

CURRICULUM – VITAE

DR. MOHAMMAD ALIMUL HAQUE   

Assistant Professor

Department of Computer Science

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CAREER OBJECTIVE

Seeking an opportunity in a challenging environment where my wireless network knowledge and experience can be shared and enriched.

SUMMARY

Being software professional with a **Ph.D. (CS)**, I have +10 years of experience in the teaching software. I have strong technical exposure in Wireless Communication Networks and their Security and Privacy issues.

ACHIEVEMENT BOOK

1. Author of a book entitled “**Revolution in IoT with BlockChain Technology**” published by Lambert Academic Publishing, ISBN No: 9786203911428 September 2021.
2. Author of a book entitled “**PHP Programming and Practice**” published by Lambert Academic Publishing, ISBN No: 978-620-6-16329-9, 2023.

AWARD

1. Nominated for **Cybersecurity Award 2023**, Cybersecurity, Springer Nature.
2. International Research Awards on New Science Inventions (NESIN) 2020, Science Father, Ministry of Corporate Affairs (MCA), Govt. of India.
3. Best research paper award entitle “**Security and Privacy in Internet of Things**” 5th International Conference on “Emerging Technologies in Computer Engineering: Cognitive Computing and Intelligent IoT.”(ICETCE-2022), Rajasthan, India, **Springer** Book Series, CCIS 1591, pp. 1–15, 2022.
https://doi.org/10.1007/978-3-031-07012-9_16 (*Scopus Indexed*).

CAREER PROFILE (TEACHING EXPERIENCE)

Post : **Assistant Professor**
Specialization : **IoT, Cyber Security, Network Security, Artificial Intelligence**
Department : Department of Computer Science
Veer Kunwar Singh University, Ara, India
Period : Working from **December 2011 to till date**

Academic Counselor
Programme
Study Center Name
IASEDU/DE/06/01/70289
Period

Regional Services Division, IGNOU HQ , New Delhi-110068
MCA_NEW_REVISED and BCA
IGNOU REGIONAL CENTRE, PATNA
Working from Jan 2022 to till date.

Administrative Experience

- 1. Co-ordinator** **Sodh Ganga**, under INFLIBNET Centre,
UGC, New Delhi, India
Veer Kunwar Singh University, Ara, India
- 2. Co-ordinator** **SOAL (Swayam Online Academic Learning)**
under INFLIBNET UGC, New Delhi, India
Central Library, Veer Kunwar Singh University, Ara, India
- 3. Co-ordinator** **INFEA**, under INFLIBNET UGC, New Delhi, India
Central Library, Veer Kunwar Singh University, Ara, India
- 4. Member of organization Committee** for drafting “IT policy with regard to security policy for cyber-crime”, Veer Kunwar Singh University, Ara August 2016.

RESEARCH EXPERIENCE

- **Research Fellow** from University Grants Commission (UGC) New Delhi, India in 2012.
Project: “A detailed study on Security and Privacy aspects on Wireless Communication Network”.
- **Research Assistant** under the supervision of Prof. Mohammad Ubaidullah Bokhari, Chairman, Department of Computer Science, Aligarh Muslim University (AMU), Aligarh, India from 31-05-2015 to 30-06-2015.

ACADEMIC /PROFESSIONAL QUALIFICATION

- **Ph.D. (CS)** entitled “A detailed study on Security and Privacy aspects on Wireless Communication Networks”, Faculty of Science, Veer Kunwar Singh University, Ara, India, 2017.
- M.C.A. (Master of Computer Application) from IASE University, Rajasthan, India with 1st Class in 2008.
- BCA (Bachelor of Computer Application) from IGNOU, Patna, India with 1st Class in 2004.
- B.Sc. (Honors) in Mathematics from H. D. Jain College, Ara, India with 1st Class in 2002.

