

<b>Contact</b> 9811468541 (Home) sachinbhoomi@gmail.com  www.linkedin.com/in/drsachingupta	<b>Dr. Sachin Gupta</b> Professor and Dean Academics at MVN University Delhi	
--------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------



They say if you are passionate about the profession that chose you, everyday at work would seem to be an excursion. Teaching while learning is my passion. We CS faculty are stereotyped with possessing only theoretical knowledge and I love to prove people wrong.

I believe that you can prepare employable graduates if only you get hands on with coding, projects and keep evolving with technology changes. You cannot just mentor with ideas, as a faculty you have to be the team lead for your students, working on their project as a senior member, setting the goals, helping them with code, correcting courses and be there when they are stuck.

Not only will you earn in-depth knowledge of the technology you have worked with, you get “Friends For Life” in your students. Teaching and technology have fascinated me since the graduation years and having spent 19 years in the field of technology education, designing curriculum and managing faculty teams, I feel it's been a blissful journey.

A detailed summary of my academic and professional journey is enclosed below, for your kind perusal. Please feel free to contact me for any further details and references.

Thanks in advance, for your kind consideration of my profile.

## **Detailed Resume**

1. Candidate's Name in full : Prof (Dr.) **SACHIN GUPTA**
2. Date of Birth : **16**(Day) **09**(Month) **1978**(Year)
3. Father's Name : Sh. Suresh C Gupta Ph.No. 9891560916
4. Mother's Name : Mrs. Madhu Gupta
5. Nationality : Indian
6. Marital Status : Married Sex : Male
7. Spouse Name (*if applicable*) : Mrs. Bhoomi Gupta Ph.No. 9990111970
8. Permanent Residential Address : F-52, FIRST FLOOR, RAJOURI GARDEN,  
NEW DELHI PIN: 110027
9. Address for Correspondence : F-52, FIRST FLOOR, RAJOURI GARDEN,  
NEW DELHI PIN: 110027
10. (a) Telephone No. : 011-25469311 Aadhar No. 633632252001  
(b) Mobile: 9811468541, 9990111970
11. E-mail: sachinbhoomi@gmail.com
12. Category (SC/ST/OBC/Gen): General
13. Present Post : **Academic** Professor, CSE and **Administrative** Dean Academics & Research
14. Designation & complete Postal Address : MVN University, Delhi-Agra Highway (NCR),  
Haryana-121105



15. Educational Qualifications:

**(A) Academic**

Examination	Board / University	Year of Passing	Division	Percentage	Subjects
10 <sup>th</sup>	C.B.S.E New Delhi	1994	I	84.4%	Eng,Hindi,Maths,Science,S.St.
10+2	C.B.S.E New Delhi	1996	I	79.4%	Eng, Physics, Chemistry, Mathematics, Mech.Drawing
<b>B.Sc</b>	Deen Dayal Upadhyaya College (Delhi University)	1996-1999	I	66.2%	Computer Science
<b>MCA</b>	IET, Lucknow University	1999-2002	I	83%	Computer Science
<b>M.Tech</b>	GGSIU, Delhi	2003-2006	I	80%	Information Technology
<b>M.Phil</b> (Computer Science)	Madurai Kamraj University (MKU) DDE	2006-2007	I	71%	Computer Science
<b>Ph.D.</b> (Computer Science Engineering)	IK Gujral Punjab Technical University, Jalandhar, Punjab.	March 2016	Title of the thesis-  Security And QoS in Wireless Sensor Networks. under the Guidance of Dr. (Prof) Rattan K. Datta, Director, MERIT, Delhi		

16. Experience

Experience	Name of organization	Period	Designation	Scale of Pay Rs.	Basic Pay (Rs.)	Nature of work	Total No. of years
Teaching	MVN University, Palwal, Haryana	24-07-2015 Till date.	Professor	37400-67000	37400	Teaching, Administration, Reporting to upper management	19 years
	Dronacharya College of Engineering	07-08-2008 To 21-01-2015	Associate Professor	37400-67000	37400	Teaching, Administration,	

			and Head of Department (CSE department)			Reporting to upper management	
	Chander Prabhu Jain College of Higher Studies	30-07-2007 to 01-08-2008	Associate Professor (Computer Science department)	12000-18300	12000	Teaching, Administration, Reporting to upper management	
	Delhi Institute of Advanced Studies	12-01-2004 to 29-07-2007	Lecturer (Computer Science department)	8000-13500	8825	Teaching	
	Institute of Information Technology and Management	01-08-2002 to 31-12-2003	Lecturer (Computer Science department)	8000-13500	8275	Teaching	
Administration	I have never taken up a purely administrative post due to my inclination for academics, however I have handled administrative responsibilities as Dean Academics, Department Head and managed academic teams (comprising faculty / lab staff / system administrators) of size ranging from 10 to 90 people since 2007 running a parallel academic administrative profile for 11 years.						
Research	Prior to joining my present employer, I have managed all research activities at the IK Gujral Punjab Technical University, <b>as a research scholar</b> under the Guidance of Dr. (Prof) Rattan K. Datta, Director, MERIT, Delhi from year <b>2009 to 2016</b> . After completion of my doctorate in March 2016, I am associated with research guidance of 8 PhD Scholars in my present employment.						

#### Suitability for the New Programs as a faculty:

Having completed the hands-on ML courses on Kaggle.com , I am confident that I can teach the ML topics both in theoretical foundations and help the students with hands-on lab work.

## Your Courses

Active Completed



### Python

Congratulations, you did it! Your certificate is ready.

 [View Certificate](#)



### Intro to Machine Learning

Congratulations, you did it! Your certificate is ready.

