

Dr. SITENDER

Curriculum Vitae

Department of Information Technology
Maharaja Surajmal Institute of Technology
☎ (+91) 8826926721, (+91) 9896773300
✉ sitender@msit.in
🌐 My Webpage
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

- 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

- 2022 SB Somwanshi M H Kulkarni **Sitender** IS Chakrapani, A.I. Priyadarsini and Sangeeta. Bioactivity, chemical and functional characterization of karaya gum sterculia. *Neuroquantology*, pages 1455–1462, 2022.

- 2021 **Sitender** and Sangeeta. Operating machines using facial expressions. *Design Engineering*, pages 714–722, 2021.
- 2021 **Sitender** and Sangeeta. Analyzing twitter data on covid-19 vaccines. *Design Engineering*, pages 653–663, 2021.
- 2020 **Sitender** Sangeeta. A new environmental factor based modeling: An approach to software reliability assessment. *Solid State Technology*, volume 63, pages 9019–9027, 2020.
- 2020 **Sitender** Sangeeta. A critical review to software reliability assessment. *PalArch's Journal of Archaeology of Egypt/Egyptology*, volume 17, pages 1813–1826, 2020.
- 2020 Sangeeta and **Sitender**. Comprehensive analysis of hybrid nature-inspired algorithms for software reliability analysis. *Journal of Statistics and Management Systems*, volume 23, pages 1037–1048. Taylor & Francis, 2020.

UGC Care /Refereed Journal Articles

- 2022 **Sitender** and Sangeeta. Pulmonary fibrosis: A computer vision for medical screening. *Shodhasamhita : Journal of Fundamental & Comparative Research*, volume 8, pages 107–114, 2022.
- 2015 N.Kumar **Sitender**, Kananda and T. Gupta r. Future prediction on snip using fuzzy logic. *International Journal of Research and Scientific Innovation*, volume 2, pages 111–115, 2015.
- 2012 Seema Bawa **Sitender**. Survey of indian machine translation systems. *IJCST*, volume 3, 2012.
- 2012 **Sitender** and Sangeeta. Improving security and enhancing energy efficiency in routing for wsn. *IJCST*, volume 33, pages 211–213, 2012.
- 2012 Gaurav Kadyan and **Sitender Malik**. Comparative study of various hybrid routing protocols for mobile adhoc networks. *International Journal of Latest Research in Science and Technology*, pages 145–148, 2012.
- 2011 Punite Meelu and **Sitender Malik**. Aes: A symmetric key cryptographic system. *International Journal of Information Technology and Knowledge Management*, volume 1, pages 113–117, 2011.

In Conference Proceedings

- 2019 Sangeeta Jivitesh and **Sitender**. E-commerce systems: Quality aspects. In *National Conference on India'a 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 Communucation Technologies(ACCT2011)*, volume 1, pages 156–160, 2011.
- 2010 **Sitender**, Savita Bamal Sangeeta Malik, and Komal Hooda. Impact of natural languageprocessing. In *National Conference on Advanced Computing and Communication Technology*, pages 760–765, 2010.
- 2010 **Sitender**, Sangeeta Malik Sandeep Jaglan, and Savita. Software reuse development in uml. In *National Conference on Advanced Computing and Communication Technology*, pages 96–99, 2010.
- 2010 Punite 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.

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

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.

Orientation Course / Refresher Course /FDP/Seminar/Conferences Attended

Dr. Sitender : FDP/ Orientation Course / Refersher Course/ STP/ Seminars Attended

S. No.	Title of FDP / Workshop/ Seminar	Duration (Days)	Dates	Year	Organized by
1	FDP on Entrepreneurship, Innovation & Digital skill in new Era of AI	1-week	25/07/20022 to 29/07/2022	2022	MIT Moradabad
2	4-WEEK Induction/orientation Program	4 weeks	20-05-2022 to 18-06-2022	2022	Teaching Learning Centre, Ramanujan College University of Delhi
3	"Academic Research Writing"	1 week	31-12-2021 to 06-12-2022	2022	Teaching Learning Centre, Ramanujan College University of Delhi
4	FDP on "Internet of Things (IoT) - A Practical	1week	06-12-2021 TO 10-12-21	2021	MSIT
5	Industrial Training on Data Science	2-weeks	15/11/2021 to 26/11/2021	2021	MSIT
7	4-week orientation / induction program for Faculty in Universities / colleges/ institutes of higher education	4-weeks	11-02-2021 to 13-03-2021	2021	TLC Ramanujan College
8	FDP on Recent Advancements and challenges in IT	7	08-03-2021 to 12-03-2021	2021	MSIT
9	Refresher programe on Use of ICT in Education	6	24-02-21 to 02-03-2021	2021	MSIT
10	FDP on "Econometric Models for Time series and Panel Data".	6	15-02-21 TO 19-02-2021	2021	MSI
11	Fundamentals of Intellectual Property Rights for Entrepreneurs & Academicians	1	01-02-2021	2021	Government Post Graduate College for Women, Sector-14, Panchkula
12	Data Analysis using Python	5	28-12-20 to 01-01-2021	2021	MSIT
13	FDP on Pragmetic tools on Quality Research	7	16-12-2020 to 22-12-2020	2020	MSI

