Dr. Shivi Garg

B.Tech.(IT), M.Tech. (IS), Ph.D.(IT)
Assistant Professor
Department of Computer Engineering
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INDIA

PERSONAL DETAILS

Name	:	Dr. Shivi Garg
Date of Birth	:	06/09/1989
Permanent Address	:	H.No. 2517, Sector – 16, Faridabad, Haryana
Phone Number	:	9968681034
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PROFESSIONAL QUALIFICATIONS

i) **Ph.D.** in Information Technology from Indira Gandhi Delhi Technical University for Women (IGDTUW) (2021).

ii) **M.Tech.** in Information Security from Delhi Technological University (DTU) (2014).

iii) **B.Tech.** in Information Technology from YMCA University of Science and Technology (2011).

iv) Other Qualification: GATE- Qualified, NET- Qualified

EXPERIENCE

11 Years of Teaching & Research experience in the field of Operating Systems, Database Systems, and Information security.

i) Presently working as an Assistant Professor (from 26/09/2018) in the Department of Computer Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad.

ii) Worked as Teaching Research Fellow (IT) from Oct 2017 – Sept 2018 in Indira Gandhi Delhi Technical University for Women (IGDTUW), Delhi

iii) Worked as Guest Faculty (IT) from Aug 2016 – Sept 2017 in Indira Gandhi Delhi Technical University for Women (IGDTUW), Delhi

iv) Consultant (Admissions & Financial Aid) from May 2015 – Mar 2016 in Indian School of Business (ISB), Hyderabad

v) Assistant Professor (Computer Science) from Sept 2014 – Mar 2015 in MIET Bhandara, Nagpur

vi) Software Engineer (Research & Development) from June 2011 – July 2012 in Cyber-Q Private Ltd, Delhi

THRUST AREAS

❑ Information Security
❑ Mobile Security

ADDITIONAL RESPONSIBILITIES

❑ Assistant Training and Placement Officer (ATPO) since April 2024.
❑ Faculty Coordinator- University Computer Centre and Digital Affairs since Sept 2019
❑ Faculty Coordinator- UHV and IKS Cell since March 2023
❑ Faculty Coordinator –Ananya (Litrary and debabting club) since 2019

STUDENTS GUIDED

i)	**M. Tech.**	:	Sunidhi Chauhan (Completed)
ii)	**M.Tech.**	:	Akanksha Chaudhary (Completed)
iii)	**M.Tech.**	:	Himanshu Prajapati (Pursuing)

PUBLICATIONS:

Total Number of Publications	:	No.
a) Research Papers in International Journals	:	09
b) Research Papers in National Journals	:	00
c) Research papers in International conferences	:	05
d) Research papers in National conferences	:	01

LIST OF PUBLICATIONS

1. Shivi Garg, and Niyati Baliyan. Comparative Analysis of Android and iOS from Security Viewpoint. **Computer Science Review, vol. 40, p. 100372, 2021. IF = 8.757** Elsevier (Read) https://doi.org/10.1016/j.cosrev.2021.100372
2. Shivi Garg, and Niyati Baliyan. "MalVulDroid: Tracing Vulnerabilities from Malware in Android using Natural Language Processing." Journal of Web Engineering, vol. 8, pp. 2339-2362, 2022. IF = 0.617 River Publishers (Read) https://doi.org/10.13052/jwe1540-9589.2185

3. Shivi Garg, and Niyati Baliyan. M2VMapper: Malware-to-Vulnerability mapping for Android using text processing. **Expert Systems with Applications,** vol 191, p. 116360**,** 2021**. IF = 8.665** Elsevier (Read) https://doi.org/10.1016/j.eswa.2021.116360
4. Shivi Garg, and Niyati Baliyan. Android Security Assessment: A Review, Taxonomy and Research Gap Study **Computers & Security, vol. 100, p. 102087, 2021. IF = 5.105** Elsevier (Read) https://doi.org/10.1016/j.cose.2020.102087
5. Shivi Garg, and Niyati Baliyan. A Novel Parallel Classifier Scheme for Vulnerability Detection in Android. Computers and Electrical Engineering, Elsevier, IF = 4.152, vol. 77, pp. 12-26, July, 2019 https://doi.org/10.1016/j.compeleceng.2019.04.019

BOOKS AND BOOK CHAPTERS

Authored Books/ Edited Books:

Shivi Garg and Niyati Baliyan, "Mobile OS Vulnerabilities – Quantitative and Qualitative analysis" , August 2023, CRC Press

Book Chapters

1. Shivi Garg, and Niyati Baliyan. "Android Malware Classification using Ensemble Classifiers." Cloud Security: Concepts, Applications and Perspectives. CRC Press, 2021. 133-145.

PATENTS

1. Dr. Deepika Varshney, Mr. Mohit Aggarwal, Dr. Shivi Garg, Dr. Astha Maheshwari, Mr. Rajiv Kumar Mishra, Dr. Akanksha Mathur, Dr. Satnam Singh, Mr. Manoj Kumar, "A Wearable Device for Child Safety", India, 421490-001, 26 June 2024.