

# Dr. Vishesh P.Gaikwad

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## SOCIALS :

Researcher ID : GLU-5721-2022  
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## EDUCATION :

- PhD in Computer Science & Engineering from IIIT Nagpur (2022)
- M.E. in CSE(M.T) from GHRCE,Nagpur (2013)
- B. E. in Computer Engineering from RTM Nagpur University (2009)

## EXPERIENCE :

- 2023 to Till date – Assistant Professor SVNIT Surat
- 2021 to 2023 – Assistant Professor IIIT Nagpur
- 2015 to 2021 – Assistant Professor PBCOE Nagpur
- 2013 to 2014 – Assistant Professor KDKCE Nagpur
- 2010 to 2013 – Assistant Professor, PBCOE Nagpur Nagpur

## TEACHING :

- Mtech II Sem – Ethical Hacking and Penetration Testing (2023-24 at SVNIT,Surat)
- Mtech II Sem – Mobile Security and Penetration Testing (2023-24 at SVNIT,Surat)
- 5th Sem CSE – Database Management Systems (2022-23, 2023-24)

- 5th Sem CSE - Theory of Computation (2022-23, 2023-24)
- 6th Sem CSE - Compilers (2021-22, 2022-23)
- 6th Sem CSE - Cryptography and Network Security (2021-22, 2022-23)

## RESEARCH :

### Area of Research

- Information Security ,Authentication and Key Agreement protocols in Telecare Medicine information system,Privacy Preserving in E-Healthcare.
- Machine Learning.
- Deep Learning

### Reviewer for Journals / Conferences:

- International Conference on Computing Informatics and Cybersecurity, IEEE Conference
- International Conference on Computer, Information and Telecommunication Systems (CITS),IEEE Conference
- Communications, Computing, Cybersecurity, and Informatics (CCCI), International Conference,,IEEE Conference

## PUBLICATION :

### Patents:

**Title of Innovation:** LOCATION BASED TRANSACTION FRAUD DETECTION USING MACHINE LEARNING.  
**Name of the Inventor(s):** V.P.Gaikwad, et. Al.  
**Patent No.:** 202321010316  
**Date of Publication:** 17-03-2023  
**Agency:** Indian Patent Office

### Publications:

- **Vishesh P. Gaikwad**, Jitendra V. Tembhurne, C Meshram, Cheng-Chi Lee, “An Efficient Provably Secure Verifier-based Three-Factor Authentication Technique using PDL for Data Exchange in TMIS”, IEEE Access, 9, 108586-108600, 2021. (July 2021). DOI:10.1109/ACCESS.2021.3101111. Indexed in **SCI. IF 3.36**.

- **Vishesh P. Gaikwad**, Jitendra V. Tembhurne, C Meshram, Cheng-Chi Lee, “Provably Secure Lightweight Client Authentication Scheme with Anonymity for TMIS using Chaotic Hash Function”, *The Journal of Supercomputing*, 77, 8281–8304, 2021. (19th January 2021). DOI: <https://doi.org/10.1007/s11227-020-03553-y>. Indexed in **SCI. IF 2.60**.
- **Vishesh P. Gaikwad et.al.** “A provably lightweight mutually authentication and key establishment protocol using extended chaotic map for Telecare medicine information system”, *Int. j. inf. tecnol.* 15, 3211–3227 (2023). ,Indexed at UGC-CARE List. . DOI: <https://doi.org/10.1007/s41870-023-01314-7>. Indexed in Scopus Indexed Journal IF 3.4(2023)

### National/ International Conferences

- S.P. Ambulkar, N. S. Sakhare and **V. P. Gaikwad**, "Figure-Ground Segmentation using object oriented descriptor," *2016 IEEE International Conference on Engineering and Technology (ICETECH)*, Coimbatore, India, 2016, pp. 223-226, DOI: 10.1109/ICETECH.2016.7569246.
- **Vishesh P.Gaikwad.**”Survey on Security issues in cloud computing”,2013,International Conference on Computer Science and Information Technology ICCSIT-2013

## **SUPERVISION :**

### B.E. / B. Tech.

- *More than 20 groups guided.*

## **RESPONSIBILITY :**

- *Training & Placement CSE-Departmental Coordinator. IIIT Nagpur*
- *Faculty Advisor, 2022 Batch CSE, IIIT Nagpur*
- *Admission Committee member at IIIT, Nagpur*