

Dr. SITENDER

Curriculum Vitae

Department of Information Technology
Maharaja Surajmal Institute of Technology
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in LinkedIn ResearchGate



Education

- Oct, 2021 **PhD, Computer Science & Engineering**, Thapar Institute of Engineering and Technology, Patiala, Natural Language Processing, Machine Translation, Sanskrit Language Enconversion to Universal Networking Language (UNL), Machine Learning, Deep Learning.
- 2006–2008 : **Master of Technology, Computer Engineering**, Maharashi Dayanand University Rohtak.
Grade : A-
- 1999–2004 : **Bachelor of Engineering, Information Technology**, Maharashi Dayanad University Rohtak.
Percentage : 77%
- 1999 : **Higher Secondary Examination, HBSE, Bhiwani.**
Mathematics, Physics, Chemistry, English, Hindi
Percentage : 68.5 %
- 2006 : **Secondary Examination, HBSE, Bhiwani.**
Mathematics, Physical Science, Geography, SS, History, English, Hindi
Percentage : 77 %

Publications

Journal Articles-SCI/SCIE Indexed Journal Publications

- 2023 S Thangamayan, Kalyani Pradhan, Ganesh Babu Loganathan, S Sitender, S Sivamani, Mulugeta Tesema, et al. Blockchain-based secure traceable scheme for food supply chain. *Journal of Food Quality*, volume 2023. Hindawi, 2023.
- 2021 Seema Bawa **Sitender**. A sanskrit-to-english machine translation using hybridization of direct and rule-based approach. *Neural Computing and Applications*, volume 33, pages 2819–2838. Springer, 2021, (**Impact Factor:5.606**).
- 2021 Munish Kumar **Sitender**, Seema Bawa and Sangeeta. A comprehensive survey on machine translation for english, hindi and sanskrit languages. *Journal of Ambient Intelligence and Humanized Computing*, pages 1–34. Springer, 2021, (**Impact Factor:7.10**).
- 2021 **Sitender** and Seema Bawa. Sansunl: a sanskrit to unl enconverter system. *IETE Journal of Research*, volume 67, pages 117–128. Taylor & Francis, 2021, (**Impact Factor:2.33**).
- 2021 **Sitender** Kapil Sharma, Sangeeta and Manju Bala. New failure rate model for iterative software development life cycle process. *Automated Software Engineering*, volume 28, pages 1–22. Springer, 2021, (**Impact Factor:2.88**).
- 2020 **Sitender** and Seema Bawa. Sanskrit to universal networking language enconverter system based on deep learning and context-free grammar. *Multimedia Systems*, pages 1–17. Springer, 2020, (**Impact Factor:2.303**).

Journal Articles-Scopus/ESCI Indexed Journal Publications

UGC Care /Refereed Journal Articles

In Conference Proceedings

- 2023 Sitender, Sangeeta, N Sudha Sushma, and Saksham Kumar Sharma. Effect of glove, word2vec and fasttext embedding on english and hindi neural machine translation systems. In *Proceedings of Data Analytics and Management: ICDAM 2022*, pages 433–447. Springer, 2023.
- 2019 Sangeeta Jivitesh and **Sitender**. E-commerce systems: Quality aspects. In *National Conference on India's Yes to Mega Reforms : Issues, Challenges and Implications*, pages 215–219, 2019.
- 2017 **Sitender** and Sahil Singh. Encrypted stegnographic analysis for different types of data. In *International conference on Innovations and Trend to support make in India*, page 90, 2017.
- 2017 **Sitender** and Parvin. Optimization of key frequency in keyboard using mathematical inclusion of design. In *International conference on Innovations and Trend to support make in India*, pages 35–36, 2017.
- 2011 **Sitender** and Sangeeta Malik. Machine learning: Machine translation. In *International Conference on Advanced Computing and Communication Technologies (ACCT 2011)*, pages 156–160, 2011.
- 2011 Sangeeta Malik and **Sitender Malik**. Machine translation. In *International Conference on Advanced Computing and Communication Technologies(ACCT2011)*, volume 1, pages 156–160, 2011.
- 2010 **Sitender**, Sangeeta Malik, Savita Bamal, and Komal Hooda. Impact of natural language processing. In *National Conference on Advanced Computing and Communication Technology*, pages 760–765, 2010.
- 2010 **Sitender**, Sandeep Jaglan, Sangeeta Malik, and Savita. Software reuse development in uml. In *National Conference on Advanced Computing and Communication Technology*, pages 96–99, 2010.
- 2010 Punita Meelu and **Sitender Malik**. Rsa and its correctness through modular arithmetic. In *AIP Conference Proceedings*, volume 1324, pages 463–466. American Institute of Physics, 2010.
- 2010 Rani Lathwal and **Sitender Malik**. Evolutionary routing protocol for wireless networks. In *National Conference on Advanced Computing and Communication Technology*, volume 4, pages 608–611, 2010.
- 2009 **Sitender** and Parvin. Polling overhead optimization in mac. In *International conference on Wireless Network and Embedded System (WECON-2009)*, pages 192–194, 2009.
- 2009 **Sitender**, B. Kahnwal, R. Singh, and Sompal. Emerging applications of mobile computing. In *International conference on Wireless Network and Embedded System (WECON-2009)*, pages 80–84, 2009.