Book Chapter

1. Contributor/**co-author** of a book entitled “Machine Learning Methods for Emerging Application Development” Chapter: 7(Artificial Intelligence and COVID – 19: A practical Approach)” published by Bentham Science Book, (2022) 1: 92. <https://doi.org/10.2174/9879815079180122010010> (*Scopus Indexed*).
2. Contributor/**co-author** of a book entitled “Machine Learning Methods for Emerging Application Development” Chapter: 12(Advanced Topics in Machine Learning)” published by Bentham Science Book, (2022) 1: 197. <https://doi.org/10.2174/9879815079180122010015> (*Scopus Indexed*).
3. Contributor/**co-author** of a book entitled “IoT and Machine Learning in Agriculture” Chapter title (Internet of Things for Smart Farming)” published by NOVA Publication, 2021, DOI: <https://doi.org/10.52305/MTXX5116> (*Scopus Indexed*).
4. Contributor/**co-author** of a book entitled “Digital Transformation and Challenges to Data Security and Privacy” Chapter: 4 (A Comprehensive Study of Cyber Security Attacks, Classification, and Countermeasures in the Internet of Things)” published by IGI Global Publisher, Feb, 2021, **IGI Global**, DOI: [10.4018/978-1-7998-4201-9.ch004](https://doi.org/10.4018/978-1-7998-4201-9.ch004) (*Scopus Indexed*).
5. Contributor/**co-author** of a book entitled “Exploring the Scientific Research” Chapter – 16 (Web Content Mining: A New Approach), published by AkiNik Publication, New Delhi 110085, India (2021) ISBN: 978-93-91216-06-1.
6. Contributor/**co-author** of a book entitled “Emerging Trends in Management & Information Technology” Edition by National Press Associates, New Delhi 110017, India (2020) ISBN: 978-81-947590-5-8.

❖ PUBLICATIONS IN JOURNAL OF INTERNATIONAL/NATIONAL REPUTE

1. **Md. Alimul Haque**, Prakash, A., Islam, F., & Sonal, D. (2023). Exploring the Potential of Metaverse for Higher Education: Opportunities, Challenges, and Implications. *Metaverse Basic and Applied Research*, 2, 40. <https://doi.org/10.56294/mr202340>
2. Md. Alimul Haque, A. Prasad and S. Ahmad, "Review on Localized Demand Driven Routing (LDDR) Protocol," 2023 10th International Conference on Computing for Sustainable Global Development (INDIACom), New Delhi, India, 2023, pp. 1673-1678. (*Scopus Indexed*)
3. Md. Alimul Haque, S. Ahmad, A. E. M. Eljialy, M. Y. Uddin and D. Sonal, "Internet of Things (IoT) based Model for Water Management System," 2023 International Conference on Smart Computing and Application (ICSCA), Hail, Saudi Arabia, 2023, pp. 1-5, doi: [10.1109/ICSCA57840.2023.10087587](https://doi.org/10.1109/ICSCA57840.2023.10087587). (*Scopus Indexed*)
4. **Md. Alimul Haque**, Shameemul Haque, Sultan Ahmad, Devanshu Kumar, Farheen Islam, Kailash Kumar B. K. Mishra, “Assessing the Impact of IoT Enabled E-Learning System for Higher Education”, *SN Computer Science.*, Springer , DOI : [10.1007/s42979-023-01860-8](https://doi.org/10.1007/s42979-023-01860-8), 2023, (*Scopus Indexed*)

