

## FACULTY PROFILE



**Name:** Dr. Saurabh Sharma

**Designation:** Assistant Professor

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### Professional Qualification:

- Ph.D. in Computer Science and Engineering from SLIET Longowal University during 2017-2022. Thesis title is "Performance Investigations on Security Aspects of Internet of Things".
- M.Tech. in Computer Science and Engineering from Ambala College Of Engineering & Applied Research, Mithapur during period 2010-2012. Thesis title is "An Improved Innovative ACO Based Routing Algorithm For Wired Networks".
- B. Tech. (Computer Engineering) from Haryana Engineering College, Jagadhri during the period 2002-2006

### Publications (Journals & Conferences):

- Vinod Kumar Verma, Saurabh Sharma, "Investigations on Information Solicitation and Version Number Attacks in Internet of Things," in **IEEE Sensors Journal, IEEE, Volume: 23, Issue: 3, 2023**, pp. 3204-3211. ISSN: 1530-437X.  
**DOI:** 10.1109/JSEN.2022.3225745.

**Impact factor: 4.325 (2022), SCIE INDEXED JOURNAL**

- Saurabh Sharma, Vinod Kumar Verma. "An Integrated Exploration on Internet of Things and Wireless Sensor Networks". **Wireless Personal Communications : An International Journal, SPRINGER, Volume: 124, 2022**, pp. 2735-2770. ISSN: 0929-6212.  
**DOI:** <https://doi.org/10.1007/s11277-022-09487-3>

**Impact factor: 1.671 (2020), SCIE INDEXED JOURNAL**

- Saurabh Sharma, Vinod Kumar Verma. "AIEMLA: artificial intelligence enabled machine learning approach for routing attacks on internet of things". **The Journal of Supercomputing : An International Journal of High-Performance Computer Design, Analysis, and Use, SPRINGER, Volume: 77, 2021**, pp. 13757–13787. ISSN: 0920-8542.  
**DOI:** <https://doi.org/10.1007/s11227-021-03833-1>

### **Impact factor: 2.472 (2020), SCIE INDEXED JOURNAL**

- Saurabh Sharma, Vinod Kumar Verma. "Security explorations for routing attacks in low power networks on internet of things". **The Journal of Supercomputing : An International Journal of High-Performance Computer Design, Analysis, and Use, SPRINGER, Volume: 77, 2021**, pp. 4778–4812. ISSN: 0920-8542.  
DOI: <https://doi.org/10.1007/s11227-020-03471-z>

### **Impact factor: 2.472 (2020), SCIE INDEXED JOURNAL**

- Marish Kr. Singla, Saurabh Sharma, and Gurpreet Singh. "Taxonomy of Task Scheduling Algorithms for Grid Computing with Static Jobs". Yamuna Journal of Technology & Business Research (ISSN: 2250-3072), Volume 3, Issue (1-2) (2013), pp. 66.1-66.5.
- Saurabh Sharma, Manjeet Singh and Gurpreet Singh. "Swarm intelligence based comparative scrutiny of different routing algorithms in MANETs". International Journal of Research in Engineering & Applied Sciences (ISSN: 2249-3905), Volume 2, Issue 2 (2012), pp. 1818-1831.
- Saurabh Sharma, Manjit Singh and Gurpreet Singh. "Simulation of proposed finer algorithm based on ant colony optimization in wired networks". Yamuna Journal of Technology & Business Research (ISSN: 2250-3072), Volume 2, Issue 1 (2012), pp. 57-60.
- Saurabh Sharma, Manjit Singh and Gurpreet Singh. "Realistic inspection of proposed ant algorithm with ANTNET algorithm using NS-2". International Journal of Research in IT, Management and Engineering (ISSN: 2249-1619), Volume 2, Issue 6 (2012), pp. 146-156.

### **Awards and Achievements**

- Achieved **SLIET QUALITY PUBLICATION AWARD (SQPA)** on 26 Jan 2022.
- GATE Research Fellowship (**Junior Research Fellow**) in Jan 2017.
- GATE Research Fellowship (**Senior Research Fellow**) in Jan 2019.
- **Gate 2016** qualified. Gate percentile 92.536%. All india rank is 8098.
- **HTET 2015** level 3 for PGT qualified.
- Got 85.14 percentile in **CAT 2006**.
- Won first prize in Master Works event of software contest in the **5<sup>th</sup> National Level Technical Symposium named as Azzaro-2006** held in Haryana Engineering College, Jagadhri in 2006

### **Workshops/Seminars/FDPs**

- Attended a workshop "IEEE CIS Summer School on Computational Intelligence : Tools and Techniques for smart grid solutions" from 28-12-2017 to 31-07-2017 at IIT Delhi.
- Attended the STTP on "Recent Advances in Artificial Intelligence" from 27-07-2020 to 31-07-2020 at SLIET.
- Attended the STTP on "Advancements in Computer Science and Information Technology - 2021" from 13-12-2-21 to 18-12-2021 at SLIET.

- Attended the 6<sup>TH</sup> Ankara International Congress On Scientific Research conference from 01-04-2022 to 03-04-2022.
- Participated and completed successfully AICTE Training and Learning (ATAL) Academy FDP on “Internet of Things (IoT)” from 14-10-2019 to 18-10-2019 at SLIET.
- Participated in the STTP on Induction Training Program Through ICT from 17-12-2021 to 21-12-2021 at GNIT.
- Participated in the STTP on Computer Networking with CCNA Through ICT from 19-05-2014 to 23-05-2014 at GNIT.
- Attended the 10<sup>TH</sup> International Conference On Recent Trends in Computing from 04-06-2022 to 05-06-2022 at SRMIST, Modinagar.
- Attended the workshop on Virtual Labs under the National Mission on Education through ICT on 3<sup>rd</sup> November 2022 at SRMIST, Modinagar.
- Participated in the organizing committee of International Multi Conference on Intelligent Systems & Nanotechnology (IISN-2010) from 26-02-2010 to 28-02-2010 at ISTK, klawad.
- Attended as a Session Chair in 11<sup>th</sup> International Conference on Recent Trends in Computing (ICRTC – 2023) from 02-06-2023 to 03-06-2023 at SRMIST, Modinagar.

## Work Experience:

### *Experience Summary:*

- **14+ years** of total experience
- **12+ years** of total teaching experience as a teacher in Engineering Institutes.
- **2+ years** of experience in the area of software support and Linux administrator.

### *Teaching Experience:*

Currently working as an Assistant Professor in CSE department of SRMIST University Modinagar, since 19<sup>th</sup> May 2022.

Sant Longowal Institute of Engg. & Tech.: **5 years** (Jan 18, 2017 – Jan 15, 2022)  
 Designation : Research Scholar (With Teaching Load)

Guru Nanak Institute of Technology : **4 year 5 months** (August 1, 2012 – 11 Jan 2017)  
 Designation : Assistant Professor

Institute Of Science & Technology : **1 year 3 months** (June 5, 2009 – 04 Sep 2010)  
 Designation : Lecturer

Hindustan Institute of Tech. & Mgmt. : **6 months** (July 1, 2008 – Dec 31, 2008)  
 Designation : Lecturer

### *Professional Profile:*

Kayako Infotech Ltd : **5 months** (Jan 2, 2009 – June 2, 2009)  
 Designation : Linux Administrator

Zelite Solutions : **1 year 8 months** (July 01, 2006 – Mar 03, 2008)

Designation : Linux Administrator