 [View Certificate](#)



### Intermediate Machine Learning

Congratulations, you did it! Your certificate is ready.

 [View Certificate](#)



### Feature Engineering

Congratulations, you did it! Your certificate is ready.

 [View Certificate](#)

Active Completed



### Machine Learning Explainability

Next up: [SHAP Values](#)



I am sure I shall be an asset to any organization with my rich curriculum development experience and a fair knowledge of almost the full stack of the web (HTML, CSS, JS, PHP, MySQL) , foundational clarity of core computer science concepts on algorithms, data structures, operating systems, cloud, big data and blockchain. I try to continuously improve the topics that I know and with the core concepts being strong, I am confident that I can learn what is needed for me to teach on a fast curve.

**Industry Consultancy :** I have been associated with the **DcodeAi.com**, an EdTech platform focussing on AI education as an external consultant for content moderation as per App scope and audience suitability and have successfully helped in delivery of all six modules including the following:

- Statistics
- Python
- Artificial Intelligence
- NLP
- Computer vision
- Machine Learning

The app is available on Google Playstore as DcodeAI.

Mr. Ashish Aggarwal, Director Dcodeai.com can be contacted for a referral. (9871253121, ashish.aggarwal@dcodeai.com)

## 17. Research Guidance/ Supervision

### a) Ph.D. Supervision

Number of Ph.D. Students (in Computer Science Engineering) currently under supervision: **8**  
**(Broad Areas – Social Media Security, Healthcare Analytics, Blockchain, Machine Learning, Big Data Veracity)**

Number of Ph.D. Students (in Computer Science Engineering) (Completed) : **6**

Registered Under: MVN University, Delhi-Agra Highway (NCR), Haryana-121105

S. No.	Name of Scholar	Topic	Year
1	VRINDA SACHDEVA	Study of Attack Taxonomy and Development of a novel security framework in NOSQL Databases	2019
2	SNEH KALRA	Evaluating the performance of Data Mining algorithm for Big Data Analysis (Used Machine Learning for Stock Market sentiment analysis)	2019
3	MANPREET SINGH	Novel Hidden Web Data Extraction Tool Design & its Comparative Study	2020
4	MALA YADAV	Optimizing Live Migration Scheduling to Minimize Overhead in Data centre	2020
6	RITU SACHDEVA	Novel Focused Web Crawler for Anti Spamming Approach and Fast Query Retrieval	2020
6	VINAY KUMAR SAINI	Trust-based Blockchain records for improving Supply Chain process	2020

#### b) M.Tech Supervision

i. Number of Students **already awarded with M.Tech degree**: **6**

ii. Number of M.Tech. Students currently under supervision (Computer Science Engineering):**3**  
 (Areas : Sentiment Analysis, Networking using NS2)

Registered Under: MVN University, Delhi-Agra Highway (NCR), Haryana-121105

Details:

S.No	Session	M.Tech	Title of Thesis	Name of students	Date of award
1.	2015-2017	<b>M.Tech</b>	Triple Security in cloud computing	Aakansha Sharma	June 2017

2.	2015-2017	<b>M.Tech</b>	Improving QoS of WSN using low cost routing	Neeraj Kumari	June 2017
3.	2015-2017	<b>M.Tech</b>	Mitigating Attacks on WSN using Lightweight Encryption Algorithms.	Sapna Kaushik	June 2017
4.	2015-2017	<b>M.Tech</b>	Analyzing Sink Hole Attack in WSN.	Varsha Rani	June 2017
5	2015-2017	<b>M.Tech</b>	Mitigating Jamming Attacks and improving Performance in MANETs	Jagat Singh	October 2017
6	2015-2017	<b>M.Tech</b>	An improved AODV routing protocol in VANET through active timeout method.	Priyanka Mittal	December 2017

## 18. Patents and Publications

### 18.a - Patent Publications

1. Patent Published - VOICE CONTROLLED WRITING INSTRUMENT USING MACHINE LEARNING [Patent Details](#)
2. Patent Published - METHOD OF LOAD DISTRIBUTION BALANCING FOR FOG CLOUD COMPUTING IN IOT ENVIRONMENT [Patent Details](#)
3. Patent Granted - SYSTEM FOR SECURE AUTHENTICATION AND INTER-COMMUNICATION AMONG NETWORKED IOT DEVICES [Innovation Patent Details](#)

### 18.b Research Publications

#### Research Contributions for 2021 (accepted / published and under publication)

#	Authors	Title	Conference/Book	Status
1	Sachin Gupta, Bhoomi Gupta	Concept drift aware modeling for online learning engagement data using Adaptive Windowing	ICCCS 2021 - ITS Engg College	[REVIEW]
2	Sachin Gupta and Babita Yadav	Economics of immutability preserving streaming healthcare data storage using aggregation in blockchain technology	SmartCom 2022 - Springer	[Accepted] <a href="https://link.springer.com/book/9789811699689">https://link.springer.com/book/9789811699689</a>