5. **Md. Alimul Haque**, Sultan Ahmad, Kailash Kumar and B. K. Mishra, "Cybersecurity in Universities: An Evaluation Model", SN Computer Science., Springer ,2023, (Accepted) (*Scopus Indexed*)
6. **Md. Alimul Haque**, Shameemul Haque, Moidur Rahman, Kailash Kumar and Sana Zeba, "Potential Applications of the Internet of Things in Sustainable Rural Development in India", (SUSCOM-2021), Springer Book Series AISC, DOI: [10.1007/978-981-16-4538-9_45](https://doi.org/10.1007/978-981-16-4538-9_45). (*Scopus Indexed*)
7. **Md. Alimul Haque**, Sultan Ahmad, Deepa Sonal, Shameemul Haque and Kailash Kumar, "Analytical Studies on the effectiveness of IoMT for Healthcare Systems", Iraqi Journal of Science, 2022. (Accepted) (*Scopus Indexed*).
8. **Md. Alimul Haque**, Shameemul Haque, Sana Zeba and Kailash Kumar, "Proposed Sustainable and Efficient E- Learning Internet of Things (IoT) System through Blockchain Technology", E-Learning and digital media, Sage Publisher, 2023, <https://doi.org/10.1177/20427530231156711> (*Web of Science, and Scopus Indexed*).
9. **M. A. Haque**, V. Whig, B. Othman, A. Gehlot, S. Qamar and J. Singh, "An Empirical Analysis of Artificial Intelligence (AI) as a Growth Engine for the Healthcare Sector," 2022 2nd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE), 2022, pp. 2454-2457, doi: [10.1109/ICACITE53722.2022.9823607](https://doi.org/10.1109/ICACITE53722.2022.9823607). Publisher: IEEE. (*Scopus Indexed*).
10. **Md. Alimul Haque**, Shameemul Haque, Moidur Rahman, Kailash Kumar and Sana Zeba, "Potential Applications of the Internet of Things in Sustainable Rural Development in India", (SUSCOM-2021), Springer Book Series AISC, DOI: [10.1007/978-981-16-4538-9_45](https://doi.org/10.1007/978-981-16-4538-9_45). (*Scopus Indexed*)
11. **Md. Alimul Haque**, Deepa Sonal, Shameemul Haque, Kailash Kumar and Moidur Rahman, "The Role of Internet of Things (IoT) to fight against COVID-19", (DSMLAI-2021), ACM Windhoek and SIGCHI Windhoek Chapter DOI: [10.1145/3484824.3484900](https://doi.org/10.1145/3484824.3484900) (*Scopus Indexed*)
12. **Md. Alimul Haque**, "The Impact and Challenges of Covid-19 Pandemic on E-Learning" ICETCE-2022, India, Springer Book Series, CCIS 1591, pp. 1–13, 2022. https://doi.org/10.1007/978-3-031-07012-9_47 (*Scopus Indexed*).
13. **Md. Alimul Haque**, Nourah Almrezeq, A.A. Abd El-Aziz and Shameemul Haque, "Device Access Control and Key Exchange (DACK) Protocol for Internet of Things", International Journal of Cloud Applications and Computing, Volume 12 • Issue 1, DOI: [10.4018/IJCAC.297103](https://doi.org/10.4018/IJCAC.297103), IGI Global Publisher, 2022 (*Scopus Indexed*).
14. **Md. Alimul Haque**, Deepa Sonal, Shameemul Haque, Moidur Rahman, Kailash Kumar, "Learning Management System Empowered by Machine Learning", Volume: 2393, Issue: CRSE2021, AIP Publishing (*Accepted, in Press*). (*Scopus Indexed*).
15. **Md. Alimul Haque**, Shameemul Haque, Ali J. Abboud, Deepa Sonal, Senapathy Marisennayya and Moidur Rahman, "6G Wireless Communication Networks: Challenges and Potential Solution" International Journal of Business Data Communications and Networking (IJBDCN), IGI Global Publisher, 2022 (Communicated) (*Web of Science, and Scopus Indexed*).
16. **Md. Alimul Haque**, Shameemul Haque, Sana Zeba, Kailash Kumar, Mudassir Peeran Ali Basha, "An IoT model for securing examinations from malpractices", Materials Today: Proceedings, Elsevier BV, February 2021 <https://doi.org/10.1016/j.matpr.2021.03.413> (*Scopus Indexed*).