Experience

Maharaja Surajmal Institute of Technology, New Delhi

August, 2012 – **Assistant Professor**.
present Department of Information Technology

N.C. College of Engineering, Israna Panipat

Aug-2009 – **Assistant Professor**.
July-2012 Department of Information Technology

Oct-2008 – **Senior Lecturer**.
July-2009 Department of Information Technology

Aug-2004 – **Lecturer.**

Sept-2008 Department of Information Technology

Thesis Guided

- 2010 **Ms. Sweety** , *Security Optimization in MD5*, Kurukshtra University Kurukshtra, 2010.
- 2010 **Ms. Rani Lathwal** , *Optimization Path Routing Network Using Genetic Algorithm*, Kurukshtra University Kurukshtra, 2010.
- 2010 **Mr. Vikas Garg** , *Quality Improvement of Deteriorated Images Using Thresholding.* , Kurukshtra University Kurukshtra, 2010.
- 2010 **Ms. Punita** , *Performance analysis of two cryptographic systems:RSA & AES*, Kurukshtra University Kurukshtra, 2010.
- 2009 **Mr. Sompal** , *Steganography in audio files*, Kurukshtra University Kurukshtra.
- 2009 **Mr. Brijender** , *Modern multicourse Examination*, Kurukshtra University Kurukshtra.
- 2009 **Ms. Ravinder** , *Online music web application*, Kurukshtra University Kurukshtra.

Patents and Copyright

- Air Quality Index Prediction and Forcasting System based on Internet of Things and Machine Learning, file no: 20 2022 104 292.6 , registered date : 04/11/2022, Germany
- 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
- Blueprint of Green sustainable and clean renewable energy, File No. 202211030282, published on : 03/06/2022
- System and Method for estimating reliability of software developed under latest software development lifecycle, file no. 202111008557, published on 05/03/2021.
- IOT based smart voting system for pandemic spread mitigation, file no. 202141006912, published on 26/02/2021.
-
- **copyright** on DIAGRAM ON EVOLUTION OF SOFTWARE RELIABILITY GROWTH MODELS registration number L-104055/2021.

Books Published

- Book Title : "Practices towards future Software Reliability Growth Model Evolution", AKN Publisher, (ISBN: 978-819-421-71-83) 2021.
- Book Title: "Fundamentals of Information Technology", Scientific International Publishing House, ISBN:978-5625-068-0, 2022.
- Book Title: "Future Perspectives of Machine Translation for Indian Languages", JSR Publishing House LLP, (ISBN: 976-93-94336-26-1), 2023
- Book Title : Easy Programming in C++, Java and Python - A Comparative Approach to Learning Three Programming Languages ", JSR Publishing House LLP , ISBN :978-9304917811-3 , 2026.

Academic Achievements & Recognition

- 2021 **Member TPC of The 4th International Conference on Recent Trends in Image Processing and Pattern Recognition (RTIP2R 2021)' (RTIP2R 2021)**, University of Malta, Msida, Malta.
- 2020 **Organizes The 7th National Conference on Advances in Metrology 2021' (Admet2021)**, MSIT, New Delhi, India.
- 2020 **Organize International Conference on Artificial Intelligence and Applications (ICAIA 2020) ' (ICAIA 2021)**, MSIT, New Delhi, India.