3	Sachin Gupta, Bhoomi Gupta and Atul Rana	A comparative cost analysis of organizational network security test lab setup on cloud vs dedicated virtual machine	SmartCom 2022 - Springer	[Accepted] <a href="https://link.springer.com/book/9789811699689">https://link.springer.com/book/9789811699689</a>
4	Sachin Gupta and Bhoomi Gupta	Insights into the Blackbox Machine Learning Models through Explainability and Interpretability	SmartCom 2022 - Springer	[Accepted] <a href="https://link.springer.com/book/9789811699689">https://link.springer.com/book/9789811699689</a>
5	Bhoomi Gupta, Vanshika Wadhwa and Sachin Gupta	AI based Automated Image Caption Tool Implementation for Visually Impaired	ICIERA - MAIT - IEEE	[Published] <a href="https://ieeexplore.ieee.org/document/9726759">https://ieeexplore.ieee.org/document/9726759</a>
6	Bhoomi Gupta and Sachin Gupta	Energy Anomaly Detection and Modelling on Smart Premises using SDAR	ICIERA - MAIT - IEEE	[Published] <a href="https://ieeexplore.ieee.org/document/9726730">https://ieeexplore.ieee.org/document/9726730</a>
7	Bhoomi Gupta, Sambhav Gupta and Sachin Gupta	A Novel Method for Technical Candidate Assessment using Github Repository Inspection Automation	ICEEICT - K. Ramakrishnan College of Engineering, Trichirappalli- IEEE	[ACCEPTED]
8	Babita Yadav and Sachin Gupta	Health Care Transformation Traditional to Telemedicine : A Portrayal	ETCCS 2021	[ACCEPTED] <a href="https://link.springer.com/book/9789811902833">https://link.springer.com/book/9789811902833</a>
9	Sachin Garg, Sachin Gupta and Bhoomi Gupta	Impacts of Blockchain on Digital Marketing	Worlds4 2021 - Springer	[PUBLISHED] <a href="https://link.springer.com/chapter/10.1007/978-981-16-6309-3_21">https://link.springer.com/chapter/10.1007/978-981-16-6309-3_21</a>
10	Bhoomi Gupta, Sachin Gupta and Vinay Kumar Saini	Data Security for Collaborative Business Intelligence	Book Chapter - Decision Analytics for Sustainable Development in Smart Society 5.0	[ACCEPTED] <a href="https://link.springer.com/book/9789811916885">https://link.springer.com/book/9789811916885</a>
11	Sachin Gupta, Babita	Security of IoT based e-Healthcare Applications using Blockchain	Book Chapter -Advances in Blockchain	[ACCEPTED] <a href="https://link.springer.com/book">https://link.springer.com/book</a>



	Yadav and Bhoomi Gupta		Technology for Cyber Physical Systems	<a href="https://doi.org/10.1109/ISPPCC.2021.9609359">ok/9783030936457</a>
12	Prashant Kumar; Sachin Gupta; Rajeev Ratan	Approaches on Medical Image Watermarking Using Big Cordial Data in Network of Network	Published in: 2021 6th International Conference on Signal Processing, Computing and Control (ISPCC)	DOI: 10.1109/ISPPCC.2021.9609359
13	Prashant Kumar; Sachin Gupta; Rajeev Ratan	New Ultrasound Image Watermarking Enhancement algorithm for cardiovascular disease	Published in: 2021 6th International Conference on Signal Processing, Computing and Control (ISPCC)	DOI: 10.1109/ISPPCC.2021.9609363
14	Sachin Garg, Sachin Gupta and Bhoomi Gupta	Issues and challenges with fake reviews in Digital Marketing	DoCSCI - MAIT - IEEE	[REVIEW]

### 18.c Publications upto 2020

Publications	Published
a. Books and Chapters	<ol style="list-style-type: none"> <li><b>Book: Security and QoS in Wireless Sensor Network;</b> Evincepub Publishers; ISBN: 978-1-5457-1656-4; December 2017.</li> <li><b>“DEADLOCKS”</b> in MCS-OS (ISBN-81-266-2421-3) in IGNOU.</li> <li><b>“Security and Protection”</b> in MCS-OS (ISBN-81-266-2430-2) in IGNOU in May 2006.</li> <li><b>“CASE STUDY: UNIX”</b> in MCS-Operating System (ISBN –81-266-2441-8) in IGNOU</li> <li><b>“PostGreSQL”</b> in MCS- Advanced DBMS (ISBN –81-266-0861-7) in IGNOU</li> <li><b>“Security Algorithms in Distributed DBMS”</b> in MCS-Advanced DBMS (ISBN –81-266-0861-6) in IGNOU.</li> <li><b>“W3C Standards and Practices”</b> in ACIS-W3C Compliance in IGNOU.</li> <li><b>Together with Computer Science(C++) -12,</b> Rachna Sagar Publications; ISBN 978-93-86500-32-8</li> <li><b>Together with Computer Science(Python),</b> Rachna Sagar Publications; ISBN 978-93-86500-33-5</li> <li><b>Together With- Computer Applications-9,</b></li> </ol>

