



**(Dr. Virendra Singh)**

**Assistant Professor, Department of Computer Application, Faculty of Engineering,  
Integral University, Lucknow**

**(+91-9621581717, [virendras@iul.ac.in](mailto:virendras@iul.ac.in) , [virendrasingh17@gmail.com](mailto:virendrasingh17@gmail.com) )**

Hyperlinks of ([Google Scholar Citation](#), | [Orchid Id](#), [Scopus](#), | [Research gate](#), | [linked in](#))

## PROFILE

---

- **He is currently working** as an **Assistant Professor** at the **Department of Computer Application**, Integral University Lucknow.
- He has completed his Ph.D. in Information Technology from Babasaheb Bhimrao Ambedkar University, Lucknow, 2020.
- **He has worked** as a **Guest Assistant Professor** at the **Department of Computer Engineering**, School of Engineering and Technology, Babasaheb Bhimrao Ambedkar University, Lucknow, Uttar Pradesh.
- **He has worked** as an **Assistant Professor** at the **Department of Computer Application**, Babu Banarasi Das University, Lucknow, Uttar Pradesh.
- **He has worked** as an **Assistant Professor** at the **Department of Computer Application**, Goel Institute of Higher Studies, Lucknow, Uttar Pradesh.

## RESEARCH INTEREST:

- Software Security.
- Requirement Engineering.
- Cloud Computing.
- IoT.

## SUMMARY OF RESEARCH ACCOMPLISHMENT:

- **SCI indexed Journals : 01**
- **Scopus: 02**
- **Conference Paper :06**
- **Book chapter : 04**
- **Other National / International Journals : 07**

## COURSE TAUGHT:

---

- Software Engineering
- Database Management System
- Operating System

## ADMINISTRATIVE/DEPARTMENTAL RESPONSIBILITY

---

- Member, Departmental NAAC Committee (Integral University, Lucknow)

## PUBLISHED/GRANT PATENTS

---

- |               |   |
|---------------|---|
| 1. Title      | A Framework for Security Requirement Elicitation Process  |
| Patent Number | 201911016384  |
| Status        | Published   |
| 2. Title      | A Framework for Multilevel SLA Management for Resources Allocation in Cloud Computing Environment |
| Patent Number | 202011008051  |
| Status        | Published   |

## PUBLISHED/ACCEPTED SCI/SCOPUS RESEARCH PAPERS

---

1. Asish Kumar, Dharendra Pandey, Vivek Kumar Nautiyal, **Virendra Singh**, Archana Gautam; Khem Bahadur Thapa "Enhanced Absorption Properties of a Dielectric and Silver-based One- Dimensional Photonic Crystal for Potential Applications", Communicated in *The European Physical Journal - Plus (EPJ Plus)* Springer, Science Citation Index Expanded (SCIE), Impact Factor 3.758
2. P. Vamsi Priyadarshini, Nilesh Dubey, **Virendra Singh**, Rajesh Kumar Maurya, Syam Machinathu Parambil Gangadharan, Sarvesh Kumar "Authenticated Key Exchange Protocol Security of Cloud Services Management Using Machine Learning " (Accepted in Journal: ***Journal of Discrete Mathematics Science and Cryptography, Taylor & Francis***)

## PAPER PUBLISHED IN INTERNATIONAL CONFERENCES

---

1. **Virendra Singh**, Poster Presentation on "A Model to Improve E-Governance Information Gathering Procedure", in the International Conference on Emerging Trends in Information Technology (ICETIT-2015), 23rd to 24th Mar 2015.
2. K. Jaiswal, A. Dahiya, S. Saxena, **Virendra Singh**, A. Singh and A. Kushwaha, "A Novel Computation Offloading Under 6G LEO Satellite-UAV-based IoT," *2022 3rd International Conference on Computation, Automation and Knowledge Management (ICCAKM)*, Dubai, United Arab Emirates, 2022, pp. 1-6, doi: 10.1109/ICCAKM54721.2022.9990352.
3. R. Raffik, **Virendra Singh**, S. Kumar, J. Alanya-Beltran, P. Y. Jethabhai and R. Singh, "IOT based Electric Vehicles - Implementation," *2022 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES)*, Chennai, India, 2022, pp. 1-5, doi: 10.1109/ICSES55317.2022.9914050.