Computer skills

Programming Languages Java, C++, C, Python,

Position of Responsibility

September 2019 till date **Convener NIRF Team, MSIT.**

2019-till now **Convener: Institute Magazine and Information Bulletin, MSIT.**

2019-till now **Convener: Institute Media Cell-Ranking of Institute by different magazines, MSIT.**

2015-2019 **Branch Counselor of IEEE Student Branch, MSIT.**

2014- till date **Member NAAC Team, MSIT.**

2014-till date **Member NBA Team, MSIT.**

Feb 2020 **Organizer member Genesis 2020: Cultural Fest MSIT, MSIT.**

2018-2020 **SPoC Smart India Hackahon (SIH), MSIT.**

2016-til now **Lab Incharge at MSIT .**

2012-till date **Member Anti-Ragging Committee, MSIT.**

2019-till now **Member IIC Cell-ARIIA Ranking, MSIT.**

2019- till now **Member Institute Grievance Committee, MSIT.**

2019-till now **Member Discipline Committee, MSIT.**

2012-2016 **Worked as acting HoD of IT 2nd Shift, MSIT.**

2013-2015 **ISO Incharge, IT, MSIT.**

2015-2016 **IQAC Incharge, MSIT.**

2019-till now **Departmental Research Publications reconrd management , IT, MSIT.**

2016-2017 **Time Table Incharge IT department, MSIT.**

2012-2022 **Proctor of different classes, MSIT.**

2020-2022 **Member Library Committee, MSIT.**

March 4-6, 2021 **Organizer, National Conference on Advances in Metrology (AdMet 2021) , MSIT Delhi.**

Feb 4-6, 2020 **Organizer, International Conference on Artificial Intelligence and Applications (ICAIA2020) , MSIT Delhi.**

Maharaja Suraimal Institute of Technology								
FDP/Seminar/Workshop data of Department of Information Technology								
S. No.	Faculty Name	Title of FDP / Workshop/ Seminar	Duration (Days)	Date	Month	Year	Organized by MSIT	Conducted By
1	Dr. Sitender	FDP on Technology, Pedagogy and Research:Navigating Temporary Contemporary Academic Change	10 days	16/01/2026 to 26/01/2026	Jan	2026	CIHL Canada	CIHAL Canada
2	Dr. Sitender	Modern Educators AI Tool Box for Productivity Enhancement	1-week	18-5-2026 to 22-05-2026	May	2026	MSIT	NITTTR
3	Dr. Sitender	Mindfulness in motion: Strengthening Academic Performance through Meditation	1-week	25-5-2026 to 29-05-2026	May	2026	MSIT	MSIT
4	Dr. Sitender	Cloud Computing Essentials with AWS	One Week	3-3-2025 to 7-3-2025	March	2025	MSIT	NITTTR
5	Dr. Sitender	Refresher Course on Artificial Intelligence (Hybrid Mode) 'AI as Catalyst for Academic	Two weeks	06/08/2025 to 22/08/2025	August	2025	MMTTC, Jamia Millia Islamia, Central University, New Delhi	MMTTC, Jamia Millia Islamia, Central University, New Delhi

6	Dr. Sitender	FDP on Microsoft Power BI Data Analyst Associate	One Week	15/12/2025 to 19/12-2025	December	2025	MSIT	MSIT
7	Dr. Sitender	STC on Protect Yourself against Cyber Threats and Online Risks	One Week	5-5-25 to 9-5-25	May	2025	MSIT	NITTTR
8	Dr. Sitender	STC on Digital Tools for Teaching and Learning	One week	11-3-24 to 15-3-2024	March	2024	MSIT	NITTTR
9	Dr. Sitender	AI Azure Associate	One Week	29-07-2024 to 02-08-2024	Aug	2024	ICT Academy	MSI
10	Sitender	CyberSecurity	one week	05-02-2024 to 09-02-2024	Feb	2024	MSIT	ICT Academy
11	Dr. Sitender	STC on Modelling and Simulation using MATLAB	One Week	16-12-2024 to 20-12-2024	December	2024	MSIT	NITTTR
12	Dr. Sitender	Curriculum Design for Outcome Based Education	One Week	03-06-2024 to 07-06-2024	June	2024	MSIT	NITTTR
13	Dr. Sitender	Developing Healthy Work Culture at Work Place	One Week	2-12-2024 to 6-12-2024	December	2024	MSIT	NITTTR
14	Dr. Sitender	FDP on Effective teaching learning using social media	One Week	27-05-2024 to 31-05-2024	May	2024	MSIT	NITTTR