	<p>Rachna Sagar Publications; ISBN 978-93-86585-43-1</p> <p><b>11. Together with Computer Science(C++) -11,</b> Rachna Sagar Publications; ISBN 978-93-86500-55-7</p> <p><b>12. Together With - Computer Applications-10,</b> Rachna Sagar Publications; ISBN 81-8137-076-7</p> <p><b>13. Securing Honey Supply Chain through Blockchain: An Implementation View,</b> Dr. Bhoomi Gupta, Dr. Sachin Gupta, Chapter Contributed to - IoT Security Paradigms and Applications, Series Title: "Computational Intelligence in Engineering Problem Solving", CRC Press (Taylor and Francis Group), ISBN 9780367514969, October 2020.</p> <p><a href="https://www.routledge.com/IoT-Security-Paradigms-and-Applications-Research-and-Practices/Sharma-Bhushan-Debnath/p/book/9780367514969">https://www.routledge.com/IoT-Security-Paradigms-and-Applications-Research-and-Practices/Sharma-Bhushan-Debnath/p/book/9780367514969</a></p>
<b>b. Papers/ Reviews/ Articles</b>	<ul style="list-style-type: none"> <li>• <b>"A Contemporary Analysis of Hate Speech in Political Context", Priya and Dr. Sachin Gupta,</b> Turkish Journal of Computer and Mathematics Education Vol.12 No.9 (2021), 2513– 2520 <a href="https://www.turcomat.org/index.php/turkbilmat/article/view/3734">https://www.turcomat.org/index.php/turkbilmat/article/view/3734</a></li> <li>• <b>"Use of ICT for Disaster Relief Distribution Across Hostile Terrain."</b> during the <b>International Conference</b> on the theme "Exploring the Applications of Solidarity Approach in Geography" held on April 05-06, 2021, organized by the Department of Geography, Shaheed Bhagat Singh College, University of Delhi - <b>Awarded Best Paper</b> <a href="#">Certificate for Best Paper</a></li> <li>• <b>"A novel focussed crawler with anti-spamming approach and fast query retrieval", RITU SACHDEVA, DR. SACHIN GUPTA</b> International Conference on Inventive Computation and Information Technologies (ICICIT 2020), 24–25 September 2020. Published - Lecture notes in networks and systems [Springer] DOI 10.1007/978-981-33-4305-4_25 <a href="https://www.springer.com/gp/book/9789813343047">https://www.springer.com/gp/book/9789813343047</a></li> <li>• <b>"Predicting Trends of Stock Market using SVM"</b> Kalra S., Gupta S., Prasad J.S. (2020) Predicting Trends of Stock Market Using SVM: A Big Data Analytics Approach. In: Batra U., Roy N., Panda B. (eds) Data Science and Analytics. REDSET 2019. Communications in Computer and Information Science, vol 1229. Springer, Singapore. <a href="https://doi.org/10.1007/978-981-15-5827-6_4">https://doi.org/10.1007/978-981-15-5827-6_4</a> <a href="https://link.springer.com/chapter/10.1007/978-981-15-5827-6_4">https://link.springer.com/chapter/10.1007/978-981-15-5827-6_4</a></li> <li>• <b>"Basic NOSQL Injection Analysis And Detection On MongoDB"</b> V. Sachdeva and S. Gupta, "Basic NOSQL Injection Analysis And Detection</li> </ul>

On MongoDB," 2018 International Conference on Advanced Computation and Telecommunication (ICACAT), Bhopal, India, 2018, pp. 1-5, doi: 10.1109/ICACAT.2018.8933707. [IEEE]

<https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=8933707&isnumber=8933531>

- **"Blockchain in Supply Chain: Journey from Disruptive to Sustainable"**, Mr. Vinay Kumar Saini, Dr. Sachin Gupta, JOURNAL OF MECHANICS OF CONTINUA AND MATHEMATICAL SCIENCES, Journal Vol – 14 No -2, April 2019  
<https://doi.org/10.26782/jmcms.2019.04.00036>
- **"Traceability and Optimization over Merkle Tree"** Mr. Vinay Kumar Saini, Dr. Sachin Gupta, Dr. Bhoomi Gupta, Journal of Xi'an University of Architecture & Technology, Volume XII, Issue III, 2020 [Scopus]  
<https://www.xajzkjdx.cn/gallery/389-mar2020.pdf>
- **"Blockchain Framework for cyber-physical systems: Reengineering approach"** , Mr. Vinay Kumar Saini, Dr. Sachin Gupta, Dr. Bhoomi Gupta, International Journal of Future Generation Communication and Networking, Vol. 13, No. 4, (2020), pp. 1461–1467 [ESCI]  
<https://sersc.org/journals/index.php/IJFGCN/article/view/32845/18127>
- Mala Yadav & Sachin Gupta (2020) **"Hybrid meta-heuristic VM load balancing optimization approach"**, Journal of Information and Optimization Sciences, 41:2, 577-586, DOI: [10.1080/02522667.2020.1733190](https://doi.org/10.1080/02522667.2020.1733190) [Scopus]  
<https://www.tandfonline.com/doi/abs/10.1080/02522667.2020.1733190>
- **"A Novel Approach for Multi Exposure Image Fusion Using Deep Learning"**, 14-Special Issue, 2018, Journal of Advanced Research in Dynamical and Control Systems, ISSN: 1943-023X, (Scopus)  
(<https://www.jardcs.org/backissues/archives-special.php?year=2018&issue=14-Special%20Issue&page=19>) <https://www.scopus.com/sourceid/20500195215>
- **a "A Literature Survey on Page Rank Algorithm"**, published in ICDMTE-2018 & International Journal of Scientific & Engineering Research Volume 9, Issue 5, May-2018 9 ISSN 2229-5518 (a UGC Approved Journal)  
<https://www.ijser.org/iccae-2018-conference-papers.aspx>

