	Discriminating DRDoS attack using Rank Correlation Algorithm	Preeti Goyal	YES(2014)
7	GSA based routing mobile ad hoc network	Manisha Kumari	YES(2014)
8	Modified secure congestion control in wireless sensor networking	SANGEETA	2013
9	VEHICLE INSURANCE	ALPANA DAHIYA	YES(2009)
10	A Locally Repaired AODV Protocol For Secured Transmission Using Cryptography Approach in MANETs	SIMPY AHLAWAT	YES(2013)
11	Energy efficient secure routing in wireless sensor network	MADHU DAHIYA	YES(2009)

ANNEXURE -C
PATENTS AND COPYRIGHT

PATENTS

GRANTED :

PATENT1: Air Quality Index Prediction and Forecasting System based on Internet of Things and Machine Learning, file no: 20 2022 104 292.6, registered date : 04/11/2022, Germany

PUBLISHED:

PATENT1: Real Time Tracking solution for the logistics in a hospital using IOT, file no: 202211061240, filing date: 27/10/2022, Publishing date:18/11/2022

PATENT2: Blueprint of Green sustainable and clean renewable energy, File No. 202211030282, published on :03/06/2022

PATENT3: System and Method for estimating reliability of software developed under latest software development lifecycle, file no. 202111008557, published on 05/03/2021.

PATENT 4: IOT based smart voting system for pandemic spread mitigation, file no. 202141006912, published on 26/02/2021.

COPYRIGHT

COPYRIGHT 1: copyright on DIAGRAM ON EVOLUTION OF SOFTWARE RELIABILITY GROWTH MODELS registration number L-104055/2021.

ANNEXURE-D

BOOK PUBLISHED

PUBLISHED BOOK TITLE:

Book1:

Sangeeta and Sitender, “Practices Towards Future Software Reliability Growth Model Evolution”, 2021. ISBN no.-978-81-942171-8-3, AKN Learning Publisher

Book 2:

Sitender and Sangeeta, “Future Perspectives of Machine Translation for Indian Languages”, 2023. ISBN No.- 9789394336261, JSR Publisher

ANNEXURE-E **SEMINAR / WORKSHOP**

Sr. No.	Title	Organized and Attended
1	Organized FDP on Data Science	Ay MSIT from 15 Nov to 26 Nov 2021
2	Organized Seminar on CV Writing and PI Basics	Organized at MSIT DELHI on 15 th March 22
3	Organized Seminar on Machine Learning with Artificial Intelligence	Organized on 11 March 2022 at MSIT Delhi
4	Organized Seminar on Career Opportunities in Machine Learning	Organized on 14 th March 2022 at MSIT Delhi
5	Organized Seminar on How to crack the Best Job Offers or Land the Right Program Admits in Abroad and India	Organized on 7 th October 2022 at MSIT Delhi
6	Organized Seminar on “Interaction with a senior”	2 nd Nov 2022 at MSIT Delhi

7	Organized Seminar on “Introduction to Machine Learning”	13 Dec 2022 at MSIT Delhi
8	Organized Workshop on “Data Analytics and Data Science”	23 rd Dec, 2022 at MSIT Delhi
9	Organized Seminar on Road to Global/MIM, MBA program through GRE or GMAT ”	30 th Dec 2022
10	Organized Seminar on Exciting Carrier opportunity after Engineering	17 th March 2023