15	Dr. Sitender	FDP on Recent Advancement in Machine Learning and Artificial Intelligence	1-week	06/02/2023 to 10/02/2023	February	2023	MSIT	MSIT
16	Dr.Sitender	Cloud Big Data and Machine Learning Fundamentals from Coursera	2-weeks	14-01-2023 to 28-01-2023	Jan	2023	Google Cloud	Coursera
17	Sitender	Programming in Python (Swayam Course)	12 weeks	25/08/2023 to 24/11/2023	August-Nov	2023	Dibrugarh University	Swayam
18	Sitender	Java (Swayam Course)	12 weeks	July 2023 till Oct-2023	July-Oct	2023	IIT, Kharagpur	Swayam
19	Dr. Sitender	Course on Building Piplining	2-week	25/02/2023-12/03/2023	March	2023	Google Cloud	Coursera
20	Sitender	Outcome Based Education and Essential AI Tools for Teachers	1 week	14/12/2023 to 20/12/2023	December	2023	IPSR Solutions Limited	Online
21	Sitender	FDP on Cloud Practioner (AWS)	1-week	26/6/23 to 01/07/2023	June	2023	MSIT	ICT Academy
22	Dr.Sitender	Course on Modernizing Data Lakes and Data Warehouses with Google Cloud	2-weeks	28-02-2023 to 11-02-2023	Feb	2023	Google Cloud	Coursera

23	Dr. Sitender	Entrepreneurship, Innovation & Digital skill in new Era of AI	1-week	25/07/2022 to 29/07/2022	July	2022	MIT Moradabad	MIT Moradabad
24	Dr. Sitender	“Academic Research Writing”	1 week	31-12-2021 to 06-12-2022	January	2022	Learning Centre, Ramanujan College University of	Centre, Ramanujan College University of Delhi
25	Dr. Sitender	Industrial Training Programme on Deep Learning	2-Weeks	21/11/2022 to 03/12/2022	November	2022	MSIT and Brain Mentors	MSIT and Brain Mentors
26	Dr. Sitender	4-WEEK Induction/orientation Program	4 weeks	20-05-2022 to 18-06-2022	June	2022	Learning Centre, Ramanujan College University of	Centre, Ramanujan College University of Delhi
27	Mr. SITENDER	Fundamentals of Intellectual Property Rights for Entrepreneurs & Academicians	1	1/2/2021	February	2021	Government Post Graduate College for Women, Sector-14, Panchkula	
28	SITENDER	/ induction program for Faculty in Universities / colleges/ institutes of higher education	4-weeks	11-02-2021 to 13-03-2021	Feb-March	2021	TLC Ramanujan College	TLC Ramanujan College
29	SITENDER	FDP on Recent Advancements and challenges in IT	7	08-03-2021 to 12-03-2021	March	2021	MSIT	MSIT

30	Dr. Sitender	FDP on "Internet of Things (IoT) - A Practical	1week	06-12-2021 TO 10-12-21	December	2021	MSIT	ATAL
31	Mr. SITENDER	Data Analysis using Python	5	28-12-20 to 01-01-2021	January	2021	MSIT	4Achievers
32	SITENDER	programme on Use of ICT in Education	6	24-02-21 to 02-03-2021	March	2021	MSIT	MSIT
33	SITENDER	FDP on "Econometric Models for Time series and Panel Data".	6	15-02-21 TO 19-02-2021	February	2021	MSI	
34	Dr. Sitender	Industrial Training on Data Science	2-weeks	15/11/2021 to 26/11/2021	November	2021	MSIT	Brain Mentor
35	Mr. SITENDER	Machine Learning Using Python	7	02-03-2020 to 6-03-2020	March	2020	MSIT	MSIT
36	Mr. SITENDER	FDP on Emerging Technologies in Cloud computing, IOT and Blockchain	7	19-06-2020 to 23-06-2020	June	2020	JPIT	JPIT
37	Mr. SITENDER	Technologies: State-of-art challenges and Future directions	14	27-07-2020 to 08-08-2020	July-August	2020	BPIT	BPIT
38	Mr. SITENDER	FDP on Pragmatic tools on Quality Research	7	16-12-2020 to 22-12-2020	December	2020	MSI	

39	Mr. SITENDER	Faculty Development: Planning and Management for Institutional Excellence	7	18-11-2019 to 22-11-2019	November	2019	MSIT	NITTTR
40	Mr. SITENDER	Enablement Program on LEX based Foundation Program	7	18-01-2019 to 25-01-2019	January	2019	MSIT	Infosys
41	Mr. SITENDER	FDP on Contemporary Issues and Challenges in management, education and IT	7	05-02-2019 to 09-02-2019	February	2019	MSIT	
42	Mr. SITENDER	Workshop on Machine Learning and IOT at Scale with Google Cloud	1	04-12-2018 to 04-12-2018	April	2018	Thapar University	
43	Mr. SITENDER	on Data Science using R through ICT	7	26-11-2018 to 3-11-2018	November	2018	MSIT	NITTTR
44	Mr. SITENDER	Short term Course on Open Source Technologies using ICT	7	3-12-2018 to 7-12-2018	December	2018	MSIT	NITTTR
45	Mr. SITENDER	Short Term course on Wireless Networks through ICT	7	22-05-17 to 26-05-17	May	2017	MSIT	NITTTR