- a “ **A Novel Algorithm for Enhancing Search Engine Optimization**” in International Journal of Engineering and Advanced Technology(IJEAT)“, ISSN No.- 2249-8549 (Scopus) Volume-8 Issue-4C, April 2019  
(<https://www.ijeat.org/wp-content/uploads/papers/v8i4c/D24200484C19.pdf>)
- a “**Demystifying Nosql databases : Attack of code injection**” published in Journal of advance research in dynamical and control systems (JARDCS) 2018 on (Scopus) **Issue:** 09-Special Issue **Year:** 2018 **Pages:** 2536-2544 (<https://www.jardcs.org/backissues/abstract.php?archiveid=6858>)  
<https://www.scopus.com/sourceid/20500195215>
- a “**Vulnerability Assessment For Advanced Injection Attacks Against MongoDB**” published in journal of mechanics of continua and mathematical sciences, volume-14 , no -1, January-February (2019) pp 402-413.  
**Web of Science (ESCI)**  
<https://doi.org/10.26782/jmcms.2019.02.00028>
- ‘**ICT Implementation - GIS and Smartphone Application for disaster evacuation**’ , proceedings of ICICCT\_2017; International Conference on Information, Communication and Computing Technology-2017, year 2017, page no. 6-16, ISSN No. 978-93-86647-85-6
- a **Security and Quality of Service Improvement In Wireless Sensor Networks**, International Journal of Mobile & Adhoc Network, Vol 4, issue 3, Aug. 2014, ISSN (Print):2231:2153, ISSN (Online):2230:9039
- **Bio-Inspired Algorithms: A survey for Wireless Sensor Networks**; in Dronacharya College Of Engineering In AICTE-Sponsored National Seminar on July 21, 2009; published in Dronacharya Research Journal, page no. 111-117: ISSN No, 0975-3389.

	<ul style="list-style-type: none"> <li>● <b>‘MANETS: challenges and Opportunities’</b> in Bi annual conference ‘Coeval Sapience’ at CPJ College of Higher Studies, Delhi on 12 June 2008.</li> <li>● <b>‘Performance Enhancement of Mobility in Adhoc Networks’ Opportunities’</b> in Bi annual conference ‘Coeval Sapience’ at CPJ College Of Higher Studies, Delhi on 10-12- 2007</li> <li>● <b>QOS improvement in Adhoc Networks Using Virtual Nodes; page no. 50-56</b> in Apeejay Business Review (Vol VI-VII, No. I, II), ISSN no. 0974-1798 and presented it in national conference in Apeejay Institute of Technology And Management, Delhi in August 2006.</li> </ul>
	<ul style="list-style-type: none"> <li>● a Sneh Kalra and Dr. Sachin Gupta, <b>“Performance Evaluation of Machine Learning Classifiers for Stock Market Prediction in Big Data Environment”</b> Published - Journal of Mechanics of Continua and Mathematical Sciences - Web of Science - for Vol – 14, No – 5, September - October, 2019 <a href="http://doi.org/10.26782/jmcms.2019.10.00022">http://doi.org/10.26782/jmcms.2019.10.00022</a></li> <li>● Sachin Gupta &amp; Bhoomi Gupta (2019) <b>“Performance modeling and evaluation of transportation systems using analytical recursive decomposition algorithm for cyclone mitigation”</b>, Journal of Information and Optimization Sciences, 40:5, 1131-1141, DOI: <a href="https://doi.org/10.1080/02522667.2019.1638003">10.1080/02522667.2019.1638003</a> Web Of Science</li> <li>● <b>“Short Term Stock Movements with Big Data and Market Sentiments Analytics”</b> ‘International Journal of Innovative Technology and Exploring Engineering’ at Volume-8 Issue-9, July 2019.Scopus <a href="https://www.ijitee.org/wp-content/uploads/papers/v8i9/I8474078919.pdf">https://www.ijitee.org/wp-content/uploads/papers/v8i9/I8474078919.pdf</a></li> <li>● a <b>‘A Literature Survey on Page Rank Algorithm’</b>; International Journal of Scientific &amp; Engineering Research Volume 9, Issue 5, May-2018 ISSN 2229-5518, pages9-11.</li> </ul>

	<p><a href="https://www.ijser.org/researchpaper/A-Literature-Survey-on-Page-Rank-Algorithm.pdf">https://www.ijser.org/researchpaper/A-Literature-Survey-on-Page-Rank-Algorithm.pdf</a></p> <ul style="list-style-type: none"> <li>• <b>‘Impact of Jamming Attack in Performance of Mobile ad hoc networks’</b>; International journal of Computer Science Trends and Technology, vol 5, issue 3, may-june 2017, page no, 184-190, ISSN No. 2347-8578 <a href="http://ijcstjournal.org/Vol5Issue3No1.htm">http://ijcstjournal.org/Vol5Issue3No1.htm</a></li> <li>• <b>‘Wireless Sensor Networks: RAM and Code Footprint Analysis for QoS Improvement’</b> , International Journal for Innovative Research in Science &amp; Technology, Vol 3, issue 11,2017, ISSN No. 2349-6010 <a href="https://ijirst.org/Article.php?manuscript=IJIRSTV3I11040">https://ijirst.org/Article.php?manuscript=IJIRSTV3I11040</a></li> <li>• <b>ICT Implementation- GIS Application for Disaster Evacuation</b>, International Journal for Innovative Research in Science &amp; Technology, Vol 3, issue 9,2017, ISSN No. 2349-6010 . <a href="https://ijirst.org/Article.php?manuscript=IJIRSTV3I9043">https://ijirst.org/Article.php?manuscript=IJIRSTV3I9043</a></li> <li>• <b>Wireless @ Crossroads : Chaos to Cruise” in International Conference on Global issues in Business and Technology</b> Jointly organized by NIFM, University of Maryland Eastern Shore and Modern Technology and Management Institute Inc. USA at NIFM, Faridabad, on 1<sup>st</sup> August 2008 , Published in Review of Business and Technology Research, Vol. 1, issue 1, 2008, ISSN no. 1941-9414</li> <li>• <b>‘Triple Security in Cloud Computing’</b>, International Journal on Recent and Innovation Trends in Computing and Communication , vol5, issue 5,2017, ISSN No. 2321-8169. <a href="https://ijritcc.org/index.php/ijritcc/article/view/644">https://ijritcc.org/index.php/ijritcc/article/view/644</a></li> <li>• <b>"Privacy in Wireless Sensor Networks"</b> in NCACNIT-09, published in proceedings in Guru Jhambeshwar University of Science and Technology, Hisar on March 25, 2009.</li> <li>• <b>“Vulnerability Analysis in Disaster Risk Reduction- A Sensor Net for Sensing to Mitigation”</b> in NCRDCA’09 on August 12, 2009 in Jamia Hamdard, Delhi. Proceedings: 978-93-80026-78-7, page no. 203-211</li> </ul>
c. Abstract	<ul style="list-style-type: none"> <li>• <b>“Wireless Sensor Networks: A Privacy Perspective”</b> in GAMS MDICT Conference in New Delhi on 12-14 December 2010.</li> </ul>