17. **Md. Alimul Haque**, Deepa Sonal and D. N. Pandit, “An IoT based model to defend COVID – 19 outbreak”, *International Journal of Innovative Technology and Exploring Engineering*, ISSN: 2278-3075, Volume – 10 Issue – 7, May 2021.
18. **Md Alimul Haque**, Shameemul Haque, Kailash Kumar, Md Faizanuddin, Ejaz Shakeb, Amrendra Kumar Singh, “Blockchain Technology for IoT Security”, *Turkish Journal of Computer and Mathematics Education* Vol.12 No.7 (2021), 549-554 March 2021. (*Scopus Indexed*).
19. **Md. Alimul Haque**, Shameemul Haque, Deepa Sonal, Kailash Kumar, Ejaz Shakeb, “Security Enhancement for IoT enabled Agriculture”, *Materials Today: Proceedings*, Elsevier BV, January 2021 <https://doi.org/10.1016/j.matpr.2020.12.452>. (*Scopus Indexed*).
20. **Md. Alimul Haque**, Deepa Sonal, Shameemul Haque, Mohammad Mazhar Nezami, Dr. Kailash Kumar, “An IoT-Based Model for Defending Against the Novel Coronavirus (COVID-19) Outbreak”, *Solid State Technology*, ISSN: 0038-111X, Vol. 63 No. 2 (2020), pp 592 – 600, 2020. (*Scopus Indexed*)
21. **Md. Alimul Haque** , A.K.Sinha, Nidhi Raj, and N.K.Singh, “ Wi-Fi adoption and security survey, *Journal of Electrical and Electronics Engineering*, Vol.12, Issue 4 Ver.1(Jul-Aug.2017), pp67-74, DOI: [10.9790/1676-1204016774](https://doi.org/10.9790/1676-1204016774).
22. **Md. Alimul Haque**, A.K.Sinha, Shameemul Haque and N.K.Singh, “Web Content Mining: Tool, Technique & Concept”, *International Journal of Computer Engineering*, Vol.18, Issue 6, pp57-60, Nov- Dec2016, DOI: [10.9790/0661-1806065760](https://doi.org/10.9790/0661-1806065760).
23. **Md. Alimul Haque**, A.K.Sinha, Nidhi Raj, and N.K.Singh, “Future of Wireless Communication Network Technologies: Wi-Fi Vs. Gi-Fi Vs Super Wi-Fi”, *International Journal of Research in Engineering and Advanced Technology*, Vol.4, Issue 1, pp 58-68, Feb-March,2016.
24. **Alimul Haque**, A. K. Sinha, K.M.Singh and N.K.Sing, “Security issues of Wireless Communication Networks”, *International Journal of Electronics Communication and Computer Engineering* Volume 5, Issue 5, pp2278–4209, 2014.
25. **M.A.Haque**, Pritam Kumar and N.K.Singh, “A review on comparative study of Wireless Networks: WiMAX Vs Wi-Fi”, *Journal of Environmental Science, Computer Science and Engineering & Technology*, Vol.2, No.3, pp 634-660, June-August 2013.
26. **Md. Alimul Haqu**, Md. Faizanuddin and N.K.Singh, “A Study of Cognitive Wireless Sensor Networks: Taxonomy of Attacks and Countermeasures”, *World Applied Programming*, Vol (2), Issue (11), November 2012. 477-484 ISSN: 2222-2510, December 2012. (*UGC Indexed*)
27. **Md. Alimul Haqu**, Pritam Kumar and Amrendra Sakarwar, “IEEE 802.11ac: 5th Generation Wi-Fi Networking”, *World Applied Programming*, Vol(2), No (4), pp235-241, April 2012. (*UGC Indexed*)
28. **Md. Alimul Haque** and N.K.Singh, “An Overview of WiMAX Security Vulnerability and Countermeasures”, *Journal of Current Engineering Research*, Vol.2, Issue.2, March-April2012.

29. **Md. Alimul Haque**, Yashi Amola and N.K.Singh, "Threat Analysis and Guidelines for Secure Wi-Fi and WiMAX Network", World Applied Programming, Vol(2), No(2), pp110-115,February2012. (**UGC Indexed**)
30. **Md. Alimul Haque**, Yashi Amola and N.K.Singh, "Performance of WiMAX over Wi-Fi with reliable QoS over wireless communication network", World Applied Programming, Vol(1), No(5), pp322-329,December 2011. (**UGC Indexed**)
31. **Md. Alimul Haque**, "On Security in Bluetooth Wireless Technology", International Journal of Advance Research in Computer Science, Vol 2, No.5, Sept-Oct 2011, ISSN No: 0976-5697.
32. **Md Alimul Haque**, "A Brief Study on Cloud Computing", Anushandhan Research Journal of Science, India, Vol.XIII,No.26, pp91-97, June 2011.