46	Mr. SITENDER	Short term course on Cyber Crime and Forensic Tools through ICT	7	06-02 to 10-02	February	2017	HMRITM	NITTTR
47	Mr. SITENDER	on PHP and MySQL through ICT	7	23-01-2017 to 27- 01-2017	January	2017	HMRITM	NITTTR
48	Mr. SITENDER	on Advances in Speech Technology away towards Intellegent Human computer Interaction	2	27-11-2017 to 28- 11-2017	November	2017	MSIT	
49	Mr. SITENDER	FDP on Recent Trends in Pattern Analysis and Machine Learning	7	11-07-2016 to 15- 07-2016	July	2016	DTU	
50	Mr. SITENDER	FDP on Research Methodology and Data Analysis	7	`	December	2016	MSI	MSI
51	Mr. SITENDER	trends in information technology	7	29-02-2016 to 04- 03-2016	March	2016	MSIT	
52	Mr. SITENDER	FDP on Data Sciences and Machine Learning	7	07-11-2016 to 12- 11-2016	November	2016	BVPCOE	
53	Mr. SITENDER	Embedded system and VLSI Design with its applications	7	16-06-2014 to 20- 06-2014	June	2014	BRCMCET	

54	Mr. SITENDER	FDP on Recent Trends in Pattern Recognition and Image Processing using Soft Evolutionary Computing	7	07-07-2014 to 11-07-2014	July	2014	DTU	DTU
55	Mr. SITENDER	FDP on Signal Processing and Its Applications	1	02-04-2014 to 02-04-2014	February	2014	MSIT	
56	Mr. SITENDER	Workshop on Implementation of Big Data and Hadoop	2	31-10-2014 to 01-11-2014	November	2014	MSIT	
57	Mr. SITENDER	Seminar on MatLab	1	23-09-2014	September	2014	MSIT	CETPA
58	Mr. SITENDER	Workshop on Natural Language Processing	2	06-12-2013 to 07-12-2013	December	2013	Thapar University	
59	Mr. SITENDER	Enablement Program on Foundation	7	09-01-2012 to 13-01-2012	January	2012	Infosys	
60	Mr. SITENDER	Mission10x workshop	7	16-12-2012 to 16-12-2012	March	2012	NCCE	

61	Mr. SITENDER	Equipment sponsored Workshop on Intellectual Property Rights and Management for Engineering and Technology Disciplines	2	30-03-2012 to 31-03-2012	March	2012	NCCE	
62	Mr. SITENDER	Workshop on Recent Methods and Data Analysis using SPSS	2	09-11-2012 to 10-11-2012	November	2012	MSIT	
63	Mr. SITENDER	Workshop on Mathematical Modeling in Science and technology	1	18-08-2012	August	2012	TITS	
64	Mr. SITENDER	Workshop on Recent Trends in Communication Engineering and Network Security	1	21-05	May	2011	NCIT	
65	Mr. SITENDER	National Level Intercollege Workshop on ROBOSOCER-2k11	2	24-11 to 25-11	November	2011	NCCE	
66	Mr. SITENDER	Program on Theory and Practical Applications of FEM	14	14-06 to 25-06	June	2010	NCCE	

67	Mr. SITENDER	Workshop on Mission 10x	7	12-03 to 16-03	March	2010	NCCE	Wipro
68	Mr. SITENDER	Workshop on Advanced Developer Technologies	1	11/4/2019	April	2009	Microsoft Corporation	GIMT
69	Mr. SITENDER	Workshop on Network Security and Cryptography	2	27-02 to 28-02	February	2009	HCTM	
70	Mr. SITENDER	Workshop on Evolutionary Trends in IT	1	3/4/2019	April	2007	HCTM	
71	Dr. Sitender	Workshop on Evolutionary Trends in IT	1	3/4/2019	April	2007	HCTM	

Subjects Taught

Java Programming, MSIT .

Object Oriented Programming with C++, Computer Networking, MSIT New Delhi.