	<ul style="list-style-type: none"> <li>● <b>"Logical Aspects on Steganography in IPV6 Process towards intruders Protocol"</b> in 15th Annual Conference of GAMS at MERIT, Delhi on 12-14 December 2010.</li> <li>● <b>"Bio-Inspired Algorithms: A survey for Wireless Sensor Networks"</b> at National Seminar on "Artificial Intelligence" held on 17th July 2009 at DCE, Gurgaon.</li> </ul>
	<ul style="list-style-type: none"> <li>● <b>"QOS and Security Provisioning in WSN using Bio-Inspired Algorithms"</b> in a national Conference on Latest Advancements in Science, Engineering and Research-2011 on May 26-27, 2011 at Baba Farid College of Engineering and Technology.</li> <li>● Abstract in the 4<sup>th</sup> International conference <b>ICCDIT '08 in Punjab College of Technical Education (PCTE), Ludhiana</b> in July 2008.</li> <li>● <b>"Security in Wireless Sensor Networks"</b> in CSI Conference on Research and Applications in Information and Communication Technology in SBBSIET, PTU, Punjab on 7th-8th November 2008.</li> </ul>
<b>d. Poster Presentation</b>	<ul style="list-style-type: none"> <li>● <b>"Disaster Management Communications Using Wireless Sensor Adhoc Networks"</b>, 43rd Annual Convention OF CSI and 25th Conference of South Asia Regional Computer Confederation (SEARCC 2008), 10th-12th September 2008.</li> </ul>

#### 19. Participation in Conferences/ Seminars/ Symposia - A

S.No.	Name of the Programme	Organizer	Duration		
			from	to	
1.	Collaborative Certificate Programme in Technical Consulting	Consultancy Development Centre, DSIR, Ministry Of science and Technology, government of India.	March 2012	April 2012	8 weeks

2.	MHRD Sponsored Summer School on Wireless Sensor Networks: Open issues and research directions	NIT, Surathkal, Karnataka	22-06-2009	03-07-2009	2 weeks
3.	AICTE Sponsored FDP on “Wireless Communication and Mobile Computing”	University School of Information Technology, GGSIPU, Delhi	22-12-2009	02-01-2009	2 weeks
4	ISTE and IIT-Bombay Sponsored Workshop on Computer Programming.	IIT Bombay	16-06-2014	21-06-2014	2 weeks
5.	ISTE and IIT-Bombay Sponsored Workshop on Database Management Systems	IIT Bombay	21-05-2013	31-05-2013	2 weeks
6.	AICTE Sponsored Short Term Course on Network Security and Firewalls through ICT	NITTTR, Chandigarh	18-11-2013	22-11-2013	1 week
7.	Microsoft Corporation Ltd. Sponsored three day .NET technology appreciation Programme - Samridhi	University School of Information Technology, GGSIPU, Delhi	26-12-2010	29-12-2010	3 days
8.	Environment and Sustainable Development through ICT	NITTTR, Chandigarh	19.09.2016	23.09.2016	One Week
9.	FDP on Universal Human Values	MVN University	23.05.2019	25.05.2019	3 Days
10.	AICTE sponsored one week (online) STTP on <b>Internet of Things (IoT): Challenges and Applications,</b>	Guru Gobind Singh Indraprastha University	01-02-2021	06-02-2021	One Week
11	FDP on Deep Learning for Image & Text Analysis with Python	EDC IIT Roorkee	27.11.2017	1.12.2017	5 days



12	International Workshop on Intellectual property Rights (Equivalent to FDP) <a href="#">(Certificate Link on Drive)</a>	Deptt of BioTechnology(Gol) through MoE-Institution Innovation Council, DDUC and IQAC, DDUC, Delhi University	09.02.2021	13.02.2021	5 Days
----	---------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------	------------	------------	--------

## **B. Industry Interface/Training Programme**

1. Successfully completed 8 hours Six Sigma Awareness Training Programme on June 18, 2009.
2. Successfully completed one day ISO 9001:2008 and ISO 14001:2004 awareness training.  
[missing][add]
3. Huawei Network Academy “ 1G to 5G Wireless Evolution Program” completed successfully on 9th October 2015.
4. IEEE Extreme Programming Competition 2014 - Mentor and Judge in a program that hosted 6000 participants.

**C.1 NITTTR FDP Resource Person :** Delivered an Expert Session on **NoSQL Injection Attacks** in AICTE Recognized National Level Online Faculty Development Programme (FDP) on “**Cyber Security**” from 12/04/2021 to 23/04/2021 for Technical Teachers/Staff from AICTE approved Engineering colleges/ Polytechnic colleges of India under the sponsored project of **MeitY, New Delhi**.

**C.2 Contribution Towards TEQIP:** Presented an expert lecture on “**Wireless Sensor Security**” in TEQIP in Department OF CSE, GB Pant University on March 5, 2009.