❖ **INTERNATIONAL AND NATIONAL CONFERENCES/ SEMINARS/ SYMPOSIUM**

1. **Md. Alimul Haque** and N.K.Singh, "WiMAX The Future of Wireless Network" 82st Annual Session of The National Academy of Sciences, India, November, 2012, at BHU, Varanashi.
2. **Md.Alimul Haque**, " Role of Nanotechnology in Computer Science", International Conference on Nonmaterial & Nanotechnology, held at University of Delhi, India on 18-21 December 2011.
3. **M.A.Haque**, Anil Kumar Sinha and N.K.Singh," Data Mining and Knowledge Discovery", Indian Science Congress.2013.
4. **M.A.Haque** and N.K.Singh, "An overview of Cryptography: Importance and Future Prospects", National Academy of Sciences, India, Goa University, Goa 5 -7 December 2013.
5. **Md. Alimul Haque**, "A survey: Security and Privacy issues of Wireless Communication Network", National Multi Conference, Dept. of Engineering Physics, L.N.College of Technology, Indore, on 29th November 2014.
6. **Md. Alimul Haque**, Shameemul Haque & N.K.Singh, "Comparison of Security in Wireless Communication Network with a Focus on Wi-Fi and WiMAX", National Academy of Sciences, India, 84th Annual Session at Jai Narain Vyas University, Jodhpur 4-6 December 2014.
7. **Md. Alimul Haque**, N.K.Singh & Md.Faizanuddin, "Impact of Nonomaterial and Nanotechnology on Modern Computer", **EMSI** conference at University of Delhi , Delhi, 2014.
8. **Md.Alimul Haque**, A. K. Sinha, Nidhi Raj, and N.K.Singh, "Future of Wireless Communication Network Technologies: Wi-Fi Vs. GiFi Vs Super Wi-Fi", Indian Science Congress, at Mysore University, Mysore, 2015.
9. **Md. Alimul Haque** & N.K.Singh, "Security Threats in Wireless Communication Networks", Indian Science Congress, Patna Chapter, Patna,2016.
10. **Md. Alimul Haque** & N.K.Singh, "Future Wireless Communication Network: Li-Fi", Indian Science Congress, Patna Chapter, G.D.M.College, Patna, 2016.
11. **Md. Alimul Haque**, "Nanotechnology in Computational Engineering: Issues, Applications and Future Possibilities", National Seminar on "Nanomaterilas &

their Eco-Friendly Applications”, Department of Physics, V.K.S.University, Ara(Bihar), 30 May 2017.

12. **Md. Alimul Haque**, M.U.Bokhari and N.K.Singh, “Comparative study on Wireless threats and their Classification”, International Journal of information Technology, Springer, June 2020(SubMITTED).
13. **Md. Alimul Haque**, “The impact of Big Data on global warming and prevention through Green Computing”, International Seminar on “Green Chemistry: Synthesis, Processing & Device”, Department of Chemistry, V.K.S.University, Ara(Bihar), 06-07 April 2018.
14. **Md. Alimul Haque**, “A study on Cyber Security challenges in the current scenario”, National Seminar on “IoT and Cyber Security: A Road Map to Digital India”, Department of Computer Science, V.K.S.University, Ara(Bihar), 15 September 2018.
15. **Md. Alimul Haque** and N.K.Singh, “AI techniques for security awareness in wireless communication Networks”, ICAR – NAARM 89th Annual session of NASI and Symposium 21-23 December 2019.
16. **Md. Alimul Haque** “Comparative Study on OSNs Threats and Their Classification”, 107th ISC – 2020 at UAS, Bangalore 03-07 January, 2020.
17. **Md. Alimul Haque**, Shameemul Haque and Afifa Bano, “ The emergence of E-Learning as a boon in the Pandemic 2020”,INDIACom-2021; IEEE Conference ID: 51348 2021 8th International Conference on “Computing for Sustainable Global Development”, 17th - 19th March, 2021 (BVICAM), New Delhi (INDIA)

PROFESSIONAL ACTIVITIES:

REVIEWER: INTERNATIONAL JOURNAL OF SYSTEM ASSURANCE ENGINEERING AND MANAGEMENT, **SPRINGER NATURE.**

Panel of Reviewers in the area of Data Communication, Networking & Machine Learning for our 5th International Conference with Springer CCIS on May 09, 2020 at India International Centre, New Delhi, India.

