Dr. SITENDER
Curriculum Vitae

Department of Information Technology
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Education

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

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 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.

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)**.

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.

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 *Internationational 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 *Internationational 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 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.

Experience

Maharaja Surajmal Institute of Technology, New Delhi

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

	N.C. College of Engineering, Israna Panipat
Aug-2009 – July-2012	**Assistant Professor**. Department of Information Technology
Oct-2008 – July-2009	**Senior Lecturer**. Department of Information Technology
Aug-2004 – Sept-2008	**Lecturer**. 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

- 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.

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,
Web Technologies	HTML 5, PHP, JSP, Javascript
Database	SQL, MySQL, Apache

Position of Responsibility

Feb 2020	**Organizer member Genesis 2020: Cultural Fest MSIT**, MSIT.
2018-till now	**Convener: Institute Media Cell**, MSIT.
2015-2019	**Branch Counselor of IEEE Student Branch**, MSIT.

2016-2021	**Lab Incharge at 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.

▬▬▬ Subjects Taught

Java Programming, MSIT .

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

Compiler Deign, Computer Architecture and Organization, Fundamental of Computing, Computer Networking, MSIT NEW Delhi .

▬▬▬ Referees

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