## **D. Invited Guest lecture:**

1. **Prezi -a revolutionary way to invigorate your class’** presentation delivered in Faculty Development Programme at Dronacharya Group of Institutions, Greater Noida on 18 July 2013
2. Delivered an invited guest lecture on ‘**Wireless Sensor Networks: Open issues and research directions**’ at NIT Surathkal, Mangalore, Karnataka in MHRD Sponsored Summer school on Wireless Sensor Networks on 22-06-09.

3. Delivered an invited Paper Presentation on “**Geospatial Data Analytics Using MongoDB**” in the **Workshop on Big Data Analytics** organized by Mohyal Educational and Research Institute of Technology (MERIT), Delhi from 5th to 7th July 2019.

4. Delivered a keynote as Eminent Speaker/Panelist In Pre-Conference Faculty Development Cum Enrichment Program 12rd – 17th August 2021 || AIIT, Amity University Uttar Pradesh, Noida during the 9th International Conference on Reliability, Infocom Technologies and Optimization (ICRITO'2021), Technically Sponsored by IEEE UP Section on the the topic : ***Understanding Blockchain Transactions: Exploring Under the hood***

#### **F. Workshops Attended**

1. Attended a workshop on "Power System Operation and Control conducted by IEEE student branch, Dronacharya College of engineering, Noida on 9th august, 2014.
2. Participated in a workshop titled "Statistical Product and Service Solutions" at DCE, Greater Noida on 30th November 2013 conducted by HCL technologies.
3. Participated in Mission 10X workshop conducted at Dronacharya College Of engineering, Gurgaon from 10 January 2011 to 14 January 2011 in collaboration with Wipro Technologies.
4. Attended a One Day Workshop on Big Data Analytics conducted by HCL Technologies for MVN University, on 18th April 2017.
5. Conducted C / C++ / Linux Workshops on Spoken Tutorial by IITB as an organizer, and received a certificate from the Project Head, Dr. Kannan Moudgalya.
6. Attended a workshop on "SQL SERVER GEEKS” conducted by Dronacharya College of Engineering, Gurgaon on 24th September 2010.

#### **G. Seminars/Conferences Attended**

1. Attended a 2 Day Seminar “Steps 2 Research” by Amal Jyothi College of Engineering in association with ISTE and CSI on 19-20 Sept 2014.
2. Attended a conference on Scientific Computing with Python held at IIT Bombay from 13 December to 15 December 2013.
3. Attended a national seminar on advancements in Fluid and Solid Mechanics on 20thAugust 2011 at DCE, Gurgaon.
4. Attended National seminar on Waste Water Management (WWM)-2011 at DCE, Gurgaon on 15th June 2011.

5. Participated in the HR summit-Mega Networking Event at DCE on 25th September 2010.
6. Attended two days seminar on Value engineering on 7th -8th July 2009 at Dronacharya College Of engineering, Gurgaon.
7. Attended Programme on 29th May 2009 at IMS Quality Management Solutions.
8. Attended seminar on "IT Security Paradigms" organized at Apeejay School Of Management, New Delhi on 8th February 2008.
9. Attended Annual National IT seminar "TechByte" in JIMS on 29th March 2008.
10. Attended a One Day National Seminar on "Information Warfare - The new Frontiers" at DIAS, GGSIPU, Delhi on January 20th, 2007.
11. Attended one day seminar on "Network Security and Ethical Hacking: held at BVICAM on 16th February 2005.

## **20. Membership of Learned Societies**

1. Associate Life member of **CSI**(Computer Society Of India)
2. Life member of **GAMS** (Gwalior Academy of Mathematical Sciences)
3. Member, **ISTE**(Indian Society of Technical Education)
4. Member **IAENG**(International Association Of Engineers)
5. Member **UACEE** (Universal Association of Computer and Electronics Engineers)
6. Member **SWIDC**(The Society of Digital Information and Wireless Communications)

## **21. Prizes & Awards**

1. **Awarded Certificate in Technical Consultancy Development from CDC ,Govt of India.**
2. **Certificate of Academic Excellence** in Masters(M.Tech)in GGSIPU
3. Awarded the "**Best Faculty**" based on students' and management feedback in the year 2009, 2010.

## **22. Co-curricular Activities**

1. Developing e-learning Websites using Moodle

## **23. Hobbies**

1. Reading e-magazines
2. Content development

**24. Any other relevant information** you wish to give in support of your candidature:

**A. Professional Certifications:**

<p><b>1. Certificate of Technical Consultancy Development from CDC, Govt. Of India.</b></p> <p><b>2. International Test for English proficiency iTEP Academic Plus : Advanced</b> Secured 5.4 on a scale of 6</p>
<p><b>3. Microsoft Certified Educator</b></p> <p>EXAM NUMBER: 62-193 Technology Literacy for Educators DATE: 10/8/2014</p>
<p><b>4. Microsoft Office Specialist</b></p> <p>i. Certification Number : E868-1682 Achievement Date : 07/02/2014 Certification/Version : Microsoft Word 2010</p> <p>ii. Certification Number : E863-8092 Achievement Date : 06/27/2014 Certification/Version : Microsoft PowerPoint 2010</p> <p>iii. Certification Number : E862-2421 Achievement Date : 06/27/2014 Certification/Version : Microsoft Excel 2010</p>
<p><b>5. Microsoft Certified Professional</b></p> <p>i. Certification Number : E766-8243 Achievement Date : 03/29/2014 Certification/Version : Microsoft Certified Professional</p>
<p><b>6. Microsoft Technology Associate</b></p> <p>i. Certification Number : F013-8112 Achievement Date : 09/29/2014 Certification/Version : HTML5 Application Development Fundamentals</p> <p>ii. Certification Number : E860-9548 Achievement Date : 06/25/2014 Certification/Version : Windows Server Administration Fundamentals</p> <p>iii. Certification Number : E857-0691 Achievement Date : 06/19/2014 Certification/Version : Security Fundamentals</p> <p>iv. Certification Number : E845-7405 Achievement Date : 06/12/2014 Certification/Version : Software Development Fundamentals</p> <p>v. Certification Number : E845-7403 Achievement Date : 06/12/2014 Certification/Version : Windows Operating System Fundamentals</p> <p>vi. Certification Number : E845-7404 Achievement Date : 06/12/2014 Certification/Version : Database Administration Fundamentals</p> <p>vii. Certification Number : E766-8242 Achievement Date : 03/29/2014 Certification/Version : Networking Fundamentals</p>
<p><b>7. Oracle certified Java Professional</b></p>
<p><b>8. IBM DB2 730 Certified</b></p>