Organizing Secretary for conducting seminar on “IoT and Cyber Security: A road map to Digital India (ICSRDI – 2018) 15th September 2018.

Member of organization Committee for conducting “National Seminar on Science and Technology an Indigenous Development in India, ISCA, Patna Chapter, Patna 2016.

Programming Committee Member for conducting “IEEE International Conference on Computer and Computational Sciences (ICCCS-2015), held at I.T.S Engineering College, Greater Noida, from 27th to 29th January ‘2015.

Programming Committee Member for conducting “5th International Conference on Computer Communication Technology (ICCCT-2014)”, Department of Computer Science and Engineering, MNIT, Allahabad, 2014.

INVITED TALKS:

1. **Invited Talk** at: 107th ISC – 2020 at UAS, Bangalore during 03-07 January, 2020 on “Comparative Study on OSNs Threats and Their Classification”.
2. **Invited Talk** at: Department of Computer Application, Maharaja College, Ara on 2 August 2019 on “Cryptography”.
3. **Invited Talk** at: National seminar CSI Patna Chapter, IIBM Patna on 24th November 2018 on “Big Data Analytics and Business Intelligent”.
4. **Invited Talk** at: Department of Computer Science, Aligarh Muslim University (AMU), Aligarh on 19 September 2017 on “Wi-Fi adoption and security analysis”.


SUMMER INSTITUTE/ WORKSHOP ATTENDED ON THE TOPICS:

1. Workshop on “**PYTHON 3**” organized by University Department of Mathematics, T.M.B. University, Bhagalpur, India from June 08 – 13 2020.
2. Workshop on “**La TeX & Xfig**” organized by A.N.College, Patna with IIT Bombay, India from May 11 – 17 2020.
3. Workshop on “**IP Networking**” organized by NITTTR, Kolkata, India from June 10-21, 2019
4. Winter School on “**Artificial Intelligence (AI)**” organized by IIIT, Delhi from Jan 18-21, 2019.
5. Workshop on “**Networking Principles Management and Administration**” organized by NITTTR, Kolkata, India from June 18-29, 2018.
6. Short term course on “**Oracle- Java Fundamentals and Programming**”, organized by Oracle Academy at NITTTR Chandigarh, 22-26 May 2017.
7. Workshop on “**Database Design and Practice**” organized by NITTTR, Kolkata, India from May 23-27, 2016.
8. UGC sponsored Workshop on “**Research Methodology**” organized by HRDC, Guru Nanak Dev University, Amritsar, India from Oct 15-21, 2015.
9. National Instructional Workshop on “**Cryptology**” (NIWC-2015) organized by Department of Mathematics & Statistic, H.P. University, Summer Hill, Shimla, India from May 18-22,2015.
10. National Workshop on “**Cryptology**” organized by IIIT Jabalpur, India from September 25-27,2014.

11. Workshop on “**Computational Intelligence**” organized by Department of Computer Science & Engineering, KIIT University, Bhubneshwar, India from 24-06-2014 to 28-06-2014.
12. Workshop on “**Cryptography**” organized by Department of Computer Science & Engineering, I.I.T, Patna, India from 06-04-2013 to 07-04-2013.
13. Workshop on “**Library Automation**” held at INFLIBNET Centre, Ahmedabad from 19th & 20th July, 2012.

AFFILIATIONS AND PROFESSIONAL ACTIVITIES

1. Member of International Association of Engineers (IAENG) (Membership No -276309)
2. Member of “Indian Science congress Association”, Kolkata-700017, India
3. Member of “The National Academy of Sciences, Allahabad, India.
4. Member of “Computer Society of India” (CSI) India.



(Md. Alimul Haque)