14	FDP on Emerging Technologies in Cloud computing, IOT and Blockchain	7	19-06-2020 to 23-06-2020	2020	JPIT
15	Ambient Technologies: State-of-art challenges and Future directions	14	27-07-2020 to 08-08-2020	2020	BPIT
16	Machine Learning Using Python	7	02-03-2020 to 6-03-2020	2020	MSIT
17	Faculty Development: Planning and Management for Institutional Excellence	7	18-11-2019 to 22-11-2019	2019	MSIT
18	Faculty Enablement Program on LEX based Foundation Program	7	18-01-2019 to 25-01-2019	2019	MSIT
19	FDP on Contemporary Issues and Challenges in management, education and IT	7	05-02-2019 to 09-02-2019	2019	MSIT
20	Short term Course on Data Science using R through ICT	7	26-11-2018 to 3-11-2018	2018	MSIT
21	Short term Course on Open Source Technologies using ICT	7	3-12-2018 to 7-12-2018	2018	MSIT
22	Workshop on Machine Learning and IOT at Scale with Google Cloud	1	04-12-2018 to 04-12-2018	2018	Thapar University
23	Short Term course on Wireless Networks through ICT	7	22-05-17 to 26-05-17	2017	MSIT
24	Short Term Course on PHP and MySQL through ICT	7	23-01-2017 to 27-01-2017	2017	HMRITM
25	Short term course on Cyber Crime and Forensic Tools through ICT	7	06-02 to 10-02	2017	HMRITM

26	National Seminar on Advances in Speech Technology away towards Intelligent Human computer Interaction	2	27-11-2017 to 28-11-2017	2017	MSIT
27	FDP on Research Methodology and Data Analysis	7		2016	MSI
28	FDP on Data Sciences and Machine Learning	7	07-11-2016 to 12-11-2016	2016	BVPCOE
29	FDP on Recent Trends in Pattern Analysis and Machine Learning	7	11-07-2016 to 15-07-2016	2016	DTU
30	FDP on Emerging trends in information technology	7	29-02-2016 to 04-03-2016	2016	MSIT
31	FDP on Signal Processing and Its Applications	1	02-04-2014 tp02-04-2014	2014	MSIT
32	FDP on Recent Trends in Pattern Recognition and Image Processing using Soft Evolutionary Computing	7	07-07-2014 to 11-07-2014	2014	DTU
33	FDP on Advanced Embedded system and VLSI Design with its applications	7	16-06-2014 to 20-06-2014	2014	BRCMCET
34	Technical Workshop on Implementation of Big Data and Hadoop	2	31-10-2014 to 01-11-2014	2014	MSIT
35	Seminar on MatLab	1	23-09-2014	2014	MSIT
36	National Workshop on Natural Language Processing	2	06-12-2013 to 07-12-2013	2013	Thapar University
37	Faculty Enablement Program on Foundation Program	7	09-01-2012 to 13-01-2012	2012	Infosys

38	Tequip-II sponsored Workshop on Intellectual Property Rights and Management for Engineering and Technology Disciplines	2	30-03-2012 to 31-03-2012	2012	NCCE
39	Workshop on Recent Methods and Data Analysis using SPSS	2	09-11-2012 to 10-11-2012	2012	MSIT
40	National Seminar on Mathematical Modeling in Science and technology	1	18-08-2012	2012	TITS
41	Mission10x workshop	7	16-12-2012 to 16-12-2012	2012	NCCE
42	National Workshop on Recent Trends in Communication Engineering and Network Security	1	21-05	2011	NCIT
43	National Level Intercollege Workshop on ROBOSOCER-2k11	2	24-11 to 25-11	2011	NCCE
44	Workshop on Mission 10x	7	12-03 to 16-03	2010	NCCE
45	Staff Development Program on Theory and Practical Applications of FEM	14	14-06 to 25-06	2010	NCCE
46	Workshop on Advanced Developer Technologies	1	11-04	2009	Microsoft Corporation
47	National Workshop on Network Security and Cryptography	2	27-02 to 28-02	2009	HCTM
48	National Workshop on Evolutionary Trends in IT	1	03-04	2007	HCTM

Subjects Taught

Java Programming, MSIT .

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

Computer Networking, MSIT NEW Delhi .

Referees

Dr. Seema Bawa

Professor, Department of

Computer Science & Engineering

Thapar Institute of Engineering and Technology Delhi Technological University Delhi

✉ seema@thapar.edu

Dr. Kapil Sharma

Professor, Department of

Computer Science & Engineering

Delhi Technological University Delhi

☎ +(911) 9717470444

✉ kapil@ieee.org

Dr. Lalit Garg

Professor, Department of

Computer Information Systems

University of Malta, Malta

☎ (+356) 2340-2112

✉ lalit.garg@um.edu.mt

Dr. Akshi Kumar

Associate Professor, Department of

Information Technology

NSUT Delhi

☎ +(91) 9899790369

✉ akshi@dce.ac.in