**9. IBM RAD 255 Certified**

**10. IBM Rational Software Architect - SEED Program (Regn) LYM684/1 Feb 2013**

**Recently Certified on :**

**11. Neo4J Certified Professional, March 2019 onwards, Credential ID 16786759**

**12. GOOGLE Certified Educator, April 2020-April 2023, Credential ID 17413235**

#### **24 a. Online Training Completed**

Course Name	Platform	Completed
Big Data 101	Cognitive Class - IBM	April 2018
Hadoop 101	Cognitive Class - IBM	April 2018
Spark Fundamentals I	Cognitive Class - IBM	May 2018
M220JS: MongoDB for Javascript Developers	MongoDB University	April 2019
M121: The MongoDB Aggregation Framework	MongoDB University	April 2019
M040: New Features and Tools in MongoDB 4.0	MongoDB University	April 2019
M001: MongoDB Basics	MongoDB University	April 2019
Redis - Virtual Labs Primer	Redis Labs	April 2019

#### **24 b. Online Courses Completed**

Certification Name	Platform	Type
Python Data Structures	Coursera	Specialization
Using Databases with Python	Coursera	Specialization
Programming for Everybody (Getting Started with Python)	Coursera	Specialization
Capstone: Retrieving, Processing, and Visualizing Data with Python	Coursera	Specialization
Using Python to Access Web Data	Coursera	Specialization
Machine Learning for All	Coursera	General
Object-Oriented Programming with Java	Coursera	General
How to Write and Publish a Scientific Paper (Project-Centered Course)	Coursera	General

Concurrency in Go	Coursera	Specialization
Functions, Methods, and Interfaces in Go	Coursera	Specialization
Palo Alto Networks Academy Cybersecurity Foundation	Coursera	General
Getting Started with Go	Coursera	Specialization
Introduction to Big Data	Coursera	General
IT Infrastructure and Emerging Trends	Coursera	General
Blockchain Basics	Coursera	General
Introduction to Software Product Management	Coursera	General
AI For Everyone	Coursera	General
Genome Assembly Programming Challenge	Coursera	Specialization
Advanced Algorithms and Complexity	Coursera	Specialization
Algorithms on Strings	Coursera	Specialization
Blockchain Platforms	Coursera	General
Introduction to HTML5	Coursera	General
Algorithms on Graphs	Coursera	Specialization
Data Structures	Coursera	Specialization
A Crash Course in Data Science	Coursera	General
Algorithmic Toolbox	Coursera	Specialization

## 25. Other Relevant Information

- **Member TCS ION Digital Learning FDP Community, have attended 6 programmes since January 2016.**
- **Chairman, Curriculum Design Committee, MVN University for B.Tech (Engineering) Courses.**
- **Web development course conducted in Deen Dayal Upadhyaya College, Delhi University from 1-07-2015 to 15-07-2015**
- **Conducted a 15 days workshop (60 participants attended) on Web Technologies in September 2016 in MVN University, Palwal, Haryana.**
- **Conducted FDP on Big data Analytics (63 participants attended) in MVN University, Palwal, Haryana on 18<sup>th</sup> April 2017.**
- **Initiative in DGI, Greater Noida and DCE Gurgaon, was instrumental in the setup of IBM CoE and training and certification of over 500 students across both institutes. DCE**

Gurgaon was awarded amongst 30 best institutes in India by IBM on the TGMC project submissions.

- Handled successfully the preparedness and delivery of the **NAAC accreditation application** at DCE, Gurgaon for the CSE department.
- **Established IIT Bombay Spoken Tutorial centers at both DGI and DCE**, and presently both institutes have been upgraded to a two star status resource centers, with over 1000 students trained and certified on FOSS through these centers.
- **Initiated the Oracle IT academy** in both Institutes and Microsoft IT Academy in DGI, Greater Noida.
- **Successful establishment of networking laboratory** after getting sanction for my proposal submitted under **MODROBS Program Grant** of INR 15 lac from AICTE at DCE Gurgaon.
- Established and administered the **Online Course Platform MOODLE** for all the faculty running courses in CSE Department of DGI, Greater Noida. Trained all the teaching staff to work with Moodle.
- Complemented the **Placement process** in the college by providing training and job opportunities to the students in my department, beyond the Training and Placement Office.
- Consistently produced scholars with 100% results and distinctions, and was awarded the **“Best Faculty” based on students’ and management feedback in the year 2009**.
- Served as the **Centre Superintendent for University Examinations** with complete liaison responsibility and End to end process management.

Certified that the information given by me is complete and correct to the best of my Knowledge & belief and nothing has been concealed there form.



(Dr. Sachin Gupta)