## PUBLISHED NON-SCI-SCOPUS BUT PEER REVIEWED RESEARCH PAPERS

---

1. Dharendra Pandey, Manish Joshi, Vandana Pandey, **Virendra Singh** "Analysis of Attacks on E-Gov: A Study", *Journal of the Indian Institute of Bankers*, ISSN: 0019-4921, Volume93 Issue 1, January 2022, pp 86-91

2. **Virendra Singh**, Dhirendra Pandey, Mohd Waris Khan, Kavita Sahu, "Quantitative Analysis of Requirement Elicitation Techniques through FANP: Security Perspective", International Journal of Recent Technology and Engineering, ISSN 2277-3878, Volume-8 Issue-5, January 2020, pp 3550-3558.
3. **Virendra Singh**, Dhirendra Pandey, Kavita Sahu, Mohd Waris Khan, "Optimizing the Impact of Security Attributes in Requirement Elicitation Techniques using FAHP", International Journal of Innovative Technology and Exploring Engineering, ISSN 2278- 3075 , Volume-9 Issue-4, February 2020, pp 1656-1661.
4. **Virendra Singh**, Dhirendra Pandey, Mohd Waris Khan, Mohd Faizan, Manish Joshi, "Revisiting Requirement Elicitation Process: A Security Perspective", International Research Journal of Science Engineering and Technology, ISSN 2454-3195, 2019, Vol 9 Issue 1, pp 46-54
5. **Virendra Singh**, Dhirendra Pandey, "Problems Associated with Requirement Elicitation Process: An Overview", International Journal of Advanced Research in Computer Science. 2017, Vol. 8 Issue 5, pp 2637-2639. 3p.
6. **Virendra Singh**, Shweta Sankhwar, Dhirendra Pandey, "The Role of Information Communication Technology (ICT) in Agriculture", Global Journal of Multidisciplinary Studies, 2014 ,Vol 3, Issue-4, ISSN: -2348-0459 Shweta Sankhwar, **Virendra Singh**, Dhirendra Pandey, "Requirement Engineering Paradigm", Global Journal of Multidisciplinary Studies, 2014. Vol 3, Issue 3, ISSN: - 2348-0459.
7. **Virendra Singh**, Shweta Sankhwar, Dhirendra Pandey, "A Framework for Requirement Elicitation", Global Journal of Multidisciplinary Studies, 2014, Vol 2, Issue 2, ISSN: - 2348-0459.

## BOOK CHAPTERS

---

1. Dhirendra Pandey, Manish Joshi, Vandana Pandey, **Virendra Singh** "Analysis of Attacks on E-Gov: A Study", Journal of the Indian Institute of Bankers, ISSN: 0019-4921, Volume93 Issue 1, January 2022, pp 86-91
2. **Virendra Singh**, Dhirendra Pandey, Mohd Waris Khan, Kavita Sahu, "Quantitative Analysis of Requirement Elicitation Techniques through FANP: Security Perspective", International Journal of Recent Technology and Engineering, ISSN 2277-3878, Volume-8 Issue-5, January 2020, pp 3550-3558.
3. **Virendra Singh**, Dhirendra Pandey, Kavita Sahu, Mohd Waris Khan, "Optimizing the Impact of Security Attributes in Requirement Elicitation Techniques using FAHP", International Journal of Innovative Technology and Exploring Engineering, ISSN 2278- 3075 , Volume-9 Issue-4, February 2020, pp 1656-1661.
4. **Virendra Singh**, Dhirendra Pandey, Mohd Waris Khan, Mohd Faizan, Manish Joshi, "Revisiting Requirement Elicitation Process: A Security Perspective", International Research Journal of Science Engineering and Technology, ISSN 2454-3195, 2019, Vol 9 Issue 1, pp 46-54

5. **Virendra Singh**, Dhirendra Pandey, "Problems Associated with Requirement Elicitation Process: An Overview", International Journal of Advanced Research in Computer Science. 2017, Vol. 8 Issue 5, pp 2637-2639. 3p.
  6. **Virendra Singh**, Shweta Sankhwar, Dhirendra Pandey, "The Role of Information Communication Technology (ICT) in Agriculture", Global Journal of Multidisciplinary Studies, 2014 ,Vol 3, Issue-4, ISSN: -2348-0459Shweta Sankhwar, **Virendra Singh**, Dhirendra Pandey, "Requirement Engineering Paradigm", Global Journal of Multidisciplinary Studies, 2014. Vol 3, Issue 3, ISSN: - 2348-0459.
  7. **Virendra Singh**, Shweta Sankhwar, Dhirendra Pandey, "A Framework for Requirement Elicitation", Global Journal of Multidisciplinary Studies, 2014, Vol 2, Issue 2, ISSN: - 2348-0459.
-